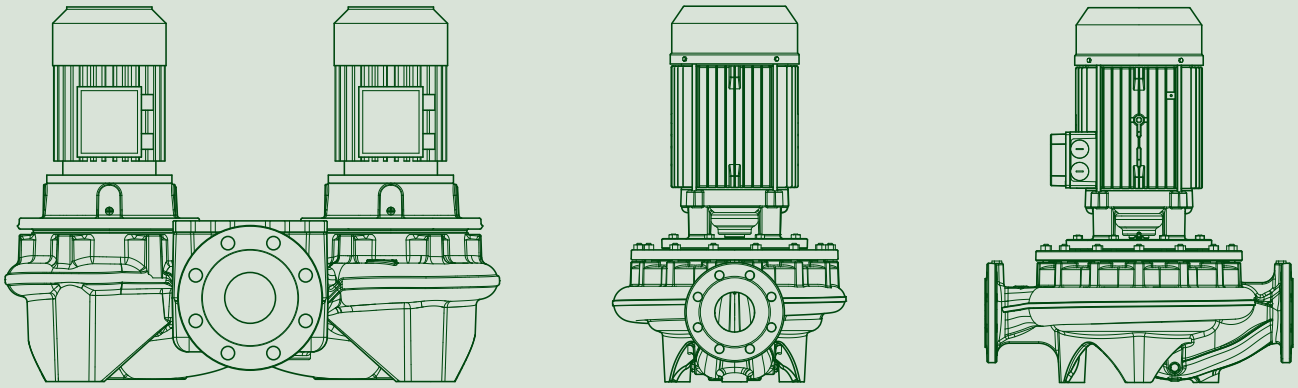
DAB
WATER • TECHNOLOGY

IN-LINE PUMPS



TECHNICAL CATALOGUE

CERTIFICATIONS

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and its partner
CISQ/IMQ-CSQ
hereby certify that the organization

DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)
BRENDOLA (VI) - CASTELLO DI GODEGO (TV) - BIENTINA (PI) -
SAN GERMANO DEI BERICI (VI) - PRC CHINA - HUNGARY

for the following field of activities

Design, production, sale and assistance of components and electronic controls for pumps, electropumps, and pump sets for cold and hot water for civil, industrial and agricultural use

Refer to quality manual for details of applications to ISO 9001:2008 requirements

has implemented and maintains a
Quality Management System
which fulfills the requirements of the following standard

ISO 9001:2008

Issued on: 2015 - 05 - 28 Expiry date: 2018 - 05 - 27

Registration Number: IT – 824

The status of validity of the certificate can be verified at http://www.cisq.com or by e-mail to fedcisq@cisq.com

Michael Drechsel
President of IQNET

CISQ
Ing. Claudio Provetti
President of CISQ

IQNet Partners*:
AENOR *Spain* AFNOR Certification *France* AIB-Vinçotte International *Belgium* ANCE-SIGE *Mexico* APCER *Portugal* CCC *Cyprus* CISQ *Italy* CQC *China* CQM *China* CQS *Czech Republic* Cro Cert *Croatia* DQS Holding GmbH *Germany* FCAV *Brazil* FONDONORMA *Venezuela* ICONTEC *Colombia* IMNC *Mexico* Inspecta Certification *Finland* IRAM *Argentina* JQA *Japan* KFQ *Korea* MIRTEC *Greece* MSZT *Hungary* Nemko AS *Norway* NSAI *Ireland* PCBC *Poland* Quality Austria Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS *Switzerland* SRAC *Romania* TEST St Petersburg *Russia* TSE *Turkey* YUQS *Serbia*
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.
* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

All. 1 di 1
Ann. 1 of 1

CSQ
www.imq.it

CISQ is a member of IQNet
www.iqnet-certification.com

IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world. IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

ALLEGATO CERTIFICATO n. 9101.COGE
ANNEX CERTIFICATE

(*) Unità Operative:
(*) Operative Units:

DAB PUMPS SPA
VIA BONANNO PISANO 1 - 56031 BIENTINA (PI)

DAB PUMPS SPA
VIA DEL LAVORO 3 - 36040 SAN GERMANO DEI BERICI (VI)

DAB PUMPS QINGDAO CO. LTD
40 KAITUO ROAD, QINGDAO DEVELOPMENT ZONE - SHANGDONG PROVINCE, PRC CHINA

DAB PUMPS HUNGARY KFT
BUDA ERNO H - 8800 NAGYKANISZA HUNGARY

DATE:	PRIMA CERTIFICAZIONE *FIRST CERTIFICATION*	EMISSIONE CORRENTE *CURRENT ISSUE*	SCADENZA *EXPIRY*
	1995-07-17	2015-05-28	2018-05-27

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO

CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.
CISQ is the Italian Federation of management system Certification Bodies.

ACCREDIA
IAF: 18, 19, 29

La validità del certificato è subordinata a sorveglianza annuale e esame completo del Sistema di Gestione con periodicità triennale
The validity of the certificate is subordinated to annual audit and a reassessment of the entire Management System within three years

FEDERAZIONE CISQ
www.cisq.com

CSQ
www.imq.it

CISQ is a member of IQNet
www.iqnet-certification.com

IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world. IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

CERTIFICATO N. 9101.COGE
CERTIFICATE N. 9101.COGE

SI CERTIFICA CHE IL SISTEMA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY
DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)

UNITA' OPERATIVE
OPERATIVE UNITS
DAB PUMPS SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)
DAB PUMPS SPA
VIA EINAUDI 2 - 36040 BRENDOLA (VI)
DAB PUMPS SPA
VIA E. FERMI 6-8-10 - 31030 CASTELLO DI GODEGO (TV)

Vedere gli Allegati per le altre Unità Operative (n° 1 pagina)
View the Annexes for the other Operative Units (n° 1 page)

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD
ISO 9001:2008

PER LE SEGUENTI ATTIVITA'
FOR THE FOLLOWING ACTIVITIES

Progettazione, produzione, commercializzazione e assistenza di componenti e controlli elettronici per pompe, elettropompe e gruppi di pompaggio per acqua fredda e calda ad uso civile, industriale ed agricolo
Design, production, sale and assistance of components and electronic controls for pumps, electropumps, and pump sets for cold and hot water for civil, industrial and agricultural use

Riferirsi al manuale della qualità per l'applicabilità dei requisiti della norma ISO 9001:2008
Refer to quality manual for details of applications to ISO 9001:2008 requirements

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS

DATE:	PRIMA CERTIFICAZIONE *FIRST CERTIFICATION*	EMISSIONE CORRENTE *CURRENT ISSUE*	SCADENZA *EXPIRY*
	1995-07-17	2015-05-28	2018-05-27

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO

CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.
CISQ is the Italian Federation of management system Certification Bodies.

ACCREDIA
IAF: 18, 19, 29

La validità del certificato è subordinata a sorveglianza annuale e esame completo del Sistema di Gestione con periodicità triennale
The validity of the certificate is subordinated to annual audit and a reassessment of the entire Management System within three years

FEDERAZIONE CISQ
www.cisq.com

CONTENTS

ELECTRIC IN-LINE PUMPS

HYDRAULIC EFFICIENCY

ACCESSORIES

ALM / ALP

ELECTRIC IN-LINE PUMPS

TECHNICAL DATA

Operating range:
from 0,6 to 8,4 m^3/h with head up to 21 metres.
Pumped liquid: clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water. Maximum, glycol content 30% (for other glycol percentages contact Technical Support).
Pumped liquid temperature range: from -15 °C to +120 °C.
Maximum ambient temperature: +40 °C.
Maximum operating pressure: 10 bar (1000 kPa).
Unions on request: see the final ACCESSORIES table.
Special executions on requests: alternative voltages and frequencies.

APPLICATIONS

Hot or cold water circulation pump with in-line ports, suitable for installation directly on the pipework of civil and industrial heating, air conditioning, refrigeration, and sanitary water systems.

CONSTRUCTION FEATURES OF THE PUMP

Cast iron pump body and motor support for ALM 500 and ALP 2000, bronze for ALM 200 and ALP 800.
1" 1/2 M-GAS suction and delivery ports for ALM 200 and ALP 800, and 2" M-GAS for ALM 500 and ALP 2000. Technopolymer impeller. Carbon/ceramic mechanical seal.

CONSTRUCTION FEATURES OF THE MOTOR

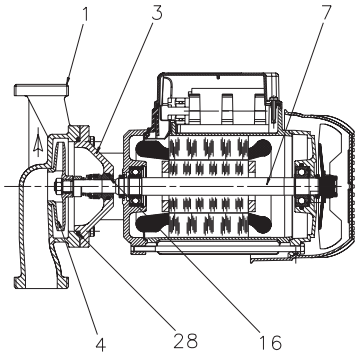
External ventilation cooling, closed, asynchronous type, with four poles for the ALM version, and two poles for the ALP version.
Rotor running on permanently lubricated ball bearings, oversized to ensure low noise and durability.
Standard built-in thermo-amperometric protection. Capacitor permanently fitted on single phase versions.
For the protection of the three-phase motor, we recommend the use of remote overload cut-outs, in compliance with current local regulations.
Construction according to CEI 2-3.
Protection class: IP 55
Insulation class: F

Standard voltage:	single-phase	220-240 V, 50 Hz.
	three-phase	230/400 V, 50 Hz

MATERIALS

N.	PARTS*	MATERIALS	MODELS
1	PUMP BODY	BRONZE G Cu Sn5 Zn5 Pb5 UNI 7013/8ª-72	ALM 200 - ALP 800
		CAST IRON 250 UNI ISO 185	ALM 500 - ALP 2000
3	SUPPORT	BRONZE G Cu Sn5 Zn5 Pb5 UNI 7013/8ª-72	ALM 200 - ALP 800
		CAST IRON 250 UNI ISO 185	ALM 500 - ALP 2000
4	IMPELLER	TECHNOPOLYMER	
7	SHAFT WITH ROTOR	AISI 303 STAINLESS STEEL X10 CrNiS 1809 UNI 6900/71	
16	MECHANICAL SEAL	CARBON / CERAMIC	
28	OR RING	EPDM RUBBER	

* In contact with the liquid



ALM / ALP

ELECTRIC IN-LINE PUMPS

– Denomination index:
(example)

AL P 2000 M

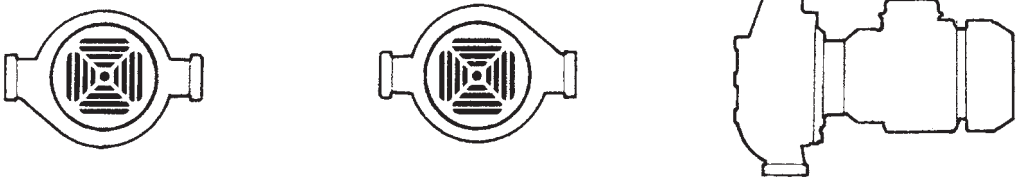
Series

M = 4-pole motor
P = 2-pole motor

Maximum head (cm)

M = single-phase motor
T = three-phase motor

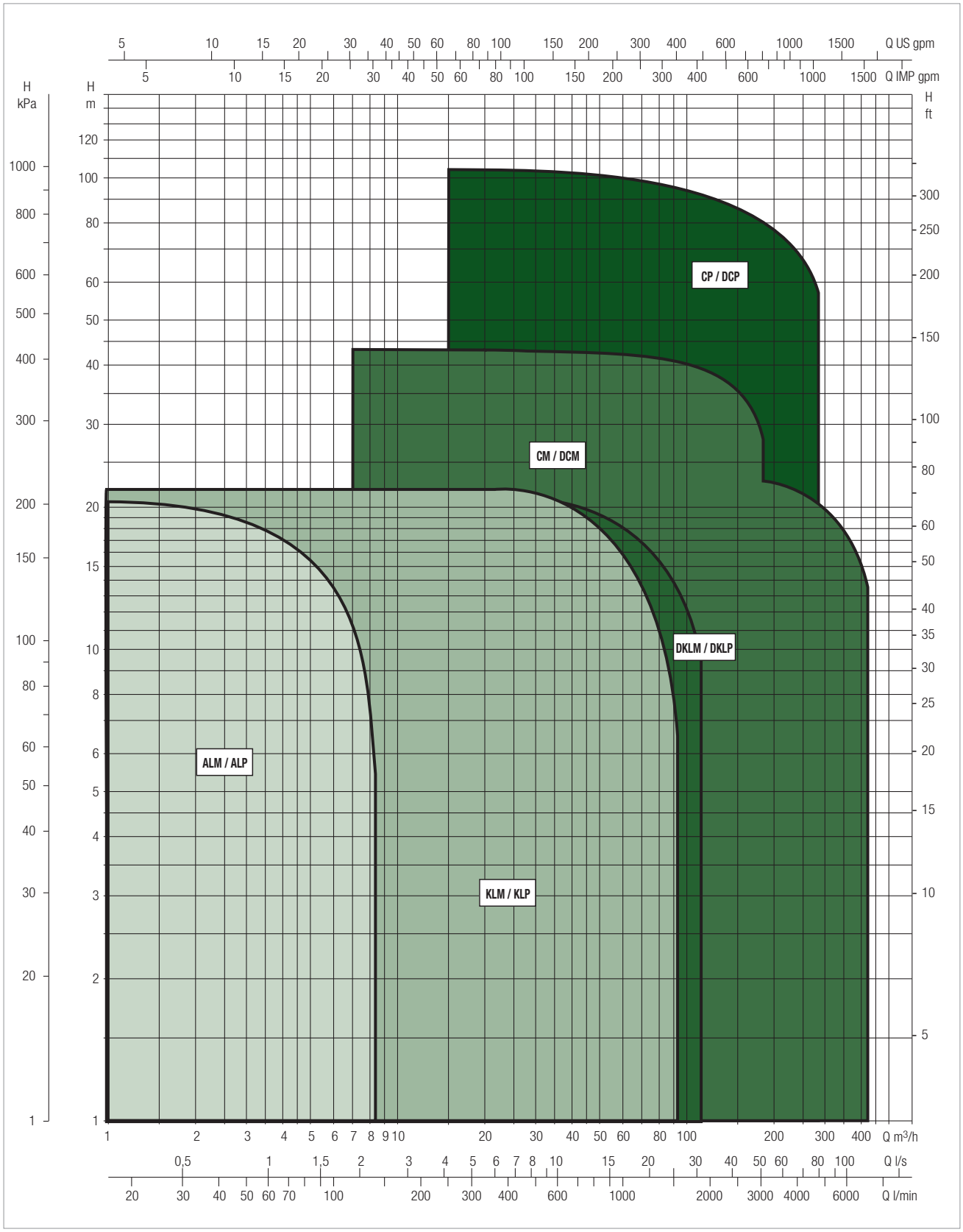
Fixed horizontal installation for ALM 200 and ALP 800; both horizontal and vertical installation for ALM 500 and ALP 2000.



PERFORMANCE RANGE

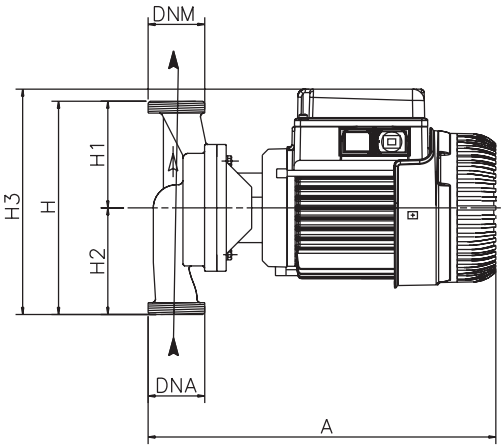
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

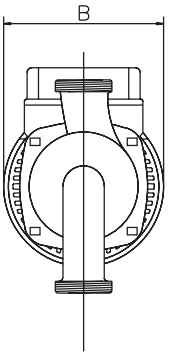
GRAPHIC SELECTION TABLE

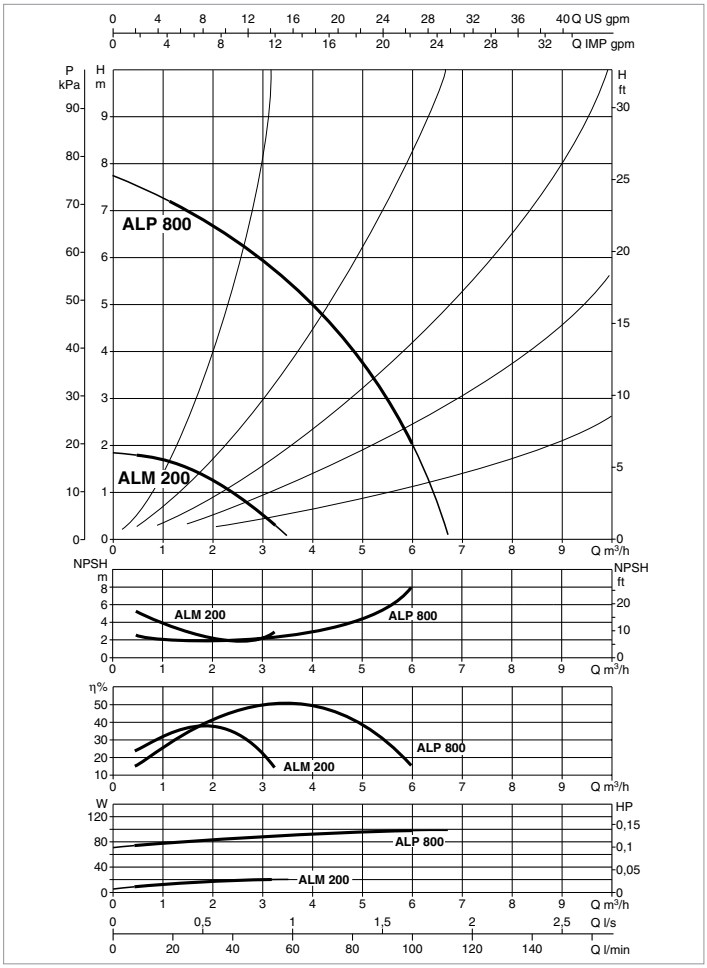


ALM 200 / ALP 800 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, THREADED

Pumped liquid temperature range: from -15 °C to +120 °C - Maximum ambient temperature: +40 °C







The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

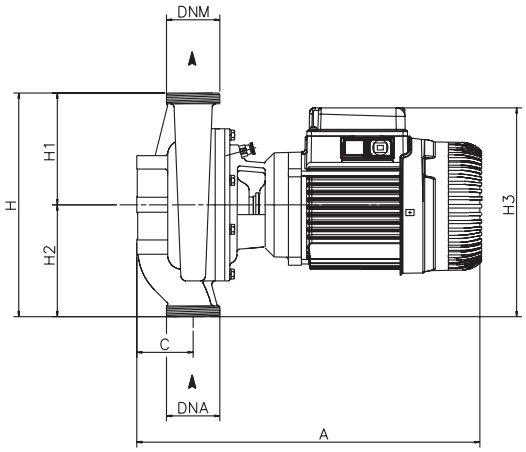
MODEL	Q=m³/h	0	1,2	2,4	3,6	4,8	6
	Q=l/min	0	20	40	60	80	100
ALM 200 M	H (m)	1,9	1,65	1			
ALM 200 T		1,9	1,65	1			
ALP 800 M		7,7	7,2	6,3	5,8	3,9	2
ALP 800 T		7,7	7,2	6,3	5,8	3,9	2

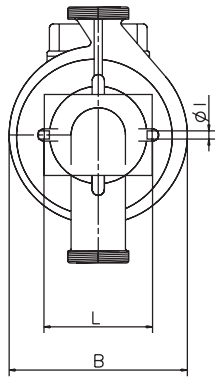
MODEL	CENTRE DISTANCE	ELECTRICAL DATA								
		POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX W	P2 NOMINAL		In A	CAPACITOR	
						kW	HP		µF	Vc
ALM 200 M	180	1x220-240 V ~	4 POLES	1480	0,14	0,059	0,08	0,7	8	450
ALM 200 T	180	3x230 V ~ 3x400 V ~	4 POLES	1475	0,08	0,059	0,08	0.53-0.3	-	-
ALP 800 M	180	1x220-240 V ~	2 POLES	2925	0,24	0,37	0,5	1,4	10	450
ALP 800 T	180	3x230 V ~ 3x400 V ~	2 POLES	2915	0,20	0,37	0,5	1.2-0.7	-	-

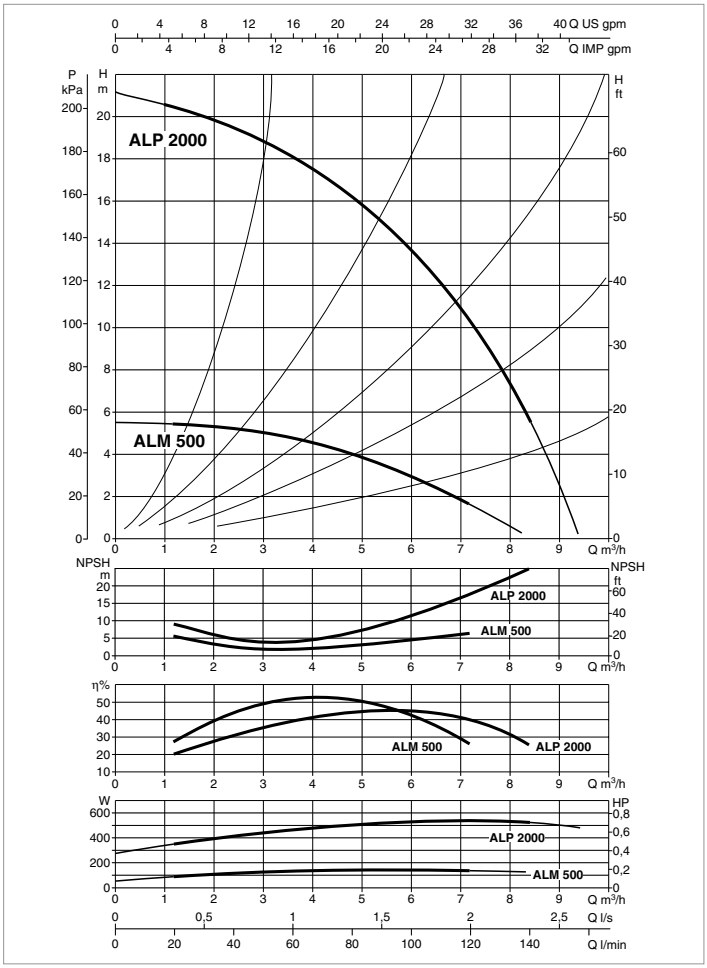
MODEL	A	B	C	L	IØ	H	H1	H2	H3	DNA NPT	DNM NPT	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg
												L/A	L/B	H		
ALM 200	300	136	–	–	–	180	90	90	190	1 1/2" G-M	1 1/2" G-M	332	202	257	0,017	7,5
ALP 800	300	136	–	–	–	180	90	90	190	1 1/2" G-M	1 1/2" G-M	332	202	257	0,017	7,5

ALM 500 / ALP 2000 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, THREADED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 --°C







The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³/h	0	1,2	2,4	3,6	4,8	6	7,2	8,4
	Q=l/min	0	20	40	60	80	100	120	140
ALM 500 M	H (m)	5,5	5,4	5,3	4,8	4,1	3	1,5	
ALM 500 T		5,5	5,4	5,3	4,8	4,1	3	1,5	
ALP 2000 M		21,1	20,6	19,6	18	16	13,8	10,5	5,3
ALP 2000 T		21,1	20,6	19,6	18	16	13,8	10,5	5,3

MODEL	CENTRE DISTANCE	ELECTRICAL DATA								
		POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX W	P2 NOMINAL		In A	CAPACITOR	
						kW	HP		µF	Vc
ALM 500 M	250	1x220-240 V ~	4 POLES	1425	0,22	0,25	0,33	1	8	450
ALM 500 T	250	3x230 V ~ 3x400 V ~	4 POLES	1465	0,19	0,25	0,33	1-0.6	-	-
ALP 2000 M	250	1x220-240 V ~	2 POLES	2870	0,75	0,55	0,75	3,7	16	450
ALP 2000 T	250	3x230 V ~ 3x400 V ~	2 POLES	2830	0,66	0,55	0,75	2.3-1.3	-	-

MODEL	A	B	C	L	IØ	H	H1	H2	H3	DNA NPT	DNM NPT	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg
												L/A	L/B	H		
ALM 500	386	174	63	95	8	250	125	125	235	2" G-M	2" G-M	492	232	292	0,033	14,5
ALP 2000	386	174	63	95	8	250	125	125	235	2" G-M	2" G-M	492	232	292	0,033	14,5

KLM / KLP / DKLM / DKLP

ELECTRIC IN-LINE PUMPS

TECHNICAL DATA

Operating range:
from 2 to 92 m^3/h with head up to 67 metres.
Pumped liquid: clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water. Maximum, glycol content 30 % (for other glycol percentages contact Technical Support).
Pumped liquid temperature range: from -15 °C to +120 °C.
Maximum ambient temperature: +40°C.
Maximum operating pressure: 10 bar (1000 kPa).
Standard flanges:
DN 40, DN 50, DN 65, DN 80 - PN 6/PN 10 (4 holes).
Flanges on request: DN 80 - PN 16 (8 holes).
Counter flanges on request:
threaded DN 40, DN 50, DN 65 in PN 10.
welded DN 40, DN 50, DN 65, in PN 10/PN 16 (4 holes).
welded DN 80 in PN 10/PN 16 (8 holes)
Special executions on requests: alternative voltages and frequencies.

APPLICATIONS

Hot or cold water circulation pump with in-line ports, suitable for installation directly on the pipework of civil and industrial heating, air conditioning, refrigeration, and sanitary water systems.

CONSTRUCTION FEATURES OF THE PUMP

Pump body and motor support in cast iron.
PN 10 flanged suction and delivery ports with threaded holes for control manometers. To make replacement in existing systems easier, the pump can accept PN 6 counter flanges.
Technopolymer impeller.
Carbon/ceramic mechanical seal.
The pumps are available both in the single (KLM-KLP) and in the twin (DKLM-DKLP) versions.
For the single version a built in clapet valve in the delivery port is also included, to avoid water recirculation when the unit is idle. A blind flange is also supplied as a standard, to be used during maintenance of one of the two motors.
The twin version gives the possibility of alternating the operation of the pumps when a backup unit is required, or to have the two pumps operating simultaneously.

CONSTRUCTION FEATURES OF THE MOTOR

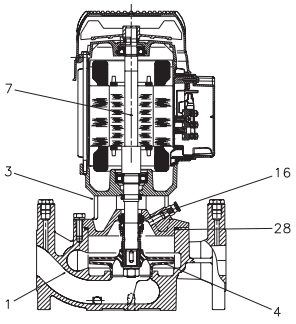
External ventilation cooling, closed, asynchronous type, with four poles for the KLM and DKLM versions, and two poles for the KLP and DKLP versions.
Rotor running on permanently lubricated ball bearings, oversized to ensure low noise and durability.
Standard built-in thermo-amperometric protection. Capacitor permanently fitted on single phase versions.
For the protection of the three-phase motor, we recommend the use of remote overload cut-outs, in compliance with current local regulations.
Construction according to CEI 2-3.
Protection class: IP 55
Insulation class: F

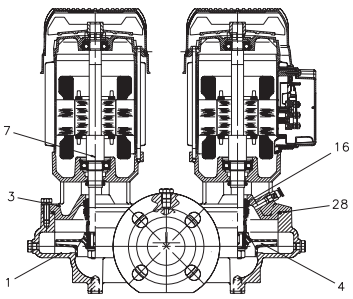
Standard voltage:	single-phase	220-240 V, 50 Hz.
	three-phase	230/400 V, 50 Hz

MATERIALS

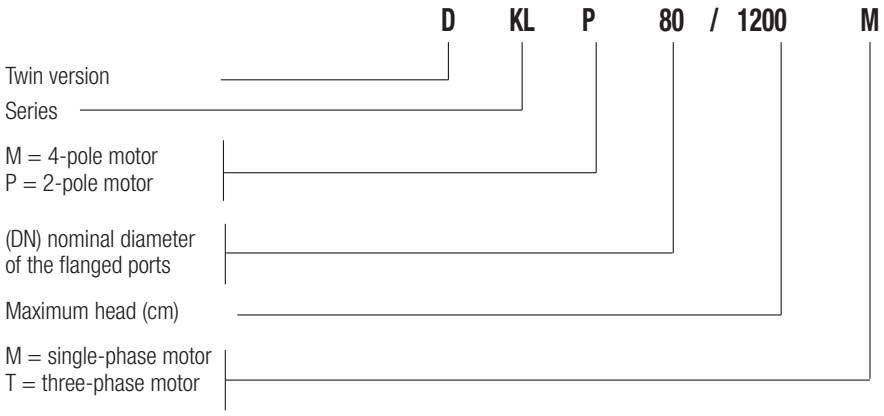
N.	PARTS*	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185
3	SUPPORT	CAST IRON 250 UNI ISO 185
4	IMPELLER	TECHNOPOLYMER B
7	SHAFT WITH ROTOR	AISI 303 STAINLESS STEEL X10 CrNiS 1809 UNI 6900/71
16	MECHANICAL SEAL	CARBON / CERAMIC
26	OR RING	EPDM RUBBER

* In contact with the liquid



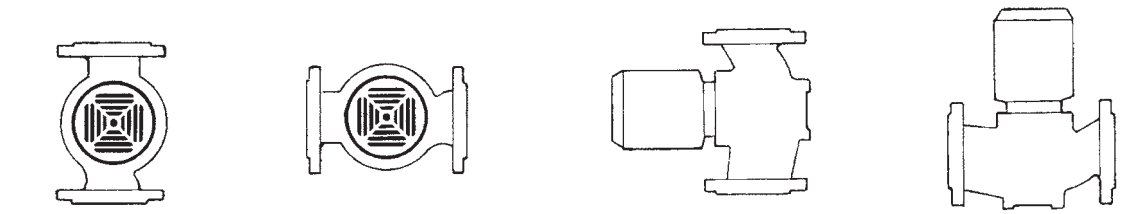


– Denomination index:
(example)

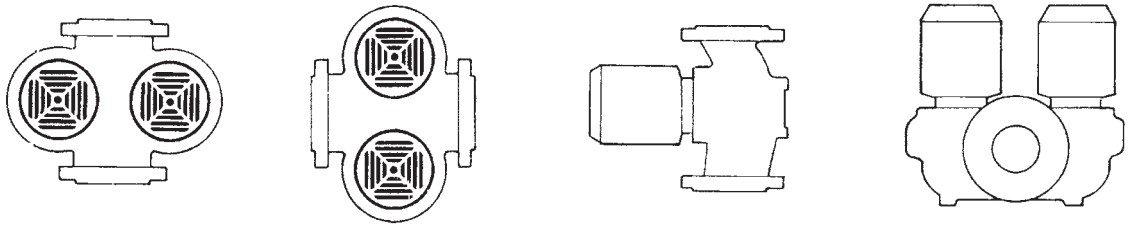


Installation: horizontal or vertical position, provided that the motor is always above the pump.

KLM / KLP



DKLM / DKLP



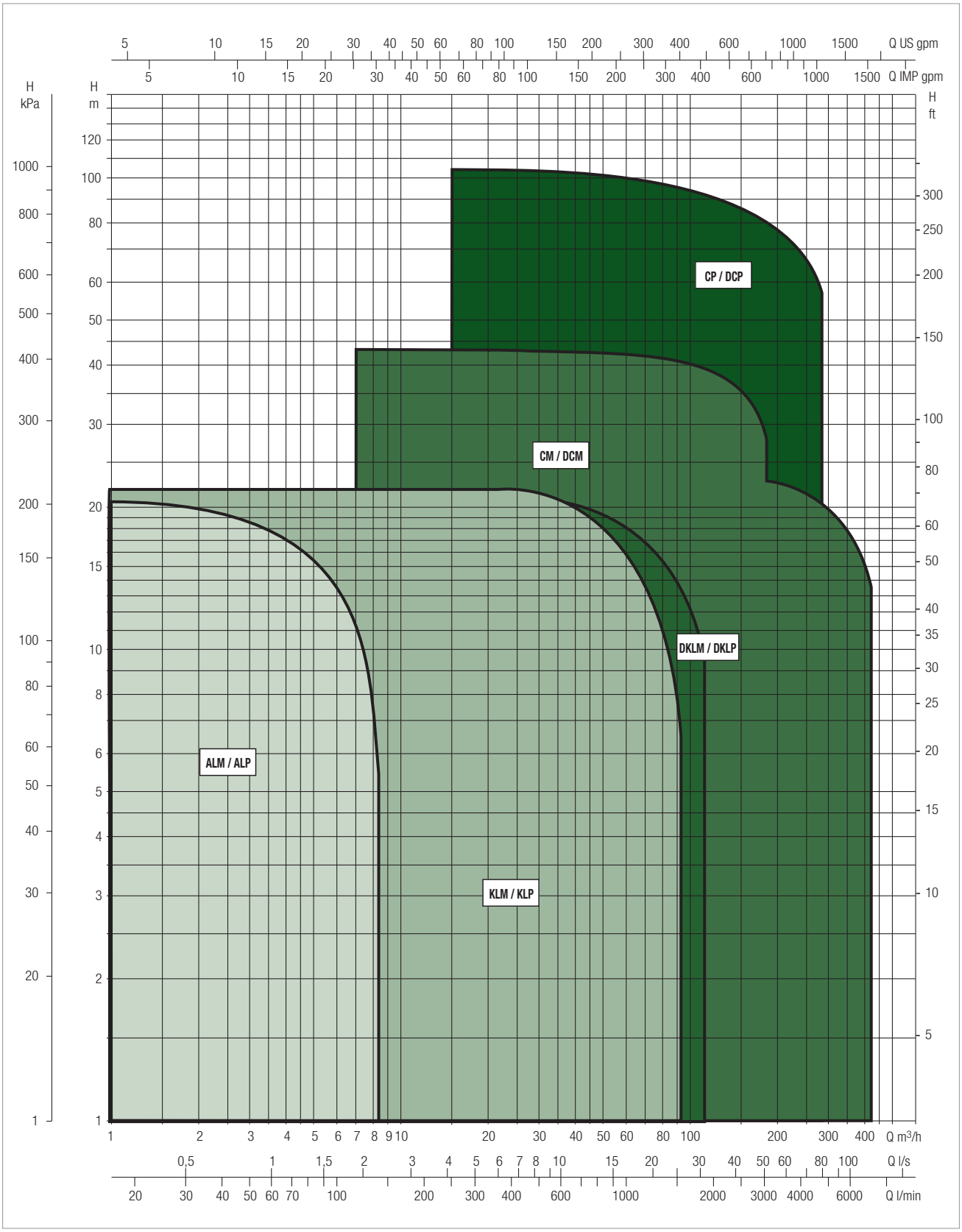
ELECTRIC IN-LINE PUMPS

IN-LINE ELECTRIC PUMPS FOR CIRCULATION SYSTEMS

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

GRAPHIC SELECTION TABLE



SELECTION TABLE - KLM / KLP

MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000
KLM 40-300 M	H (m)	3,4	3,2	3	2,6	2,3	1,7											
KLM 40-300 T		3,4	3,2	3	2,6	2,3	1,7											
KLP 40-600 M		8,2			7,8	7,4	6,9	6,3	5,7	4								
KLP 40-600 T		8,2			7,8	7,4	6,9	6,3	5,7	4								
KLP 40-900 M		10,2			9,8	9,4	8,8	8,2	7,4	5,6								
KLP 40-900 T		10,2			9,8	9,4	8,8	8,2	7,4	5,6								
KLP 40-1200 M		13,7			13,2	12,6	11,9	11,2	10,4	8,4	5,9							
KLP 40-1200 T		13,7			13,2	12,6	11,9	11,2	10,4	8,4	5,9							
KLP 40-1600 M		16,5	16,0	15,7	15,5	15,1	14,8	14,4	13,9	12,7	11,1	9,2	8,0					
KLP 40-1600 T		16,5	16,0	15,7	15,5	15,1	14,8	14,4	13,9	12,7	11,1	9,2	8,0					
KLP 40-1800 T		18,9	18,4	18,1	17,8	17,4	17,0	16,5	16,0	14,6	13,0	11,0	9,9	2,7				
KLP 40-1800 M		18,9	18,4	18,1	17,8	17,4	17,0	16,5	16,0	14,6	13,0	11,0	9,9	2,7				

MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000
KLM 50-300 M	H (m)	2,9			2,8	2,7	2,6	2,5	2,3	1,8	1,3							
KLM 50-300 T		2,9			2,8	2,7	2,6	2,5	2,3	1,8	1,3							
KLM 50-600 M		5,4			5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
KLM 50-600 T		5,4			5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
KLP 50-900 M		8,9				8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
KLP 50-900 T		8,9				8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
KLP 50-1200 M		12				12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
KLP 50-1200 T		12				12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
KLP 50-1600 M		16,2	16,1	16,0	15,8	15,7	15,5	15,3	15,1	14,5	13,9	13,1	12,7	10	7,04	3,93		
KLP 50-1600 T		16,2	16,1	16,0	15,8	15,7	15,5	15,3	15,1	14,5	13,9	13,1	12,7	10	7,04	3,93		
KLP 50-2000 M		23,4	23,3	23,3	23,2	23,2	23,1	22,9	22,8	22,4	21,8	21,0	20,6	18,2	15,2	12		
KLP 50-2000 T		23,4	23,3	23,3	23,2	23,2	23,1	22,9	22,8	22,4	21,8	21,0	20,6	18,2	15,2	12		

MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000
KLM 65-300 T	H (m)	3,1				3	2,9	2,8	2,7	2,6	2,4	2	1,8					
KLM 65-600 T		5,5						5,3	5	4,7	4,6	4	3,8	2,5				
KLP 65-900 T		9							8,8	8,6	8,5	8,1	8	7	5,5	3,5		
KLP 65-1200 T		12								11,6	11,4	11,2	11	10	8,8	6,7		
KLP 65-1600 T		17,2	17,1	17,1	17,1	17,2	17,2	17,2	17,2	17,2	17,2	17,0	16,9	15,8	14,1	11,9	6,41	
KLP 65-2000 T		20,6	20,6	20,7	20,7	20,7	20,7	20,7	20,7	20,6	20,4	20,1	19,9	18,8	17,2	15,1	9,61	

MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72	84
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	1200	1400
KLM 80-300 T	H (m)	3,3								3,2	3,1	3	2,9	2,7	2	1,2				
KLM 80-600 T		5,7									5,8	5,8	5,7	5,5	5	4,3	2,5			
KLP 80-900 T		8,8									8,7	8,6	8,5	8,4	8	7,7	6			
KLP 80-1200 T		11,8												11,6	11,5	11	9,7	7,2		
KLP 80-1600 T		16,2	16,3	16,3	16,3	16,4	16,4	16,4	16,5	16,5	16,5	16,5	16,5	16,3	15,9	15,4	13,9	11,7	8,7	5,3
KLP 80-2000 T		20,7	20,9	20,9	21,0	21	21,1	21,2	21,2	21,3	21,3	21,3	21,3	21,2	21	20,6	19,4	17,5	14,9	11,4

SELECTION TABLE - DKLM / DKLP

MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000
DKLM 40-300 M	H (m)	3,4	3,2	3	2,6	2,3	1,7											
DKLM 40-300 T		3,4	3,2	3	2,6	2,3	1,7											
DKLP 40-600 M		8,2			7,8	7,4	6,9	6,3	5,7	4								
DKLP 40-600 T		8,2			7,8	7,4	6,9	6,3	5,7	4								
DKLP 40-900 M		10,2			9,8	9,4	8,8	8,2	7,4	5,6								
DKLP 40-900 T		10,2			9,8	9,4	8,8	8,2	7,4	5,6								
DKLP 40-1200 M		13,7			13,2	12,6	11,9	11,2	10,4	8,4	5,9							
DKLP 40-1200 T		13,7			13,2	12,6	11,9	11,2	10,4	8,4	5,9							
DKLP 40-1600 M		16,7	16,3	16,2	16,0	15,9	15,7	15,5	15,2	14,7	14,0	13,2	12,8	10,1	6,6			
DKLP 40-1600 T		16,7	16,3	16,2	16,0	15,9	15,7	15,5	15,2	14,7	14,0	13,2	12,8	10,1	6,6			
DKLP 40-1800 M		19,2	19,1	18,9	18,7	18,4	18,2	17,9	17,6	16,9	16,2	15,5	15,1	12,4	8,7	4,9		
DKLP 40-1800 T		19,2	19,1	18,9	18,7	18,4	18,2	17,9	17,6	16,9	16,2	15,5	15,1	12,4	8,7	4,9		

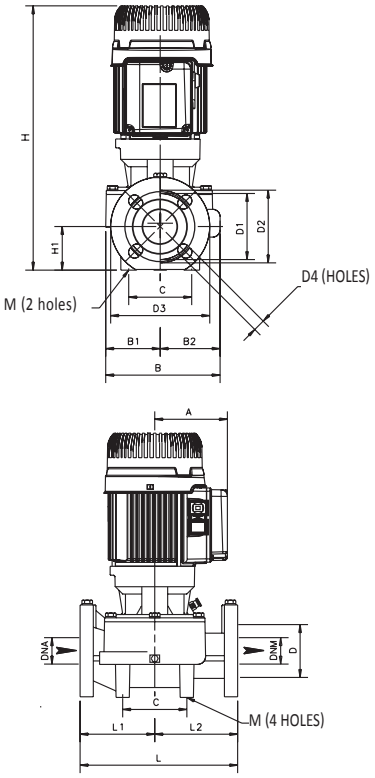
MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000
DKLM 50-300 M	H (m)	2,9			2,8	2,7	2,6	2,5	2,3	1,8	1,3							
DKLM 50-300 T		2,9			2,8	2,7	2,6	2,5	2,3	1,8	1,3							
DKLM 50-600 M		5,4			5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
DKLM 50-600 T		5,4			5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
DKLP 50-900 M		8,9				8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
DKLP 50-900 T		8,9				8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
DKLP 50-1200 M		12				12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
DKLP 50-1200 T		12				12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
DKLP 50-1600 M		16,6	16,5	16,4	16,3	16,2	16,1	16,0	15,8	15,6	15,2	14,9	14,7	13,6	12,1	10,1	5,6	
DKLP 50-1600 T		16,6	16,5	16,4	16,3	16,2	16,1	16,0	15,8	15,6	15,2	14,9	14,7	13,6	12,1	10,1	5,6	
DKLP 50-2000 M		23,6	23,5	23,4	23,4	23,3	23,2	23,1	23,0	22,8	22,6	22,3	22,1	21,1	19,8	18,2	13,6	8,0
DKLP 50-2000 T		23,6	23,5	23,4	23,4	23,3	23,2	23,1	23,0	22,8	22,6	22,3	22,1	21,1	19,8	18,2	13,6	8,0

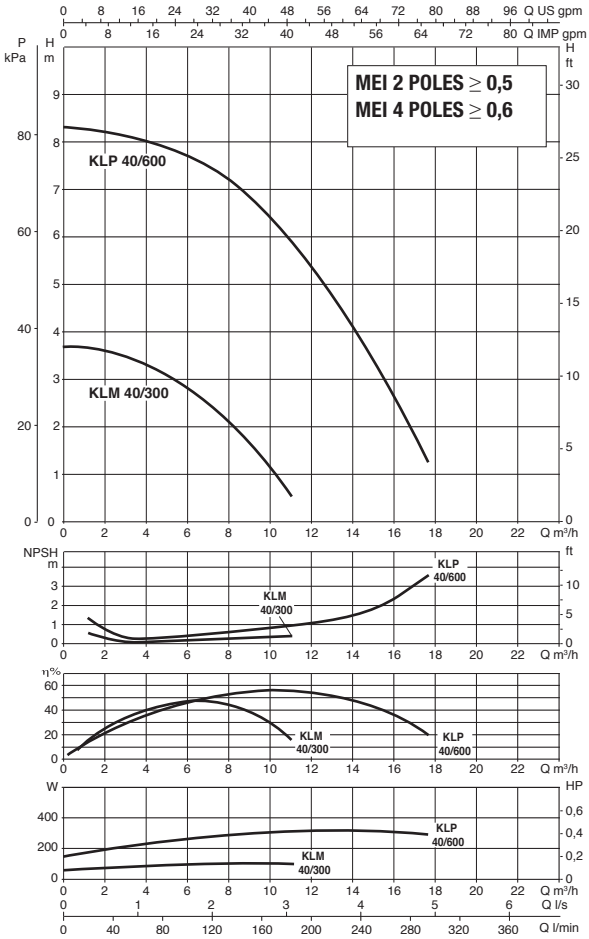
MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72	84
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	1200	1400
DKLM 65-300 T	H (m)	3,1				3	2,9	2,8	2,7	2,6	2,4	2	1,8							
DKLM 65-600 T		5,5						5,3	5	4,7	4,6	4	3,8	2,5						
DKLP 65-900 T		9							8,8	8,6	8,5	8,1	8	7	5,5	3,5				
DKLP 65-1200 T		12								11,6	11,4	11,2	11	10	8,8	6,7				
DKLP 65-1600 T		17,2	17,2	17,2	17,2	17,2	17,2	17,2	17,2	17,2	17,1	17,0	17,0	16,6	16,2	15,5	13,8	11,4	8,4	
DKLP 65-2000 T		20,5	20,5	20,5	20,5	20,5	20,4	20,4	20,4	20,3	20,2	20,2	20,1	19,8	19,5	18,9	17,0	14,3	11,1	7,6

MODEL	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72	84	96	108
	Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	1200	1400	1600	1800
DKLM 80-300 T	H (m)	3,3								3,2	3,1	3	2,9	2,7	2	1,2						
DKLM 80-600 T		5,7									5,8	5,8	5,7	5,5	5	4,3	2,5					
DKLP 80-900 T		8,8									8,7	8,6	8,5	8,4	8	7,7	6					
DKLP 80-1200 T		11,8												11,6	11,5	11	9,7	7,2				
DKLP 80-1600 T		16,2	16,3	16,3	16,3	16,3	16,3	16,3	16,3	16,3	16,3	16,3	16,3	16,2	16,0	15,7	15,1	14,3	13,3	12,0	10,3	8,5
DKLP 80-2000 T		20,5	20,6	20,7	20,7	20,7	20,8	20,8	20,8	20,8	20,7	20,7	20,7	20,5	20,4	20,2	19,8	19,2	18,2	16,9	15,3	13,5

KLM / KLP 40 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





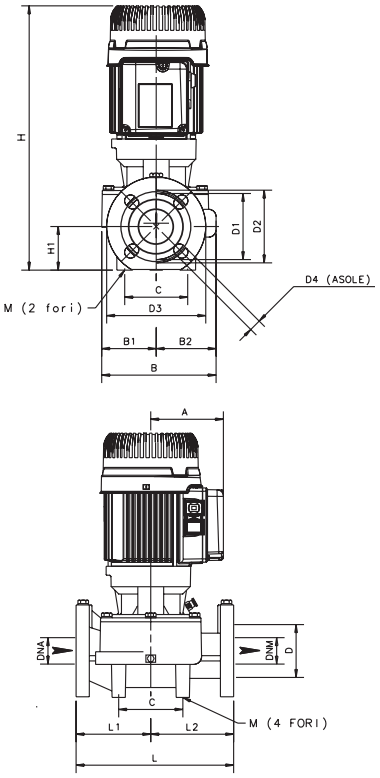
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

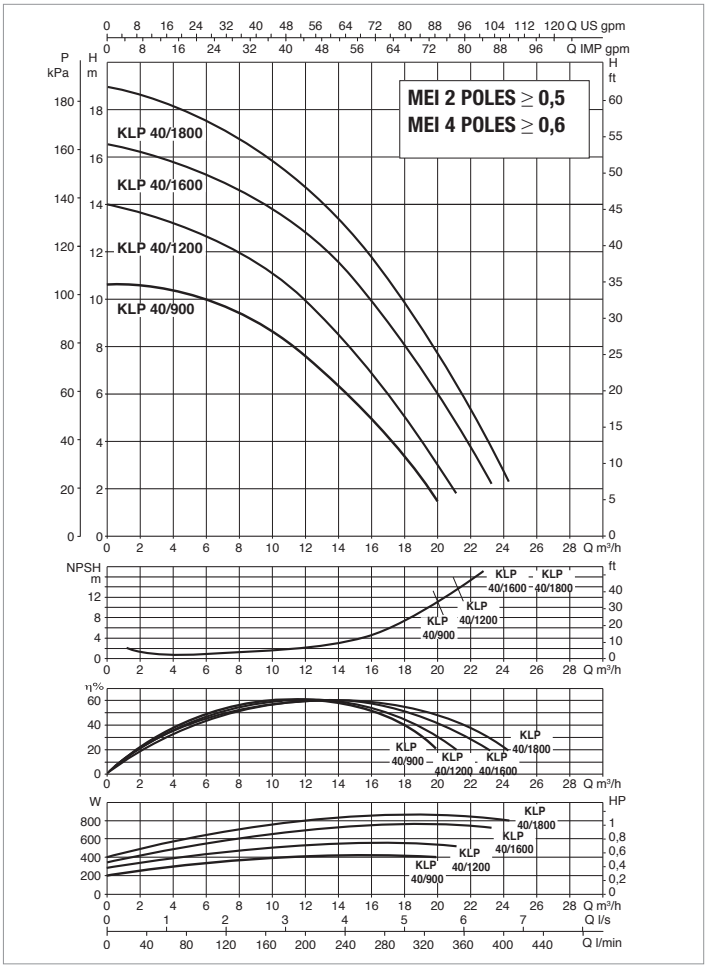
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
							kW	HP		µF	Vc
KLM 40-300 M	250	DN 40	1 x 220 - 240 V ~	4 POLES	1420	0,20	0,10	0,14	1,12	8	450
KLM 40-300 T	250	DN 40	3 x 230 / 400 V ~	4 POLES	1466	0,16	0,10	0,14	1,04-0,6	-	-
KLP 40-600 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2937	0,60	0,30	0,41	3,29	20	450
KLP 40-600 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2898	0,49	0,30	0,41	2,13-1,23	-	-

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT Kg
																			L/A	L/B	H		
KLM 40/300	110	179	82	97	100	40	40	80	100	110	150	4 HOLES 18x23	396	66	250	125	125	2 HOLES 10	470	280	330	0,043	21,1
KLP 40/600	110	179	82	97	100	40	40	80	100	110	150		396	66	250	125	125		470	280	330	0,043	22,5

KLM / KLP 40 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





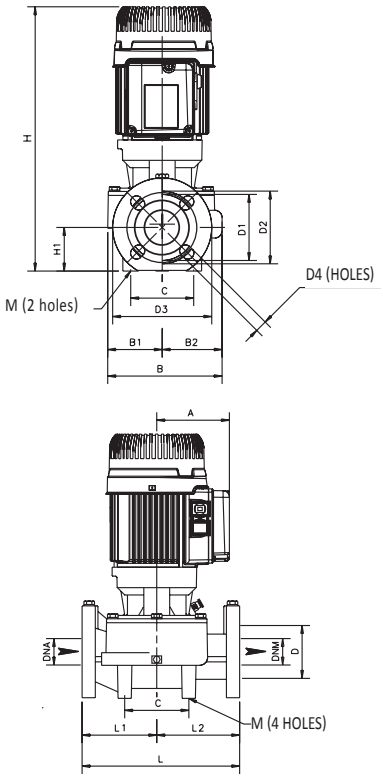
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

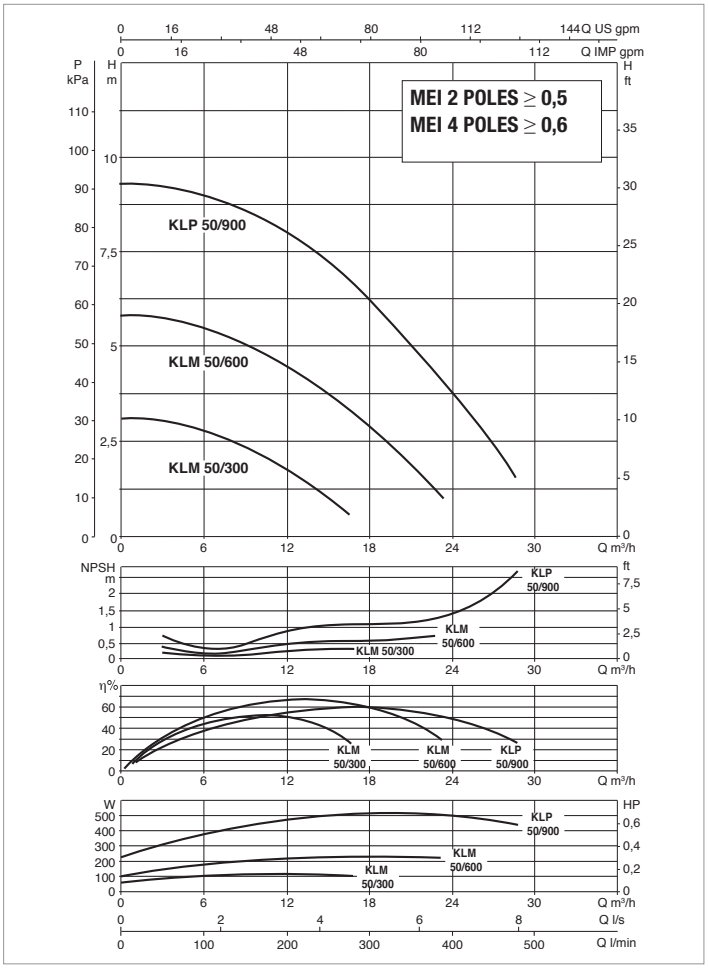
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
							kW	HP		µF	Vc
KLP 40-900 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2913	0,73	0,41	0,56	3,75	20	450
KLP 40-900 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2851	0,63	0,41	0,56	2,37-1,37	-	-
KLP 40-1200 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2873	0,91	0,54	0,73	4,40	20	450
KLP 40-1200 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2776	0,82	0,54	0,73	2,70-1,56	-	-
KLP 40-1600 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2812	1,18	0,75	1,01	4,71	20	450
KLP 40-1600 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2840	0,96	0,75	1,01	3,72-2,15	-	-
KLP 40-1800 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2812	1,18	0,85	1,16	5,44	20	450
KLP 40-1800 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2841	1,09	0,85	1,15	4-2,31	-	-

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT Kg
																			L/A	L/B	H		
KLP 40/900	110	179	82	97	100	40	40	80	100	110	150		396	66	250	125	125		470	280	330	0,043	22,5
KLP 40/1200	110	179	82	97	100	40	40	80	100	110	150	4 HOLES 18x23	396	66	250	125	125	2 HOLES 10	470	280	330	0,043	23,2
KLP 40-1600	110	179	82	97	100	40	40	80	100	110	150		396	66	250	125	125		470	280	330	0,043	23,5
KLP 40-1800	110	179	82	97	100	40	40	80	100	110	150		396	66	250	125	125		470	280	330	0,043	24,5

KLM / KLP 50 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





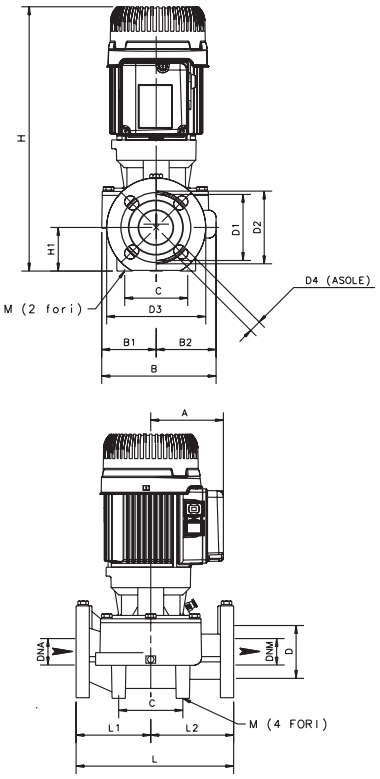
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

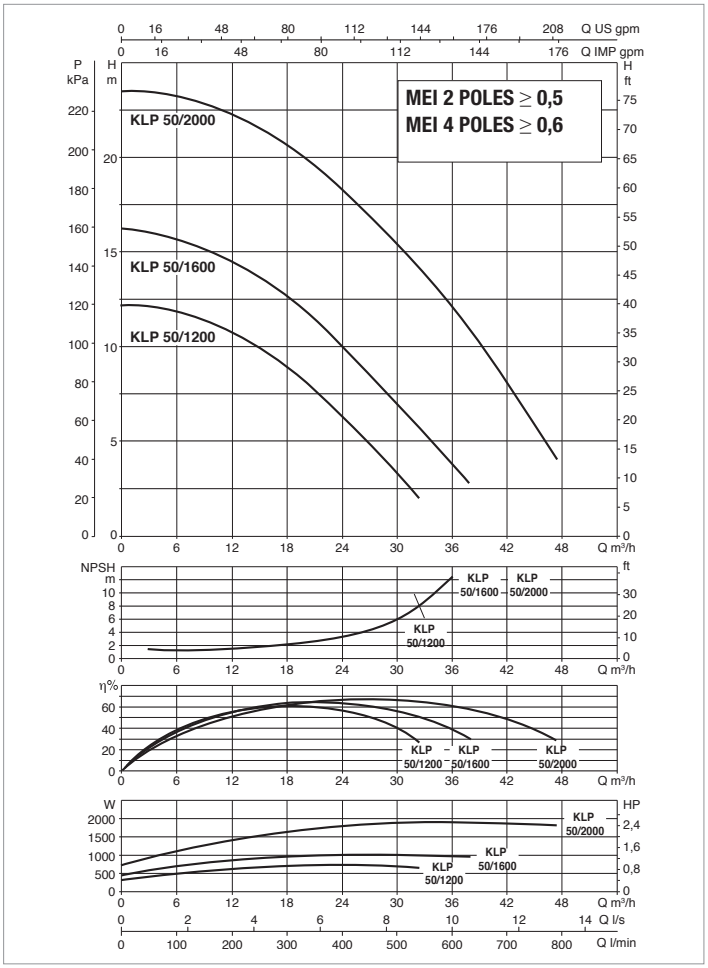
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
							kW	HP		µF	Vc
KLM 50-300 M	280	DN 50	1 x 220 - 240 V ~	4 POLES	1410	0,21	0,11	0,15	1,10	8	450
KLM 50-300 T	280	DN 50	3 x 230 / 400 V ~	4 POLES	1463	0,17	0,11	0,15	1,02-0,59	-	-
KLM 50-600 M	280	DN 50	1 x 220 - 240 V ~	4 POLES	1275	0,34	0,22	0,30	1,55	8	450
KLM 50-600 T	280	DN 50	3 x 230 / 400 V ~	4 POLES	1399	0,34	0,22	0,30	1,28-0,74	-	-
KLP 50-900 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2898	0,80	0,51	0,69	4,02	20	450
KLP 50-900 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2897	0,67	0,51	0,69	3,39-1,96	-	-

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT Kg
																			L/A	L/B	H		
KLM 50/300	110	204	94	110	100	50	50	90	110	125	165	4 HOLES 18x25,5	414	73	280	140	170	2 HOLES 10	470	280	330	0,043	24,2
KLM 50/600	110	204	94	110	100	50	50	90	110	125	165		414	73	280	140	170		470	280	330	0,043	24,6
KLP 50/900	110	204	94	110	100	50	50	90	110	125	165		414	73	280	140	170		470	280	330	0,043	26,5

KLM / KLP 50 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





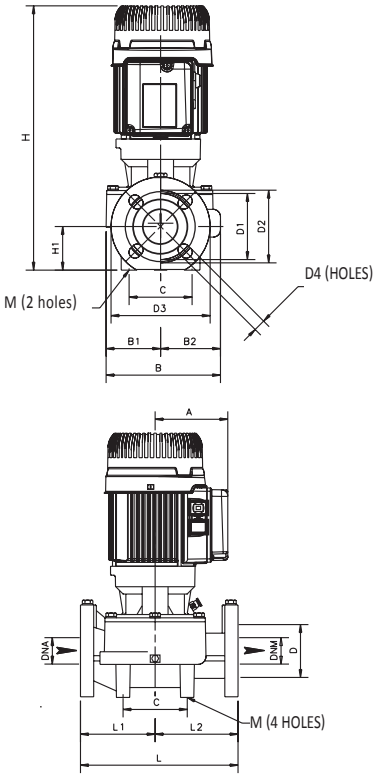
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

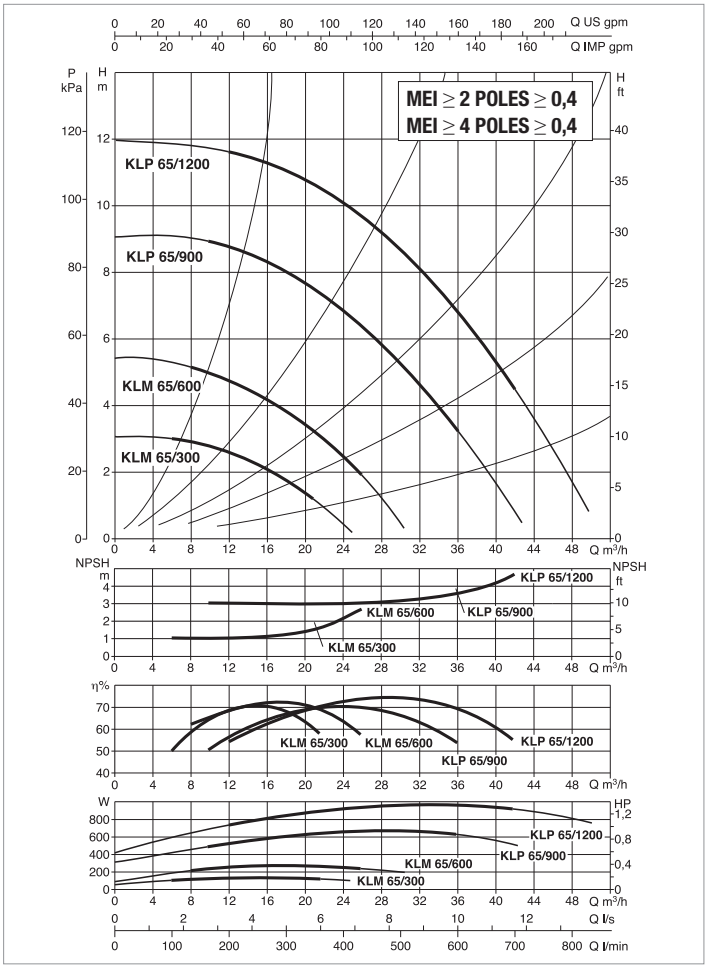
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA							
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR
							kW	HP		µF / Vc
KLP 50-1200 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2840	1,04	0,72	0,98	4,93	20 / 450
KLP 50-1200 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2842	0,92	0,72	0,97	3,72-2,15	- / -
KLP 50-1600 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2844	1,56	1,01	1,37	7,15	40 / 450
KLP 50-1600 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2746	1,32	1,01	1,38	4,34-2,51	- / -
KLP 50-2000 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2754	2,43	1,83	2,49	11,06	40 / 450
KLP 50-2000 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2832	2,34	1,83	2,49	7,59-4,39	- / -

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT Kg
																			L/A	L/B	H		
KLP 50/1200	110	204	94	110	100	50	50	90	110	125	165	4 HOLES 18x25,5	414	73	280	140	170	2 HOLES 10	470	280	330	0,043	26,6
KLP 50-1600	110	204	94	110	100	50	50	90	110	125	165		414	73	280	140	170		470	280	330	0,043	26,7
KLP 50-2000	115	204	94	110	100	50	50	90	110	125	165		423	73	280	140	170		510	310	470	0,074	33

KLM / KLP 65 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





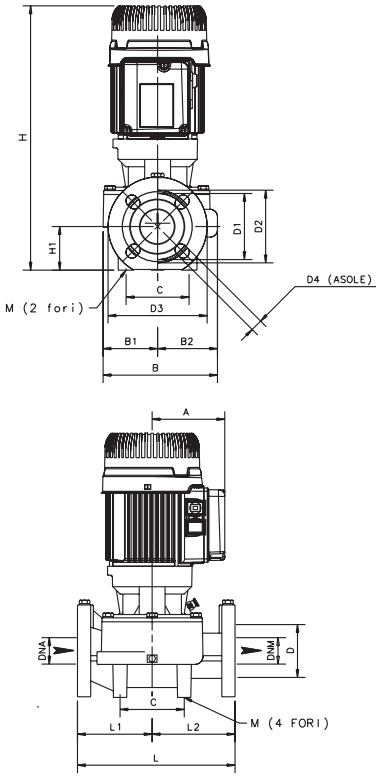
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

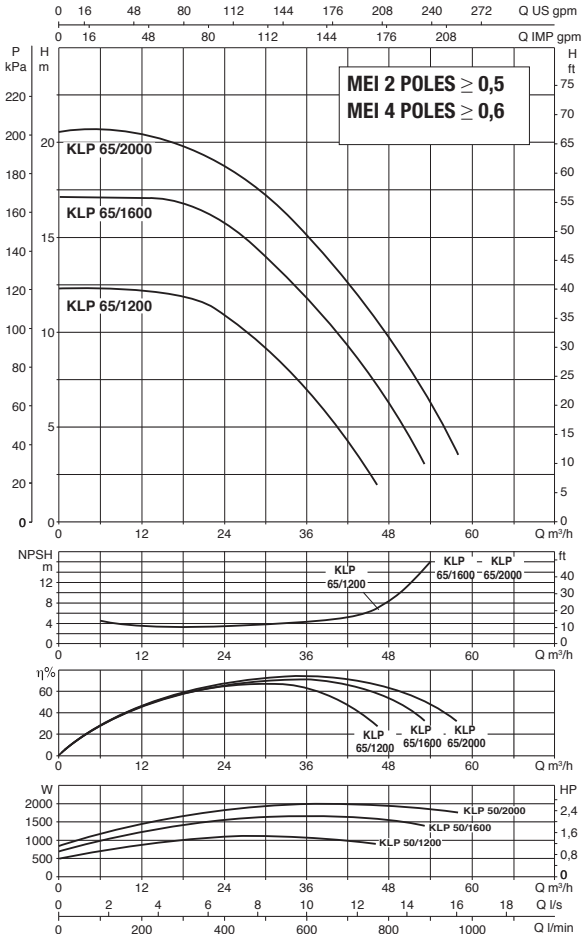
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
KLM 65-300 T	340	DN 65	3 x 230 / 400 V ~	4 POLES	1445	0,22	0,15	0,20	1,07-0,62
KLM 65-600 T	340	DN 65	3 x 230 / 400 V ~	4 POLES	1391	0,36	0,24	0,33	1,30-0,75
KLP 65-900 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2937	0,99	0,80	1,09	5,05-2,92

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT Kg
																			L/A	L/B	H		
KLM 65/300	110	228	99	129	100	65	65	110	130	145	185	4 HOLES 18x25,5	433	82	340	170	170	2 HOLES 12	510	310	470	0,074	29,3
KLM 65/600	110	228	99	129	100	65	65	110	130	145	185		433	82	340	170	170		510	310	470	0,074	29,5
KLP 65/900	114	228	99	129	100	65	65	110	130	145	185		433	82	340	170	170		510	310	470	0,074	35

KLM / KLP 65 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - Maximum ambient temperature: +40 °C





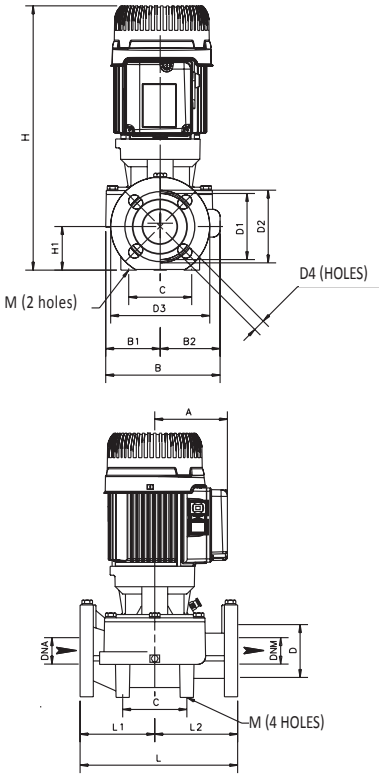
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

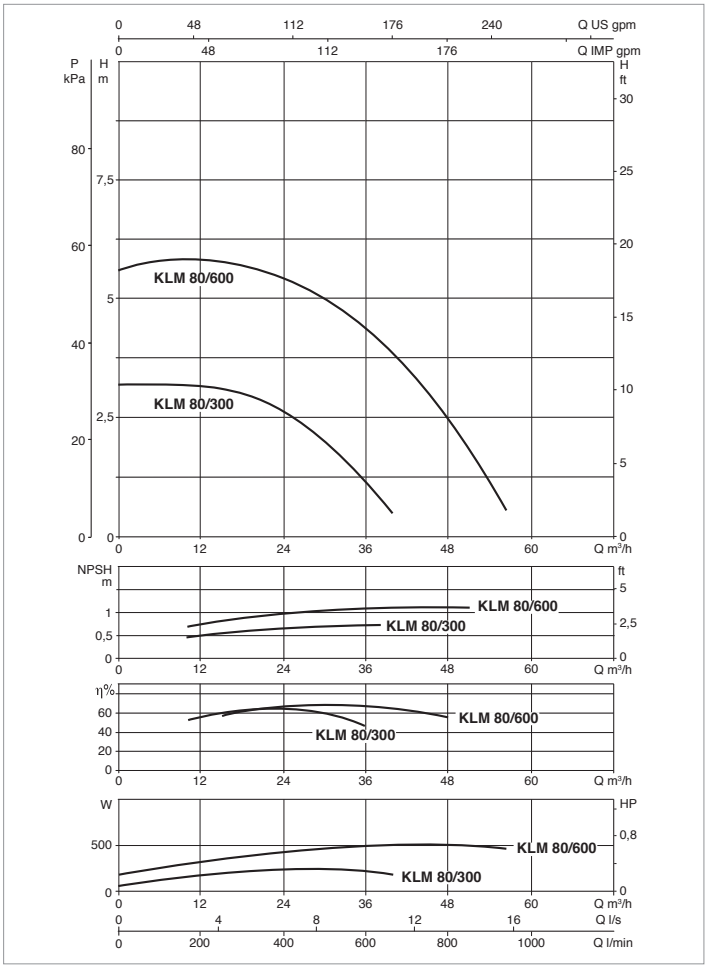
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
KLP 65-1200 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2910	1,34	1,12	1,52	5,64-3,26
KLP 65-1600 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2863	1,99	1,65	2,25	6,49-3,75
KLP 65-2000 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2828	2,51	2,00	2,72	8,08-4,67

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT kg
																			L/A	L/B	H		
KLP 65/1200	114	228	99	129	100	65	65	110	130	145	185	4 HOLES 18x25,5	433	82	340	170	170	2 HOLES 12	510	310	470	0,074	35,1
KLP 65-1600	114	228	99	129	100	65	65	110	130	145	185		433	82	340	170	170		510	310	470	0,074	35,2
KLP 65-2000	118	228	99	129	100	65	65	110	130	145	185		517	82	340	170	170		520	290	700	0,104	38,2

KLM / KLP 80 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





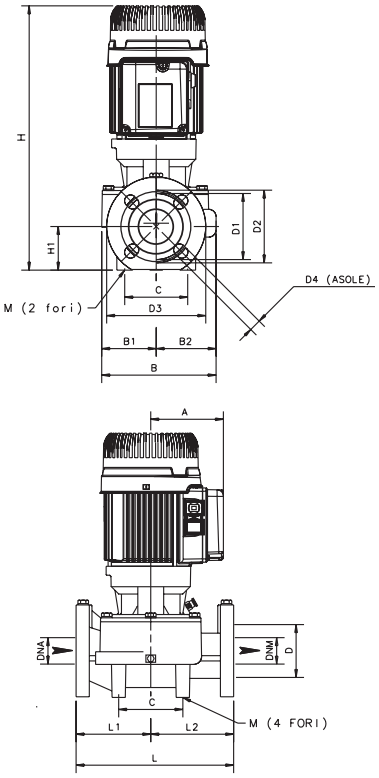
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

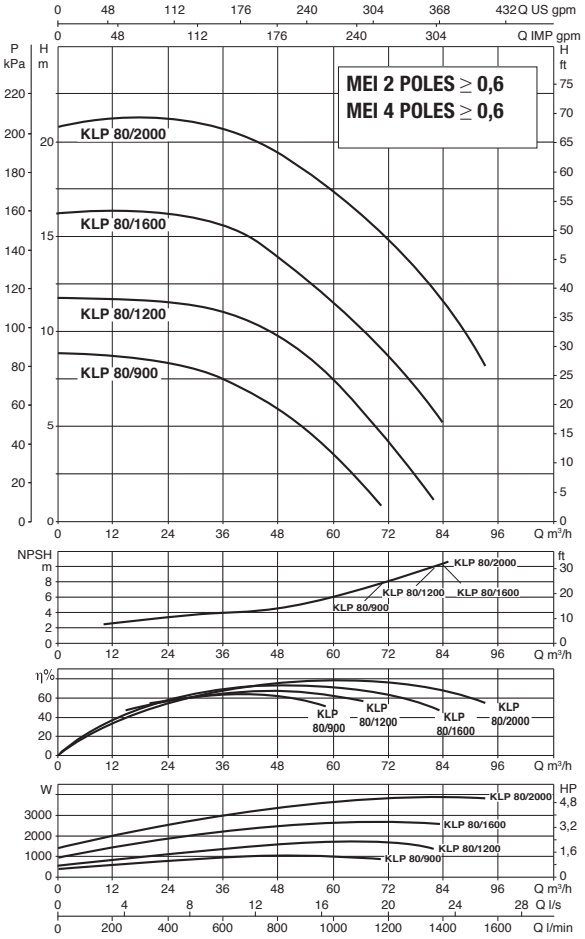
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
KLM 80-300 T	360	DN 80	3 x 230 - 400 V ~	4 POLES	1460	0,36	0,25	0,33	1,2/0,7
KLM 80-600 T	360	DN 80	3 x 230 - 400 V ~	4 POLES	1400	0,75	0,75	1	2,8/1,6

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg
																			L/A	L/B	H		
KLM 80/300	110	229	99	130	115	80	80	128	150	160	200	4 HOLES 18x23	453	97	360	190	170	2 HOLES 12	510	310	470	0,074	32,5
KLM 80/600	110	229	99	130	115	80	80	128	150	160	200		453	97	360	190	170		510	310	470	0,074	36,7

KLM / KLP 80 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





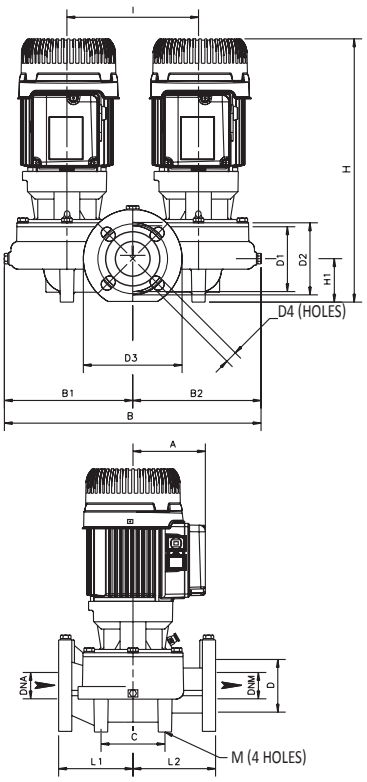
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

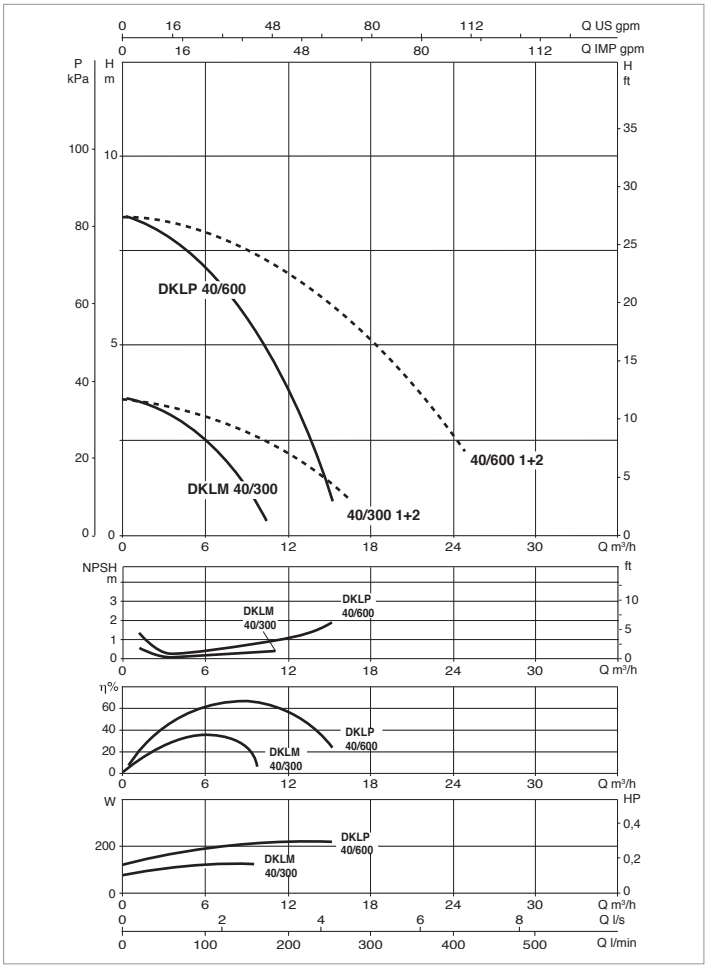
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
KLP 80-900 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2920	1,4	1,84	2,5	5,2/3,51
KLP 80-1200 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2840	2,1	1,84	2,5	6,6/4,31
KLP 80-1600 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2796	3,20	2,55	3,5	10,28-5,94
KLP 80-2000 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2868	4,72	3,67	5,0	13,94-8,06

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																			L/A	L/B	H		
KLP 80/900	118	229	99	130	115	80	80	128	150	160	200		537	97	360	190	170		520	290	700	0,104	39,6
KLP 80/1200	118	229	99	130	115	80	80	128	150	160	200	4 HOLES 18x23	537	97	360	190	170	2 HOLES 12	520	290	700	0,104	40
KLP 80-1600	118	229	99	130	115	80	80	128	150	160	200		537	97	360	190	170		520	290	700	0,104	42
KLP 80-2000	135	229	99	130	115	80	80	128	150	160	200		526	97	360	190	170		520	290	700	0,104	48

DKLM / DKLP40 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - Maximum ambient temperature: +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

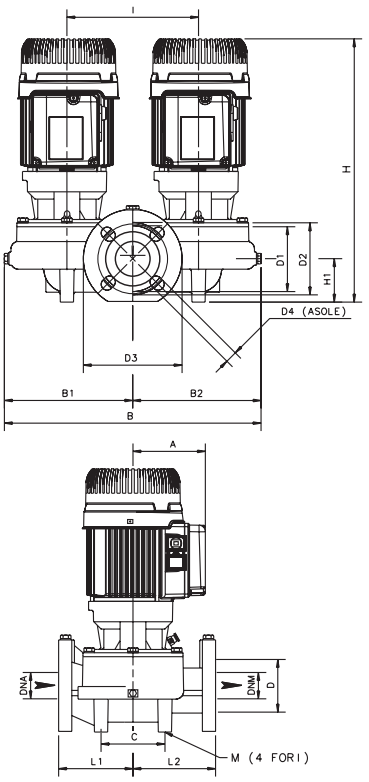
For the MEI index refer to the hydraulic data of the individual pump.

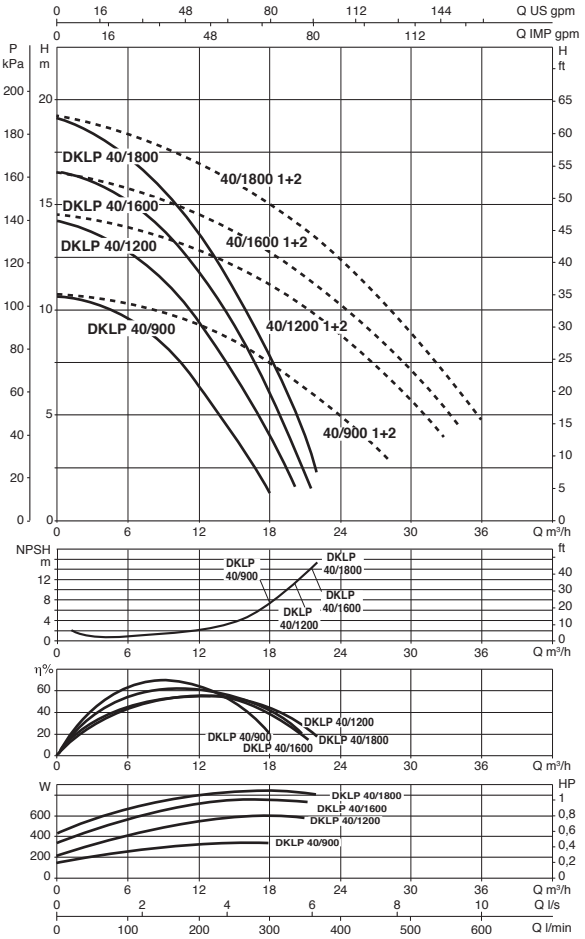
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
							kW	HP		µF	Vc
DKLM 40-300 M	250	DN 40	1 x 220 - 240 V ~	4 POLES	1420	0,20	0,10	0,14	1,12	8	450
DKLM 40-300 T	250	DN 40	3 x 230 / 400 V ~	4 POLES	1466	0,16	0,10	0,14	1,04-0,6	-	-
DKLP 40-600 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2937	0,60	0,30	0,41	3,29	20	450
DKLP 40-600 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2898	0,49	0,30	0,41	2,13-1,23	-	-

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLM 40/300	110	437	217	220	100	40	40	80	100	110	150	4 HOLES 18x23	396	66	200	250	125	125	4 HOLES 10	530	280	470	0,07	38,2
DKLP 40/600	110	437	217	220	100	40	40	80	100	110	150		396	66	200	250	125	125		530	280	470	0,07	41,8

DKLM / DKLP40 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

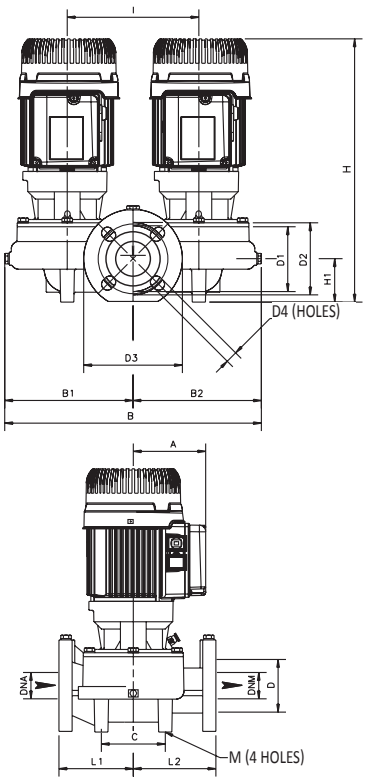
For the MEI index refer to the hydraulic data of the individual pump.

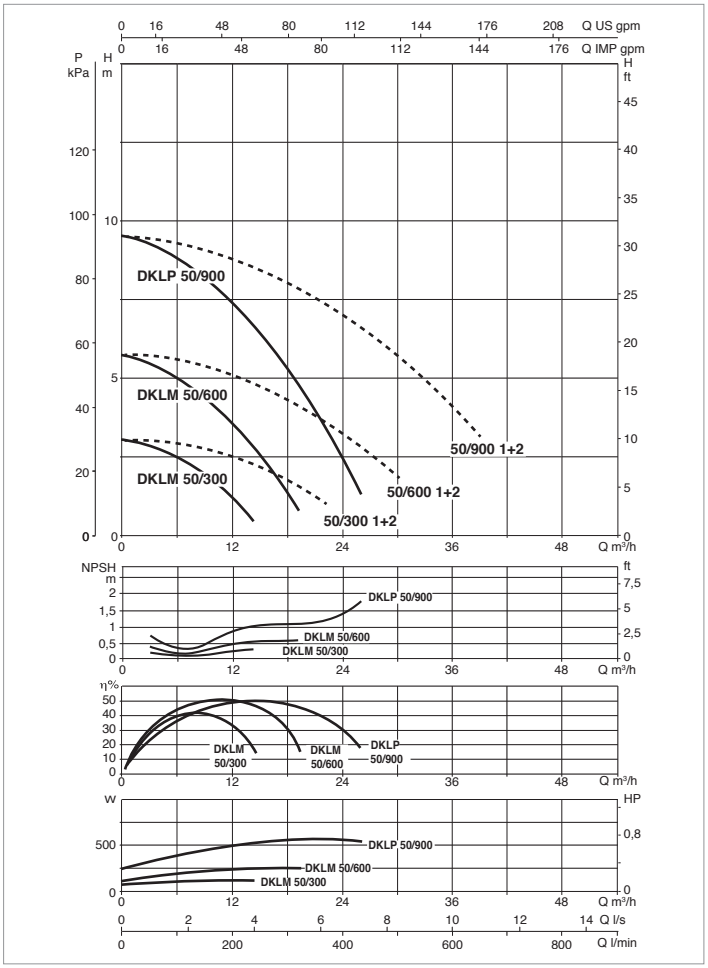
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
							kW	HP		µF	Vc
DKLP 40-900 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2913	0,73	0,41	0,56	3,75	20	450
DKLP 40-900 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2851	0,63	0,41	0,56	2,37-1,37	-	-
DKLP 40-1200 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2873	0,91	0,54	0,73	4,40	20	450
DKLP 40-1200 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2776	0,82	0,54	0,73	2,70-1,56	-	-
DKLP 40-1600 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2812	1,18	0,75	1,01	4,71	20	450
DKLP 40-1600 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2840	0,96	0,75	1,01	3,72-2,15	-	-
DKLP 40-1800 M	250	DN 40	1 x 220 - 240 V ~	2 POLES	2812	1,18	0,85	1,16	5,44	20	450
DKLP 40-1800 T	250	DN 40	3 x 230 / 400 V ~	2 POLES	2841	1,09	0,85	1,15	4-2,31	-	-

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLP 40/900	110	437	217	220	100	40	40	80	100	110	150	4 HOLES 18x23	396	66	200	250	125	125	4 HOLES 10	530	280	470	0,07	41,8
DKLP 40/1200	110	437	217	220	100	40	40	80	100	110	150		396	66	200	250	125	125		530	280	470	0,07	41,8
DKLP 40-1600	110	437	217	220	100	40	40	80	100	110	150		396	66	200	250	125	125		530	280	470	0,07	45,8
DKLP 40-1800	110	437	217	220	100	40	40	80	100	110	150		396	66	200	250	125	125		530	280	470	0,07	45,8

DKLM / DKLP 50 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

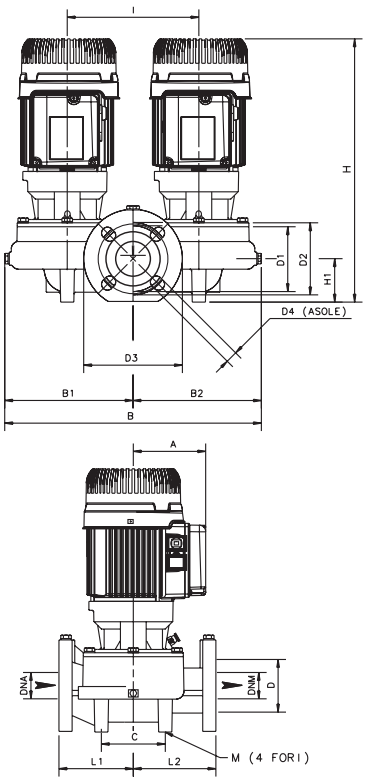
For the MEI index refer to the hydraulic data of the individual pump.

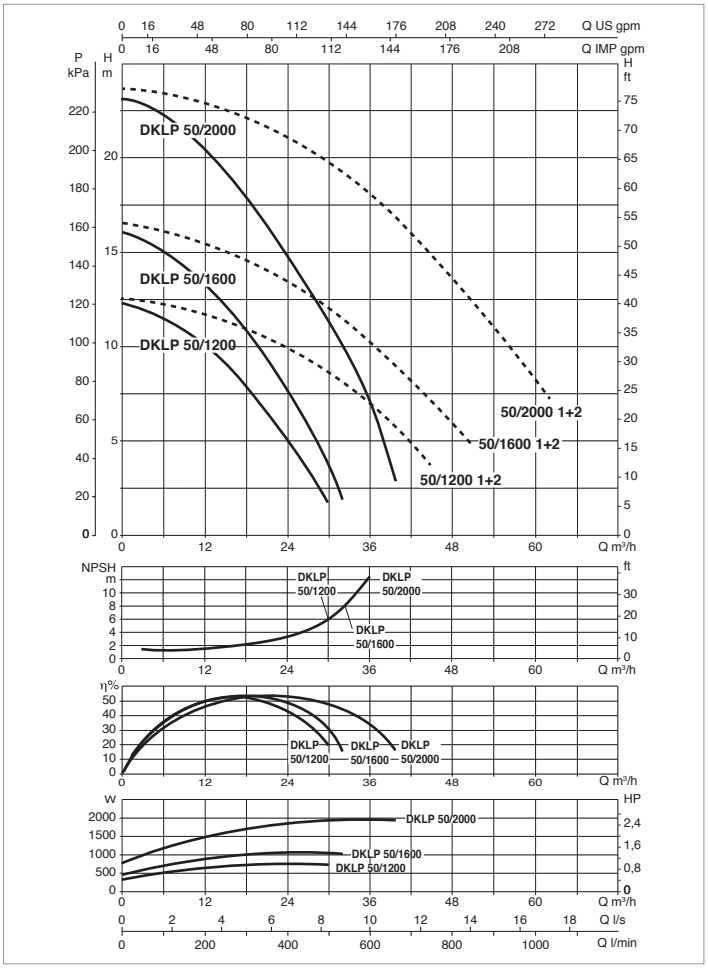
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
							kW	HP		µF	Vc
DKLM 50-300 M	280	DN 50	1 x 220 - 240 V ~	4 POLES	1410	0,21	0,11	0,15	1,10	8	450
DKLM 50-300 T	280	DN 50	3 x 230 / 400 V ~	4 POLES	1463	0,17	0,11	0,15	1,02-0,59	-	-
DKLM 50-600 M	280	DN 50	1 x 220 - 240 V ~	4 POLES	1275	0,34	0,22	0,30	1,55	8	450
DKLM 50-600 T	280	DN 50	3 x 230 / 400 V ~	4 POLES	1399	0,34	0,22	0,30	1,28-0,74	-	-
DKLP 50-900 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2898	0,80	0,51	0,69	4,02	20	450
DKLP 50-900 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2897	0,67	0,51	0,69	3,39-1,96	-	-

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLM 50/300	110	434	217	217	120	50	50	90	110	125	165	4 HOLES 18x25,5	410	73	240	280	140	170	4 HOLES 14	540	420	610	0,138	51
DKLM 50/600	110	434	217	217	120	50	50	90	110	125	165		414	73	240	280	140	170		540	420	610	0,138	52
DKLP 50/900	110	434	217	217	120	50	50	90	110	125	165		414	73	240	280	140	170		540	420	610	0,138	54

DKLM / DKLP 50 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

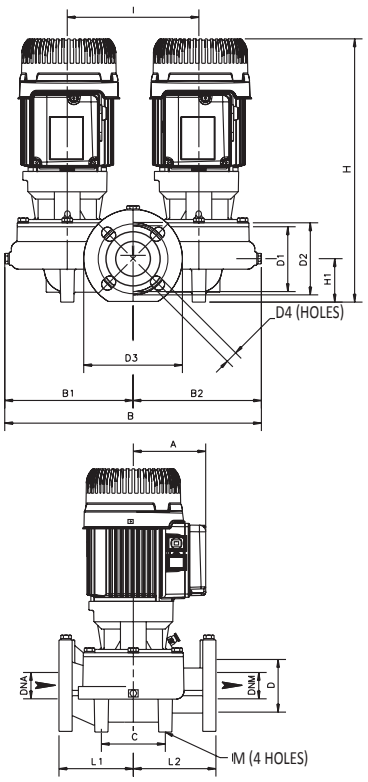
For the MEI index refer to the hydraulic data of the individual pump.

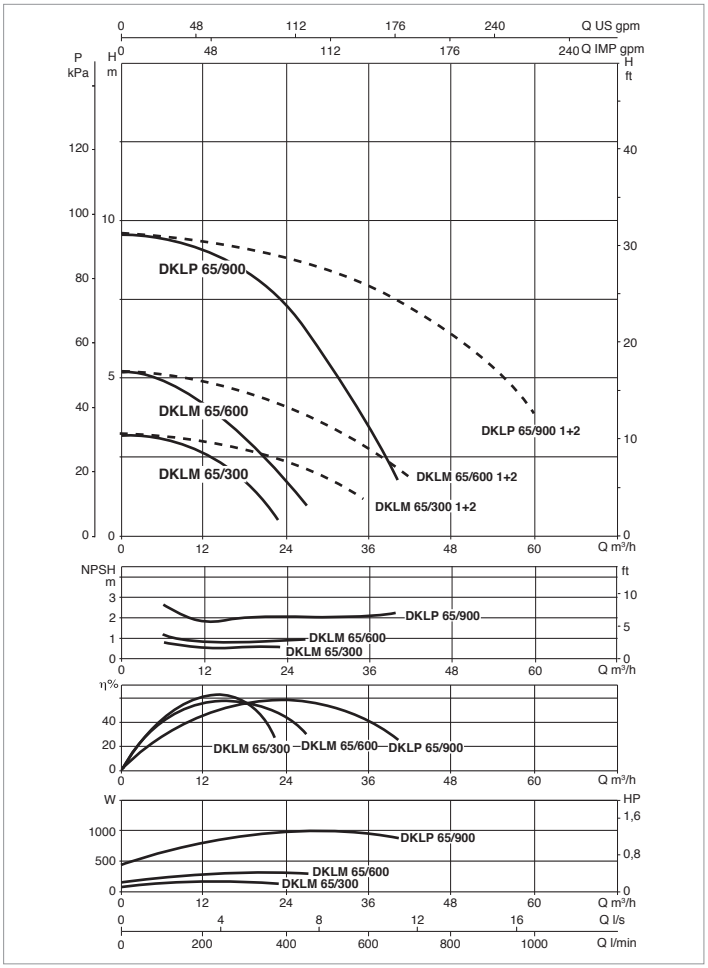
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA							
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR
							kW	HP		µF / Vc
DKLP 50-1200 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2840	1,04	0,72	0,98	4,93	20 / 450
DKLP 50-1200 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2842	0,92	0,72	0,97	3,72-2,15	- / -
DKLP 50-1600 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2844	1,56	1,01	1,37	7,15	40 / 450
DKLP 50-1600 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2746	1,32	1,01	1,38	4,34-2,51	- / -
DKLP 50-2000 M	280	DN 50	1 x 220 - 240 V ~	2 POLES	2754	2,43	1,83	2,49	11,06	40 / 450
DKLP 50-2000 T	280	DN 50	3 x 230 / 400 V ~	2 POLES	2832	2,34	1,83	2,49	7,59-4,39	- / -

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLP 50/1200	110	434	217	217	120	50	50	90	110	125	165	4 HOLES 18x25,5	414	73	240	280	140	170	4 HOLES 14	540	420	610	0,138	54,2
DKLP 50-1600	110	434	217	217	120	50	50	90	110	125	165		414	73	240	280	140	170		540	420	610	0,138	54,5
DKLP 50-2000	110	434	217	217	120	50	50	90	110	125	165		423	73	240	280	140	170		540	420	610	0,138	58,5

DKLM / DKLP 65 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

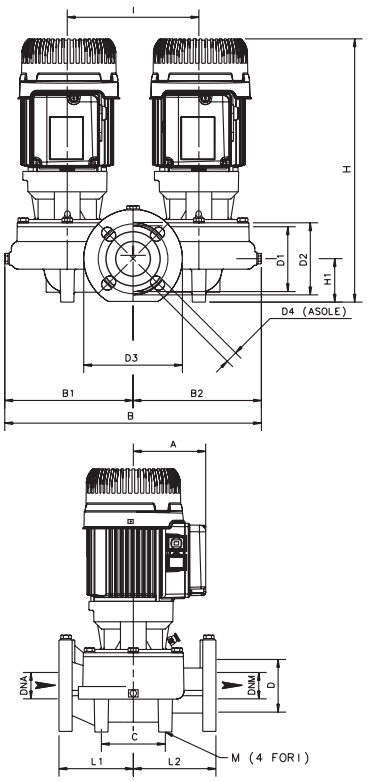
For the MEI index refer to the hydraulic data of the individual pump.

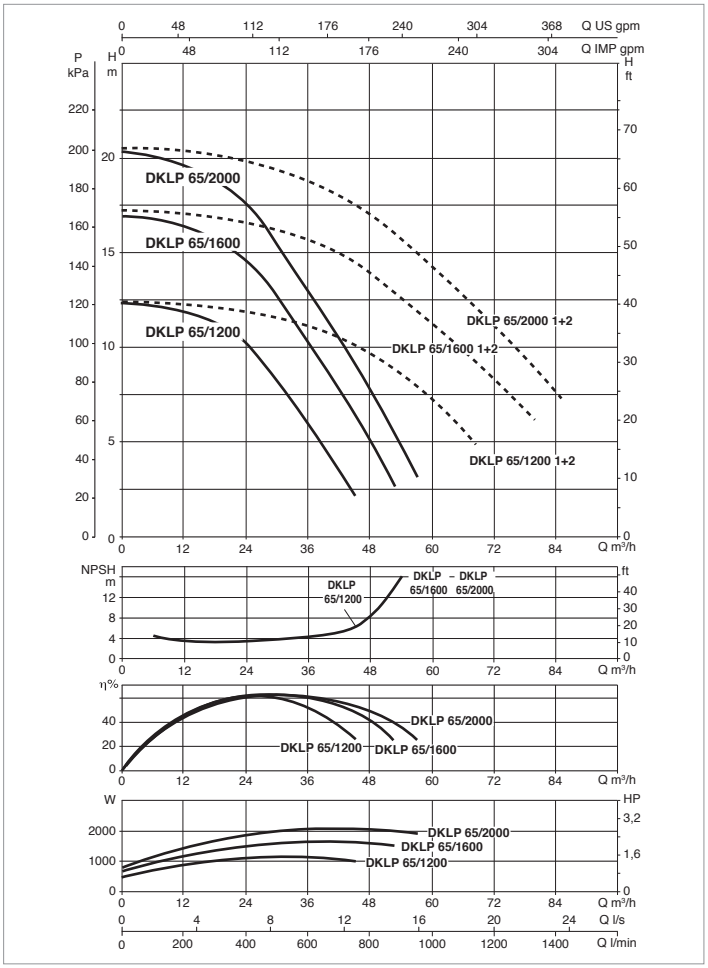
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
DKLM 65-300 T	340	DN 65	3 x 230 / 400 V ~	4 POLES	1445	0,22	0,15	0,20	1,07-0,62
DKLM 65-600 T	340	DN 65	3 x 230 / 400 V ~	4 POLES	1391	0,36	0,24	0,33	1,30-0,75
DKLP 65-900 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2937	0,99	0,80	1,09	5,05-2,92

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLM 65/300	110	455	226	229	100	65	65	110	130	145	185	4 HOLES 18x25,5	433	82	240	340	170	170	4 HOLES 14	540	520	610	0,138	55
DKLM 65/600	110	455	226	229	100	65	65	110	130	145	185		433	82	240	340	170	170		540	520	610	0,138	62
DKLP 65/900	114	455	226	229	100	65	65	110	130	145	185		443	82	240	340	170	170		540	520	610	0,138	66

DKLM / DKLP 65 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

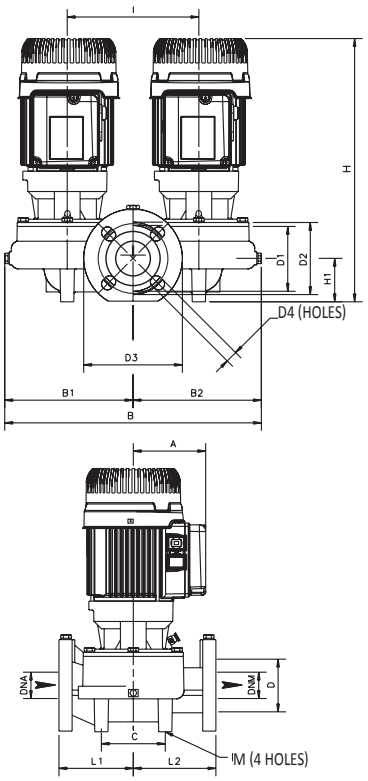
For the MEI index refer to the hydraulic data of the individual pump.

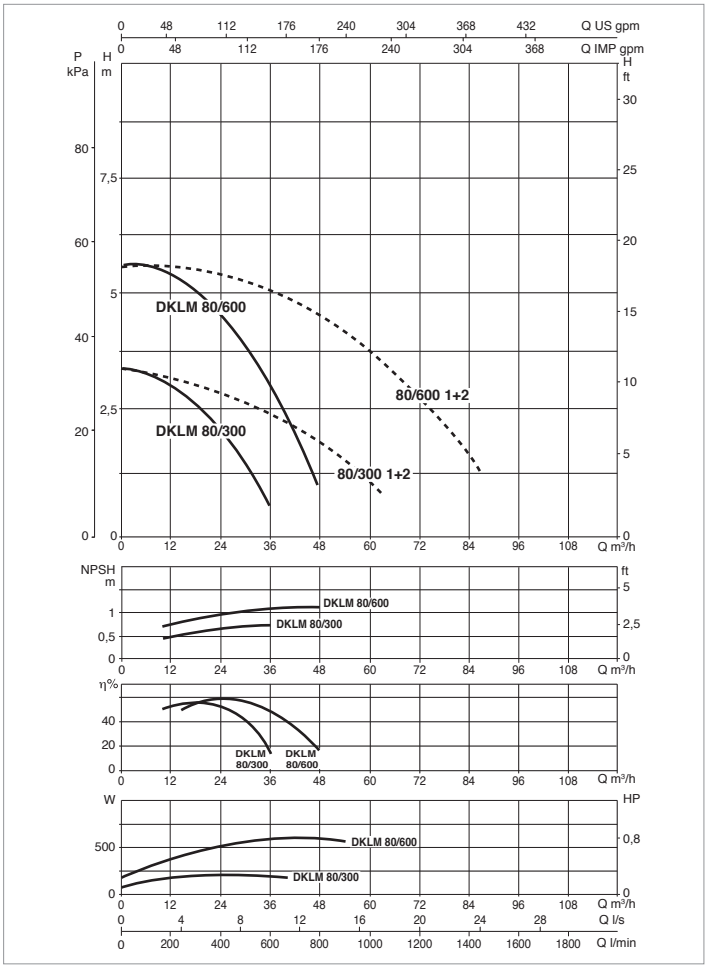
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
DKLP 65-1200 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2910	1,34	1,12	1,52	5,64-3,26
DKLP 65-1600 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2863	1,99	1,65	2,25	6,49-3,75
DKLP 65-2000 T	340	DN 65	3 x 230 / 400 V ~	2 POLES	2828	2,51	2,00	2,72	8,08-4,67

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLP 65/1200	114	455	226	229	100	65	65	110	130	145	185	4 HOLES 18x23	443	82	240	340	170	170	4 HOLES 14	540	520	610	0,138	66,2
DKLP 65-1600	114	455	226	229	100	65	65	110	130	145	185		443	82	240	340	170	170		540	520	610	0,138	66,5
DKLP 65-2000	118	455	226	229	100	65	65	110	130	145	185		517	82	240	340	170	170		540	420	800	0,189	72,5

DKLM / DKLP 80 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

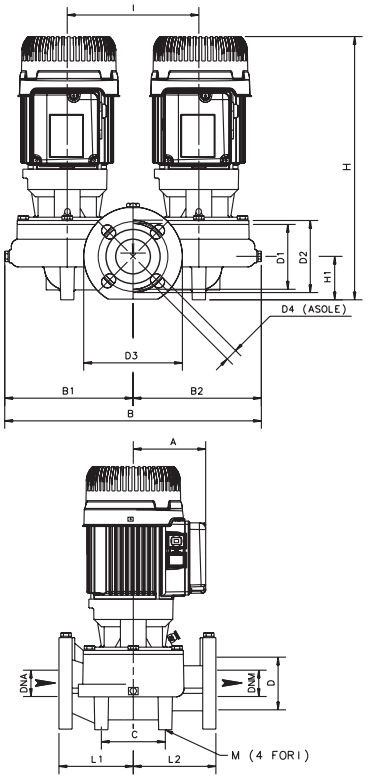
For the MEI index refer to the hydraulic data of the individual pump.

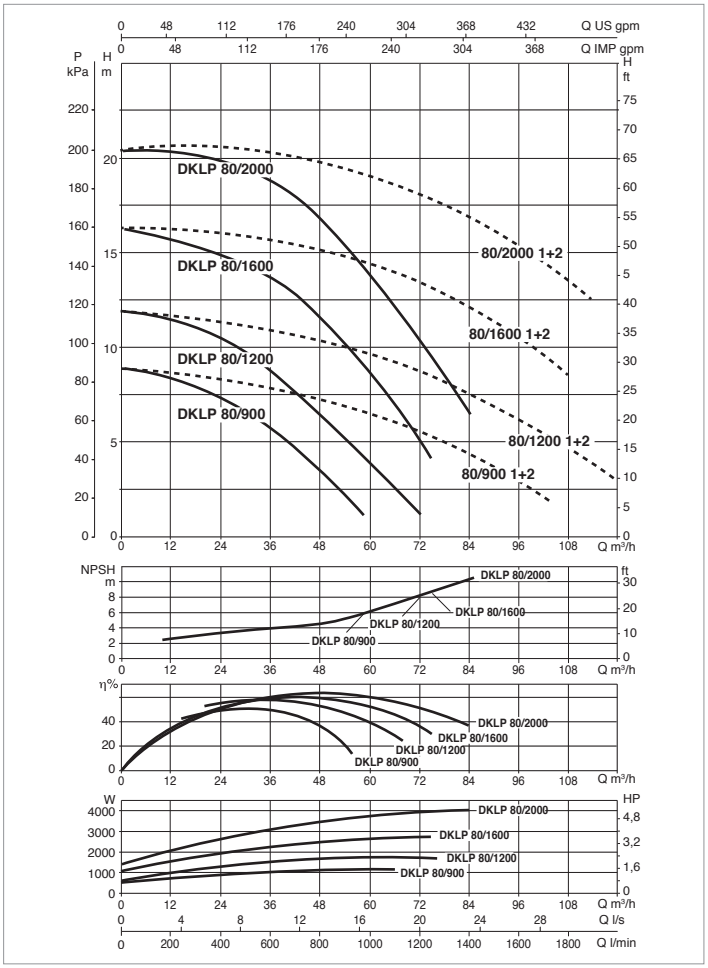
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
DKLM 80-300 T	360	DN 80	3 x 230 - 400 V ~	4 POLES	1460	0,36	0,25	0,33	1,2/0,7
DKLM 80-600 T	360	DN 80	3 x 230 - 400 V ~	4 POLES	1400	0,75	0,75	1	2,8/1,6

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLM 80/300	110	463	230	233	115	80	80	128	150	160	200	4 HOLES 18x23	453	97	240	360	190	170	4 HOLES 14	540	420	610	0,138	62
DKLM 80/600	110	463	230	233	115	80	80	128	150	160	200		453	97	240	360	190	170		540	420	610	0,138	70

DKLM / DKLP 80 - IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -15 °C to +120 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA						
			POWER INPUT 50 Hz	MOTOR TYPE	n r.p.m.	P1 MAX kW	P2 NOMINAL		In A
							kW	HP	
DKLP 80-900 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2920	1,4	1,84	2,5	5,2/3,51
DKLP 80-1200 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2840	2,1	1,84	2,5	6,6/4,31
DKLP 80-1600 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2796	3,20	2,55	3,5	10,28-5,94
DKLP 80-2000 T	360	DN 80	3 x 230 - 400 V ~	2 POLES	2868	4,72	3,67	5,0	13,94-8,06

MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (mc)	WEIGHT KG
																				L/A	L/B	H		
DKLP 80/900	118	463	230	233	115	80	80	128	150	160	200	4 HOLES 18x23	537	97	240	360	190	170	4 HOLES 14	540	420	800	0,189	76
DKLP 80/1200	118	463	230	233	115	80	80	128	150	160	200		537	97	240	360	190	170		540	420	800	0,189	76,2
DKLP 80-1600	118	463	230	233	115	80	80	128	150	160	200		537	97	240	360	190	170		540	420	800	0,189	81,2
DKLP 80-2000	135	463	230	233	115	80	80	128	150	160	200		526	97	240	360	190	170		540	420	800	0,189	93,2

CM / CM-G / DCM / DCM-G

ELECTRIC IN-LINE PUMPS

ENERGY EFFICIENCY IE3 ≥ 0,75 kW

IE2 ≥ 7.5kW ONLY FOR EXTRA MARKETS EU

TECHNICAL DATA

Operating range: from 1,2 to 420 m3/h with head of up to 41 metres.
Pumped liquid: clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water. Maximum, glycol content 30 % (for other glycol percentages contact Technical Support).
Liquid temperature range:
from -10 °C to +130 °C for DN 40 - DN 50.
from -10 °C to +140 °C for the remainder of the range.
Maximum ambient temperature: +40 °C.
Maximum operating pressure:
PN10 : for DN 40 - DN 50.
PN16 : Remainder of the range.
Flanging: PN 16.
Special executions on request: Other voltages and/or frequencies.
Protection: IP 55.
Insulation: class F.

APPLICATIONS

In-line port circulation pumps, suitable for heating, air conditioning, refrigeration and sanitary water systems.
Available in the single and twin versions.

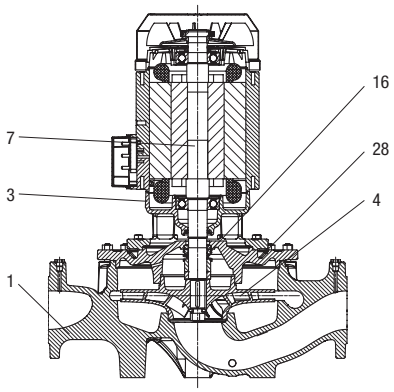
CONSTRUCTION FEATURES

PN 10 - PN 16 flanged suction and delivery ports with threaded holes for control manometers.
Cast iron pump body and motor support, cast iron or technopolymer impeller depending on mode.
Stainless steel motor shaft.
External ventilation three-phase asynchronous motor. For its protection we recommend the use of remote overload cut-outs, in compliance with current local regulations.

MATERIALS

N.	PARTS*	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185
3	SUPPORT	CAST IRON 250 UNI ISO 185
4	IMPELLER	CAST IRON DN 65-80-100-125-150 / DCM Dn 40 - 50 / CM 40-1300T, CM 40-1450T, CM 50-1270T , CM 50-1420T
		TECHNOPOLYMER B CM 40-440T, CM 40-540T, CM 40-670T, CM 40-870T, CM 50-510T, CM 50-630T, CM 50-780T, CM 50-1000T
7	SHAFT WITH ROTOR	AISI 304 STAINLESS STEEL X5 CrNiS 1809 UNI 6900/71
16	MECHANICAL SEAL	CARBON/GRAPHITE
28	OR RING	EPDM RUBBER

* In contact with the liquid



– Denomination index:

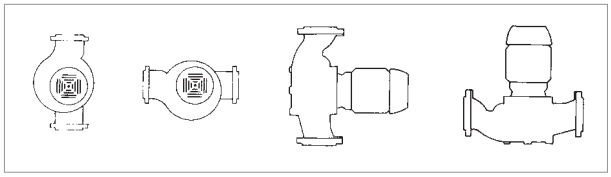
(example)

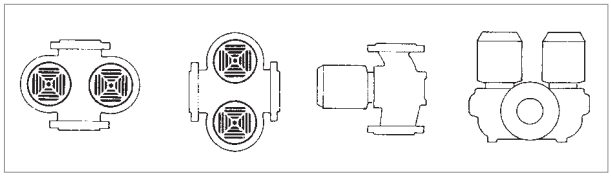
D C M - G 65 420 A BAQE 0,25

- Single pump
D - Twin pump
Circulator
M = 4-pole motor
M = 2-pole motor
G = version with coupling
(DN) nominal diameter of the flanged ports
Maximum head (cm)
A - Cast iron impeller
B - Bronze impeller
Mechanical seal type
Motor P2 in kW

Installation: horizontal or vertical position, provided that the motor is always above the pump.

Vertical installation only for powers exceeding 7,5 kW.





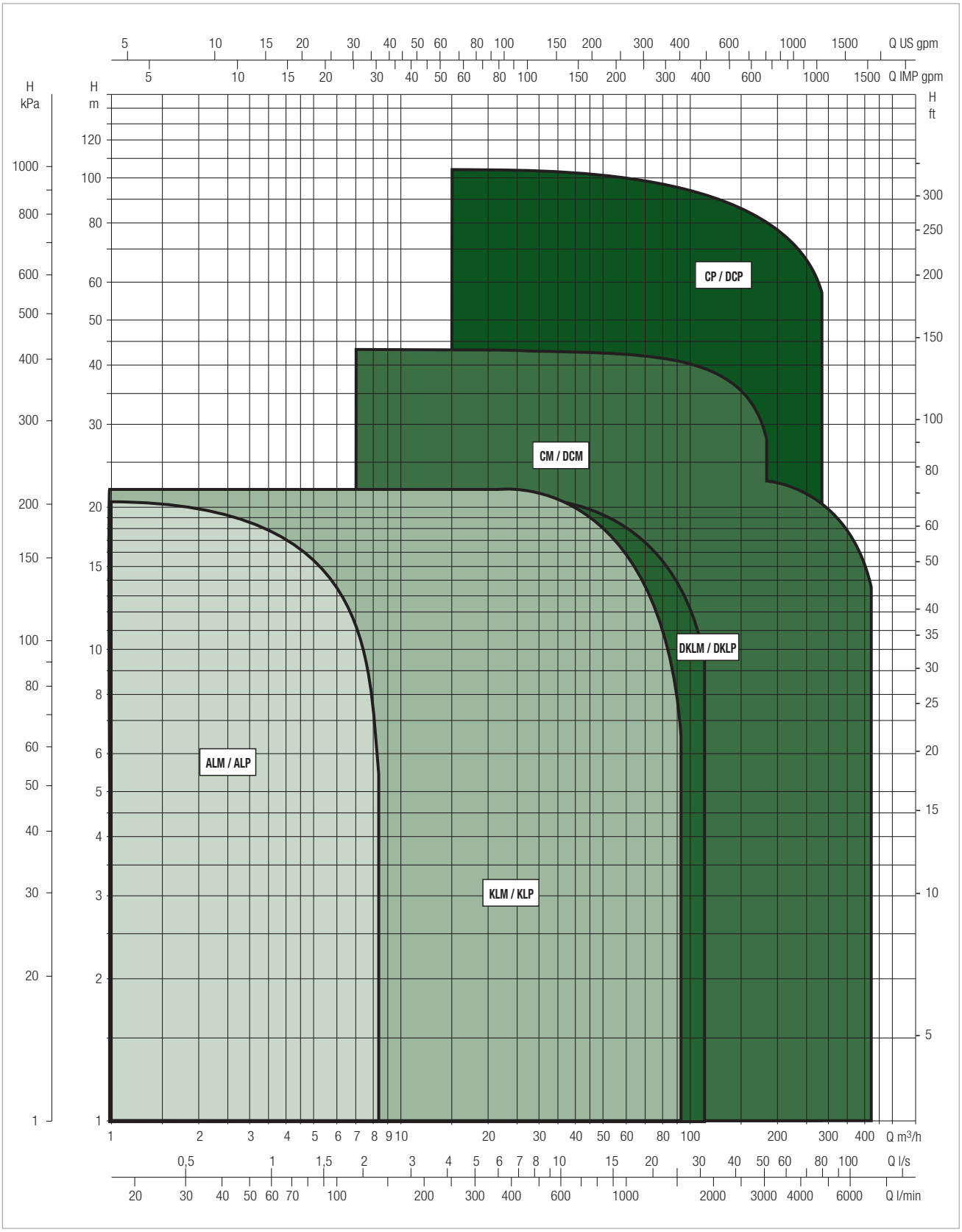
ELECTRIC IN-LINE PUMPS

IN-LINE ELECTRIC PUMPS FOR CIRCULATION SYSTEMS

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

GRAPHIC SELECTION TABLE



SELECTION TABLE - CM / CM-G - 4 POLES

MODEL	Q=m³/h	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48
	Q=l/min	0	20	40	50	60	80	100	200	300	400	500	600	700	800
CM 40-440 T	H (m)	4,4	4,4	4,3	4,3	4,2	4,1	3,8							
CM 40-540 T		5,6	5,6	5,6	5,5	5,5	5,4	5	1,8						
CM 40-670 T		6,9	6,9	6,9	6,8	6,7	6,6	6,3	3,1						
CM 40-870 T		8,7	8,7	8,6	8,6	8,5	8,3	8,2	5						
CM 40-1300 T					13	12,9	12,5	12,4	9,8	6					
CM 40-1450 T							14,4	14,3	11,8	8					

MODEL	Q=m³/h	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48
	Q=l/min	0	20	40	50	60	80	100	200	300	400	500	600	700	800
CM 50-510 T	H (m)					5	4,6	4,2							
CM 50-630 T						6,2	5,8	5,5							
CM 50-780 T						7,7	7,4	7,1							
CM 50-1000 T						10,1	9,8	9,6	6,8						
CM 50-1270 T								12,7	11,2	8,5					
CM 50-1420 T								14,2	13	10	6				

MODEL	Q=m³/h	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48
	Q=l/min	0	20	40	50	60	80	100	200	300	400	500	600	700	800
CM-G 65-420/A/BAQE/0,25	H (m)	4,2						4,1	3,7	3	2,1				
CM-G 65-540/A/BAQE/0,37		5,4						5,3	5	4,4	3,5				
CM-G 65-660/A/BAQE/0,55		6,6						6,5	6,2	5,7	4,8				
CM-G 65-760/A/BAQE/0,55		7,6						7,7	7,6	6,7	5,5				
CM-G 65-920/A/BAQE/0,75		9,2						9,2	9	8,4	7,4	5,7			
CM-G 65-1080/A/BAQE/1,1		10,8							10,8	10,6	10,2	9,5	8,6	7,3	
CM-G 65-1200/A/BAQE/1,5		12							12	11,9	11,5	10,8	10,1	8,9	
CM-G 65-1530/A/BAQE/2,2		15,3							15,3	15,2	14,8	14	13,3	12,1	10,8
CM-G 65-1680/A/BAQE/3		16,8							16,8	16,5	16,1	15,5	14,6	13,6	12,4
CM-G 65-2380/A/BAQE/4		23,8							24	23,8	23,4	22,7	21,6	20,4	19

SELECTION TABLE - CM / CM-G - 4 POLES

MODEL	Q=m³/h	0	12	18	24	30	36	42	48	60	72	84	90	102	114	120	150	180
	Q=l/min	0	200	300	400	500	600	700	800	1000	1200	1400	1500	1700	1900	2000	2500	3000
CM-G 80-550/A/BAQE/0,55	H (m)	5,5	5,2	5	4,7	4,3	3,9	3,3	2,6									
CM-G 80-650/A/BAQE/0,75		6,5	6,3	6,1	5,8	5,5	5	4,5	3,9									
CM-G 80-740/A/BAQE/1,1		7,4	7,4	7,3	7,2	6,9	6,7	6,3	5,8	4,4								
CM-G 80-890/A/BAQE/1,5		8,9		8,8	8,7	8,6	8,3	8	7,6	6,6								
CM-G 80-1050/A/BAQE/2,2		10,5			10,4	10,3	10,2	9,9	9,6	8,8								
CM-G 80-1530/A/BAQE/3		15,3			15,4	15,3	15	14,6	14,1	12,9	11,3							
CM-G 80-1700/A/BAQE/4		17			17,2	17,2	17,1	16,8	16,5	15,7	14,3	12,6						
CM-G 80-2410/A/BAQE/5,5		24,1			23,8	23,6	23,3	22,8	22,3	20,8	18,6							
CM-G 80-2700/A/BAQE/7,5		27						26	25,5	24,5	22,7	20,2	19					
CM-G 80-3420/A/BAQE/11		34,2						33,2	33	32	30,7	29	28	25	21,7			

MODEL	Q=m³/h	0	12	18	24	30	36	42	48	60	72	84	90	102	114	120	150	180
	Q=l/min	0	200	300	400	500	600	700	800	1000	1200	1400	1500	1700	1900	2000	2500	3000
CM-G 100-510/A/BAQE/0,75	H (m)	5,1	4,9	4,8	4,7	4,7	4,4	4,2	3,8	3								
CM-G 100-650/A/BAQE/1,1		6,5	6,4	6,4	6,3	6,2	6	5,8	5,5	4,6								
CM-G 100-660/A/BAQE/1,5		6,6				6,4	6,3	6,2	6	5,6	5	4,5	4,3	3,7	3			
CM-G 100-865/A/BAQE/2,2		8,6				8,5	8,5	8,3	8,2	7,7	7,2	6,7	6,3	5,7	4,9	4,6		
CM-G 100-1020/A/BAQE/3		10,2				10,2	10,1	10	9,9	9,7	9,3	8,8	8,6	7,9	7,2	6,7		
CM-G 100-1320/A/BAQE/4		13,2						13,2	13,2	12,9	12,4	11,7	11,3	10,4	9,3	8,7		
CM-G 100-1650/A/BAQE/5,5		16,5						16,6	16,5	16,2	16	15,4	15	14,3	13,3	12,7		
CM-G 100-2050/A/BAQE/7,5		20,5						21	21	20,7	20	19,5	19	18	16,7	16		
CM-G 100-2550/A/BAQE/11		25,5						25,5	25,5	25,1	25	24,2	24	23	21,5	21		
CM-G 100-3290/A/BAQE/15		32,9								33	32,8	32	31,6	30,5	29,5	28,9	24	
CM-G 100-3680/A/BAQE/18,5		36,8								37	36,8	36,5	36,1	35,5	34,5	34	29,5	
CM-G 100-4100/A/BAQE/22		41								41,4	41	40,6	40,5	39,8	39	38,5	34,8	29

SELECTION TABLE - CM / CM-G - 4 POLES

MODEL	Q=m³/h	0	60	72	84	90	102	114	120	150	180	210
	Q=l/min	0	1000	1200	1400	1500	1700	1900	2000	2500	3000	3500
CM-G 125-1075/A/BAQE/4	H (m)	10,8	10,1	10	9,7	9,5	9,1	8,5	8,3	7	5,4	
CM-G 125-1270/A/BAQE/5,5		12,7	12,6	12,5	12,4	12,3	12	11,5	11,4	10,1	8,5	
CM-G 125-1560/A/BAQE/7,5		15,6	15,4	15,3	15,1	15	14,7	14,5	14,3	13,3	11,6	9,8
CM-G 125-2100/A/BAQE/11		21	21,5	21,5	21,2	21	20,9	20	19,8	18	16	
CM-G 125-2550/A/BAQE/15		25,5	25,5	25,5	25,1	25,1	25	24,5	24	22,5	20,5	17,5
CM-G 125-3200/A/BAQE/18,5		32			31,5	31,4	31	30,5	28,8	26	23	
CM-G 125-3600/A/BAQE/22		36			35,5	35,2	35	34,6	33,2	31	28	24
CM-G 125-4022/A/BAQE/30		40,2			39,7	39,3	39,1	38,7	37,1	34,6	31,3	26,8

MODEL	Q=m³/h	0	84	90	102	114	120	150	180	210	250	300	360	390	420
	Q=l/min	0	1400	1500	1700	1900	2000	2500	3000	3500	4167	5000	6000	6500	7000
CM-G 150-955/A/BAQE/5,5	H (m)	9,6		9,6	9,5	9,4	9,3	8,7	7,8	6,7	5,5				
CM-G 150-1322/A/BAQE/7,5		13,2		13	12,8	12,6	12,5	11,9	11,1	10,1	8,5				
CM-G 150-1600/A/BAQE/11		16			15,5	15,5	15,4	14,8	14	13	11	9,2			
CM-G 150-1950/A/BAQE/15		19,5			19,5	19,4	19,3	19,2	18,7	17,8	16	14,1	10,9		
CM-G 150-2200/A/BAQE/18,5		22			22	21,9	21,8	21,7	21,4	20,5	19	17,2	14	12	
CM-G 150-2405/A/BAQE/22		24,1			23,9	23,9	23,8	23,6	23,2	22,7	21,8	20,2	17,5	15,6	14

SELECTION TABLE - DCM - 4 POLES

MODEL	Q=m³/h	1,8	2,4	3,0	4,5	6	9	10,5	12	13,5	15	18
	Q=l/min	30	40	50	75	100	150	175	200	225	250	300
DCM 40/380 T	H (m)	3,8	3,7	3,6	3,15	2,6						
DCM 40/460 T			4,6	4,5	4,1	3,6	2,2					
DCM 40/620 T				6,2	6	5,8	4,5	3,9	3			

SELECTION TABLE - DCM / DCM-G - 4 POLES

MODEL	Q=m³/h	1,8	2,4	3,0	4,5	6	9	10,5	12	13,5	15	18
	Q=l/min	30	40	50	75	100	150	175	200	225	250	300
DCM 50/460 T	H (m)					4,6	4,3	4,1	3,9	3,6	3,3	2,4
DCM 50/630 T						6,3	6,1	6	5,8	5,5	5,2	4,6
DCM 50/880 T						8,8	8,3	8	7,7	7,3	6,9	5,9

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48	54
	Q=l/min	0	100	200	300	400	500	600	700	800	900
DCM-G 65-420/A/BAQE/0,25	H (m)	4,2	4,1	2,8	1,5	0,9					
DCM-G 65-540/A/BAQE/0,37		5,4	5,0	4,5	3,2	2,0					
DCM-G 65-660/A/BAQE/0,55		6,5	6,4	5,9	4,4	3,1					
DCM-G 65-760/A/BAQE/0,55		7,5	7,6	7,3	5,4	4,0					
DCM-G 65-920/A/BAQE/0,75		9,1	9,1	8,8	7,4	5,8	3,5				
DCM-G 65-1080/A/BAQE/1,1		10,8		10,7	10,4	9,7	8,8	7,7	6,2		
DCM-G 65-1200/A/BAQE/1,5		12,0		11,9	11,6	11,0	10,0	9,0	7,6		
DCM-G 65-1530/A/BAQE/2,2		15,3		15,2	15,0	14,4	13,4	12,5	11,0	9,5	
DCM-G 65-1680/A/BAQE/3		16,8		16,7	16,3	15,7	14,9	13,7	12,4	11,0	9,3
DCM-G 65-2380/A/BAQE/4		23,8		23,9	23,5	22,8	21,8	20,3	18,6	16,8	14,5

MODEL	Q=m³/h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
	Q=l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
DCM-G 80-550/A/BAQE/0,55	H (m)	5,5	5,1	4,7	4,1	3,4	2,6	1,9	1,1									
DCM-G 80-650/A/BAQE/0,75		6,5	6,2	5,8	5,2	4,5	3,7	2,9	2,1									
DCM-G 80-740/A/BAQE/1,1		7,1			6,8	6,3	5,9	5,1	4,3	3,5	2,5							
DCM-G 80-890/A/BAQE/1,5		8,5			8,3	8,0	7,5	6,8	6,1	5,3	4,4	3,5						
DCM-G 80-1050/A/BAQE/2,2		10,1			10,1	9,9	9,5	9,0	8,4	7,7	6,9			3,8				
DCM-G 80-1530/A/BAQE/3		14,4			14,1	13,7	13,0	12,2	11,3	10,2	9,2	8,0	6,8					
DCM-G 80-1700/A/BAQE/4		16,0			15,7	15,5	15,3	14,6	14,0	13,2	12,3	11,2	10,0	8,9	7,7			
DCM-G 80-2410/A/BAQE/5,5		24,1					23,3	22,7	22,0	21,1	20,2	18,9	17,6	16,2				
DCM-G 80-2700/A/BAQE/7,5		27,0					26,1	26,1	25,5	24,9	24,2	23,2	22,1	20,7	19,3	17,9		
DCM-G 80-3420/A/BAQE/11		34,2					33,3	33,3	32,9	32,3	31,8	30,9	29,9	29,0	27,8	24,4	22,0	20,8

SELECTION TABLE - DCM-G - 4 POLES

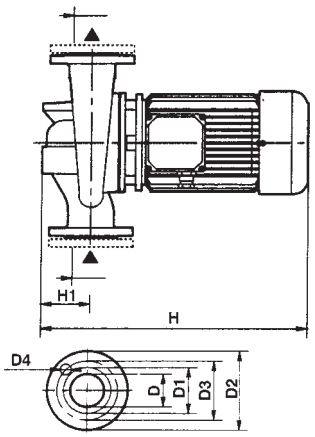
MODEL	Q=m³/h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180
	Q=l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000
DCM-G 100-510/A/BAQE/0,75	H (m)	4,9	4,8	4,7	4,6	4,5	4,0	3,7	3,2	2,6	2,1										
DCM-G 100-650/A/BAQE/1,1		6,3	6,3	6,3	6,1	5,9	5,5	5,1	4,6	4,0	3,3										
DCM-G 100-660/A/BAQE/1,5		6,6				6,4	6,2	6,0	5,8	5,6	5,3	4,9	4,5	4,1	3,7	3,4	2,6	1,8			
DCM-G 100-865/A/BAQE/2,2		8,6				8,5	8,4	8,1	8,0	7,7	7,4	7,0	6,6	6,1	5,7	5,2	4,2	3,2	2,8		
DCM-G 100-1020/A/BAQE/3		10,2				10,2	10,0	9,8	9,6	9,5	9,3	8,9	8,5	8,0	7,5	7,1	5,9	4,7	4,0		
DCM-G 100-1320/A/BAQE/4		13,2						13,2	13,1	13,0	12,8	12,4	11,9	11,3	10,8	10,2	8,8	7,4	6,6		
DCM-G 100-1650/A/BAQE/5,5		16,5						16,5	16,4	16,3	16,0	15,8	15,5	14,9	14,4	13,7	12,4	10,8	10,0		
DCM-G 100-2050/A/BAQE/7,5		19,3								19,2	18,8	18,5	17,9	17,6	17,2	16,6	15,5	14,1	13,3		
DCM-G 100-2550/A/BAQE/11		24,0								23,3	22,8	22,6	22,4	21,9	21,4	21,0	19,8	18,1	17,5		
DCM-G 100-3290/A/BAQE/15		30,9								30,5	30,3	30,1	29,9	29,4	28,8	28,3	27,0	25,8	25,1	20,0	
DCM-G 100-3680/A/BAQE/18,5		34,6								34,2	34,0	33,7	33,5	33,1	32,9	32,4	31,5	30,2	29,5	24,5	
DCM-G 100-4100/A/BAQE/22		41,0								41,4	41,4	41,2	41,0	40,8	40,6	40,5	39,8	39,0	38,5	34,8	29,0

MODEL	Q=m³/h	0	60	66	72	78	84	90	102	114	120	150	180	210
	Q=l/min	0	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
DCM-G 125-1075/A/BAQE/4	H (m)	10,0	9,5	9,4	9,2	9,0	8,7	8,4	7,7	6,8	6,5	4,4	2,4	
DCM-G 125-1270/A/BAQE/5,5		11,7	11,8	11,7	11,5	11,4	11,1	10,8	10,2	9,2	8,9	6,4	3,8	
DCM-G 125-1560/A/BAQE/7,5		14,4	14,6	14,6	14,4	14,2	14,0	13,8	13,2	12,7	12,3	10,2	7,5	4,9
DCM-G 125-2100/A/BAQE/11		20,1					19,9	19,6	19,3	18,2	17,8	15,4	12,7	
DCM-G 125-2550/A/BAQE/15		24,5					23,8	23,7	23,4	22,7	22,1	20,0	17,4	13,9
DCM-G 125-3200/A/BAQE/18,5		30,7					29,6	29,3	28,6	27,7	25,9	22,2	18,3	
DCM-G 125-3600/A/BAQE/22		34,5					33,7	33,3	32,8	32,1	30,6	27,6	23,7	19,1
DCM-G 125-4022/A/BAQE/30		39,0					38,9	38,5	37,6	36,6	36,1	33,2	29,5	24,7

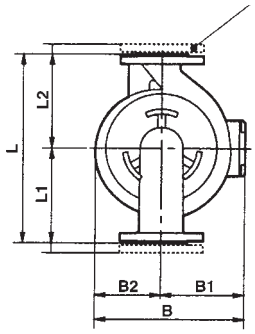
MODEL	Q=m³/h	0	90	102	114	120	150	180	210	240	250	270	300	330	360	390	420
	Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000	4167	4500	5000	5500	6000	6500	7000
DCM-G 150-955/A/BAQE/5,5	H (m)	9,6				8,1	7,0	6,2	4,9	3,5	2,8						
DCM-G 150-1322/A/BAQE/7,5		11,8	11,5	11,5	11,4	11,0	10,0	8,5	7,2	6,0	5,5						
DCM-G 150-1600/A/BAQE/11		14,8		14,2	14,2	14,0	13,4	12,5	11,4	10,1	9,4	8,8	7,5				
DCM-G 150-1950/A/BAQE/15		18,1		17,9	17,8	17,7	17,5	16,9	15,9	14,8	14,0	13,5	12,0	10,5	8,9		
DCM-G 150-2200/A/BAQE/18,5		20,2		20,7	20,6	20,4	20,2	19,7	18,5	17,3	16,6	15,0	14,2	12,2	10,5	8,5	
DCM-G 150-2405/A/BAQE/22		22,5		22,2	22,0	21,9	21,4	21,0	20,0	19,0	18,5	17,8	16,0	14,0	12,0	9,7	

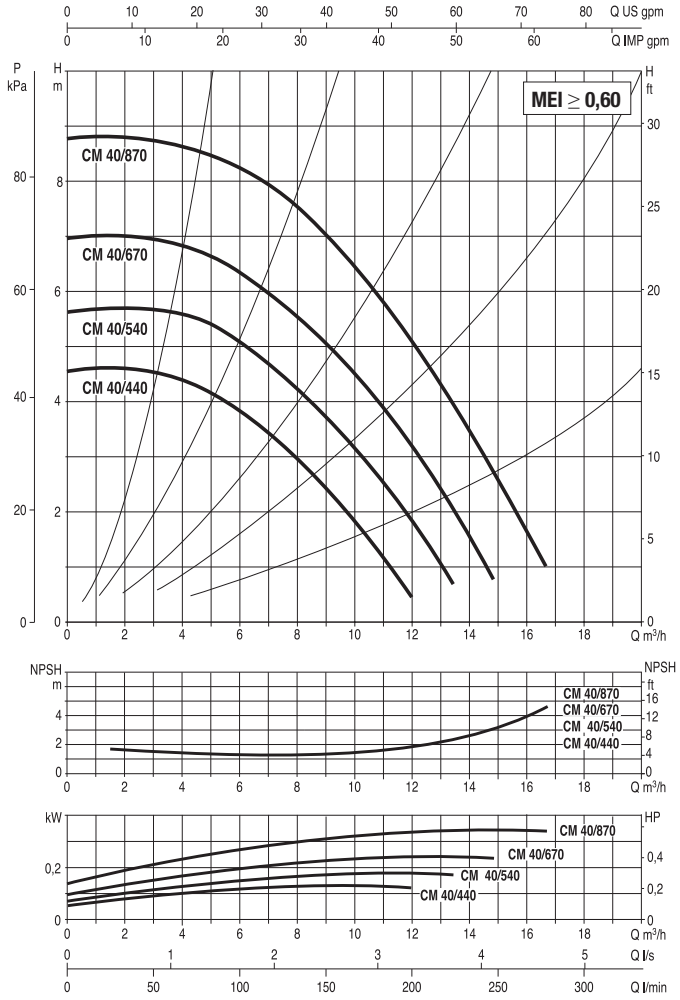
CM 40 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





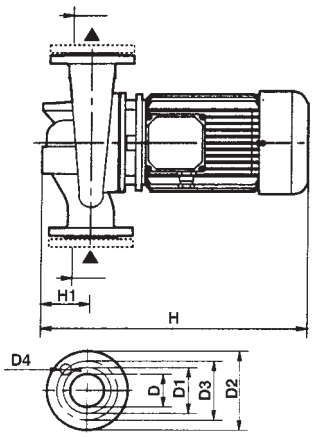
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								–		IE2		
						kW	HP	230	400	230	400	
CM 40-440 T	390	DN 40	3 x 230 - 400 V ~	1480	0,28	0,75	1,00	–	–	1,8	1,0	IE2
CM 40-540 T	390	DN 40	3 x 230 - 400 V ~	1480	0,33	0,75	1,00	–	–	1,8	1,0	IE2
CM 40-670 T	390	DN 40	3 x 230 - 400 V ~	1480	0,39	0,75	1,00	–	–	1,8	1,1	IE2
CM 40-870 T	390	DN 40	3 x 230 - 400 V ~	1480	0,51	0,75	1,00	–	–	1,9	1,1	IE2

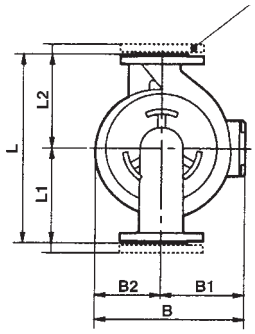
MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							-	IE2							L/A	L/B	H		-	IE2
CM 40/440 T	390	200	190	231	118	113	–	453	95	40 PN 16	88	150	110	4 Ø 18	680	330	580	0,13	–	41
CM 40/540 T	390	200	190	231	118	113	–	453	95	40 PN 16	88	150	110		680	330	580	0,13	–	41
CM 40/670 T	390	200	190	231	118	113	–	453	95	40 PN 16	88	150	110		680	330	580	0,13	–	41
CM 40/870 T	390	200	190	231	118	113	–	453	95	40 PN 16	88	150	110		680	330	580	0,13	–	41

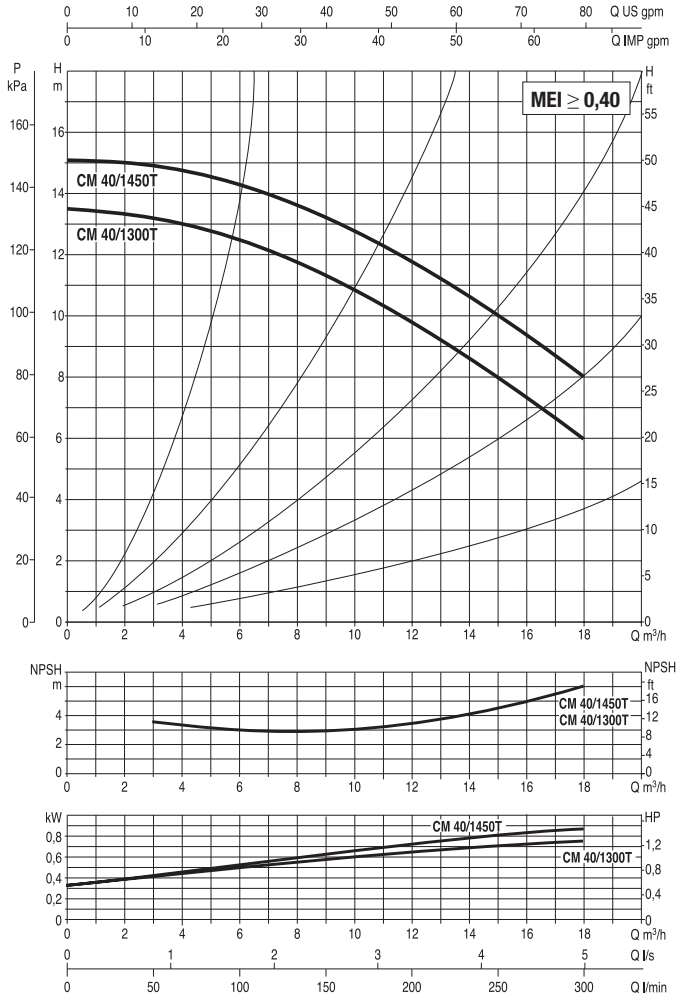
CM 40 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





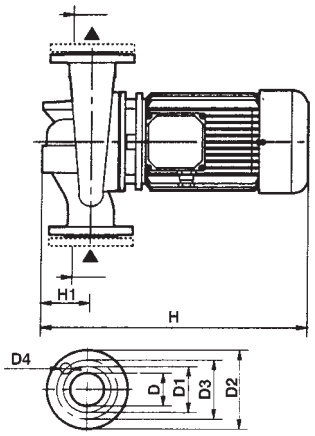
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								–		IE2		
						kW	HP	230	400	230	400	
CM 40-1300 T	380	DN 40	3 x 230 - 400 V ~	1450	1,1	0,75	1,00	–	–	3,3	1,9	IE2
CM 40-1450 T	380	DN 40	3 x 230 - 400 V ~	1450	1,2	1,10	1,50	–	–	4,3	2,5	IE2

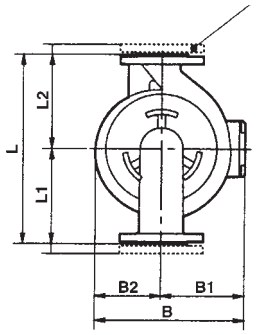
MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							–	IE2							L/A	L/B	H		–	IE2
CM 40/1300 T	380	200	180	245	118	127	–	445	100	40 PN 6	88	150	110	4 Ø 18	450	270	465	0,4	–	30
CM 40/1450 T	380	200	180	245	118	127	–	445	100	40 PN 6	88	150	110		450	270	465	0,4	–	31

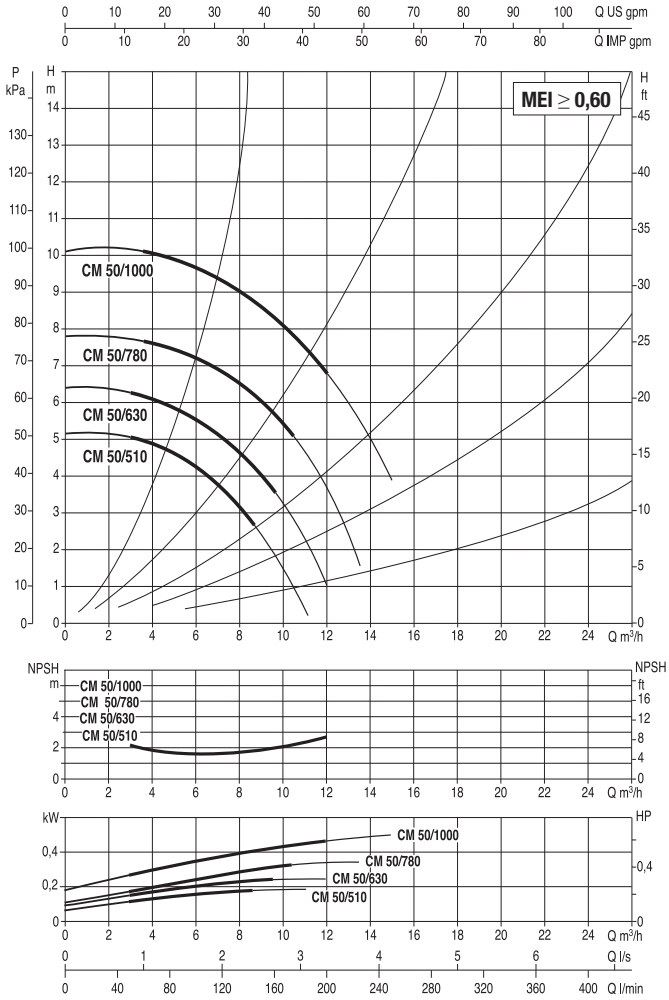
CM 50 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





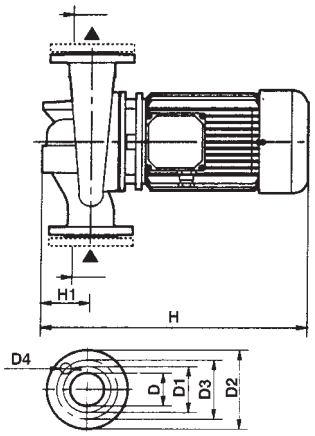
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								–		IE2		
						kW	HP	230	400	230	400	
CM 50-510 T	425	DN 50	3 x 230 - 400 V ~	1480	0,35	0,75	1,00	–	–	1,8	1,0	IE2
CM 50-630 T	425	DN 50	3 x 230 - 400 V ~	1480	0,5	0,75	1,00	–	–	1,9	1,1	IE2
CM 50-780 T	425	DN 50	3 x 230 - 400 V ~	1470	0,5	0,75	1,00	–	–	1,9	1,1	IE2
CM 50-1000 T	425	DN 50	3 x 230 - 400 V ~	1470	0,64	0,75	1,00	–	–	2,1	1,2	IE2

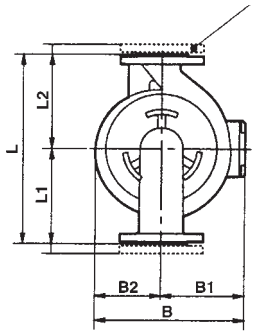
MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							–	IE2							L/A	L/B	H		–	IE2
CM 50/510 T	425	225	200	233	120	113	–	463	105	50 PN 16	102	165	125	4 Ø 18	680	330	580	0,13	–	46,6
CM 50/630 T	425	225	200	233	120	113	–	463	105	50 PN 16	102	165	125		680	330	580	0,13	–	46,6
CM 50/780 T	425	225	200	233	120	113	–	463	105	50 PN 16	102	165	125		680	330	580	0,13	–	46,6
CM 50/1000 T	425	225	200	233	120	113	–	463	105	50 PN 16	102	165	125		680	330	580	0,13	–	46,6

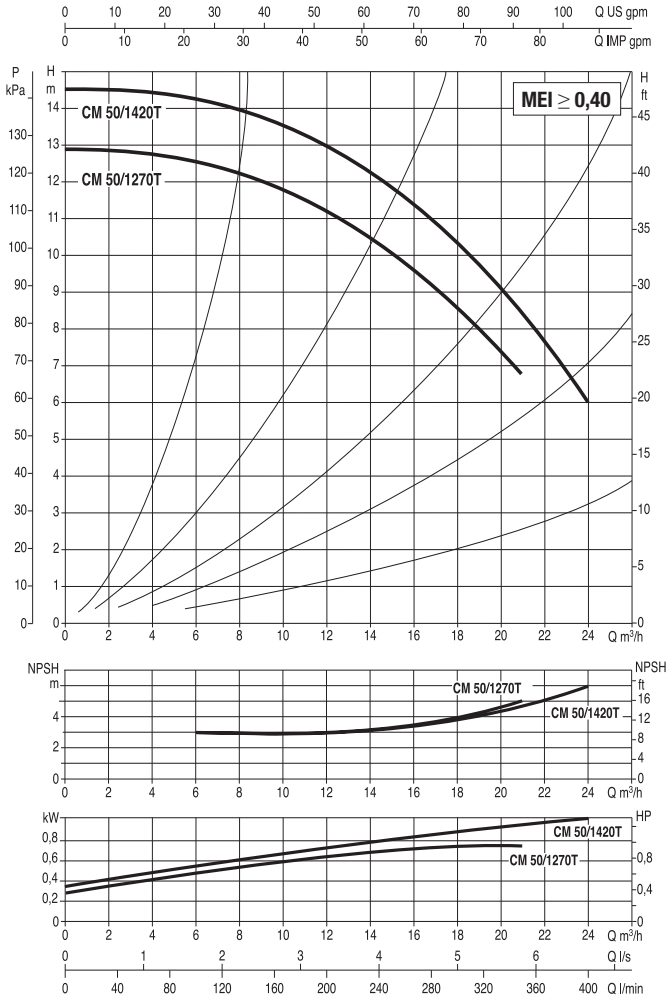
CM 50 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





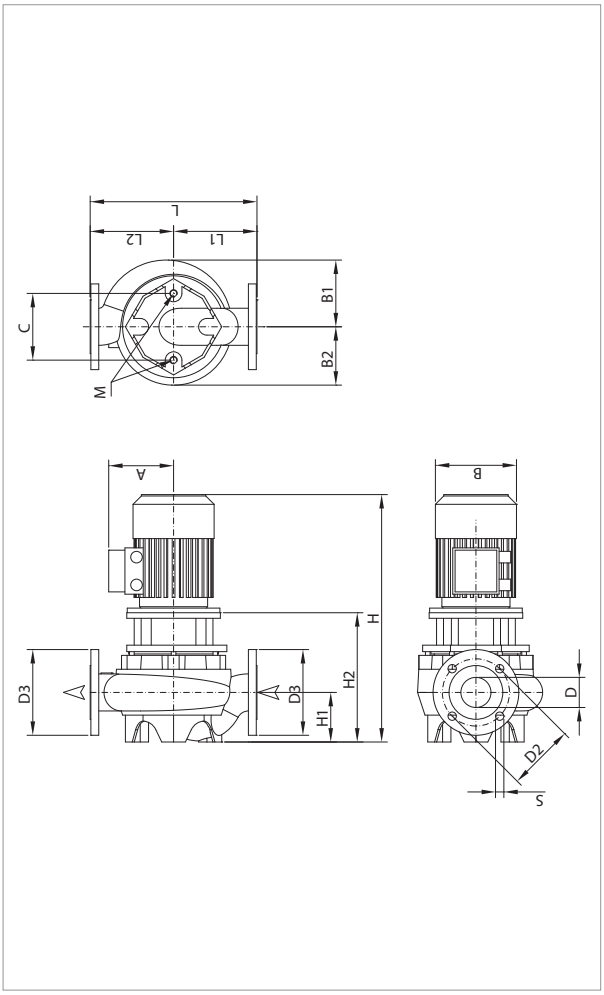
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

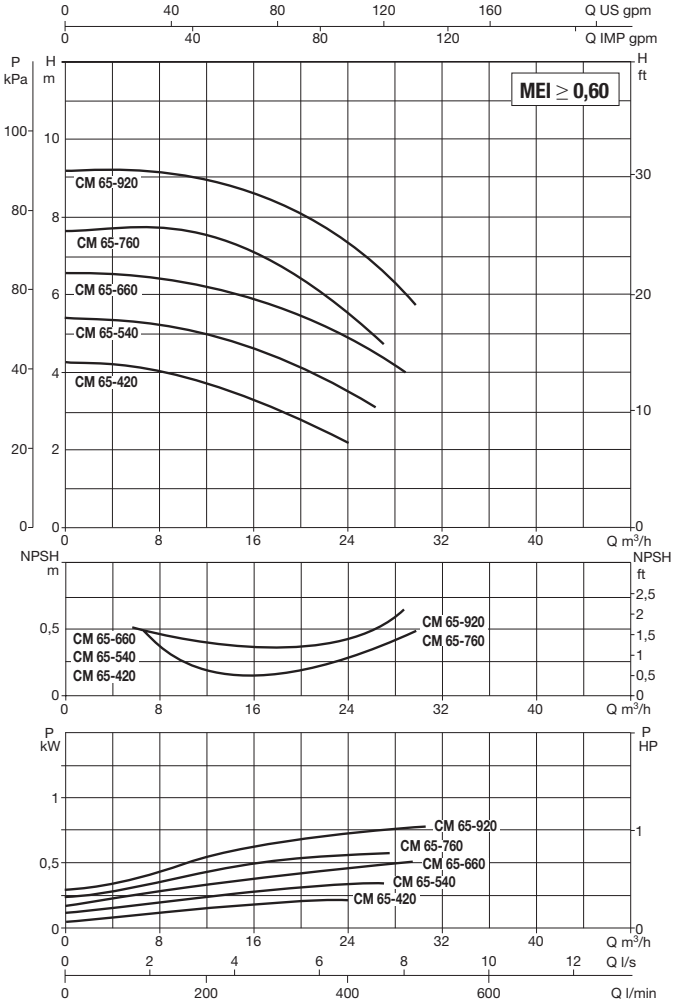
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								–		IE2		
						kW	HP	230	400	230	400	
CM 50-1270 T	400	DN 50	3 x 230 - 400 V ~	1450	1,4	1,10	1,50	–	–	4,3	2,5	IE2
CM 50-1420 T	400	DN 50	3 x 230 - 400 V ~	1450	1,4	1,10	1,50	–	–	4,3	2,5	IE2

MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							–	IE2							L/A	L/B	H		–	IE2
CM 50/1270 T	400	220	180	280	149	131	–	495	110	50 PN 10	102	165	125	4 Ø 18	520	320	535	0,6	–	36
CM 50/1420 T	400	220	180	280	149	131	–	495	110	50 PN 10	102	165	125		520	320	535	0,6	–	36

CM-G 65 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





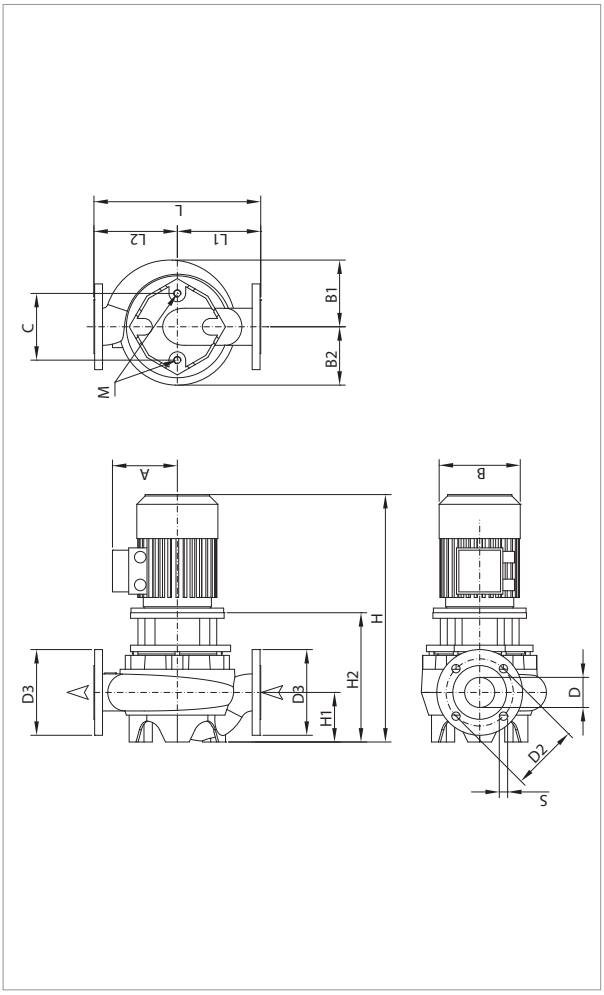
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

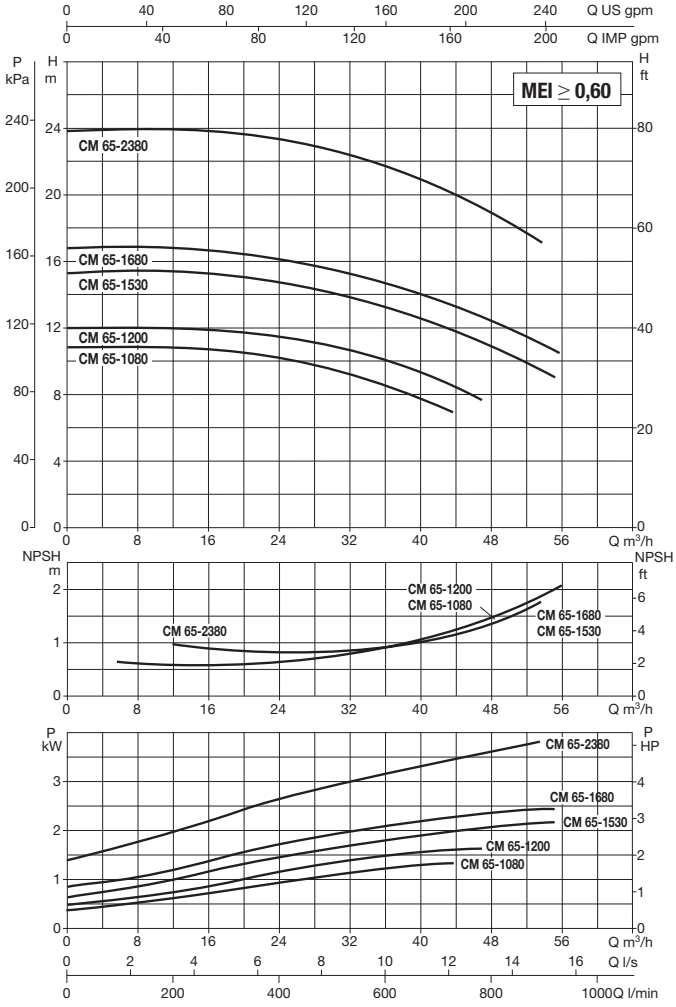
MODEL	CENTRE DISTANCE	PUMP CONNEC-TIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
CM-G 65-420/A/BAQE/0,25	360	DN 65	3 x 230 - 400 V ~	1400	0,4	0,25	0,33	1,6	0,9	–	–	–	MEC 71	4.6/2.6	–
CM-G 65-540/A/BAQE/0,37	360	DN 65	3 x 230 - 400 V ~	1380	0,6	0,37	0,50	1,7	0,98	–	–	–	MEC 71	8.1/4.6	–
CM-G 65-660/A/BAQE/0,55	360	DN 65	3 x 230 - 400 V ~	1400	0,8	0,55	0,75	2,6	1,5	–	–	–	MEC 80M	13.9/8	–
CM-G 65-760/A/BAQE/0,55	360	DN 65	3 x 230 - 400 V ~	1390	0,8	0,55	0,75	2,6	1,5	–	–	–	MEC 80M	13.9/8	–
CM-G 65-920/A/BAQE/0,75	360	DN 65	3 x 230 - 400 V ~	1430	1,2	0,75	1,00	–	–	3,57	2,06	IE2	MEC 80M	–	23.7/13.7

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	–	IE2									–	IE2							L/A	L/B	H		–	IE2
CM-G 65-420/A/BAQE/0,25	124	–	144	126	144	65	145	185	18	4	479	–	107	254	360	180	180	M16	689	426	834	0,245	55	–
CM-G 65-540/A/BAQE/0,37	124	–	144	126	144	65	145	185	18		479	–	107	254	360	180	180	M16	689	426	834	0,245	55	–
CM-G 65-660/A/BAQE/0,55	140	–	144	126	144	65	145	185	18		534	–	107	279	360	180	180	M16	689	426	834	0,245	65	–
CM-G 65-760/A/BAQE/0,55	140	–	144	126	144	65	145	185	18		534	–	107	279	360	180	180	M16	689	426	834	0,245	73	–
CM-G 65-920/A/BAQE/0,75	–	140	144	126	144	65	145	185	18		–	534	107	279	360	180	180	M16	689	426	834	0,245	–	73

CM-G 65 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

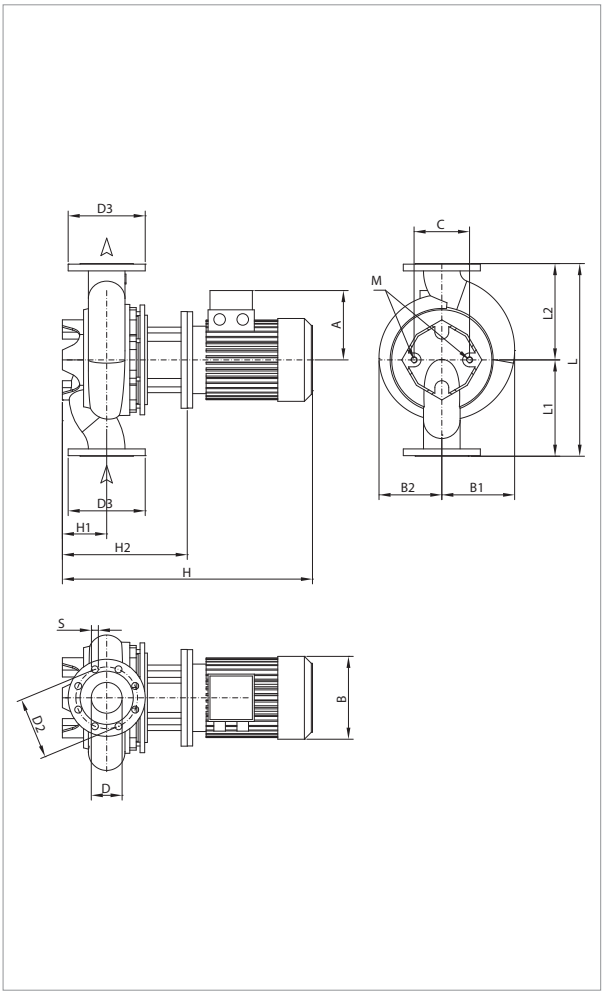
MODEL	CENTRE DISTANCE	PUMP CONNEC-TIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
CM-G 65-1080/A/BAQE/1,1	475	DN 65	3 x 230 - 400 V ~	1435	1,6	1,10	1,50	–	–	4,7	2,7	IE2	MEC 90S	–	34/19.6
CM-G 65-1200/A/BAQE/1,5	475	DN 65	3 x 230 - 400 V ~	1430	2,0	1,50	2,00	–	–	6,2	3,6	IE2	MEC 90L	–	41.6/24
CM-G 65-1530/A/BAQE/2,2	475	DN 65	3 x 230 - 400 V ~	1455	2,9	2,20	3,00	–	–	8,7	5,0	IE2	MEC 100L	–	73.5/42.4
CM-G 65-1680/A/BAQE/3	475	DN 65	3 x 400 V ~ [1]	1448	2,7	3,00	4,00		–		6,2	IE2	MEC 100L	–	43,2
CM-G 65-2380/A/BAQE/4	475	DN 65	3 x 400 V ~ [1]	1449	4,3	4,00	5,50		–		7,9	IE2	MEC 112M	–	69,3

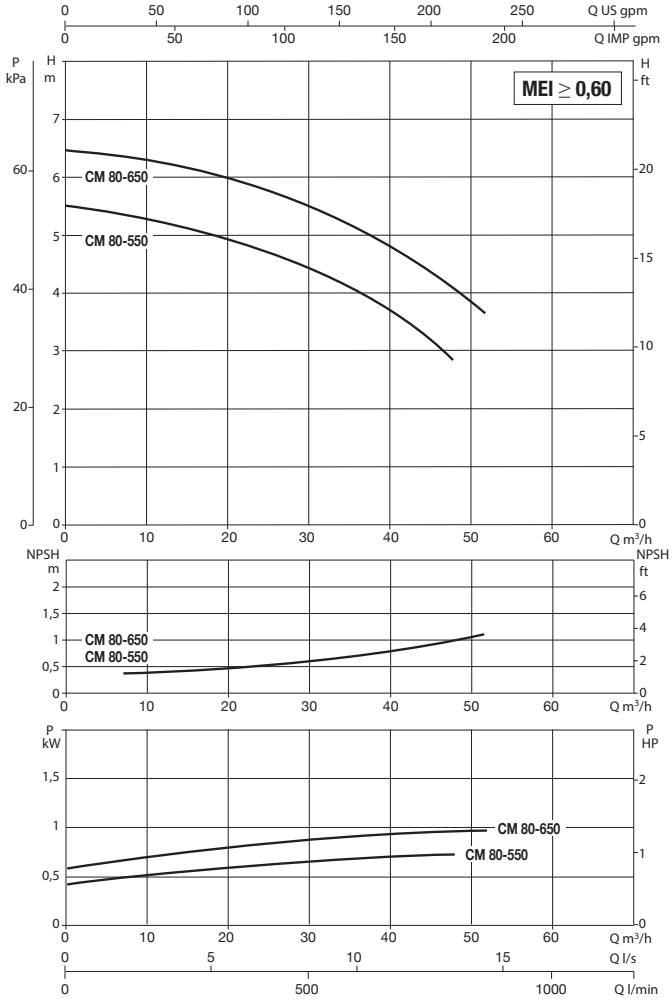
[1] star start-up possible (λ)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	–	IE2									–	IE2							L/A	L/B	H		–	IE2
CM-G 65-1080/A/BAQE/1,1	–	160	180	164	144	65	145	185	18		–	586	125	291	475	237,5	237,5	M16	689	426	834	0,245	–	87
CM-G 65-1200/A/BAQE/1,5	–	160	180	164	144	65	145	185	18		–	626	125	291	475	237,5	237,5	M16	689	426	834	0,245	–	85
CM-G 65-1530/A/BAQE/2,2	–	180	180	164	144	65	145	185	18	4	–	644	125	319	475	237,5	237,5	M16	689	426	834	0,245	–	96
CM-G 65-1680/A/BAQE/3	–	180	180	164	144	65	145	185	18		–	644	125	319	475	237,5	237,5	M16	689	426	834	0,245	–	88
CM-G 65-2380/A/BAQE/4	–	190	180	164	144	65	145	185	18		–	729	125	319	475	237,5	237,5	M16	689	426	1084	0,318	–	111

CM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





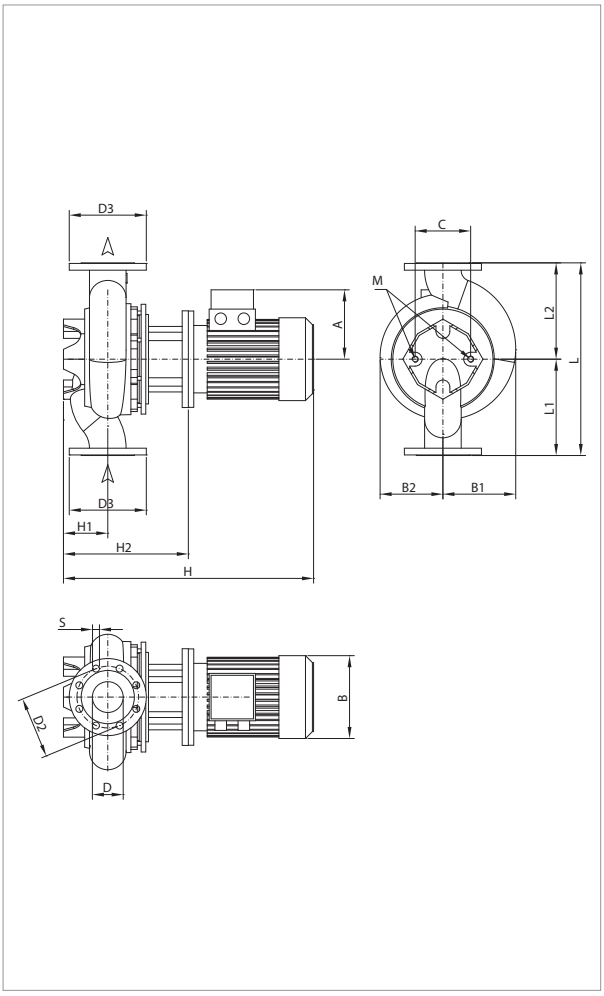
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

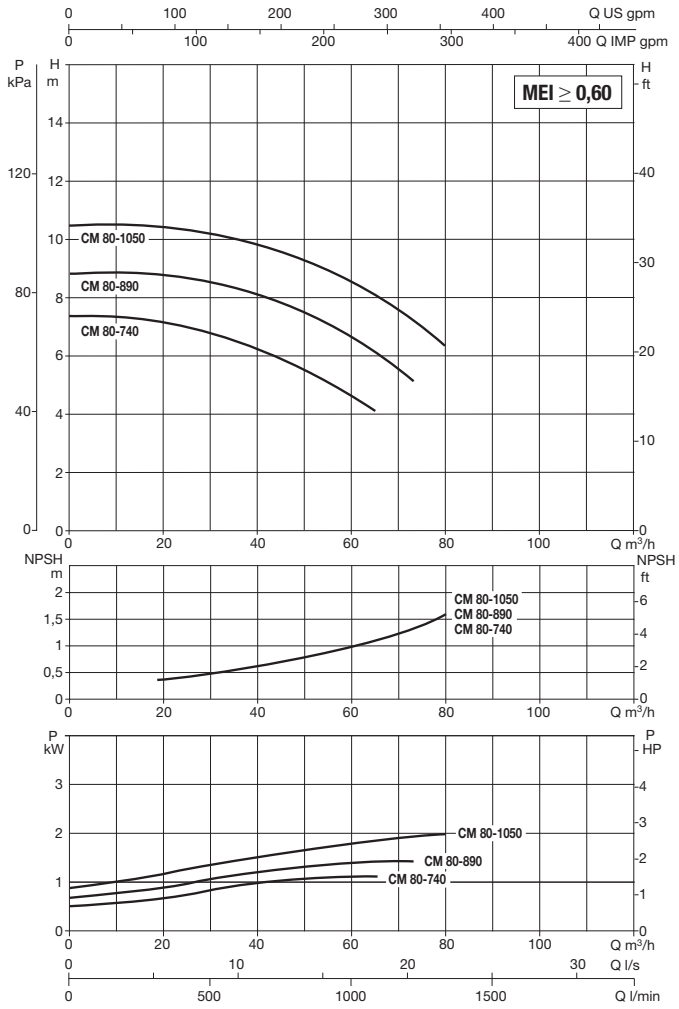
MODEL	CENTRE DISTANCE	PUMP CONNEC-TIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
CM-G 80-550/A/BAQE/0,55	360	DN 80	3 x 230 - 400 V ~	1390	0,8	0,55	0,8	2,6	1,5	–	–	–	MEC 80M	13.9/8	–
CM-G 80-650/A/BAQE/0,75	360	DN 80	3 x 230 - 400 V ~	1430	1,2	0,75	1,0	–	–	3,6	2,1	IE2	MEC 80M	–	23.7/13.7

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	–	IE2									–	IE2							L/A	L/B	H		–	IE2
CM-G 80-550/A/BAQE/0,55	140	–	135	118	144	80	160	200	18	8	536	–	105	281	360	180	180	M16	689	426	834	0,245	67	–
CM-G 80-650/A/BAQE/0,75	–	140	135	118	144	80	160	200	18		–	536	105	281	360	180	180	M16	689	426	834	0,245	–	67

CM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





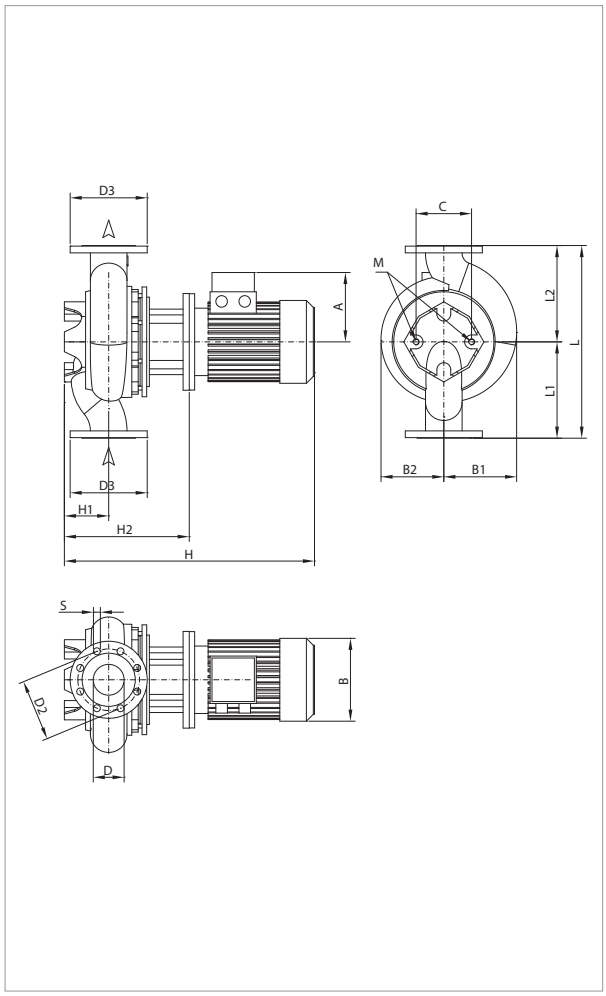
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

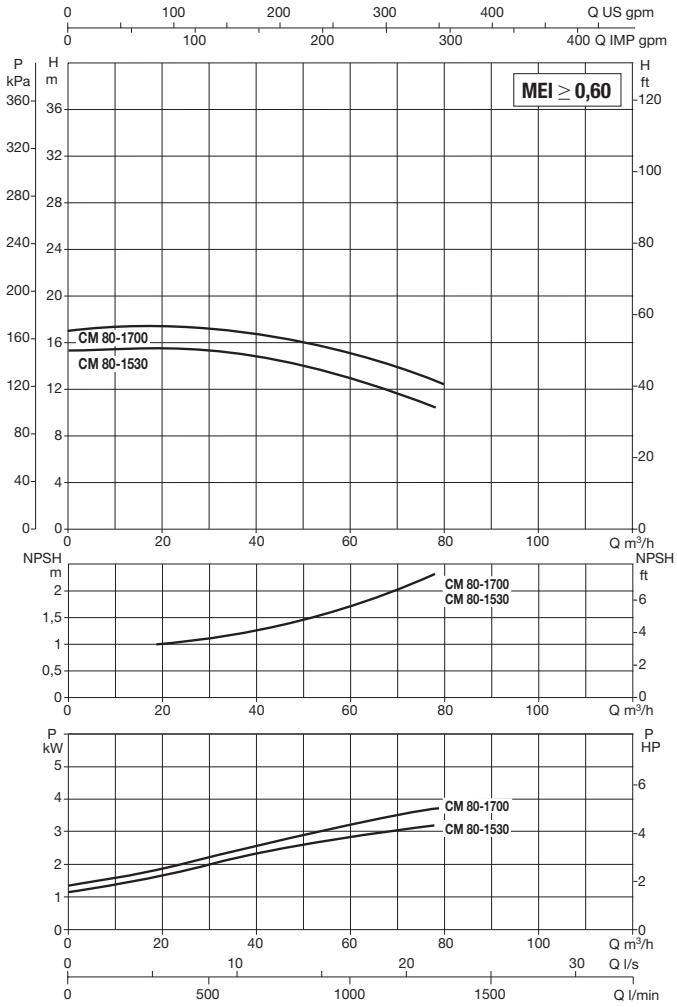
MODEL	CENTRE DISTANCE	PUMP CONNEC-TIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
CM-G 80-740/A/BAQE/1,1	440	DN 80	3 x 230 - 400 V ~	1439	1,5	1,10	1,5	–	–	4,7	2,7	IE2	MEC 90S	–	34/19.6
CM-G 80-890/A/BAQE/1,5	440	DN 80	3 x 230 - 400 V ~	1430	2,0	1,50	2,0	–	–	6,2	3,6	IE2	MEC 90L	–	41.6/24
CM-G 80-1050/A/BAQE/2,2	440	DN 80	3 x 230 - 400 V ~	1450	2,4	2,20	3,0	–	–	8,7	5,0	IE2	MEC 100L	–	73.5/42.4

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	–	IE2									–	IE2							L/A	L/B	H		–	IE2
CM-G 80-740/A/BAQE/1,1	–	160	178	145	144	80	160	200	18	8	–	586	115	291	440	220	220	M16	689	426	834	0,245	–	78
CM-G 80-890/A/BAQE/1,5	–	160	178	145	144	80	160	200	18		–	626	115	291	440	220	220	M16	689	426	834	0,245	–	81
CM-G 80-1050/A/BAQE/2,2	–	180	178	145	144	80	160	200	18		–	644	115	319	440	220	220	M16	689	426	834	0,245	–	90

CM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

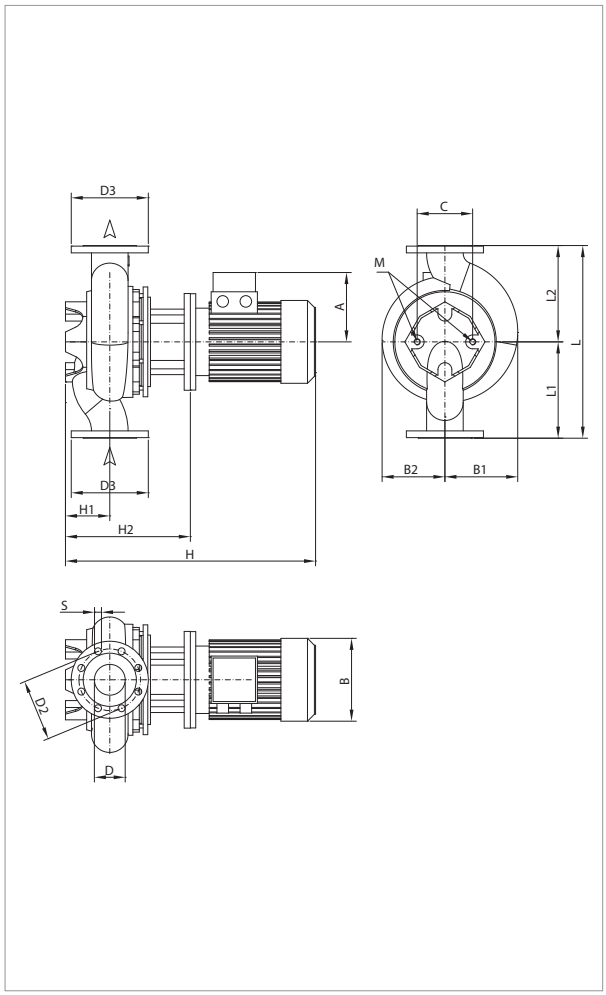
MODEL	CENTRE DISTANCE	PUMP CONNEC-TIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								–	IE2			–	IE2
						kW	HP	400					
CM-G 80-1530/A/BAQE/3	500	DN 80	3 x 400 V ~ [1]	1441	3,6	3,00	4,0	–	6,2	IE2	MEC 100L	–	43,2
CM-G 80-1700/A/BAQE/4	500	DN 80	3 x 400 V ~ [1]	1452	3,9	4,00	5,5	–	7,9	IE2	MEC 112M	–	69,3

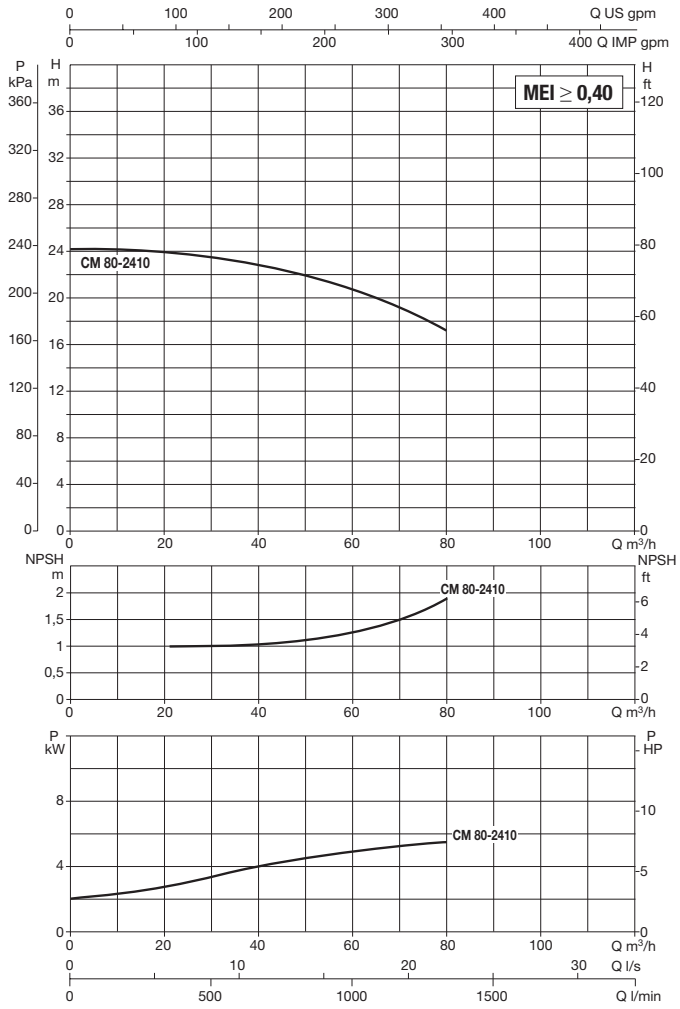
[1] star start-up possible (⅄)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	–	IE2									–	IE2							L/A	L/B	H		–	IE2
CM-G 80-1530/A/BAQE/3	–	180	189	164	144	80	160	200	18	8	–	644	115	319	500	250	250	M16	689	426	834	0,245	–	97
CM-G 80-1700/A/BAQE/4	–	190	189	164	144	80	160	200	18		–	729	115	319	500	250	250	M16	739	626	1107	0,512	–	117

CM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

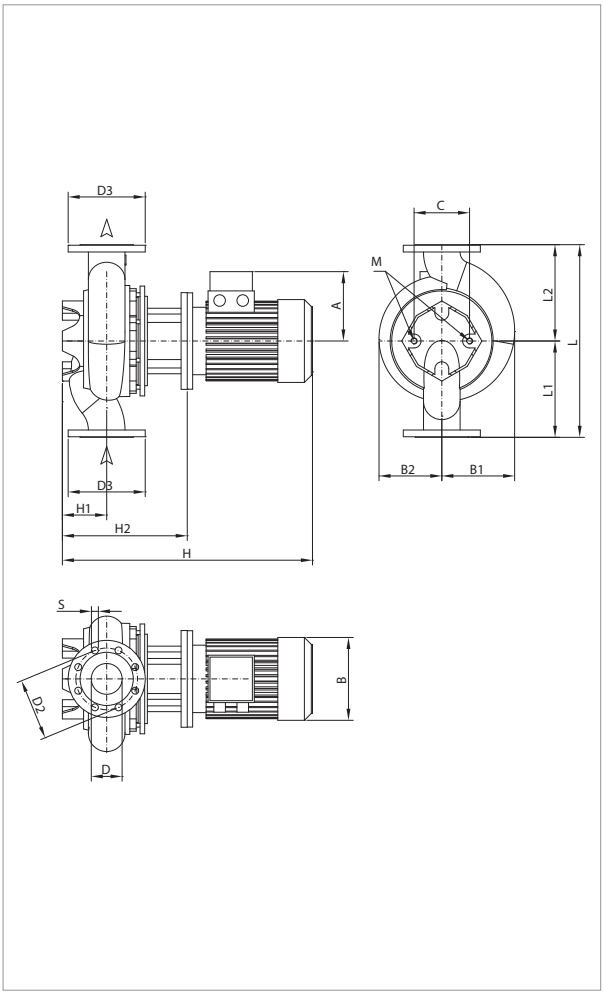
MODEL	CENTRE DISTANCE	PUMP CONNEC-TIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								–	IE2			–	IE2
						kW	HP	400					
CM-G 80-2410/A/BAQE/5,5	620	DN 80	3 x 400 V ~ [1]	1461	6,5	5,50	7,5	–	10,6	IE2	MEC 132S	–	84,5

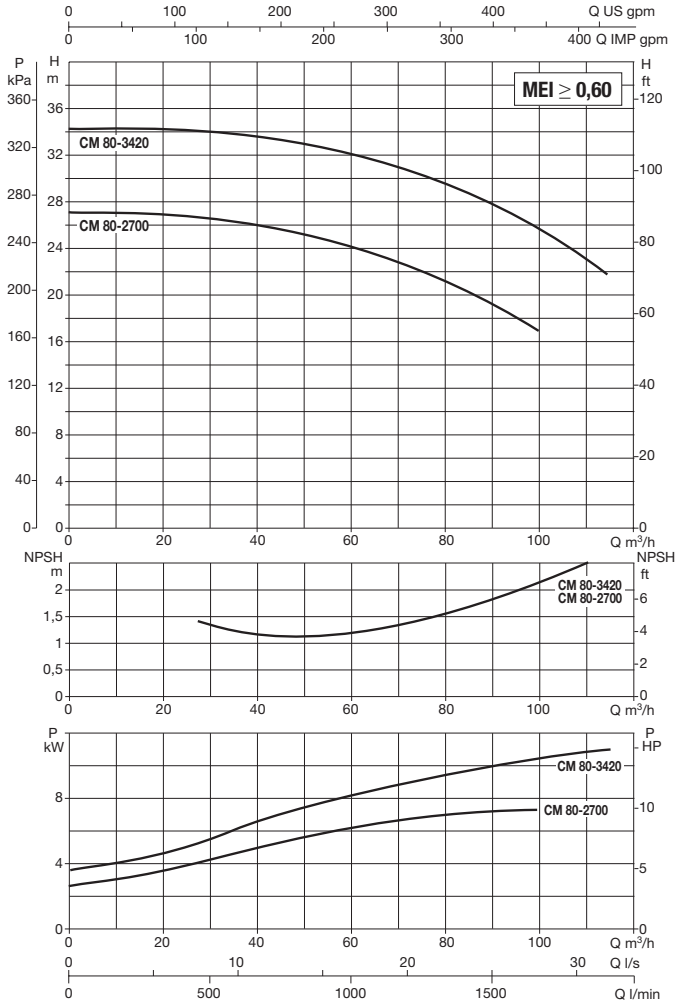
[1] star start-up possible (λ)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	–	IE2									–	IE2							L/A	L/B	H		–	IE2
CM-G 80-2410/A/BAQE/5,5	–	210	245	224	230	80	160	200	18	8	–	803	140	413	620	310	310	M16	739	626	1107	0,512	–	198

CM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

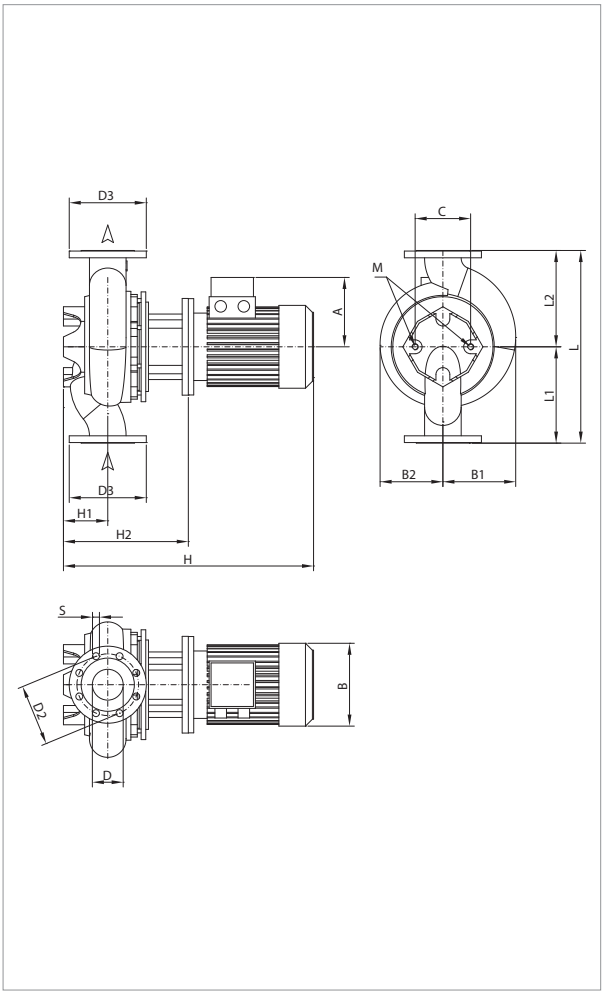
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CM-G 80-2700/A/BAQE/7,5	620	DN 80	3 x 400 V ~ [1]	1463	8,7	7,50	10,0	14,2	14,6	IE2 / IE3	MEC 132M	124	124,1
CM-G 80-3420/A/BAQE/11	620	DN 80	3 x 400 V ~ [1]	1472	12,7	11,00	15,0	21,6	20,5	IE2 / IE3	MEC 160M	180	172,2

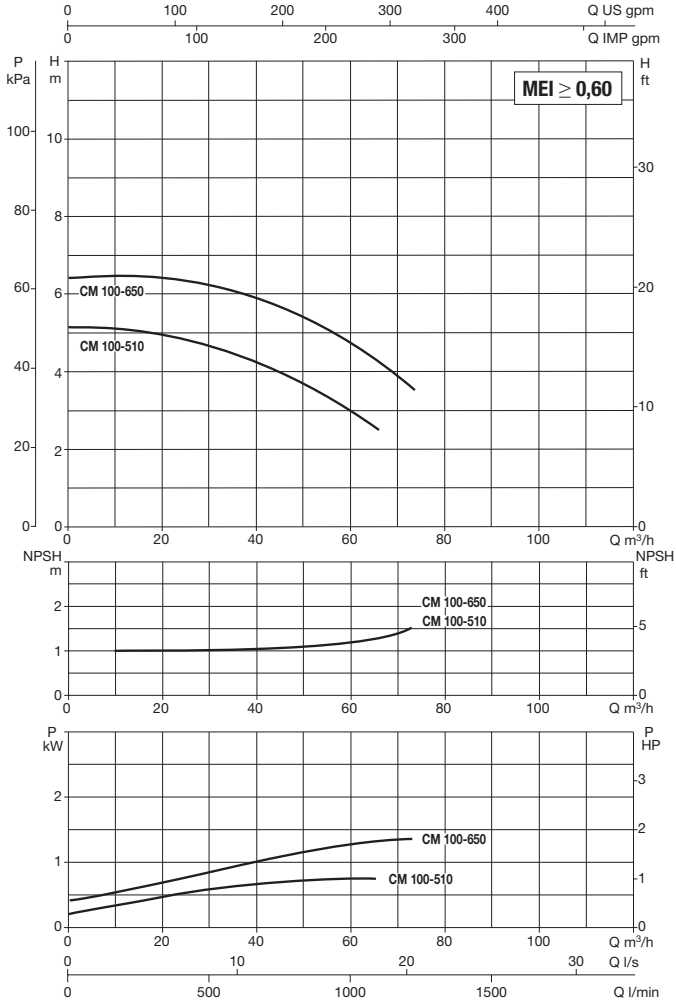
[1] star start-up possible (⅄)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 80-2700/A/BAQE/7,5	210	188	245	224	230	80	160	200	18	8	843	850	140	413	620	310	310	M16	739	626	1107	0,512	206	187
CM-G 80-3420/A/BAQE/11	248	249	245	224	230	80	160	200	18		948	948	140	413	620	310	310	M16	1200	720	758	0,655	296	277

CM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





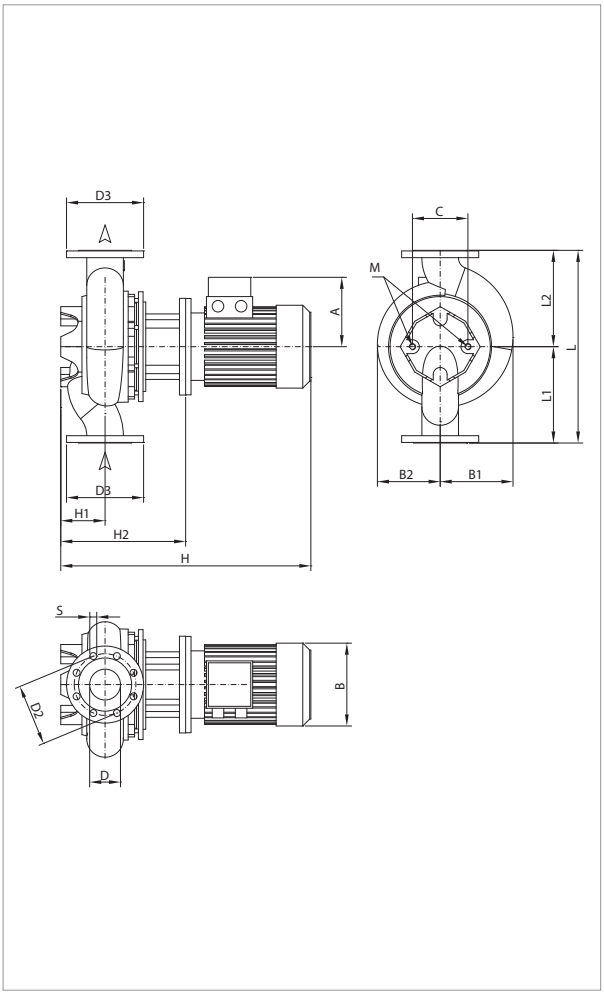
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

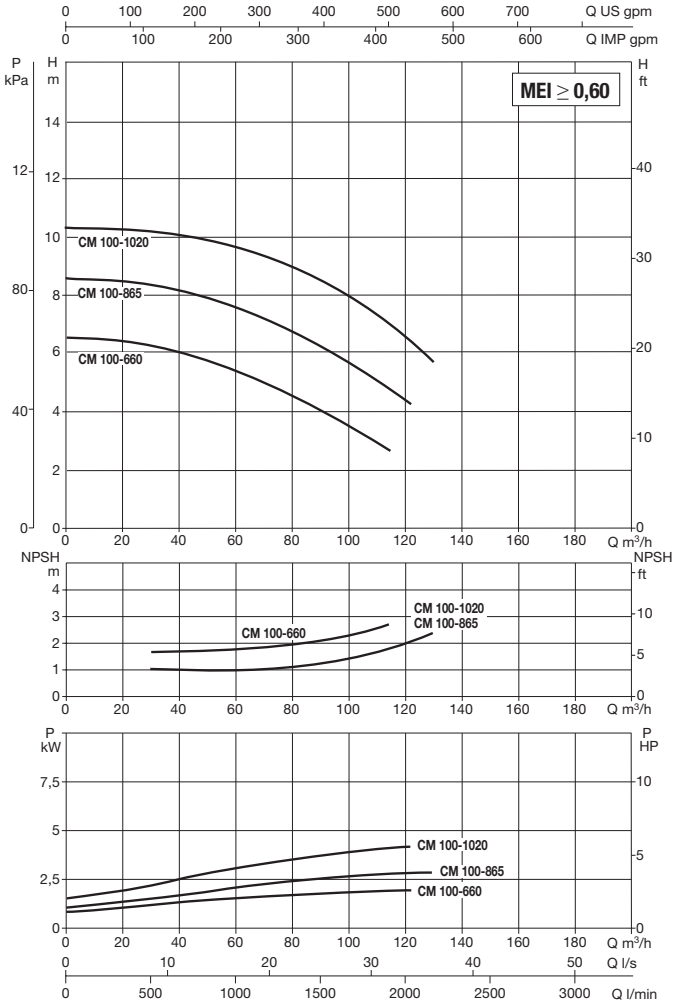
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3					
						kW	HP	230	400	230	400			IE2	IE3
CM-G 100-510/A/BAQE/0,75	11,376	DN 100	3 x 230 - 400 V ~	1430	1,2	0,75	1,00	3,6	2,6	–	–	IE2	MEC 80M	23.7/13.7	–
CM-G 100-650/A/BAQE/1,1	500	DN 100	3 x 230 - 400 V ~	1440	1,4	1,10	1,50	4,7	2,7	–	–	IE2	MEC 90S	34/19.6	–

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 100-510/A/BAQE/0,75	140	–	158	125	144	100	180	220	18	8	573	–	140	318	500	250	250	M16	689	426	834	0,245	84	–
CM-G 100-650/A/BAQE/1,1	160	–	158	125	144	100	180	220	18		613	–	140	318	500	250	250	M16	689	426	834	0,245	88	–

CM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

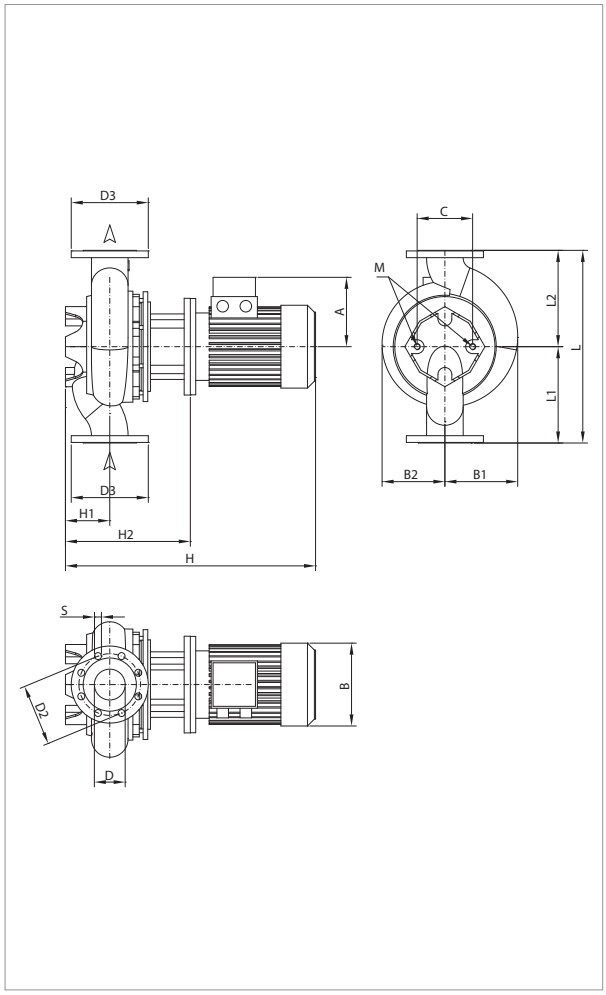
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3					
						kW	HP	230	400	230	400			IE2	IE3
CM-G 100-660/A/BAQE/1,5	550	DN 100	3 x 230 - 400 V ~	1430	2,0	1,50	2,00	6,2	3,6	–	–	IE2	MEC 90L	41.6/24	–
CM-G 100-865/A/BAQE/2,2	550	DN 100	3 x 230 - 400 V ~	1455	3,0	2,20	3,00	8,7	5,0	–	–	IE2	MEC 90L	73.5/42.2	–
CM-G 100-1020/A/BAQE/3	550	DN 100	3 x 400 V ~ [1]	1441	3,6	3,00	4,00		6,2		–	IE2	MEC 100L	43,2	–

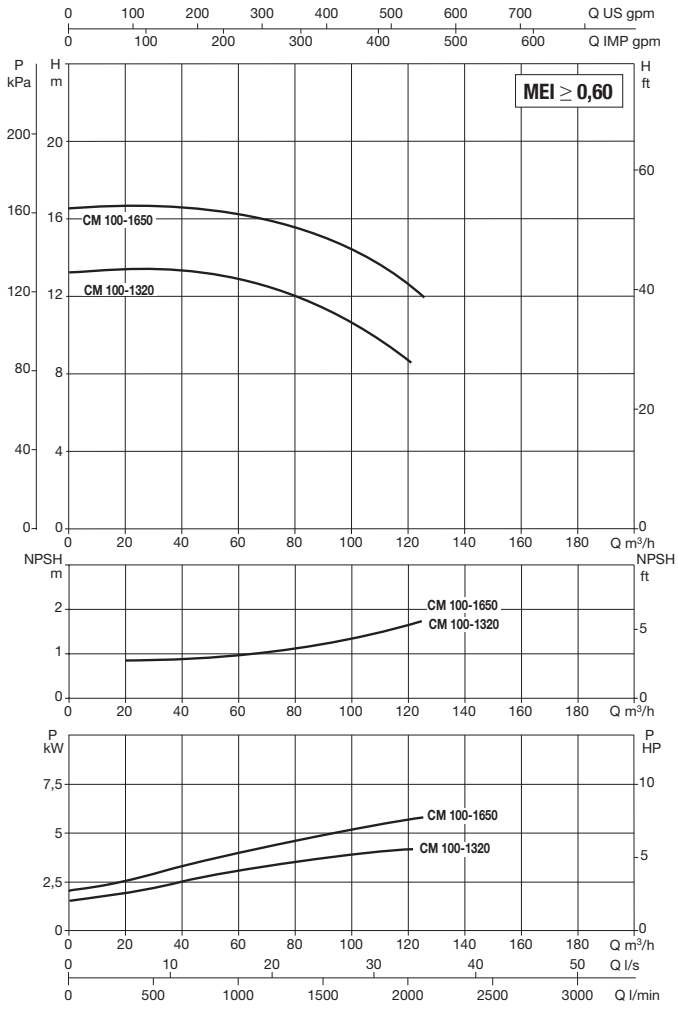
[1] star start-up possible (⅄)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 100-660/A/BAQE/2,5	160	–	192	152	230	100	180	220	18	8	648	–	140	313	550	275	275	M16	689	426	834	0,245	109	–
CM-G 100-865/A/BAQE/2,2	180	–	192	152	230	100	180	220	18		666	–	140	341	550	275	275	M16	689	426	834	0,245	118	–
CM-G 100-1020/A/BAQE/3	180	–	192	152	230	100	180	220	18		666	–	140	341	550	275	275	M16	689	426	834	0,245	118	–

CM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

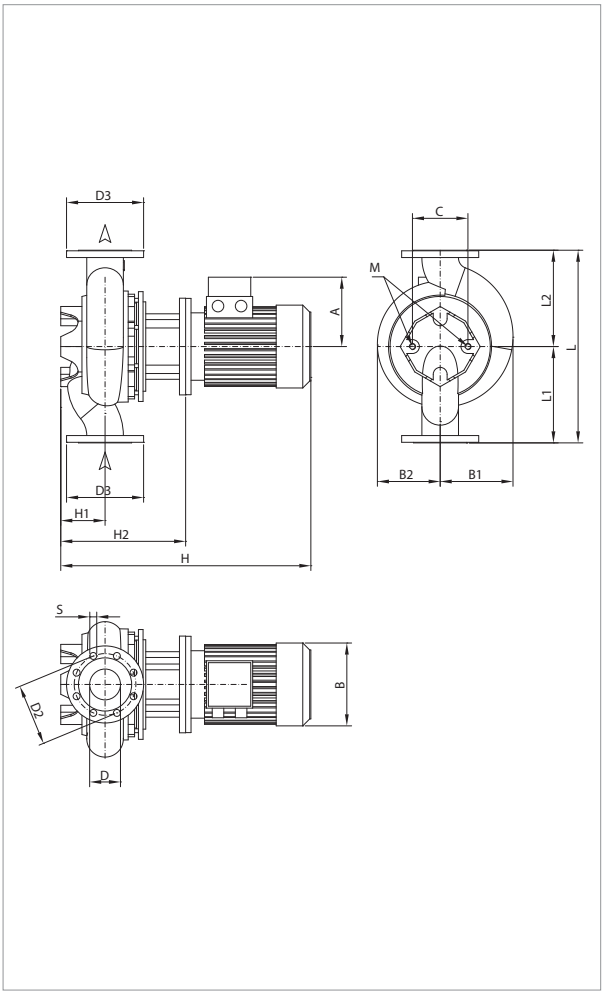
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3			IE2	IE3
						kW	HP	400					
CM-G 100-1320/A/BAQE/4	550	DN 100	3 x 400 V ~ [1]	1450	4,6	4,00	5,50	7,9	–	IE2	MEC 112M	69,3	–
CM-G 100-1650/A/BAQE/5,5	550	DN 100	3 x 400 V ~ [1]	1464	6,9	5,50	7,50	10,6	–	IE2	MEC 132S	84,5	–

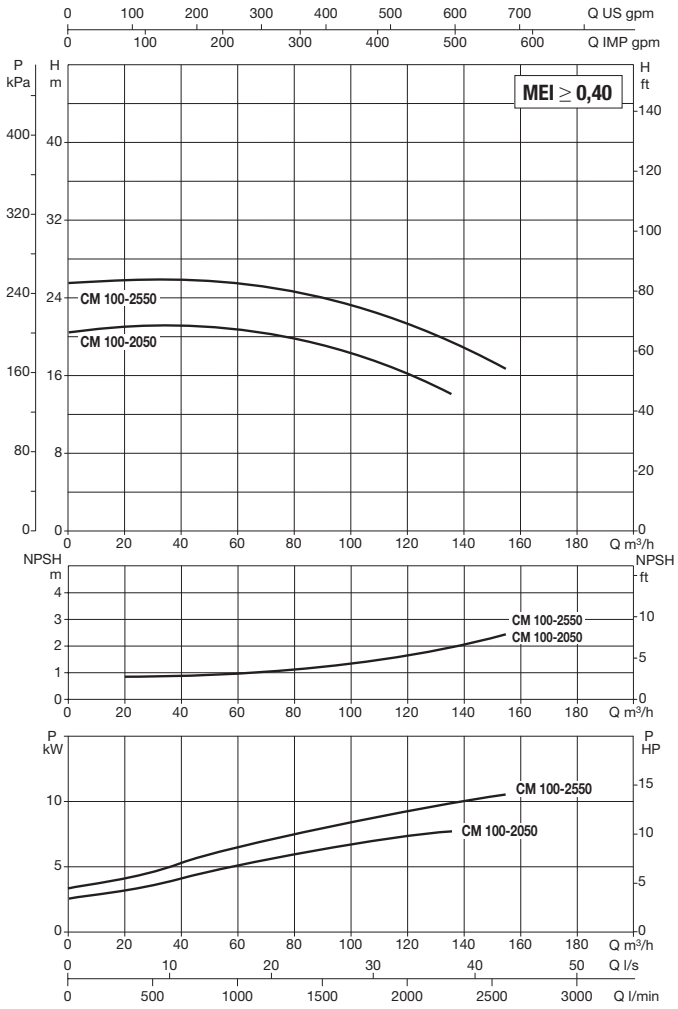
[1] star start-up possible (λ)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 100-1320/A/BAQE/4	190	–	204	174	230	100	180	220	18	8	811	–	140	341	550	275	275	M16	739	626	1107	0,512	156	–
CM-G 100-1650/A/BAQE/5,5	210	–	204	174	230	100	180	220	18		807	–	140	417	550	275	275	M16	739	626	1107	0,512	176	–

CM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

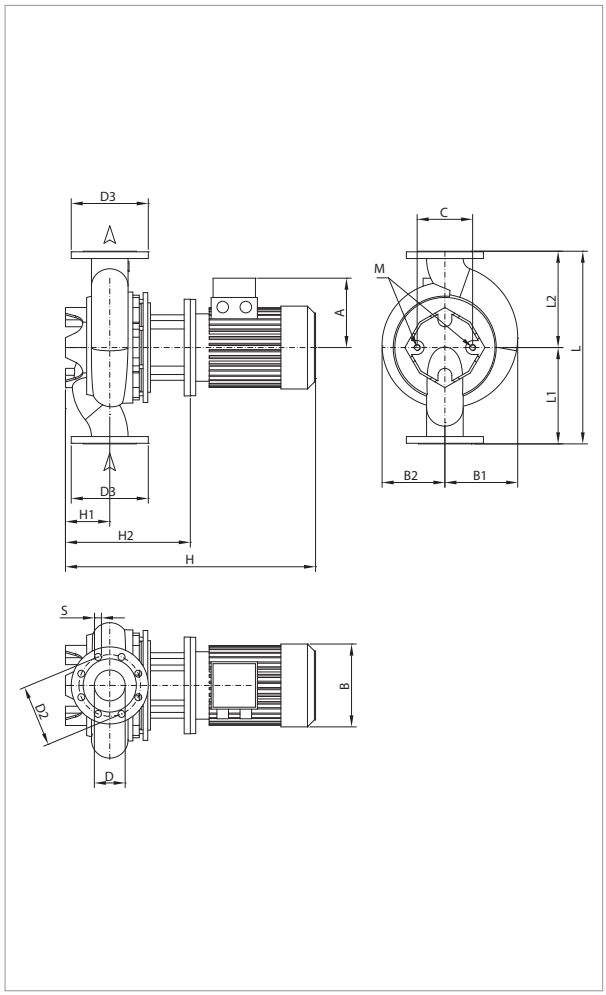
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CM-G 100-2050/A/BAQE/7,5	670	DN 100	3 x 400 V ~ [1]	1461	8,5	7,50	10,00	14,2	14,6	IE2 / IE3	MEC 132M	123,5	124,1
CM-G 100-2550/A/BAQE/11	670	DN 100	3 x 400 V ~ [1]	1470	12,1	11,00	15,00	21,6	20,5	IE2 / IE3	MEC 160M	179,7	172,2

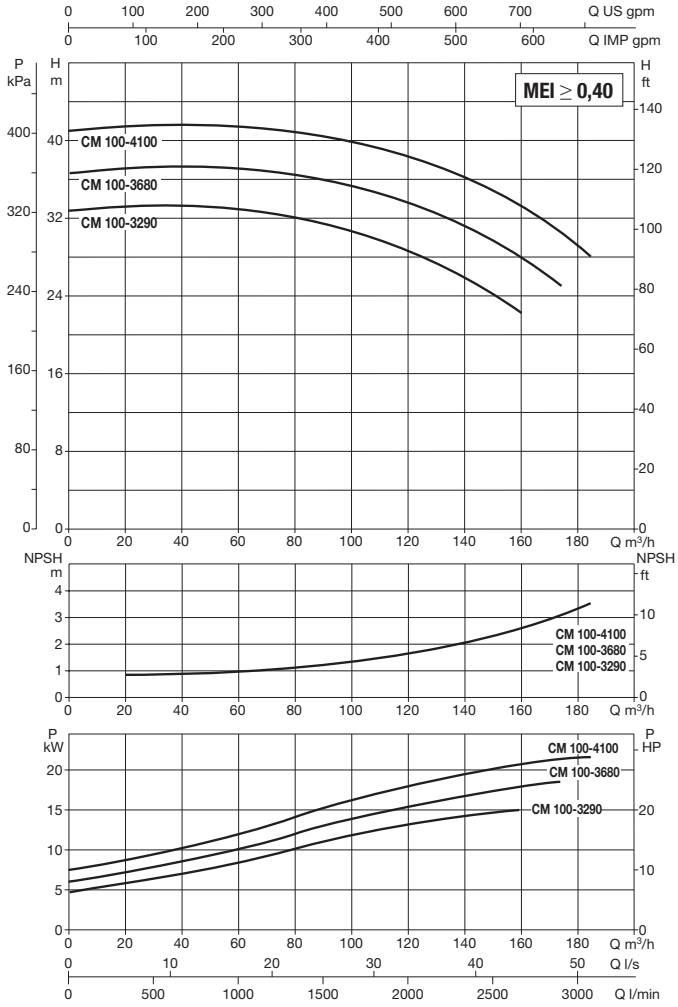
[1] star start-up possible (λ)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 100-2050/A/BAQE/7,5	210	188	293	253	230	100	180	220	18	8	883	890	175	453	670	335	335	M16	739	626	1107	0,512	249	230
CM-G 100-2550/A/BAQE/11	248	249	293	253	230	100	180	220	18		988	988	175	483	670	335	335	M16	1200	720	758	0,655	342	323

CM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

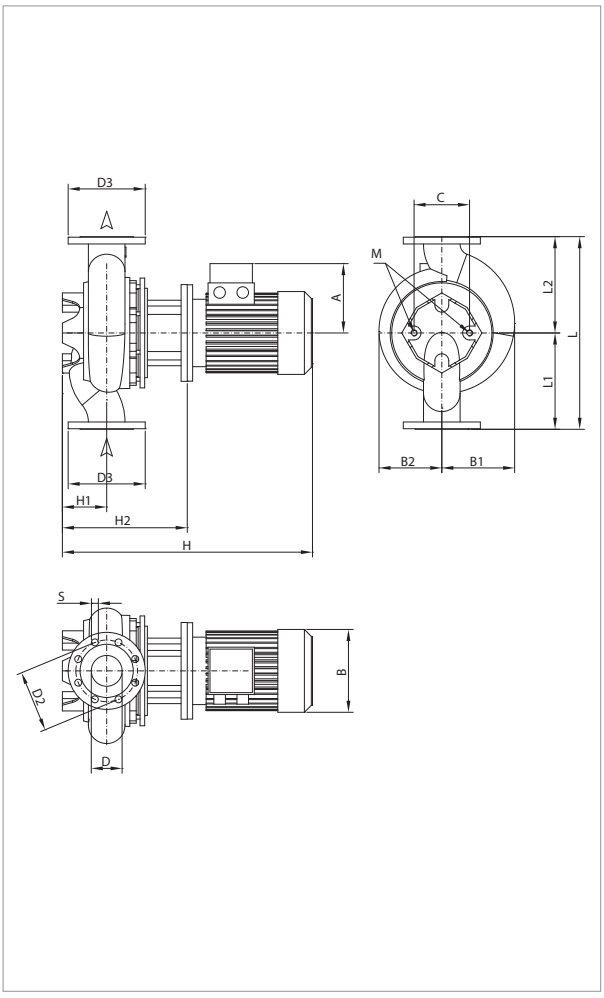
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA							MOTOR TYPE	MOTOR SIZE	I st. A	
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A					
						kW	HP	IE2	IE3			IE2	IE3
								400					
CM-G 100-3290/A/BAQE/15	670	DN 100	3 x 400 V ~ [1]	1471	17,1	15,00	20,00	29	28	IE2 / IE3	MEC 160L	236,6	232,4
CM-G 100-3680/A/BAQE/18,5	670	DN 100	3 x 400 V ~ [1]	1470	19,6	18,50	25,00	33	33,4	IE2 / IE3	MEC 180M	252,8	268,6
CM-G 100-4100/A/BAQE/22	670	DN 100	3 x 400 V ~ [1]	1470	22,4	22,00	30,00	40	40,5	IE2 / IE3	MEC 180L	314,4	336,1

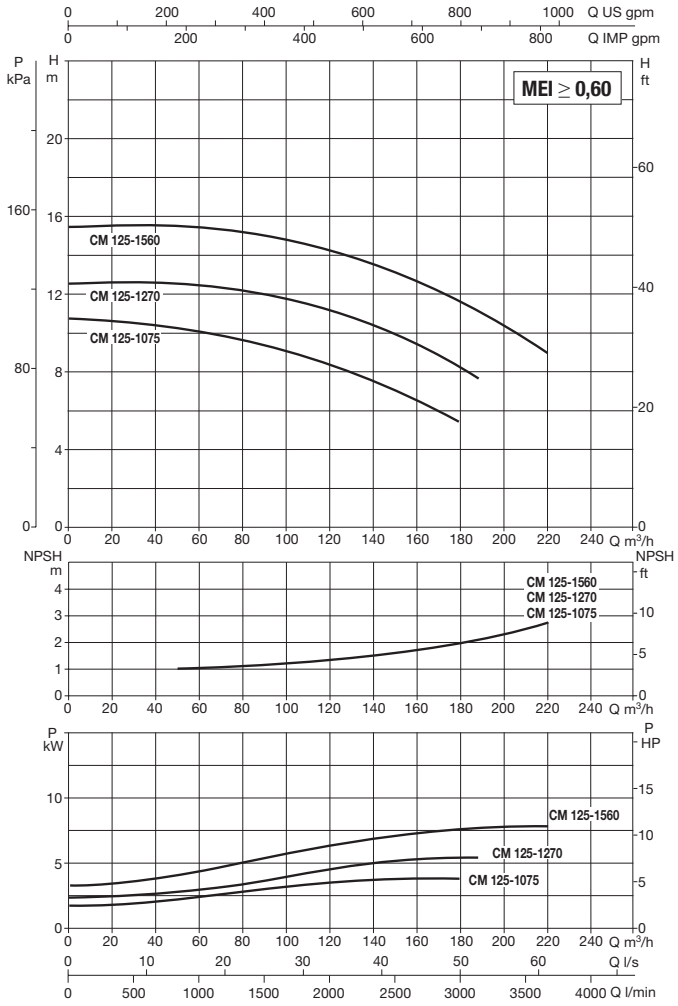
[1] star start-up possible (⅄)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 100-3290/A/BAQE/15	248	249	293	253	230	100	180	220	18	8	1043	1031	175	483	670	335	335	M16	1200	720	758	0,655	351	333
CM-G 100-3680/A/BAQE/18,5	275	265	293	253	230	100	180	220	18		1063	1063	175	483	670	335	335	M16	1200	720	758	0,655	397	359
CM-G 100-4100/A/BAQE/22	275	265	293	253	230	100	180	220	18		1101	1101	175	483	670	335	335	M16	1200	720	758	0,655	407	370

CM-G 125 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

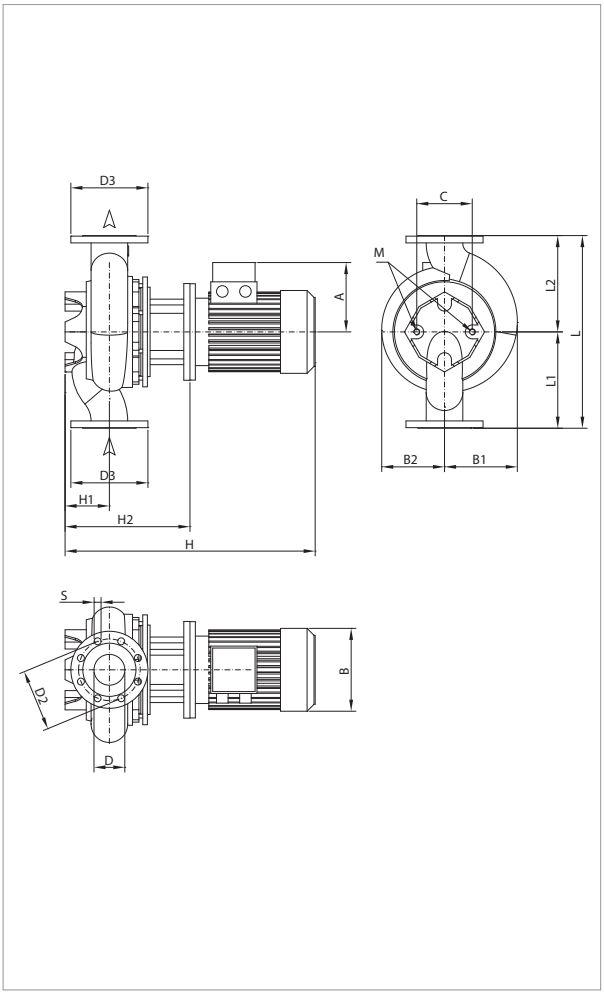
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
						400							
CM-G 125-1075/A/BAQE/4	620	DN 125	3 x 400 V ~ [1]	1455	5,1	4,00	5,50	7,9	–	IE2	MEC 112M	69,3	–
CM-G 125-1270/A/BAQE/5,5	620	DN 125	3 x 400 V ~ [1]	1465	7,2	5,50	7,50	10,6	–	IE2	MEC 132S	84,5	–
CM-G 125-1560/A/BAQE/7,5	620	DN 125	3 x 400 V ~ [1]	1469	9,5	7,50	10,00	14,2	14,6	IE2 / IE3	MEC 132M	123,5	124,1

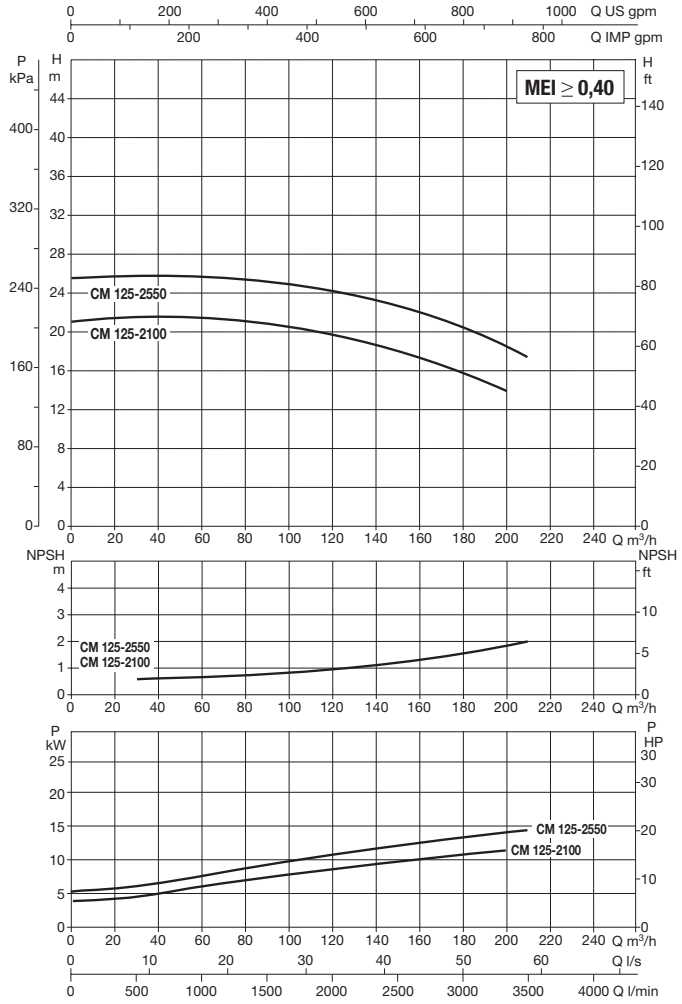
[1] star start-up possible (λ)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 125-1075/A/BAQE/4	190	–	252	204	230	125	210	250	18	8	892	–	215	482	620	310	310	M16	739	626	1107	0,512	210	–
CM-G 125-1270/A/BAQE/5,5	210	–	252	204	230	125	210	250	18		888	–	215	498	620	310	310	M16	739	626	1107	0,512	231	–
CM-G 125-1560/A/BAQE/7,5	210	188	252	204	230	125	210	250	18		928	935	215	498	620	310	310	M16	739	626	1107	0,512	237	218

CM-G 125 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

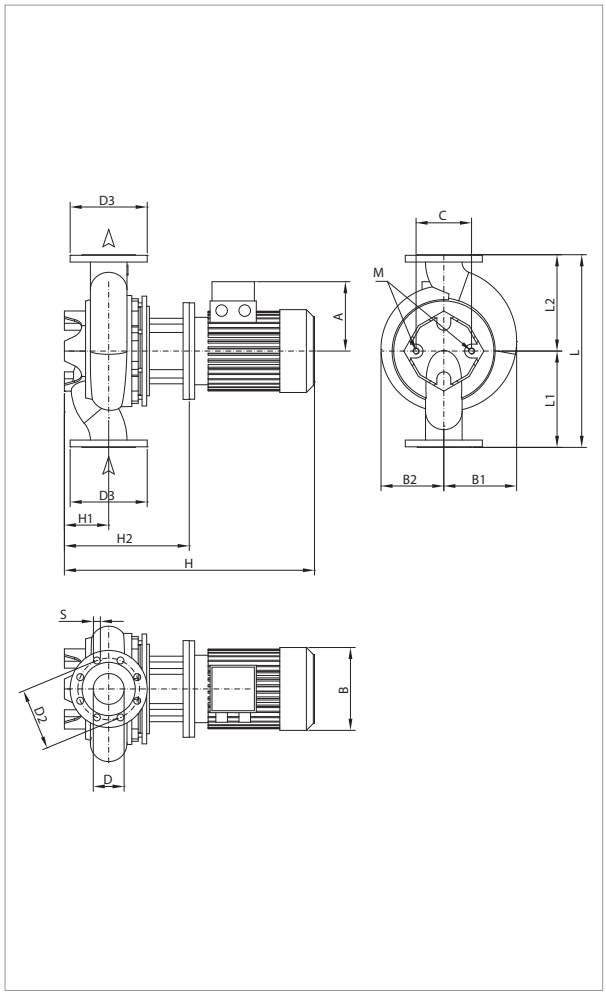
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CM-G 125-2100/A/BAQE/11	800	DN 125	3 x 400 V ~ [1]	1475	13,6	11,00	15,00	21,6	20,5	IE2 / IE3	MEC 160M	179,7	172,2
CM-G 125-2550/A/BAQE/15	800	DN 125	3 x 400 V ~ [1]	1470	16,3	15,00	20,00	29	28	IE2 / IE3	MEC 160L	236,6	232,4

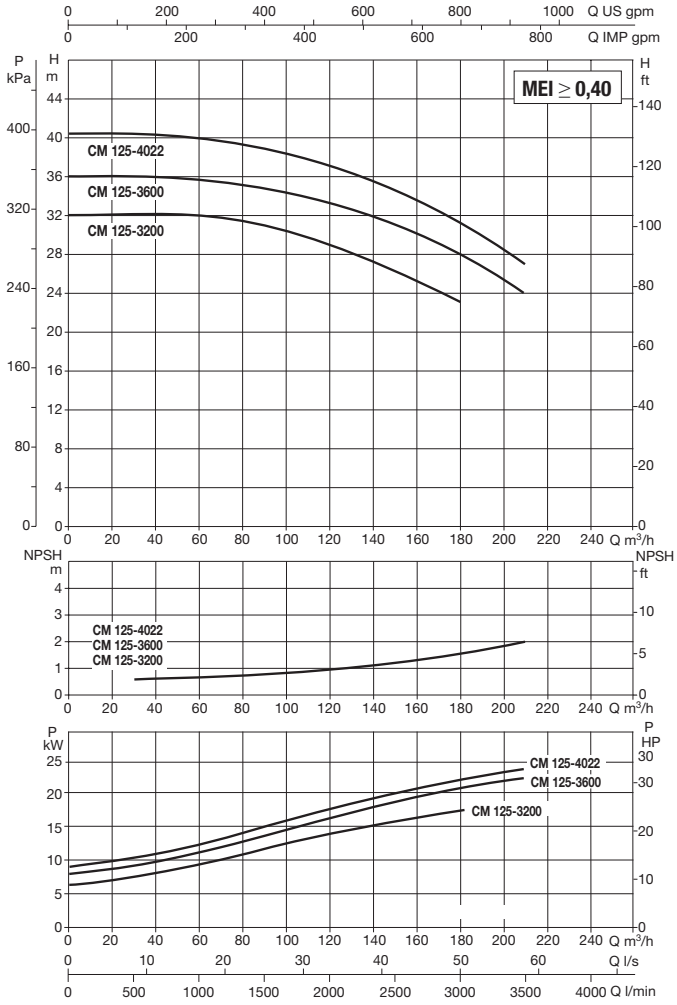
[1] star start-up possible (λ)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 125-2100/A/BAQE/11	248	249	273	245	230	125	210	250	18	8	1038	1038	215	533	800	400	400	M16	1440	1040	676	1,012	330	311
CM-G 125-2550/A/BAQE/15	248	249	273	245	230	125	210	250	18		1093	1081	215	533	800	400	400	M16	1440	1040	676	1,012	339	321

CM-G 125 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

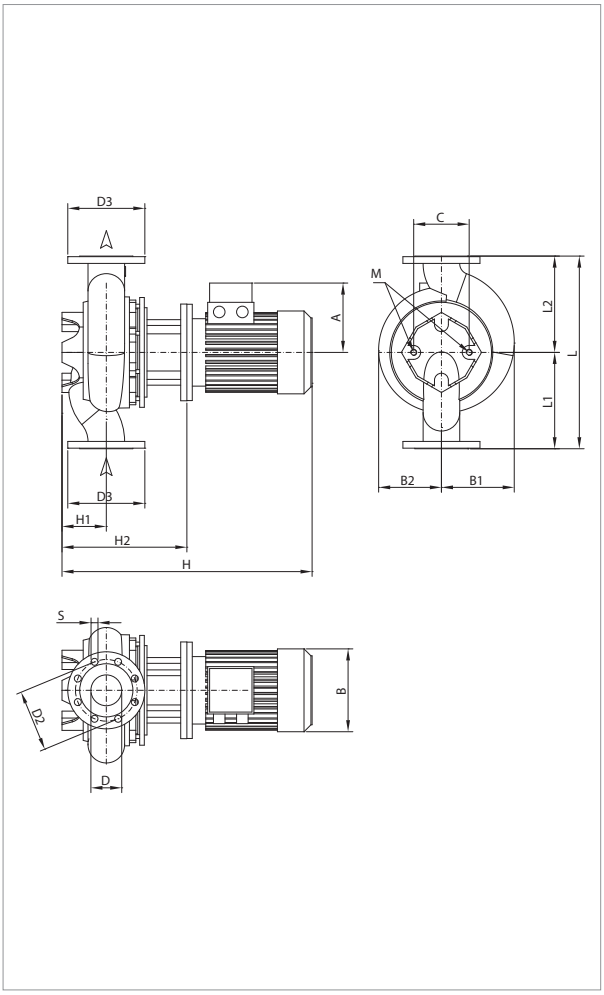
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CM-G 125-3200/A/BAQE/18,5	800	DN 125	3 x 400 V ~ [1]	1471	17,9	18,50	25,00	33	33,4	IE2 / IE3	MEC 180M	252,8	268,6
CM-G 125-3600/A/BAQE/22	800	DN 125	3 x 400 V ~ [1]	1470	22,4	22,00	30,00	40	40,5	IE2 / IE3	MEC 180L	314,4	336,1
CM-G 125-4022/A/BAQE/30	800	DN 125	3 x 400 V ~ [1]	1478	26,5	30,00	40,00	53,31	53,5	IE2 / IE3	MEC 200L	464,9	460,1

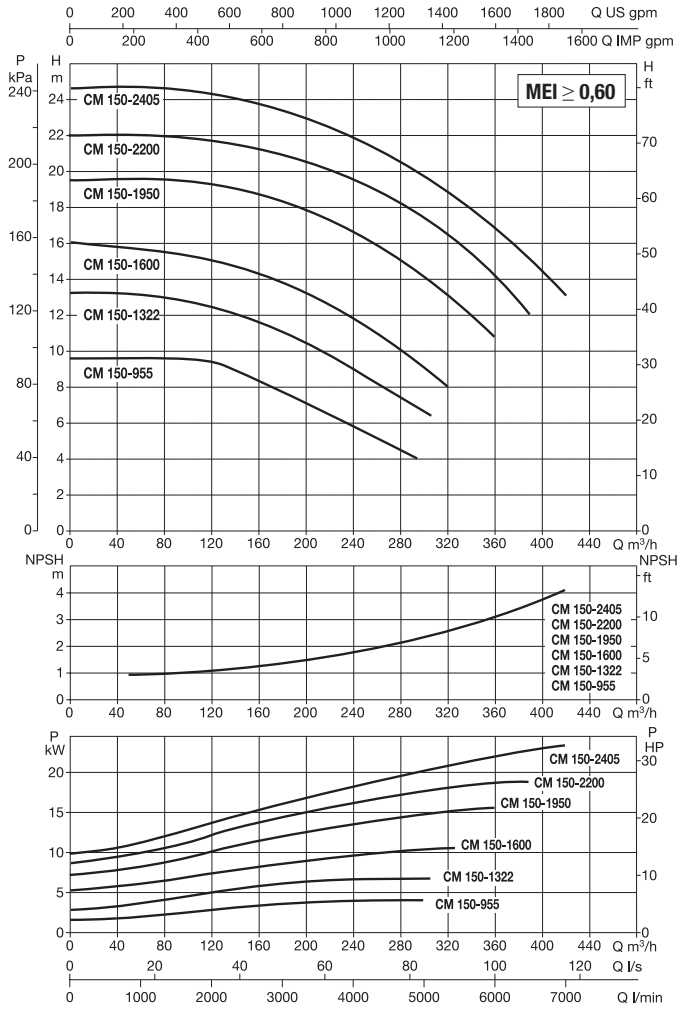
[1] star start-up possible (λ)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 125-3200/A/BAQE/18,5	275	265	273	245	230	125	210	250	18	8	1113	1113	215	533	800	400	400	M16	1440	1040	676	1,012	384	346
CM-G 125-3600/A/BAQE/22	275	265	273	245	230	125	210	250	18		1151	1151	215	533	800	400	400	M16	1440	1040	676	1,012	394	357
CM-G 125-4022/A/BAQE/30	310	292	273	245	230	125	210	250	18		1193	1203	215	533	800	400	400	M16	1440	1040	676	1,012	449	453

CM-G 150 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

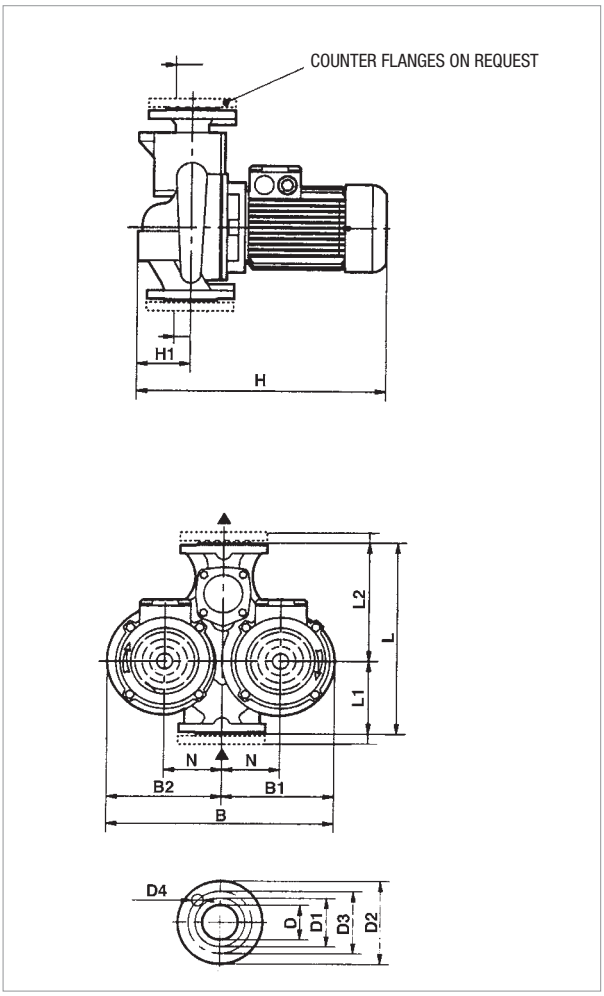
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CM-G 150-955/A/BAQE/5,5	800	DN 150	3 x 400 V ~ [1]	1462	7,5	5,50	7,50	10,6	–	IE2	MEC 132S	84,5	–
CM-G 150-1322/A/BAQE/7,5	800	DN 150	3 x 400 V ~ [1]	1464	8,9	7,50	10,00	14,2	14,6	IE2 / IE3	MEC 132M	123,5	124,1
CM-G 150-1600/A/BAQE/11	800	DN 150	3 x 400 V ~ [1]	1473	13,0	11,00	15,00	21,6	20,5	IE2 / IE3	MEC 160M	179,7	172,2
CM-G 150-1950/A/BAQE/15	800	DN 150	3 x 400 V ~ [1]	1472	17,5	15,00	20,00	29	28	IE2 / IE3	MEC 160L	236,6	232,4
CM-G 150-2200/A/BAQE/18,5	800	DN 150	3 x 400 V ~ [1]	1472	21,1	18,50	25,00	33	33,4	IE2 / IE3	MEC 180M	252,8	268,6
CM-G 150-2405/A/BAQE/22	800	DN 150	3 x 400 V ~ [1]	1470	23,8	22,00	30,00	40	40,5	IE2 / IE3	MEC 180L	314,4	336,1

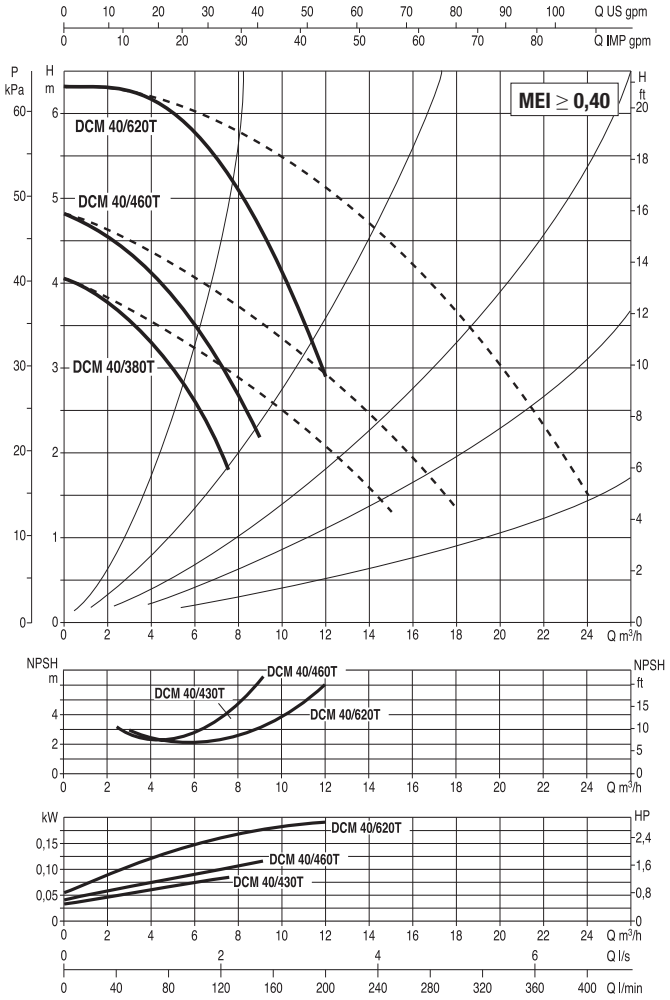
[1] star start-up possible (⅄)

MODEL	A		B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
	IE2	IE3									IE2	IE3							L/A	L/B	H		IE2	IE3
CM-G 150-955/A/BAQE/5,5	210	–	298	239	230	150	240	285	22	8	897	–	215	507	800	400	400	M16	934	584	1335	0,728	292	–
CM-G 150-1322/A/BAQE/7,5	210	188	298	239	230	150	240	285	22		937	944	215	507	800	400	400	M16	934	584	1335	0,728	298	279
CM-G 150-1600/A/BAQE/11	248	249	298	239	230	150	240	285	22		1042	1042	215	537	800	400	400	M16	1440	1040	676	1,012	346	327
CM-G 150-1950/A/BAQE/15	248	249	298	239	230	150	240	285	22		1097	1085	215	537	800	400	400	M16	1440	1040	676	1,012	355	337
CM-G 150-2200/A/BAQE/18,5	275	265	298	239	230	150	240	285	22		1117	1117	215	537	800	400	400	M16	1440	1040	676	1,012	399	361
CM-G 150-2405/A/BAQE/22	275	265	298	239	230	150	240	285	22		1155	1155	215	537	800	400	400	M16	1440	1040	676	1,012	410	373

DCM 40 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C





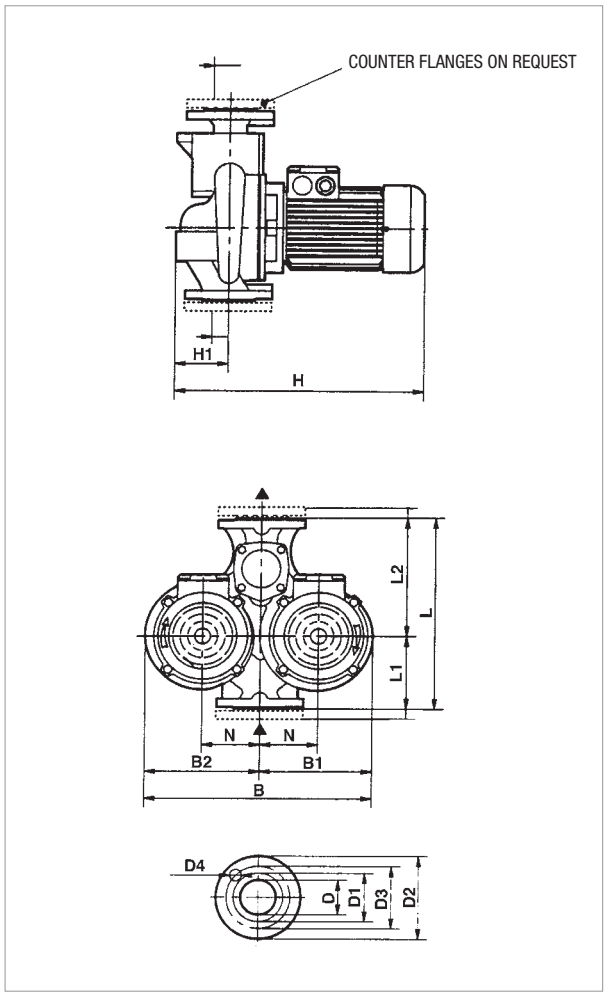
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

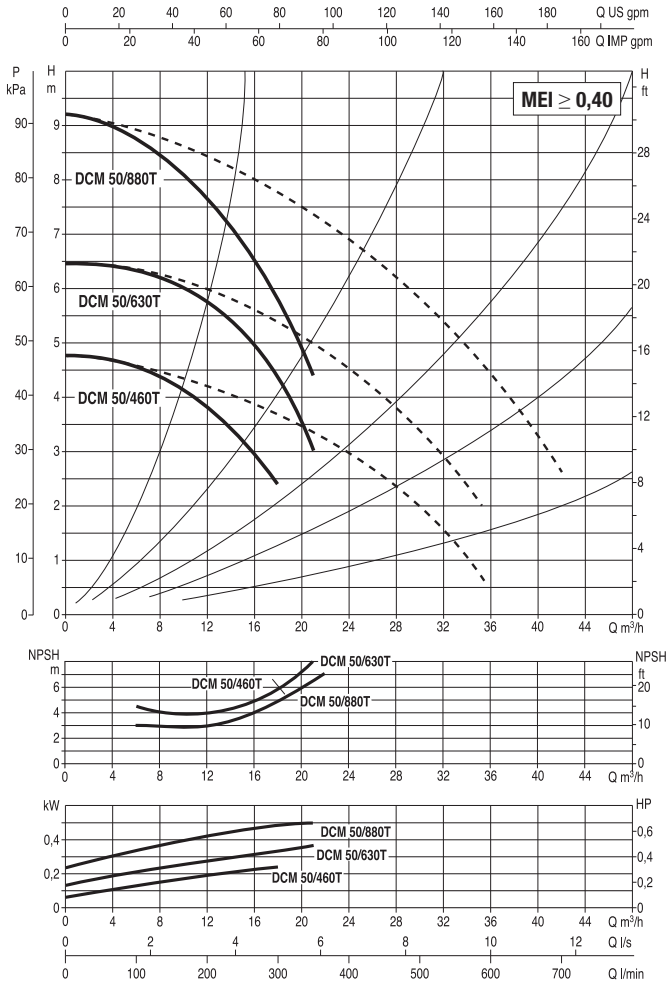
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								–		IE2		
						kW	HP	230	400	230	400	
DCM 40/380 T	340	DN 40	3x230-400 V ~	1450	0,41	0,25	0,33	–	–	1,6	0,9	IE2
DCM 40/460 T	340	DN 40	3x230-400 V ~	1450	0,41	0,25	0,33	–	–	1,6	0,9	IE2
DCM 40/620 T	340	DN 40	3x230-400 V ~	1450	0,41	0,25	0,33	–	–	1,6	0,9	IE2

MODEL	L	L1	L2	B	B1	B2	H		H1	N	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							–	IE2								L/A	L/B	H		–	IE2
DCM 40/380 T	340	130	210	397	197	200	–	425	100	100	40 PN6	88	150	110	4 HOLES Ø 18	520	320	535	0,6	–	41
DCM 40/460 T	340	130	210	397	197	200	–	425	100	100	40 PN6	88	150	110		520	320	535	0,6	–	41
DCM 40/620 T	340	130	210	397	197	200	–	425	100	100	40 PN6	88	150	110		520	320	535	0,6	–	41

DCM 50 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C





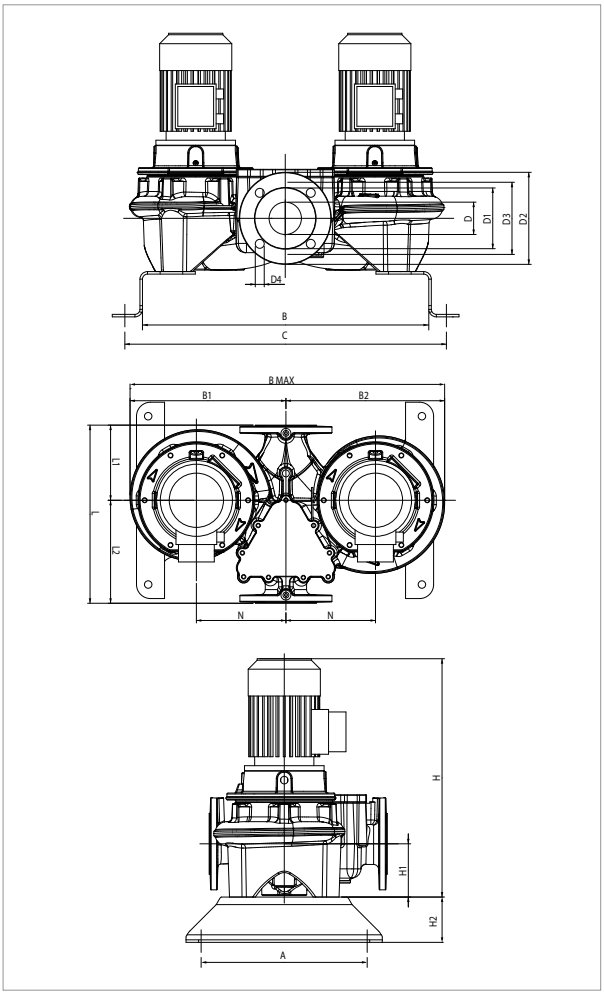
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

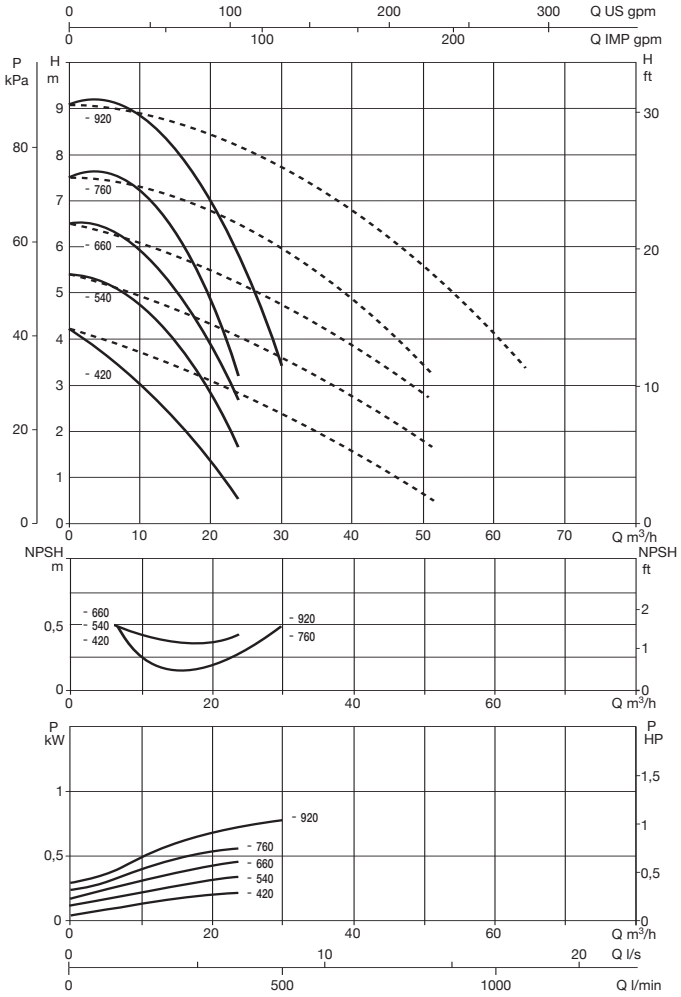
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								–		IE2		
						kW	HP	230	400	230	400	
DCM 50/460 T	365	DN 50	3x230-400 V ~	1450	0,41	0,25	0,33	–	–	1,6	0,9	IE2
DCM 50/630 T	365	DN 50	3x230-400 V ~	1450	0,57	0,37	0,50	–	–	2,1	1,2	IE2
DCM 50/880 T	410	DN 50	3x230-400 V ~	1450	0,79	0,50	0,70	–	–	2,9	1,7	IE2

MODEL	L	L1	L2	B	B1	B2	H		H1	N	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							–	IE2								L/A	L/B	H		–	IE2
DCM 50/460 T	365	145	220	427	210	217	–	435	110	105	50 PN10	102	165	125	4 HOLES Ø 18	520	320	535	0,7	–	46
DCM 50/630 T	4365	145	220	427	210	217	–	435	110	105	50 PN10	102	165	125		520	320	535	0,7	–	46
DCM 50/880 T	410	170	240	480	235	245	–	435	110	120	50 PN10	102	165	125		580	360	585	0,9	–	52

DCM-G 65 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - Maximum ambient temperature: +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

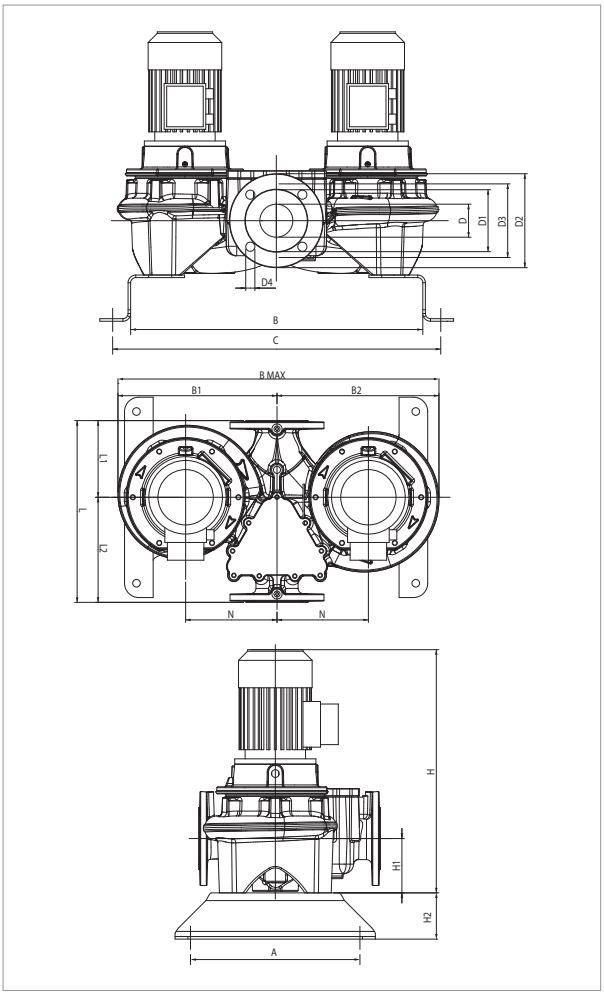
For the MEI index refer to the hydraulic data of the individual pump.

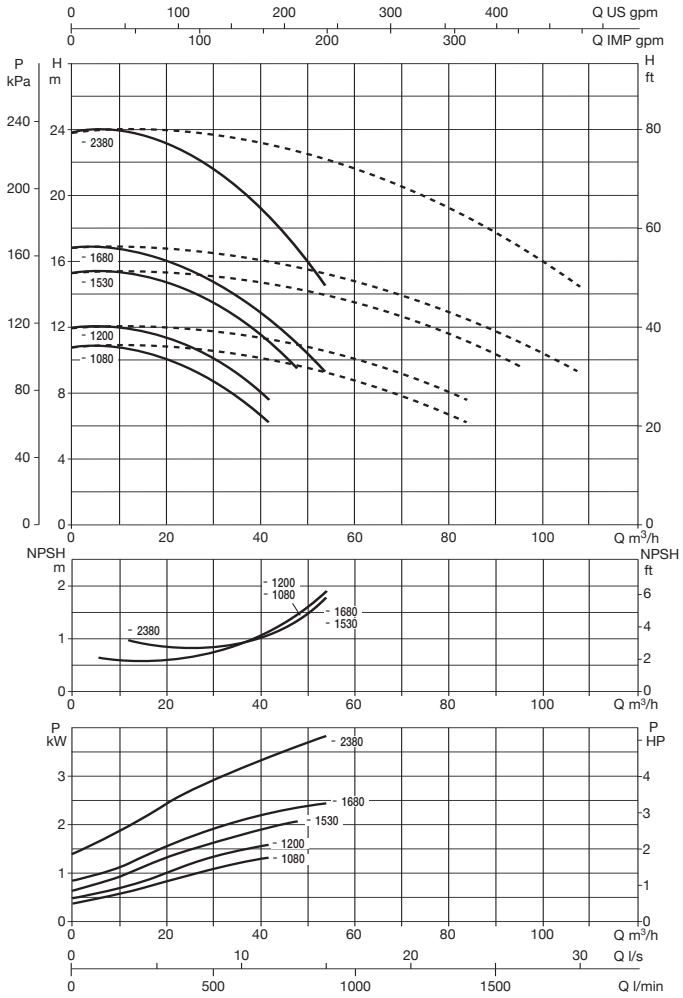
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
DCM-G 65-420/A/BAQE/0,25	360	DN 65	3 x 230 - 400 V ~	1400	0,4	0,25	0,33	1,6	0,9	–	–	–	MEC71	4.6/2.6	–
DCM-G 65-540/A/BAQE/0,37	360	DN 65	3 x 230 - 400 V ~	1380	0,6	0,37	0,50	1,7	1,0	–	–	–	MEC71	8.1/4.6	–
DCM-G 65-660/A/BAQE/0,55	360	DN 65	3 x 230 - 400 V ~	1400	0,8	0,55	0,75	2,6	1,5	–	–	–	MEC80M	13.9/8	–
DCM-G 65-760/A/BAQE/0,55	360	DN 65	3 x 230 - 400 V ~	1390	0,8	0,55	0,75	2,6	1,5	–	–	–	MEC80M	13.9/8	–
DCM-G 65-920/A/BAQE/0,75	360	DN 65	3 x 230 - 400 V ~	1430	1,2	0,75	1,00	–	–	3,6	2,1	–	MEC80M	–	23.7/13.7

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													–	IE2								L/A	L/B	H		–	IE2
DCM-G 65-420/A/BAQE/0,25	330	569	639	315	320	635	65	122	185	145	18		479	–	107	100	360	151	207	M16	180	358	635	479	0,11	112	–
DCM-G 65-540/A/BAQE/0,37	330	569	639	315	320	635	65	122	185	145	18		479	–	107	100	360	151	207	M16	180	358	635	479	0,11	112	–
DCM-G 65-660/A/BAQE/0,55	330	569	639	315	320	635	65	122	185	145	18	4	534	–	107	100	360	151	207	M16	180	358	635	534	0,12	136	–
DCM-G 65-760/A/BAQE/0,55	330	569	639	315	320	635	65	122	185	145	18		534	–	107	100	360	151	207	M16	180	358	635	534	0,12	135	–
DCM-G 65-920/A/BAQE/0,75	330	569	639	315	320	635	65	122	185	145	18		–	534	107	100	360	151	207	M16	180	358	635	534	0,12	–	139

DCM-G 65 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

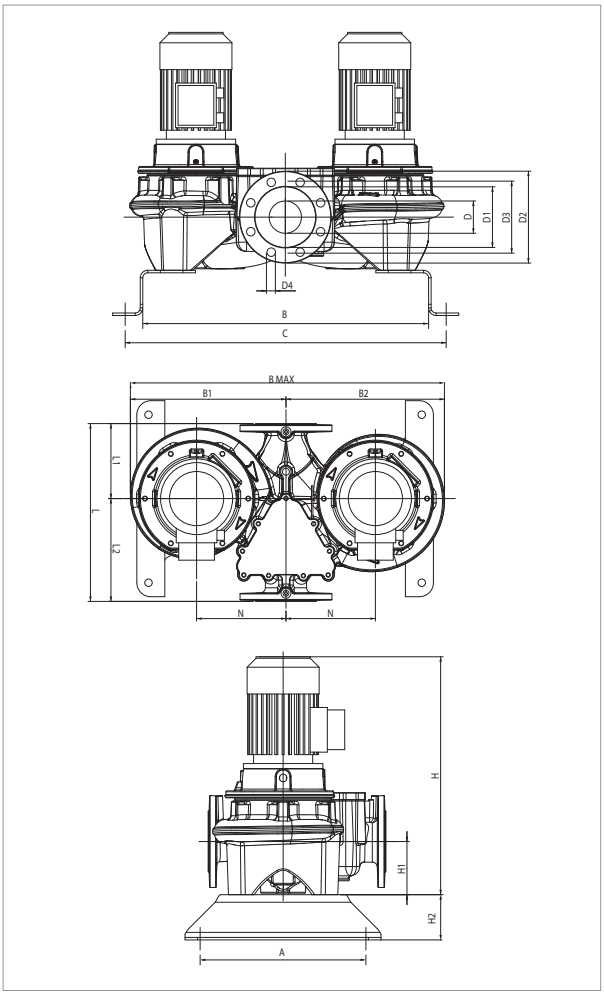
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA											
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
DCM-G 65-1080/A/BAQE/1,1	475	DN 65	3 x 230 - 400 V ~	1435	1,6	1,10	1,50	–	–	4,7	2,7	IE2	MEC90S	–	34/19.6
DCM-G 65-1200/A/BAQE/1,5	475	DN 65	3 x 230 - 400 V ~	1430	2,0	1,50	2,00	–	–	6,2	3,6	IE2	MEC90L	–	41.6/24
DCM-G 65-1530/A/BAQE/2,2	475	DN 65	3 x 230 - 400 V ~	1455	2,9	2,20	3,00	–	–	8,7	5,0	IE2	MEC100L	–	73.5/42.2
DCM-G 65-1680/A/BAQE/3	475	DN 65	3 x 400 V ~ [1]	1448	2,7	3,00	4,00		–		6,2	IE2	MEC100L	–	43,2
DCM-G 65-2380/A/BAQE/4	475	DN 65	3 x 400 V ~ [1]	1449	4,3	4,00	5,50		–		7,9	IE2	MEC112M	–	69,3

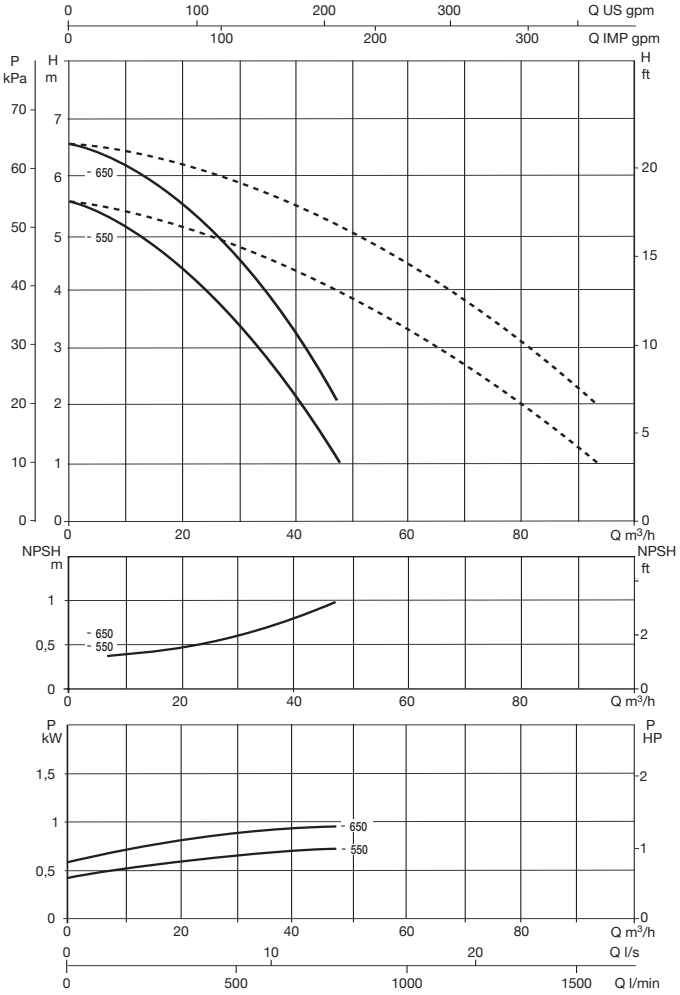
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													–	IE2								L/A	L/B	H		–	IE2
DCM-G 65-1080/A/BAQE/1,1	330	649	719	387	395	782	65	122	185	145	18		–	585	125	100	475	177	298	M16	220	475	782	585	0,22	–	183
DCM-G 65-1200/A/BAQE/1,5	330	649	719	387	395	782	65	122	185	145	18		–	625	125	100	475	177	298	M16	220	475	782	625	0,23	–	188
DCM-G 65-1530/A/BAQE/2,2	330	649	719	387	395	782	65	122	185	145	18	4	–	644	125	100	475	177	298	M16	220	475	782	644	0,24	–	194
DCM-G 65-1680/A/BAQE/3	330	649	719	387	395	782	65	122	185	145	18		–	644	125	100	475	177	298	M16	220	475	782	644	0,24	–	199
DCM-G 65-2380/A/BAQE/4	330	649	719	387	395	782	65	122	185	145	18		–	729	125	100	475	177	298	M16	220	475	782	729	0,27	–	226

DCM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - Maximum ambient temperature: +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

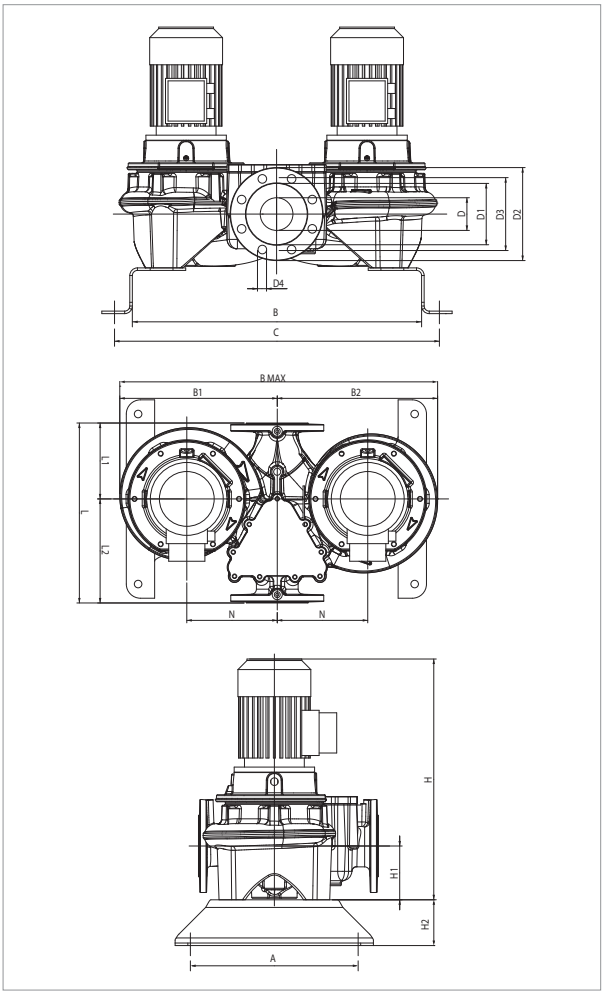
For the MEI index refer to the hydraulic data of the individual pump.

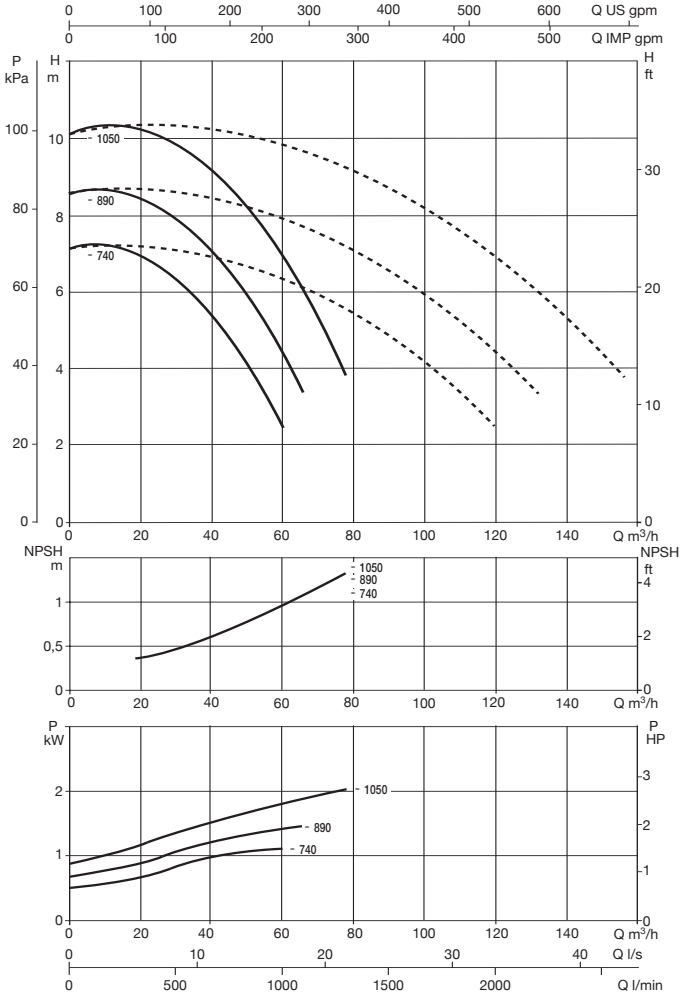
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
DCM-G 80-550/A/BAQE/0,55	360	DN 80	3 x 230 - 400 V ~	1390	0,8	0,55	0,8	2,6	1,5	–	–	–	MEC80M	13.9/8	–
DCM-G 80-650/A/BAQE/0,75	360	DN 80	3 x 230 - 400 V ~	1430	1,2	0,75	1,0	–	–	3,6	2,1	IE2	MEC80M	–	23.7/13.7

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													–	IE2								L/A	L/B	H		–	IE2
DCM-G 80-550/A/BAQE/0,55	330	580	650	305	310	615	80	137	200	160	18	8	546	–	115	100	360	165	195	M16	180	360	615	546	0,12	126	–
DCM-G 80-650/A/BAQE/0,75	330	580	650	305	310	615	80	137	200	160	18		–	546	115	100	360	165	195	M16	180	360	615	546	0,12	–	129

DCM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - Maximum ambient temperature: +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

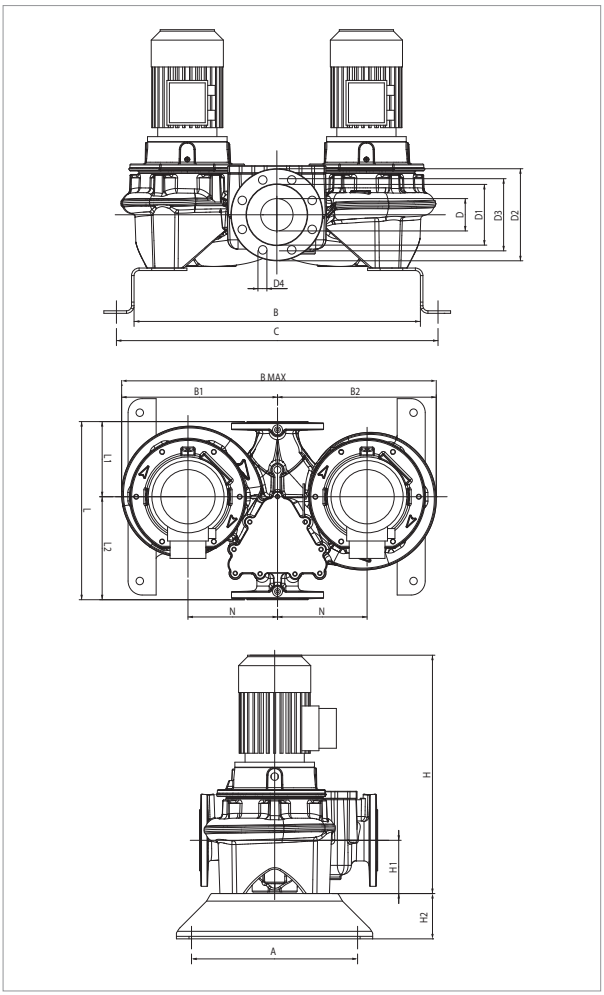
For the MEI index refer to the hydraulic data of the individual pump.

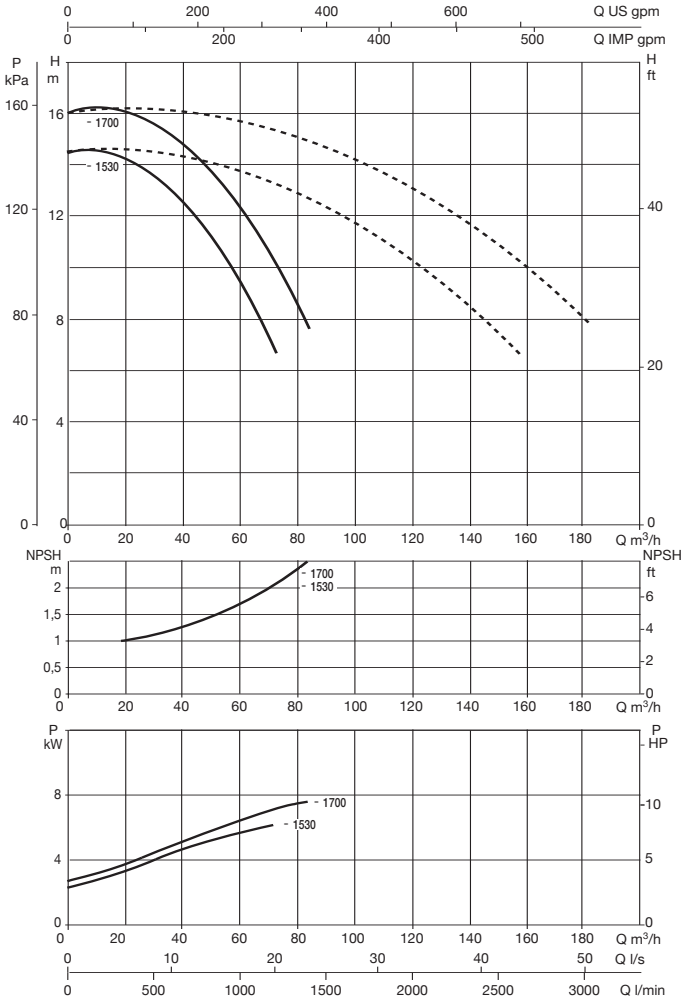
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								–		IE2				–	IE2
						kW	HP	230	400	230	400				
DCM-G 80-740/A/BAQE/1,1	440	DN 80	3 x 230 - 400 V ~	1439	1,5	1,10	1,5	–	–	4,7	2,7	IE2	MEC90S	–	34/19.6
DCM-G 80-890/A/BAQE/1,5	440	DN 80	3 x 230 - 400 V ~	1430	2,0	1,50	2,0	–	–	6,2	3,6	IE2	MEC90L	–	41.6/24
DCM-G 80-1050/A/BAQE/2,2	440	DN 80	3 x 230 - 400 V ~	1450	2,4	2,20	3,0	–	–	8,7	5,0	IE2	MEC100L	–	73.5/42.2

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													–	IE2								L/A	L/B	H		–	IE2
DCM-G 80-740/A/BAQE/1,1	330	620	690	355	365	720	80	137	200	160	18	8	–	586	115	100	440	180	260	M16	200	440	720	586	0,19	–	198
DCM-G 80-890/A/BAQE/1,5	330	620	690	355	365	720	80	137	200	160	18		–	626	115	100	440	180	260	M16	200	440	720	626	0,20	–	206
DCM-G 80-1050/A/BAQE/2,2	330	620	690	355	365	720	80	137	200	160	18		–	644	115	100	440	180	260	M16	200	440	720	644	0,20	–	224

DCM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

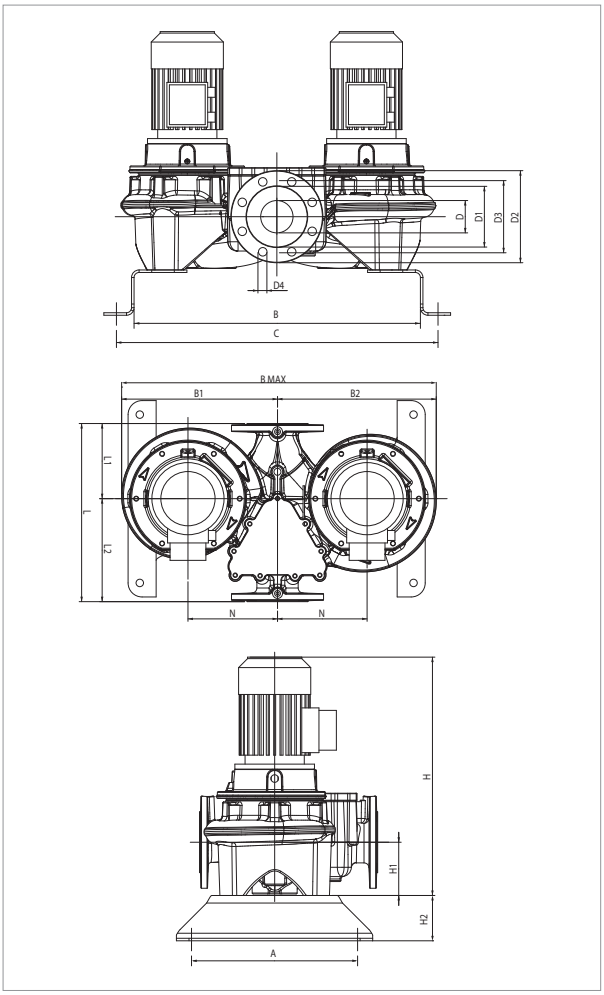
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								–	IE2			–	IE2
						kW	HP	400					
DCM-G 80-1530/A/BAQE/3	500	DN 80	3 x 400 V ~ [1]	1441	3,6	3,00	4,0	–	6,2	IE2	MEC100L	–	43,2
DCM-G 80-1700/A/BAQE/4	500	DN 80	3 x 400 V ~ [1]	1452	3,9	4,00	5,5	–	7,9	IE2	MEC112M	–	69,3

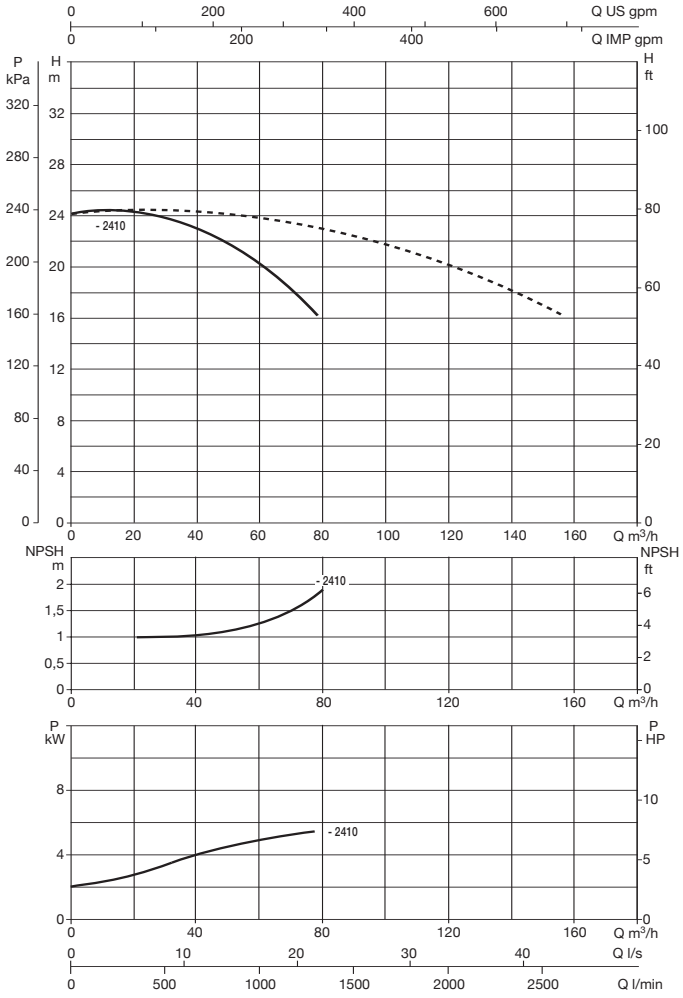
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													–	IE2								L/A	L/B	H		–	IE2
DCM-G 80-1530/A/BAQE/3	362	662	732	405	415	820	80	137	200	160	18	8	–	650	115	100	500	220	280	M16	235	500	820	650	0,27	–	244
DCM-G 80-1700/A/BAQE/4	362	662	732	405	415	820	80	137	200	160	18		–	735	115	100	500	220	280	M16	235	500	820	735	0,30	–	270

DCM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

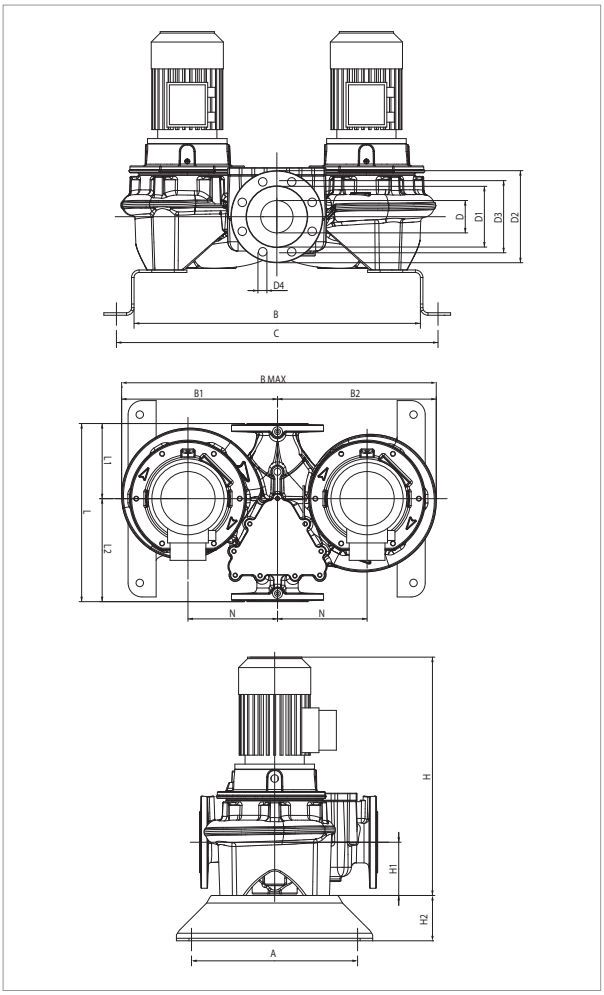
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								–	IE2			–	IE2
						kW	HP	400					
DCM-G 80-2410/A/BAQE/5,5	620	DN 80	3 x 400 V ~ [1]	1461	6,5	5,50	7,5	–	10,6	IE2	MEC132S	–	84,5

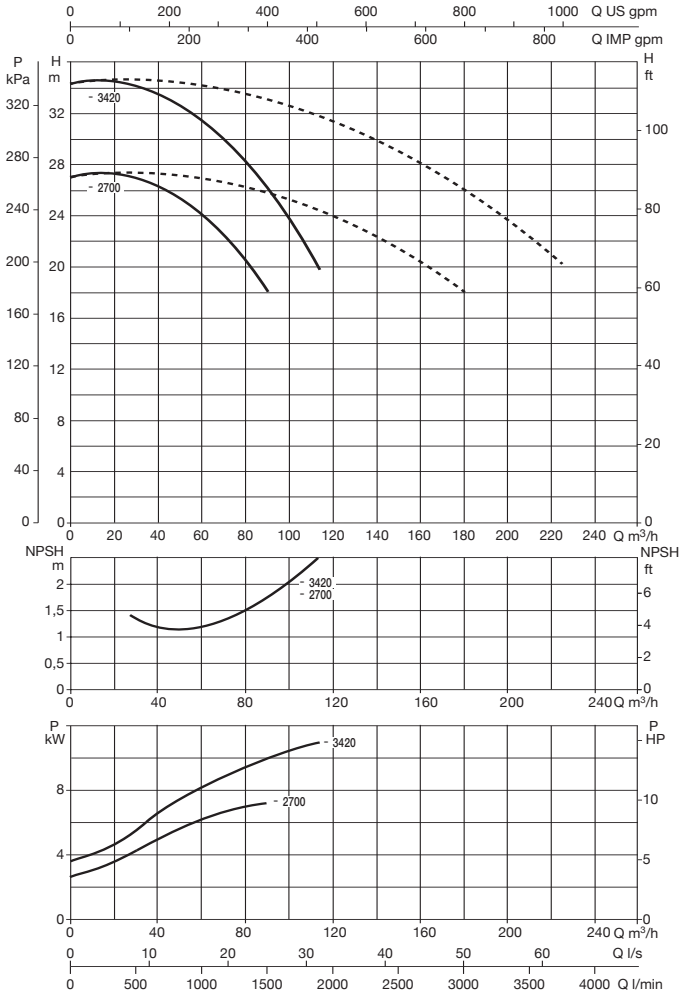
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													–	IE2								L/A	L/B	H		–	IE2
DCM-G 80-2410/A/BAQE/5,5	500	804	924	530	540	1070	80	137	200	160	18	8	–	803	140	100	620	280	340	M16	300	620	1070	803	0,53	–	435

DCM-G 80 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

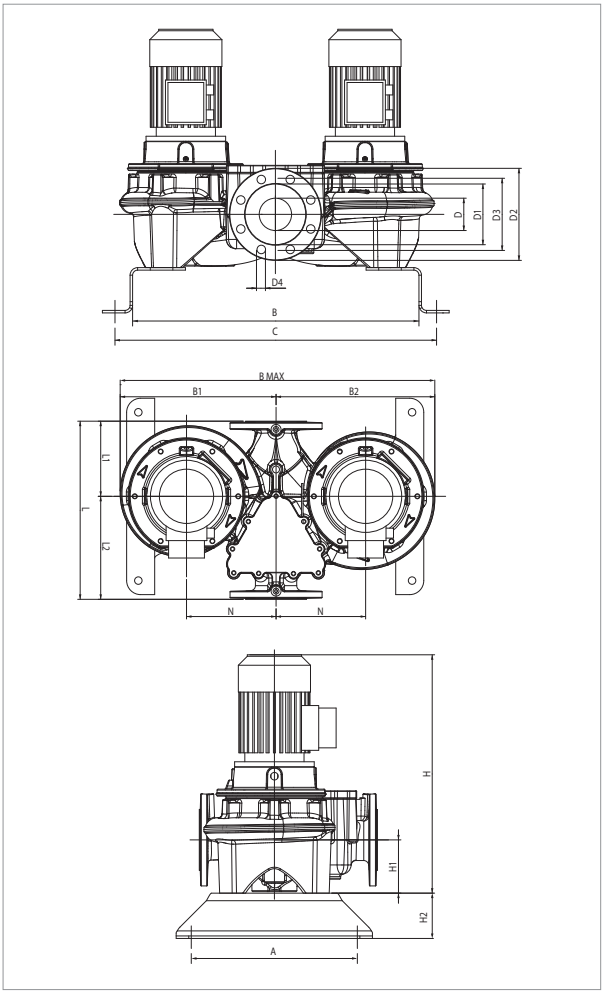
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCM-G 80-2700/A/BAQE/7,5	620	DN 80	3 x 400 V ~ [1]	1463	8,7	7,50	10,0	14,2	14,6	IE2 / IE3	MEC132M	123,5	124,1
DCM-G 80-3420/A/BAQE/11	620	DN 80	3 x 400 V ~ [1]	1472	12,7	11,00	15,0	21,6	20,5	IE2 / IE3	MEC160M	179,7	172,2

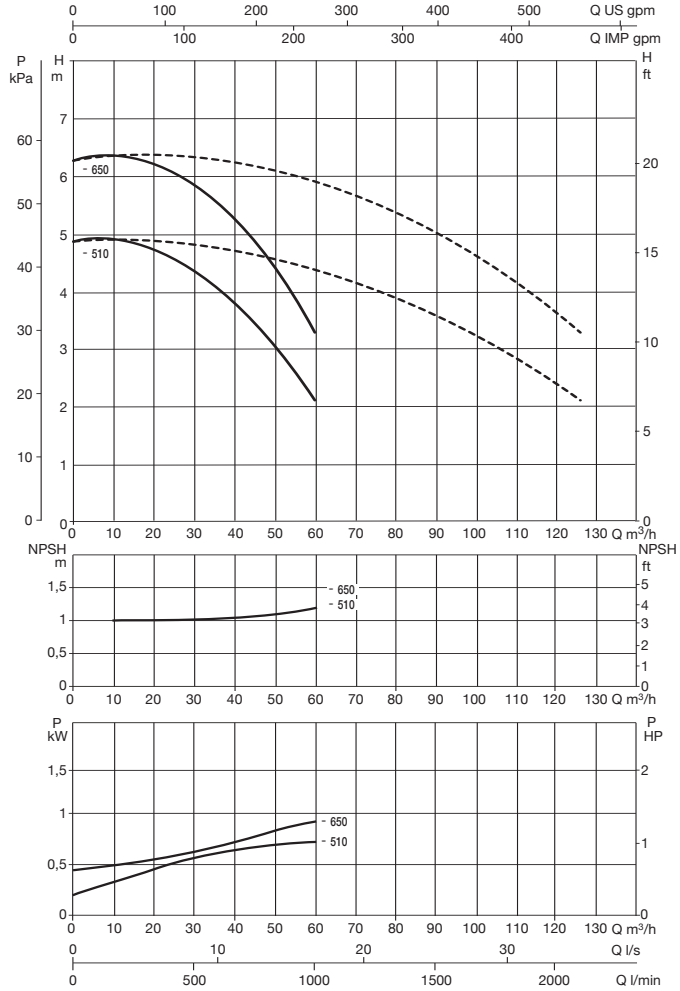
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 80-2700/A/BAQE/7,5	500	804	924	530	540	1070	80	137	200	160	18	8	843	850	140	100	620	280	340	M16	300	620	1070	843	0,56	487	468
DCM-G 80-3420/A/BAQE/11	500	804	924	530	540	1070	80	137	200	160	18		948	948	140	100	620	280	340	M16	300	620	1070	948	0,63	521	502

DCM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

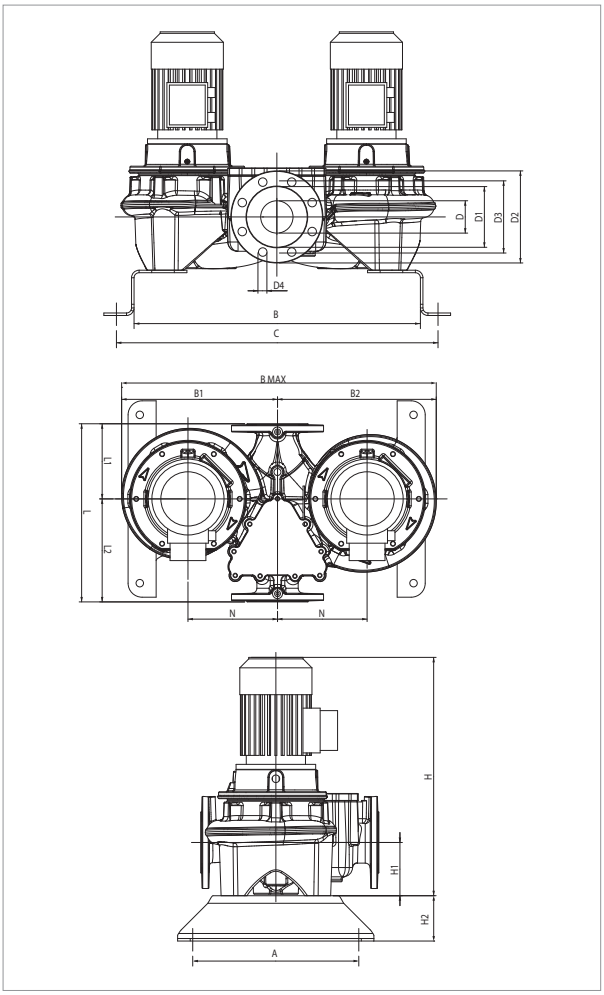
For the MEI index refer to the hydraulic data of the individual pump.

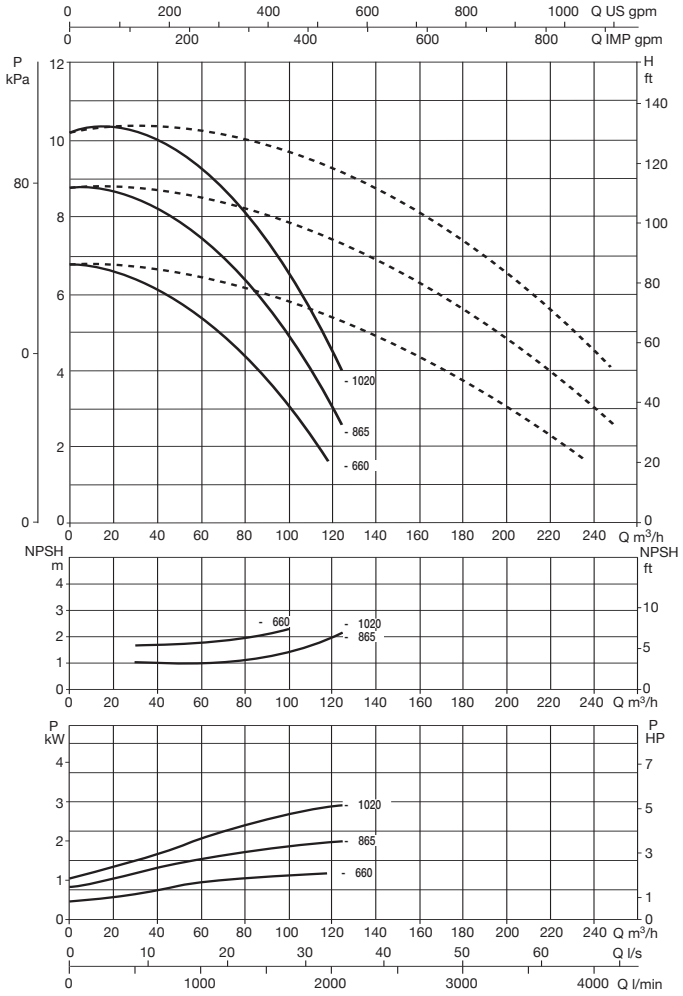
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3					
						kW	HP	230	400	230	400			IE2	IE3
DCM-G 100-510/A/BAQE/0,75	500	DN 100	3 x 230 - 400 V ~	1430	1,2	0,75	1,00	3,6	2,1	–	–	IE2	MEC80M	23.7/13.7	–
DCM-G 100-650/A/BAQE/1,1	500	DN 100	3 x 230 - 400 V ~	1440	1,4	1,10	1,50	4,7	2,7	–	–	IE2	MEC90S	34/19.6	–

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 100-510/A/BAQE/0,75	362	637	717	330	345	675	100	156	220	180	18	8	573	–	140	100	500	191	309	M16	200	500	675	573	0,19	213	–
DCM-G 100-650/A/BAQE/1,1	362	637	717	330	345	675	100	156	220	180	18		613	–	140	100	500	191	309	M16	200	500	675	613	0,21	222	–

DCM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

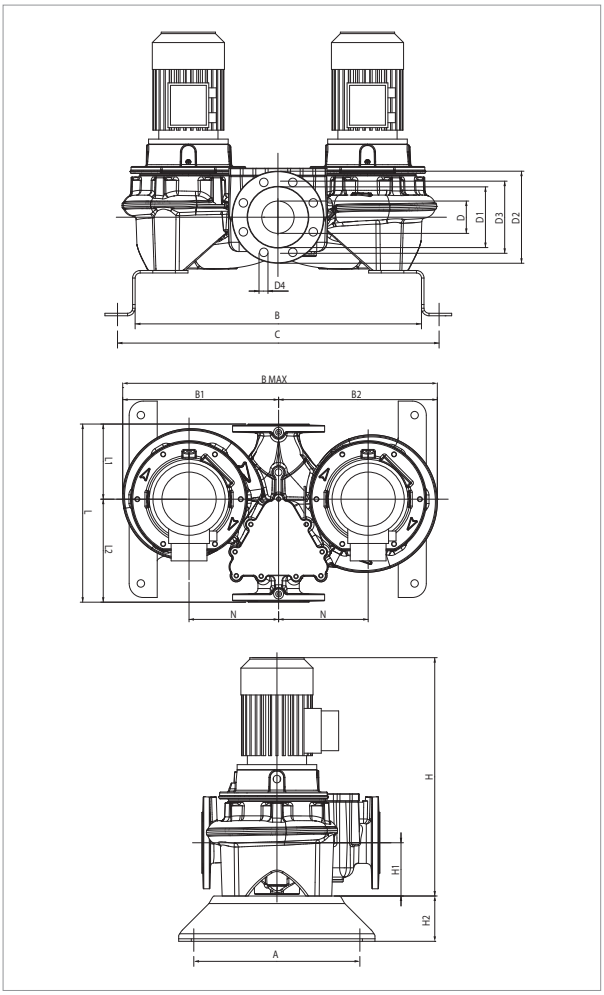
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3				IE2	IE3
						kW	HP	230	400	230	400				
DCM-G 100-660/A/BAQE/1,5	550	DN 100	3 x 230 - 400 V ~	1430	2,0	1,50	2,00	6,2	3,6	–	–	IE2	MEC90L	41.6/24	–
DCM-G 100-865/A/BAQE/2,2	550	DN 100	3 x 230 - 400 V ~	1455	3,0	2,20	3,00	8,7	5,0	–	–	IE2	MEC100L	73.5/42.2	–
DCM-G 100-1020/A/BAQE/3	550	DN 100	3 x 400 V ~ [1]	1441	3,6	3,00	4,00	-	6,2	–	–	IE2	MEC100L	43,2	–

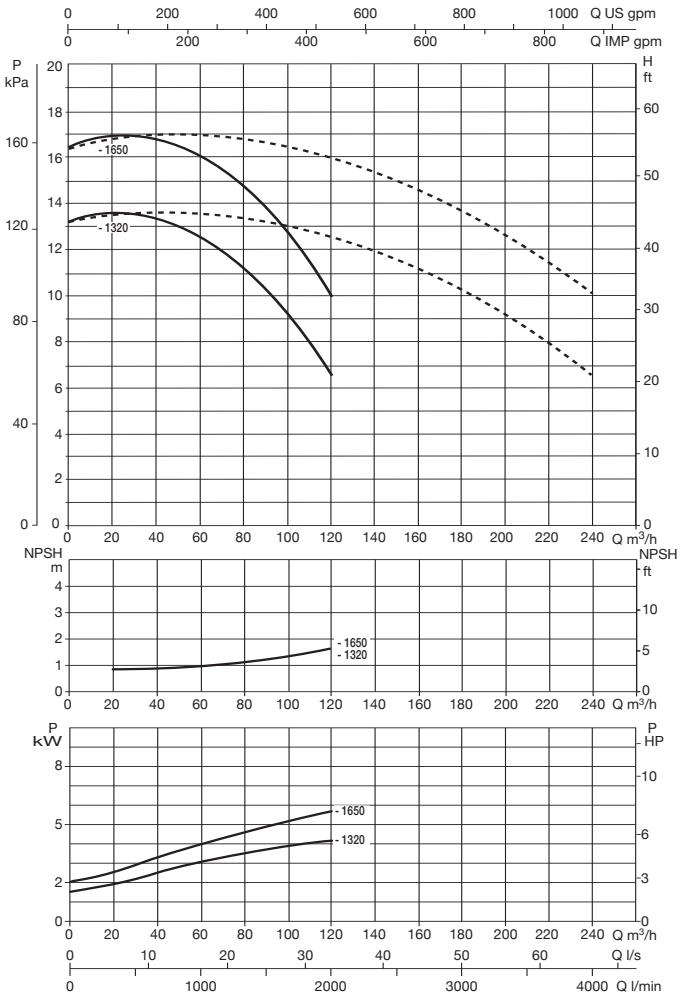
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 100-660/A/BAQE/1,5	362	733	813	395	410	805	100	156	220	180	18	8	648	–	140	100	550	221	329	M16	235	550	805	648	0,29	256	–
DCM-G 100-865/A/BAQE/2,2	362	733	813	395	410	805	100	156	220	180	18		666	–	140	100	550	221	329	M16	235	550	805	666	0,29	246	–
DCM-G 100-1020/A/BAQE/3	362	733	813	395	410	805	100	156	220	180	18		666	–	140	100	550	221	329	M16	235	550	805	666	0,29	257	–

DCM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

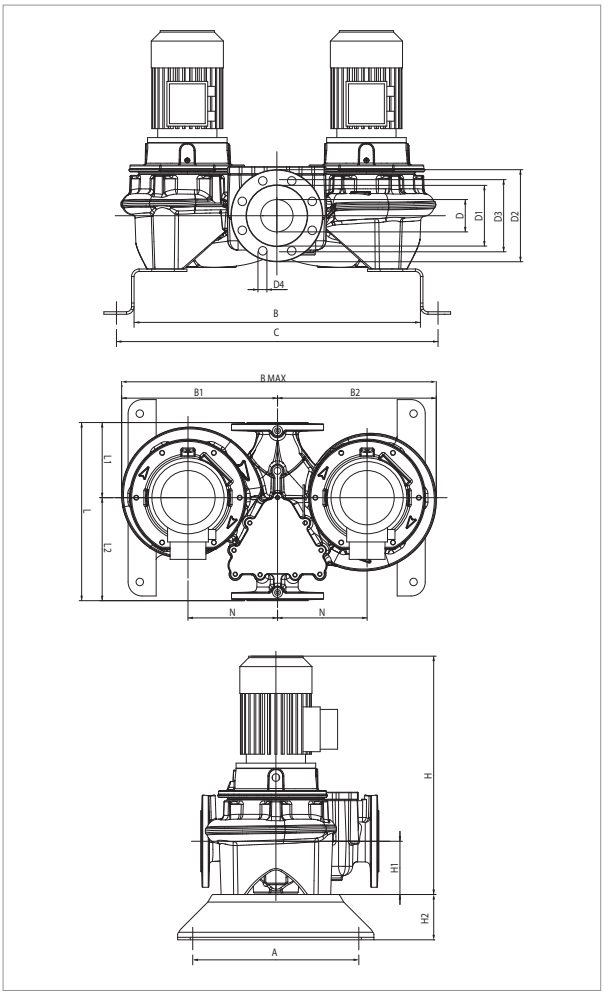
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCM-G 100-1320/A/BAQE/4	550	DN100	3 x 400 V ~ [1]	1450	4,6	4,00	5,50	7,9	–	IE2	MEC112M	69,3	–
DCM-G 100-1650/A/BAQE/5,5	550	DN100	3 x 400 V ~ [1]	1464	6,9	5,50	7,50	10,6	–	IE2	MEC132S	84,5	–

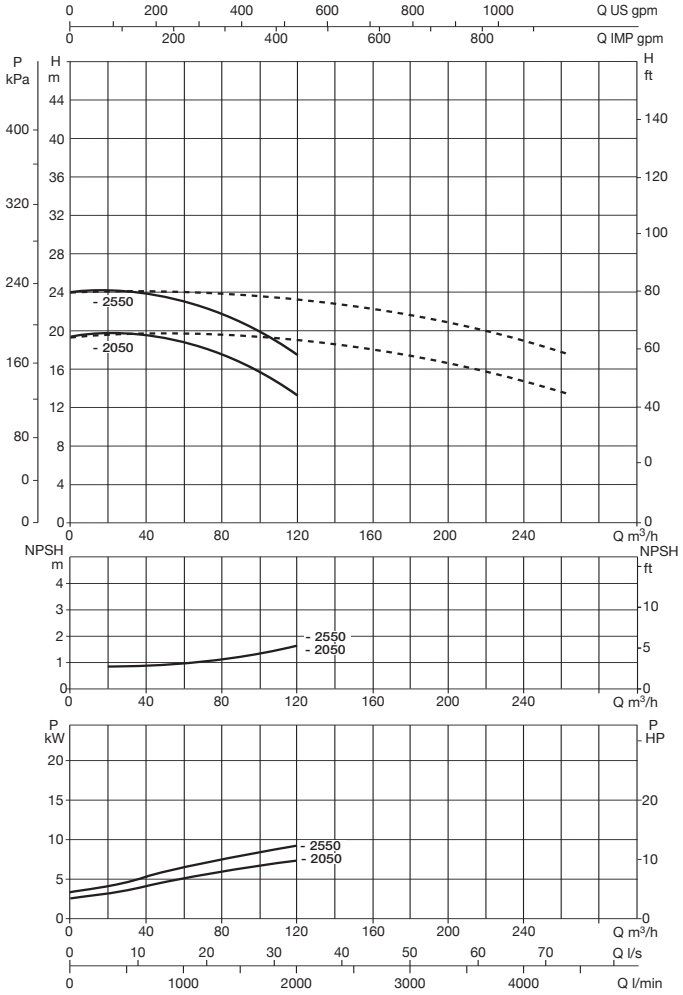
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 100-1320/A/BAQE/4	362	753	833	430	440	870	100	156	220	180	18	8	811	–	140	100	550	221	329	M16	250	550	870	811	0,39	301	–
DCM-G 100-1650/A/BAQE/5,5	362	753	833	430	440	870	100	156	220	180	18		812	–	140	100	550	221	329	M16	250	550	870	812	0,39	344	–

DCM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

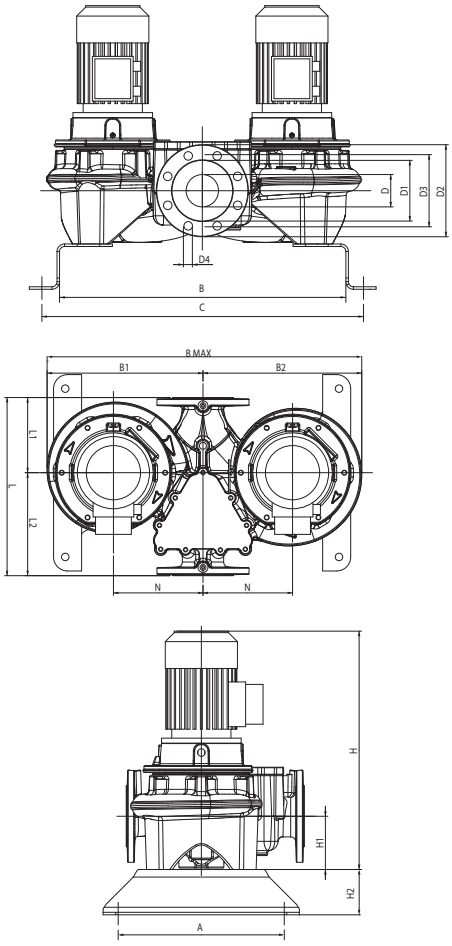
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCM-G 100-2050/A/BAQE/7,5	670	DN 100	3 x 400 V ~ [1]	1461	8,5	7,50	10,00	14,2	14,6	IE2 / IE3	MEC132M	124,1	123,5
DCM-G 100-2550/A/BAQE/11	670	DN 100	3 x 400 V ~ [1]	1470	12,1	11,00	15,00	21,6	20,5	IE2 / IE3	MEC160M	172,2	179,7

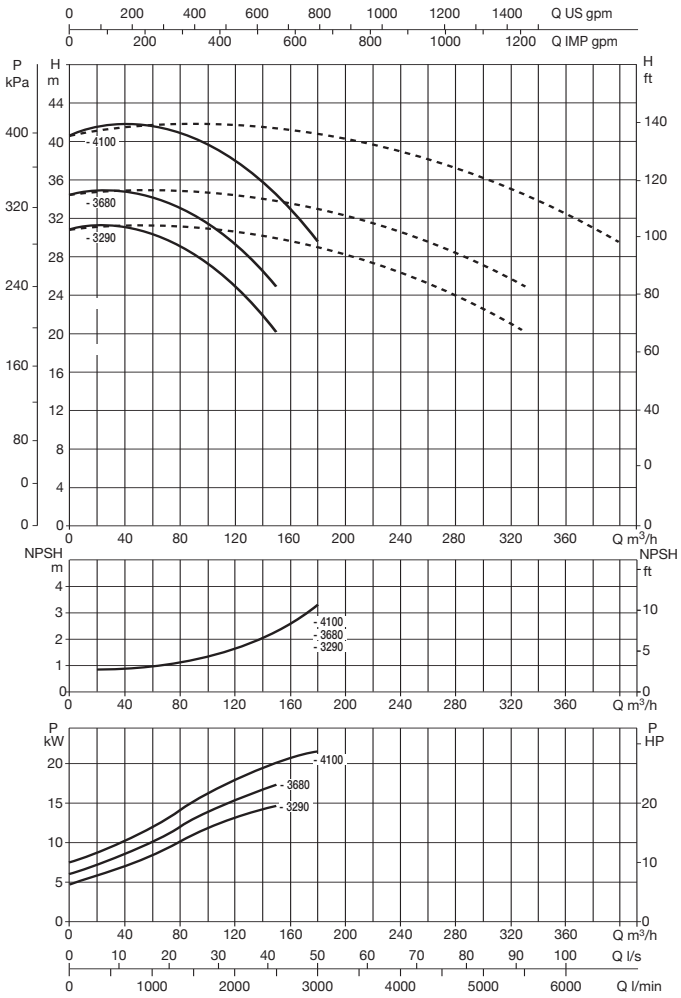
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 100-2050/A/BAQE/7,5	500	836	956	560	575	1135	100	156	220	180	18	8	888	895	175	100	670	266	404	M16	300	670	1135	888	0,68	546	527
DCM-G 100-2550/A/BAQE/11	500	836	956	560	575	1135	100	156	220	180	18		993	993	175	100	670	266	404	M16	300	670	1135	993	0,76	553	534

DCM-G 100 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

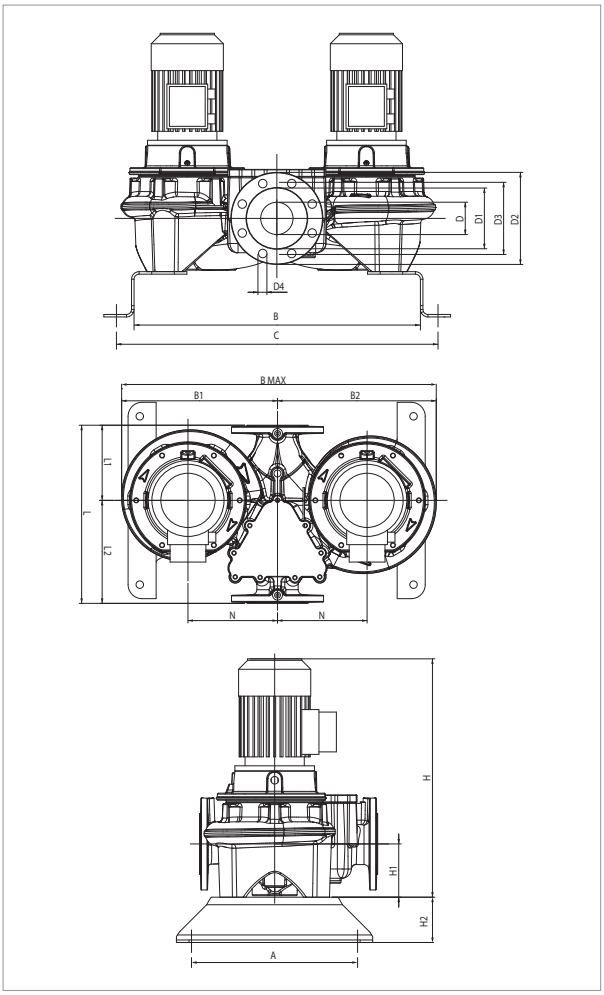
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3			IE2	IE3
						kW	HP	400					
DCM-G 100-3290/A/BAQE/15	670	DN 100	3 x 400 V ~ [1]	1471	17,1	15,00	20,00	29	28	IE2 / IE3	MEC160L	236,6	232,4
DCM-G 100-3680/A/BAQE/18,5	670	DN 100	3 x 400 V ~ [1]	1470	19,6	18,50	25,00	33	33,4	IE2 / IE3	MEC180M	252,8	268,6
DCM-G 100-4100/A/BAQE/22	670	DN 100	3 x 400 V ~ [1]	1470	22,4	22,00	30,00	40	40,5	IE2 / IE3	MEC180L	314,4	336,1

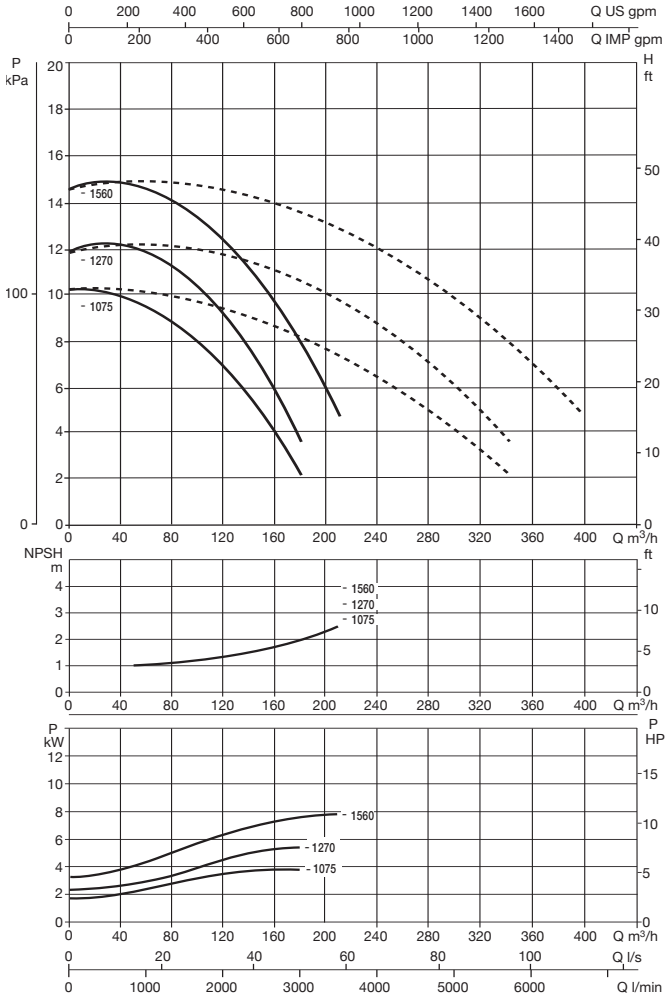
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 100-3290/A/BAQE/15	500	836	956	560	575	1135	100	156	220	180	18	8	1,048	1036	175	100	670	266	404	M16	300	670	1135	1048	0,80	741	723
DCM-G 100-3680/A/BAQE/18,5	500	836	956	560	575	1135	100	156	220	180	18		1,068	1068	175	100	670	266	404	M16	300	670	1135	1068	0,81	898	860
DCM-G 100-4100/A/BAQE/22	500	836	956	560	575	1135	100	156	220	180	18		1,106	1106	175	100	670	266	404	M16	300	670	1135	1106	0,84	1006	969

DCM-G 125 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

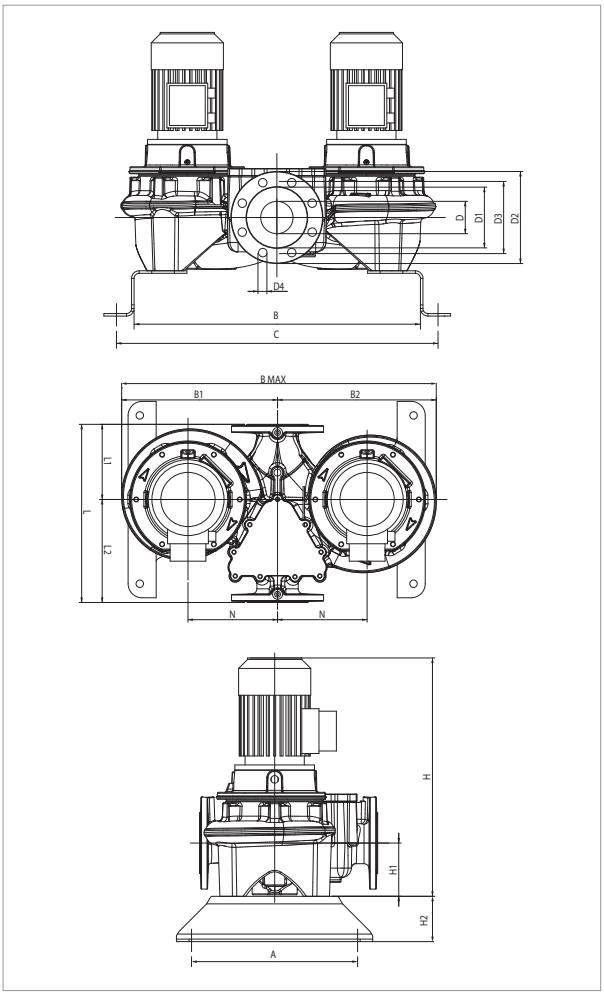
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCM-G 125-1075/A/BAQE/4	620	DN 125	3 x 400 V ~ [1]	1455	5,1	4,00	5,50	7,9	–	IE2	MEC112M	69,3	–
DCM-G 125-1270/A/BAQE/5,5	620	DN 125	3 x 400 V ~ [1]	1465	7,2	5,50	7,50	10,6	–	IE2	MEC132S	84,5	–
DCM-G 125-1560/A/BAQE/7,5	620	DN 125	3 x 400 V ~ [1]	1469	9,5	7,50	10,00	14,6	–	IE3	MEC132M	124,1	–

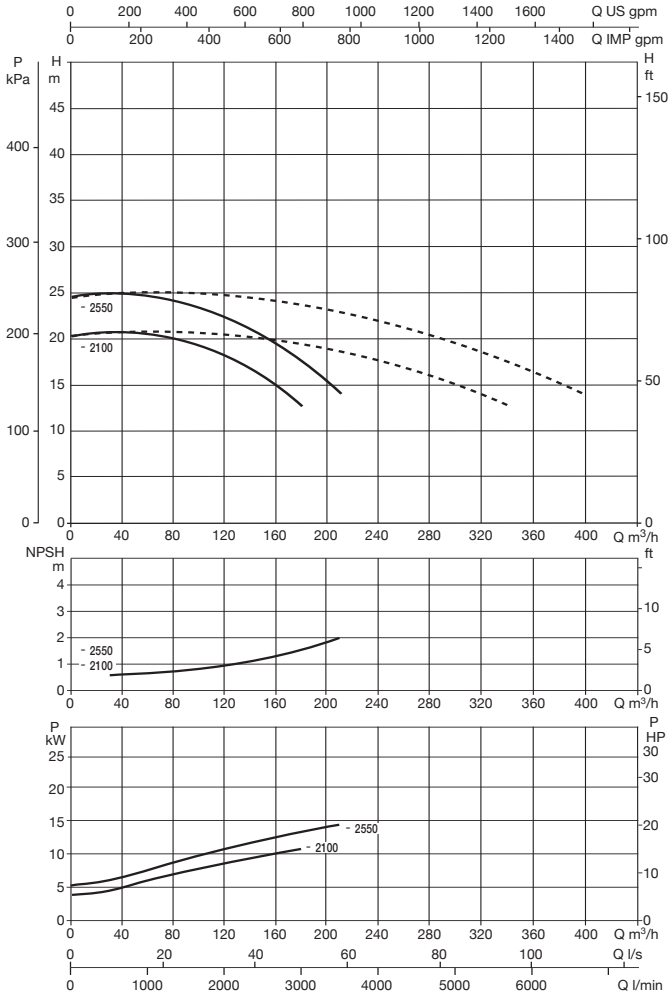
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 125-1075/A/BAQE/4	500	810	930	515	535	1050	125	185	250	210	14		897	–	215	100	620	226	394	M16	300	620	1050	897	0,58	494	–
DCM-G 125-1270/A/BAQE/5,5	500	810	930	515	535	1050	125	185	250	210	14	8	893	–	215	100	620	226	394	M16	300	620	1050	893	0,58	496	–
DCM-G 125-1560/A/BAQE/7,5	500	810	930	515	535	1050	125	185	250	210	14		940	–	215	100	620	226	394	M16	300	620	1050	933	0,61	507	–

DCM-G 125 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

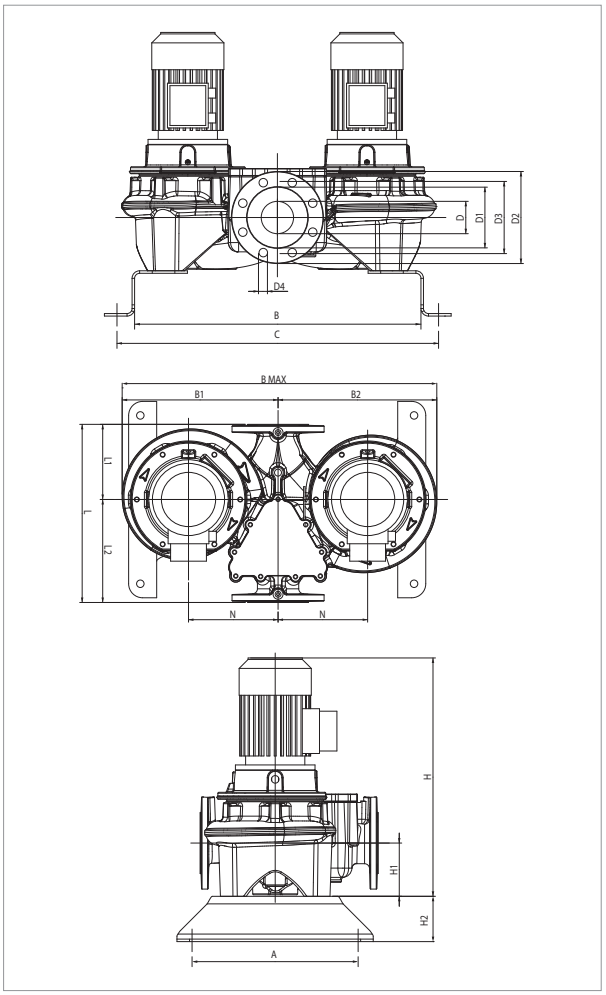
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCM-G 125-2100/A/BAQE/11	800	DN 125	3 x 400 V ~ [1]	1475	13,6	11,00	15,00	21,6	20,5	IE2 / IE3	MEC160M	179,7	172,2
DCM-G 125-2550/A/BAQE/15	800	DN 125	3 x 400 V ~ [1]	1470	16,3	15,00	20,00	29	28	IE2 / IE3	MEC160L	236,6	232,4

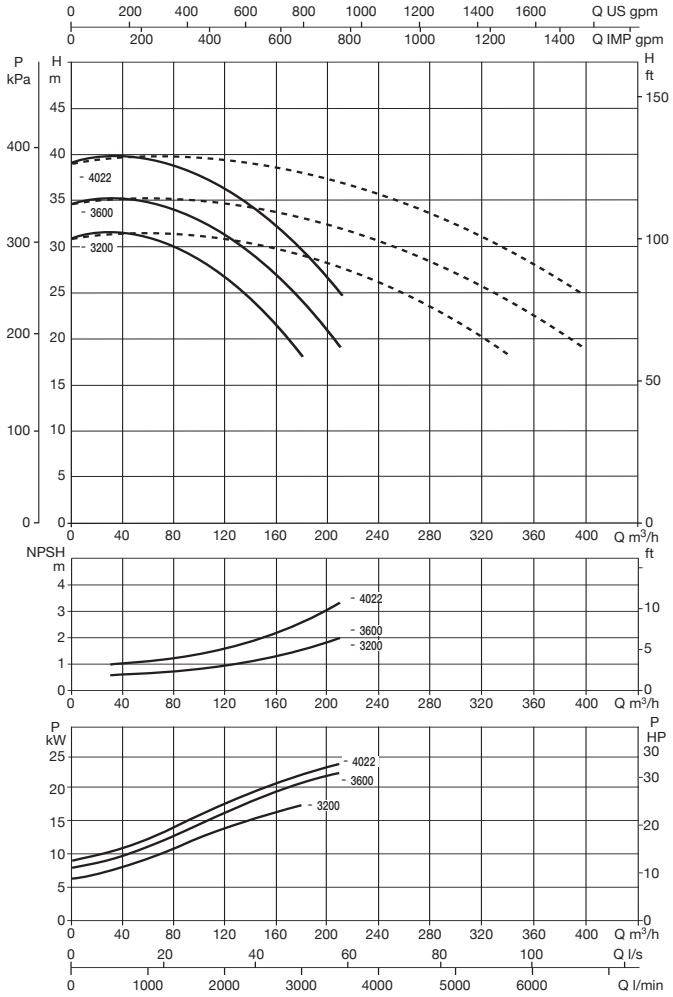
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 125-2100/A/BAQE/11	500	810	930	555	571	1126	125	185	250	210	14	8	1,053	1038	215	100	800	316	484	M16	300	800	1126	1053	0,95	756	737
DCM-G 125-2550/A/BAQE/15	500	810	930	555	571	1126	125	185	250	210	14		1,108	1096	215	100	800	316	484	M16	300	800	1126	1108	1,00	868	850

DCM-G 125 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

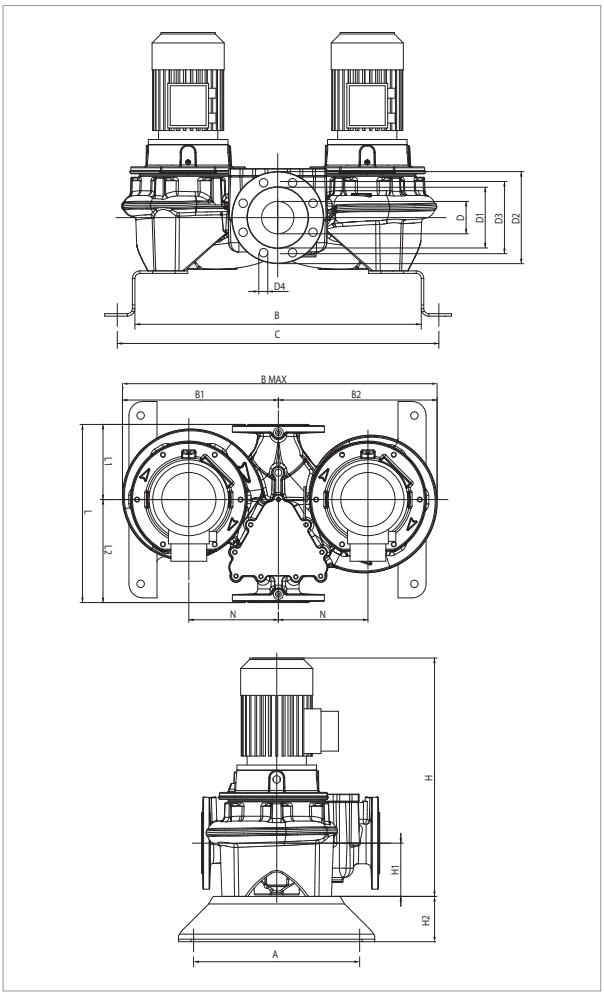
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCM-G 125-3200/A/BAQE/18,5	800	DN 125	3 x 400 V ~ [1]	1471	17,9	18,50	25,00	33	33,4	IE2 / IE3	MEC180M	252,8	268,6
DCM-G 125-3600/A/BAQE/22	800	DN 125	3 x 400 V ~ [1]	1470	22,4	22,00	30,00	40	40,5	IE2 / IE3	MEC180L	314,4	336,1
DCM-G 125-4022/A/BAQE/30	800	DN 125	3 x 400 V ~ [1]	1478	26,5	30,00	40,00	53,31	53,5	IE2 / IE3	MEC200L	464,9	460,1

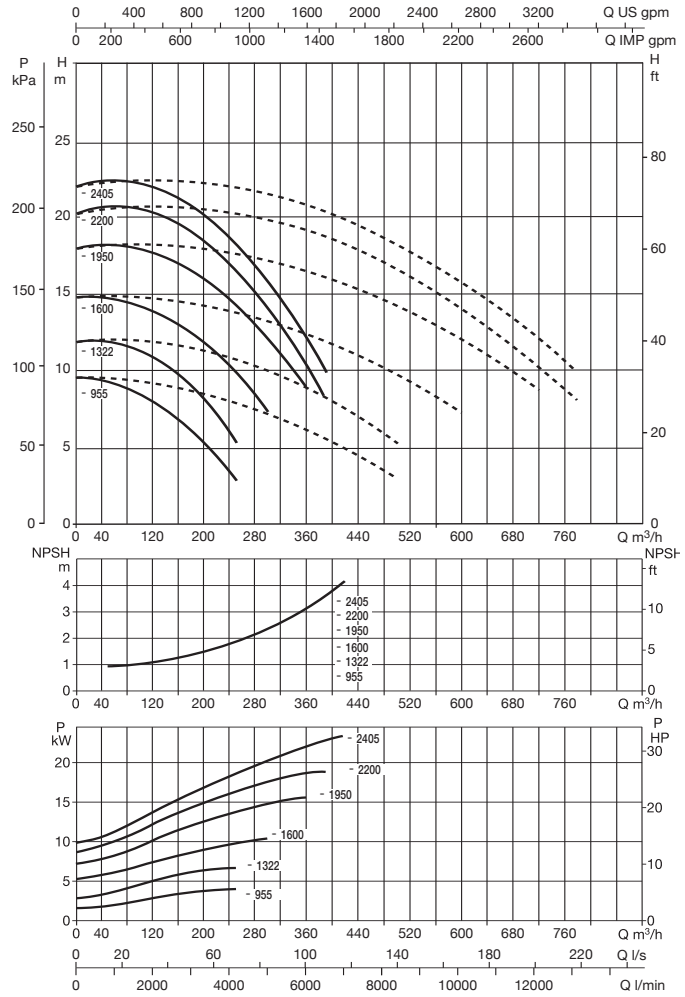
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 125-3200/A/BAQE/18,5	500	810	930	555	571	1126	125	185	250	210	14	8	1.128	1128	215	100	800	316	484	M16	300	800	1126	1128	1,02	926	888
DCM-G 125-3600/A/BAQE/22	500	810	930	555	571	1126	125	185	250	210	14		1.166	1166	215	100	800	316	484	M16	300	800	1126	1166	1,05	970	933
DCM-G 125-4022/A/BAQE/30	500	810	930	555	571	1126	125	185	250	210	14		1.186	1196	215	100	800	316	484	M16	300	800	1126	1186	1,07	1069	1073

DCM-G 150 4 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

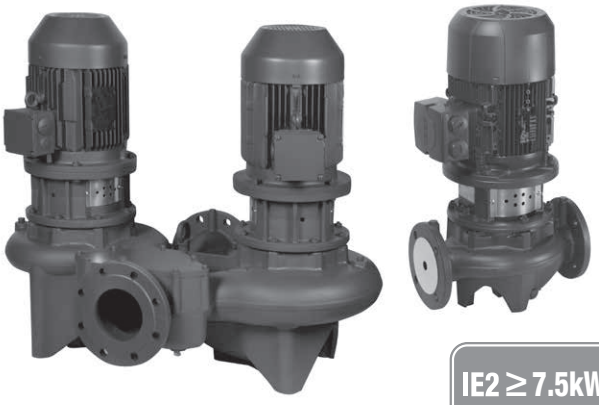
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCM-G 150-955/A/BAQE/5,5	800	DN 150	3 x 400 V ~ [1]	1462	7,5	5,50	7,50	10,6	–	MEC132S	IE2	84,5	–
DCM-G 150-1322/A/BAQE/7,5	800	DN 150	3 x 400 V ~ [1]	1464	8,9	7,50	10,00	14,2	14,6	MEC132M	IE2 / IE3	123,5	124,1
DCM-G 150-1600/A/BAQE/11	800	DN 150	3 x 400 V ~ [1]	1473	13,0	11,00	15,00	21,6	20,5	MEC160M	IE2 / IE3	179,7	172,2
DCM-G 150-1950/A/BAQE/15	800	DN 150	3 x 400 V ~ [1]	1472	17,5	15,00	20,00	29	28	MEC160L	IE2 / IE3	236,6	232,4
DCM-G 150-2200/A/BAQE/18,5	800	DN 150	3 x 400 V ~ [1]	1472	21,1	18,50	25,00	33	33,4	MEC180M	IE2 / IE3	252,8	268,6
DCM-G 150-2405/A/BAQE/22	800	DN 150	3 x 400 V ~ [1]	1470	23,8	22,00	30,00	40	40,5	MEC180L	IE2 / IE3	314,4	336,1

[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCM-G 150-955/A/BAQE/5,5	500	805	925	550	580	1130	150	210	285	240	22	8	916	–	215	100	800	296	504	M16	300	800	1130	916	0,83	651	–
DCM-G 150-1322/A/BAQE/7,5	500	805	925	550	580	1130	150	210	285	240	22		956	963	215	100	800	296	504	M16	300	800	1130	956	0,86	681	662
DCM-G 150-1600/A/BAQE/11	500	805	925	550	580	1130	150	210	285	240	22		1.061	1.061	215	100	800	296	504	M16	300	800	1130	1061	0,96	707	688
DCM-G 150-1950/A/BAQE/15	500	805	925	550	580	1130	150	210	285	240	22		1.116	1104	215	100	800	296	504	M16	300	800	1130	1116	1,01	806	788
DCM-G 150-2200/A/BAQE/18,5	500	805	925	550	580	1130	150	210	285	240	22		1.136	1136	215	100	800	296	504	M16	300	800	1130	1136	1,03	834	796
DCM-G 150-2405/A/BAQE/22	500	805	925	550	580	1130	150	210	285	240	22		1.174	1174	215	100	800	296	504	M16	300	800	1130	1174	1,06	967	930

CP / CP-G / DCP / DCP-G

ELECTRIC IN-LINE PUMPS



ENERGY EFFICIENCY IE3 ≥ 0,75 kW

IE2 ≥ 7.5kW ONLY FOR EXTRA MARKETS EU

TECHNICAL DATA

Operating range: from 3,6 to 420 m3/h with head of up to 102 metres.
Pumped liquid: clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water. Maximum, glycol content 30 % (for other glycol percentages contact Technical Support).
Liquid temperature range:
from -10 °C to +130 °C for DN 40 - DN 50.
from -10 °C to +140 °C for the remainder of the range.
Maximum ambient temperature: +40 °C.
Maximum operating pressure:
PN10 : for DN 40 - DN 50.
PN16 : Remainder of the range.
Flanging: PN 16.
Special executions on request: Other voltages and/or frequencies.
Protection: IP 55.
Insulation: class F

APPLICATIONS

In-line port circulation pumps, suitable for heating, air conditioning, refrigeration and sanitary water systems.
Available in the single and twin versions.

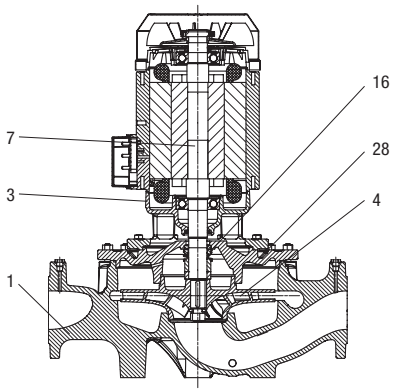
CONSTRUCTION FEATURES

PN 10 - PN 16 flanged suction and delivery ports with threaded holes for control manometers.
Cast iron pump body and motor support, cast iron or technopolymer impeller depending on mode.
Stainless steel motor shaft.
External ventilation three-phase asynchronous motor. For its protection we recommend the use of remote overload cut-outs, in compliance with current local regulations.

MATERIALS

N.	PARTS*	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185
3	SUPPORT	CAST IRON 250 UNI ISO 185
4	IMPELLER	CAST IRON FOR DN 65-80-100-125-150 / DCP Dn 40 - 50 / CP 40-3800T, CP 40-4700T, CP 40-5500T, CP 40-6200T, CP 50-4600T, CP 50-5100T, CP 50-5650T
		TECHNOPOLYMER B FOR CP 40-1900T, CP 40-2300T, CP 40-2700T, CP 40-3500T, CP 50-2200T, CP 50-2600T, CP 50-3100T, CP 50/4100T
7	SHAFT WITH ROTOR	AISI 304 STAINLESS STEEL X5 CrNiS 1809 UNI 6900/71
16	MECHANICAL SEAL	CARBON/GRAPHITE
28	OR RING	EPDM RUBBER

* In contact with the liquid



– Denomination index:

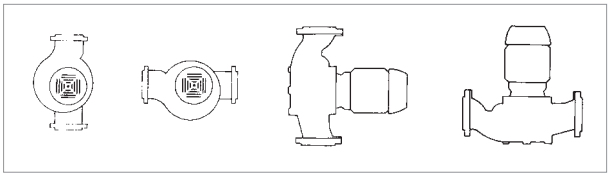
(example)

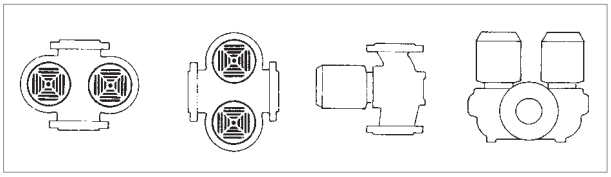
D C M - G 65 420 A BAQE 0,25

- Single pump
D - Twin pump
Circulator
M = 4-pole motor
M = 2-pole motor
G = version with coupling
(DN) nominal diameter of the flanged ports
Maximum head (cm)
A - Cast iron impeller
B - Bronze impeller
Mechanical seal type
Motor P2 in kW

Installation: horizontal or vertical position, provided that the motor is always above the pump.

Vertical installation only for powers exceeding 7,5 kW.

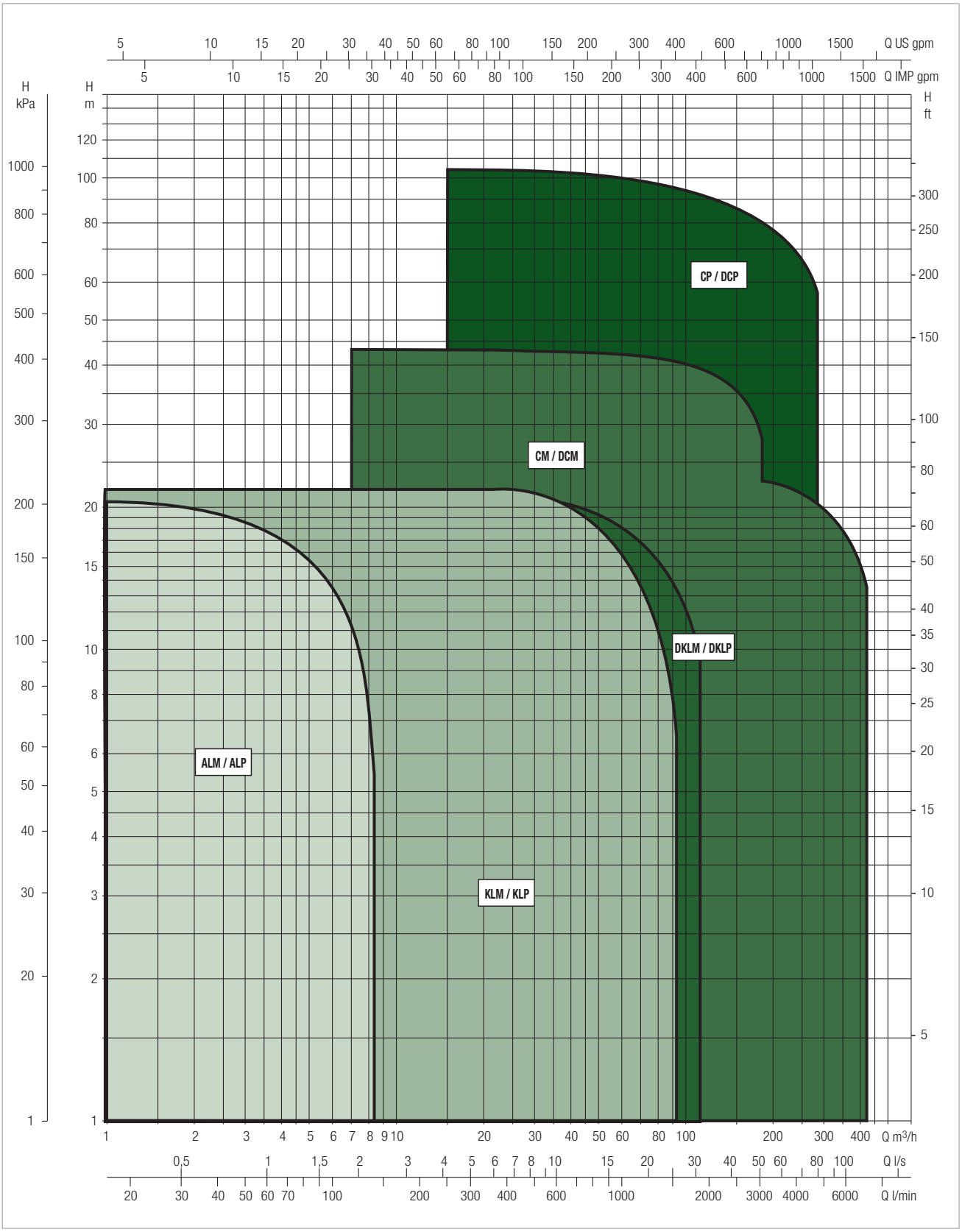




PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

GRAPHIC SELECTION TABLE



SELECTION TABLE - CP - 2 POLES

MODEL	Q=m³/h	0	3,6	4,8	6	12	18	24	30	36
	Q=l/min	0	60	80	100	200	300	400	500	600
CP 40/1900 T	H (m)	17,6	17,6	17,4	17	14				
CP 40/2300 T		21,8	21,8	21,3	21	18				
CP 40/2700 T		26,9	26,9	26,7	26,2	23,2				
CP 40/3500 T		34,8	34,9	34,7	34,2	31,7				
CP 40/3800 T					38	35	30			
CP 40/4700 T					47	44	39.5	35		
CP 40/5500 T					55	53	48	42		
CP 40/6200 T					62	59	54	49		

MODEL	Q=m³/h	0	3,6	4,8	6	12	18	24	30	36
	Q=l/min	0	60	80	100	200	300	400	500	600
CP 50/2200 T	H (m)				20	16,5	11			
CP 50/2600 T					25	22	16			
CP 50/3100 T					31	28,5	24			
CP 50/4100 T					40,7	38,5	34,5	27,7		
CP 50/4600 T							44	41,5	37	31
CP 50/5100 T							50	47,5	42,5	37
CP 50/5650 T							55,5	53	49	44

SELECTION TABLE - CP-G - 2 POLES

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150
	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500
CP-G 65-1470/A/BAQE/1.5	H (m)	14,7	14,5	14,3	13,8	13	11,8	10,5	8,6	7											
CP-G 65-1900/A/BAQE/2.2		19	18,7	18,4	17,8	17	15,9	14,6	13	11											
CP-G 65-2280/A/BAQE/3		22,8	22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5										
CP-G 65-2640/A/BAQE/4		26,4	26,2	26	25,6	25	24	23	21,5	19,5	17,5	15									
CP-G 65-3400/A/BAQE/5.5		34			34	33,5	32,5	31	29,5	27	24										
CP-G 65-4100/A/BAQE/7.5		41			41	41	40	39	37,5	35,5	33	30	26,5								
CP-G 65-4700/A/BAQE/11		47					45,5	45	44,3	43,3	42	40,8	39	37	35	32,3					
CP-G 65-5500/A/BAQE/15		55					56	55,5	54	53,5	52	51	49	47,5	45,5	43	41				
CP-G 65-6150/A/BAQE/18.5		61,5					62	62	61,5	60,5	59	58	56,5	55	53	51	48,5	43			
CP-G 65-7350/A/BAQE/22		73,5					75	74,5	73,8	73,5	71	68,5	67	65	62,5	60	57	49			
CP-G 65-9250/A/BAQE/30		92,5					94	94	94	93	91	89,4	87,5	85,6	83	81,5	78	72			

SELECTION TABLE - CP-G - 2 POLES

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150
	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500
CP-G 80-1400/A/BAQE/2.2		14				13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5					
CP-G 80-1700/A/BAQE/3		17				16,5	16	15,5	15	14,5	13,7	13	12	11	10	9					
CP-G 80-2050/A/BAQE/4		20,5				20	19,5	19,1	18,5	18	17,5	16,5	15,8	14,8	14	12,5	11,5				
CP-G 80-2400/A/BAQE/5.5		24				23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4			
CP-G 80-2770/A/BAQE/7.5		27,7								27,5	27,3	27,1	26,7	25,8	25,6	24,9	24,5	23	21,2	20,1	
CP-G 80-3250/A/BAQE/11		32,5								32,2	32	31,8	31,3	30,2	30	29,2	28,7	27	24,8	23,6	
CP-G 80-4000/A/BAQE/15	H (m)	40								40,2	40	39,8	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9
CP-G 80-5150/A/BAQE/18.5		51,5								52	52	51,5	50,5	50	49	48,5	47,5	45	42,5	41	
CP-G 80-5650/A/BAQE/22		56,5								58	58	57,5	57	56,5	56	55	54,5	53	51	49	
CP-G 80-6850/A/BAQE/30		68,5								70	70	70	68,5	69	68,8	68,5	67,5	66	64	63	57
CP-G 80-8600/A/BAQE/37		86								83	82,5	82,5	82	81,5	81	80	79	76,5	73,5	72	60
CP-G 80-9600/A/BAQE/45		96								92,5	92	92	91,5	91,5	91	90	89,5	87,5	85	83	72,5
CP-G 80-10200/A/BAQE/55		102						101,6	101,5	101,3	101,1	100,7	100,3	99,7	99,1	98,3	97,4	95,4	92,9	91,5	83,2

MODEL	Q= m³/h	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
	Q= l/min	0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
CP-G 100-1600/A/BAQE/4		16	15	14,6	14,2	13,7	13,3	12,8	12,3	11,7	11	10	9,3	8											
CP-G 100-1950/A/BAQE/5.5		19,5	19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12										
CP-G 100-2350/A/BAQE/7.5		23,5	23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12									
CP-G 100-2400/A/BAQE/11		24										22	21,4	20,4	20	17,4	16,8	12							
CP-G 100-3050/A/BAQE/15		30,5										29	28,4	27,5	27	24,5	21,3	18,3							
CP-G 100-3550/A/BAQE/18.5	H (m)	35,5										34,3	33,6	32,6	32,3	29,8	26,8	23,6	20						
CP-G 100-3850/A/BAQE/22		38,5										37,2	36,8	36	35,8	33,5	30,8	27,5	24						
CP-G 100-4800/A/BAQE/30		48										48,5	48,2	47,5	47	44,7	41	36	29						
CP-G 100-5600/A/BAQE/37		56										58	57,5	57,2	57	55	52	48	43						
CP-G 100-6300/A/BAQE/45		63										65,5	65	64	63	61,9	58,9	55,5	50,6	44,2					
CP-G 100-8300/A/BAQE/55		83										83,7	83,7	83,7	83,2	80,7	77,3	72,8	66,4	59,5					

MODEL	Q= m³/h	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
	Q= l/min	0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
CP-G 125-4750/A/BAQE/37		46,5														45	44	42	39	37	34,5	31	28		
CP-G 125-5300/A/BAQE/45	H (m)	51,5														51	50	48,5	46	44	42	39	35	31,5	
CP-G 125-5800/A/BAQE/55		57,5														57	56	55	53	51	49	46	43	39	36

SELECTION TABLE - DPC - 2 POLES

MODEL	Q=m³/h	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36	42	48	54	60	75	90	105	120	135
	Q=l/min	100	125	150	175	200	225	250	300	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250
DCP 40/1250 T	H (m)	12,5	11,5	10,5	9,5	8,1	6,8	5,2															
DCP 40/1650 T		16,5	15,5	14,5	13,5	12,3	11	9,5	6														
DCP 40/2050 T		20,5	20	19	18	17	16	15	11,5	7,5													
DCP 40/2450 T		24,5	24	23,5	23	22	21	20	16,5	13													

MODEL	Q=m³/h	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36	42	48	54	60	75	90	105	120	135
	Q=l/min	100	125	150	175	200	225	250	300	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250
DCP 50/1550 T	H (m)							15,5	15	14,1	13	11,8	10,5	7									
DCP 50/1900 T								19	18,5	17,5	16,5	15,5	14,5	10,5									
DCP 50/2450 T								24,5	24	23,5	23	22	20,5	17									
DCP 50/3000 T								30	29	28	26,5	25	23	18									
DCP 50/3650 T								36,5	35,5	34,5	33,5	32,5	31	27									

SELECTION TABLE - DPC-G - 2 POLES

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102
	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700
DCP-G 65-1470/A/BAQE/1.5	H (m)	14,4	14,2	13,8	13,1	12,0	10,6	9,0	7,0	5,3								
DCP-G 65-1900/A/BAQE/2.2		18,6	18,3	17,8	16,9	15,7	14,2	12,5	10,5	8,3								
DCP-G 65-2280/A/BAQE/3		22,3			21,1	19,9	18,4	16,8	14,7	12,5	10,2							
DCP-G 65-2640/A/BAQE/4		25,9			24,6	23,7	22,2	20,7	18,8	16,4	14,0	11,4						
DCP-G 65-3400/A/BAQE/5.5		33,3			32,5	31,4	29,7	27,4	25,0	21,7	18,2							
DCP-G 65-4100/A/BAQE/7.5		40,2			39,6	39,0	37,4	35,7	33,4	30,7	27,5	23,9	20,1					
DCP-G 65-4700/A/BAQE/11		46,4					44,3	43,6	42,6	41,3	39,6	38,1	35,9	33,6	31,3			
DCP-G 65-5500/A/BAQE/15		54,3					54,7	53,9	52,1	51,2	49,4	48,0	45,6	43,7	41,3	38,4	36,1	
DCP-G 65-6150/A/BAQE/18.5		60,8					60,7	60,4	59,7	58,4	56,5	55,2	53,3	51,4	49,0	46,7	43,8	37,8
DCP-G 65-7350/A/BAQE/22		72,6					73,4	72,6	71,6	70,9	68,0	65,1	63,2	60,7	57,8	54,9	51,5	43,1
DCP-G 65-9250/A/BAQE/30		91,4					92,0	91,6	91,2	89,7	87,2	85,0	82,5	80,0	76,8	74,6	70,5	63,3

SELECTION TABLE - DCP-G - 2 POLES

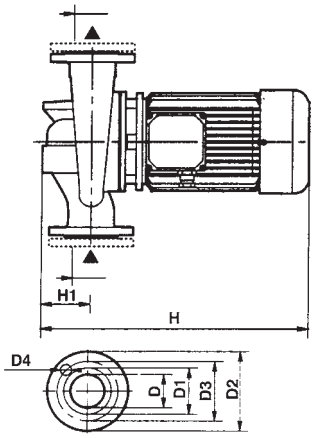
MODEL	Q=m³/h	0	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150
	Q=l/min	0	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500
DCP-G 80-1400/A/BAQE/2.2		13,7	14,3	13,7	13,0	12,3	11,4	10,3	9,1	7,8	6,5	5,2	4,0					
DCP-G 80-1700/A/BAQE/3		16,7	17,1	16,5	15,7	14,7	13,7	12,3	11,0	9,4	7,8	6,2	4,8					
DCP-G 80-2050/A/BAQE/4		20,1	20,8	20,1	19,5	18,4	17,4	16,2	14,6	13,1	11,3	9,7	7,7	6,1				
DCP-G 80-2400/A/BAQE/5.5		23,5	24,5	24,4	23,9	23,1	22,1	20,8	19,6	17,9	16,3	14,8	13,0	11,2	7,1			
DCP-G 80-2770/A/BAQE/7.5		27,1					26,6	26,0	25,3	24,3	22,8	21,9	20,5	19,3	16,2	13,0	11,3	
DCP-G 80-3250/A/BAQE/11		31,9					31,2	30,5	29,7	28,5	26,7	25,6	24,0	22,6	19,1	15,2	13,2	
DCP-G 80-4000/A/BAQE/15	H (m)	39,2					39,7	39,1	38,5	37,7	36,7	35,6	34,6	33,2	30,1	26,9	25,1	15,1
DCP-G 80-5150/A/BAQE/18.5		48,3					48,9	48,6	47,7	46,3	45,3	43,8	42,7	41,1	37,4	33,6	31,5	
DCP-G 80-5650/A/BAQE/22		53,0					54,5	54,2	53,2	52,3	51,2	50,1	48,4	47,2	44,0	40,3	37,7	
DCP-G 80-6850/A/BAQE/30		64,3					66,3	66,1	65,8	64,1	64,1	63,5	62,7	61,2	58,5	55,2	53,5	43,8
DCP-G 80-8600/A/BAQE/37		86,4					85,3	84,9	85,1	84,7	84,3	83,8	82,9	81,9	79,3	76,2	74,6	61,8
DCP-G 80-9600/A/BAQE/45		96,4					95,1	94,7	94,9	94,5	94,6	94,2	93,2	92,8	90,7	88,1	86,0	74,7
DCP-G 80-10200/A/BAQE/55		102,4			103,9	104,1	104,1	104,1	103,9	103,6	103,1	102,6	101,8	101,0	98,9	96,3	94,8	85,7

MODEL	Q=m³/h	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270
	Q=l/min	0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500
DCP-G 100-1600/A/BAQE/4		16,0	15,8	15,2	14,5	13,6	12,8	11,8	10,8	9,6	8,4	7,3	5,1	3,0						
DCP-G 100-1950/A/BAQE/5.5		19,5	20,1	19,8	19,2	18,5	17,7	16,5	15,5	14,5	13,3	11,8	9,0	6,0	4,5					
DCP-G 100-2350/A/BAQE/7.5		23,5	24,5	24,4	24,0	23,6	23,1	22,2	21,4	20,4	19,4	18,3	15,7	12,9	11,7	4,5				
DCP-G 100-2400/A/BAQE/11		23,6										21,9	21,0	19,7	19,1	15,5	13,4	8,2		
DCP-G 100-3050/A/BAQE/15		30,0										28,9	27,9	26,5	25,8	21,8	17,0	12,5		
DCP-G 100-3550/A/AQE/18,5	H (m)	34,9										34,6	33,5	32,1	31,6	27,8	23,3	18,5	13,7	
DCP-G 100-3850/A/BAQE/22		37,9										37,2	36,8	36,0	35,8	33,5	30,8	27,5	24,0	
DCP-G 100-4800/A/BAQE/30		52,7										52,1	51,6	50,7	50,0	47,1	42,7	37,0	29,3	
DCP-G 100-5600/A/BAQE/37		61,5										62,4	61,6	61,0	60,7	57,9	54,1	49,3	43,5	
DCP-G 100-6300/A/BAQE/45		68,1										70,1	69,3	67,9	66,7	62,7	57,1	49,5		
DCP-G 100-8300/A/BAQE/55		77,8										79,0	79,0	79,0	78,5	76,1	72,7	68,2	61,8	55,0

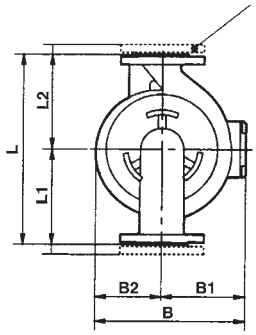
MODEL	Q=m³/h	0	150	180	210	240	270	300	330	360	390	420
	Q=l/min	0	2500	3000	3500	4000	4500	500	5500	6000	6500	7000
DCP-G 125-4750/A/BAQE/37		45,0	44,2	42,0	39,0	36,0	31,0	26,4	20,0	17,1		
DCP-G 125-5300/A/BAQE/45	H (m)	49,6	50,5	50,0	48,0	43,5	39,0	34,1	29,0	24,0	19,3	
DCP-G 125-5800/A/BAQE/55		55,7	56,7	56,0	52,0	50,0	46,0	41,7	39,0	32,0	28,0	22,0

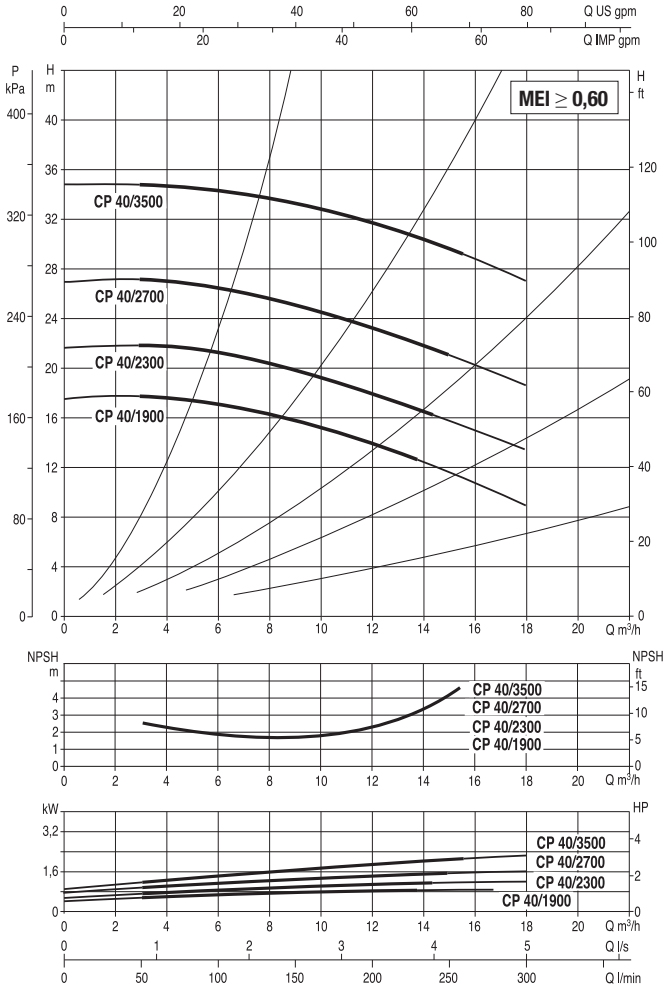
CP 40 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





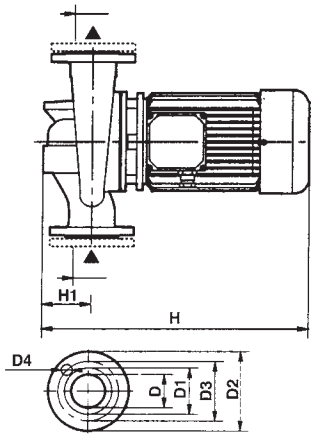
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								IE2		IE3		
						kW	HP	230	400	230	400	
CP 40/1900 T	390	DN 40	3 x 230 - 400 V ~	2910	1,1	0,75	1	5,4	3,1	–	–	IE2
CP 40/2300 T	390	DN 40	3 x 230 - 400 V ~	2870	1,45	1,1	1,5	5,9	3,4	–	–	IE2
CP 40/2700 T	390	DN 40	3 x 230 - 400 V ~	2850	1,89	1,5	2	7,1	4,1	–	–	IE2
CP 40/3500 T	390	DN 40	3 x 230 - 400 V ~	2880	2,53	2,21	3	8,9	5,1	–	–	IE2

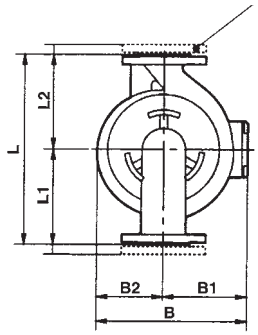
MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							IE2	IE3							L/A	L/B	H		IE2	IE3
CP 40/1900 T	390	200	190	231	118	113	453	–	95	40 PN 16	88	150	110	4 Ø 14	680	330	580	0,13	41	–
CP 40/2300 T	390	200	190	231	118	113	453	–	95	40 PN 16	88	150	110		680	330	580	0,13	41	–
CP 40/2700 T	390	200	190	231	118	113	453	–	95	40 PN 16	88	150	110		680	330	580	0,13	39	–
CP 40/3500 T	390	200	190	231	118	113	453	–	95	40 PN 16	88	150	110		680	330	580	0,13	44	–

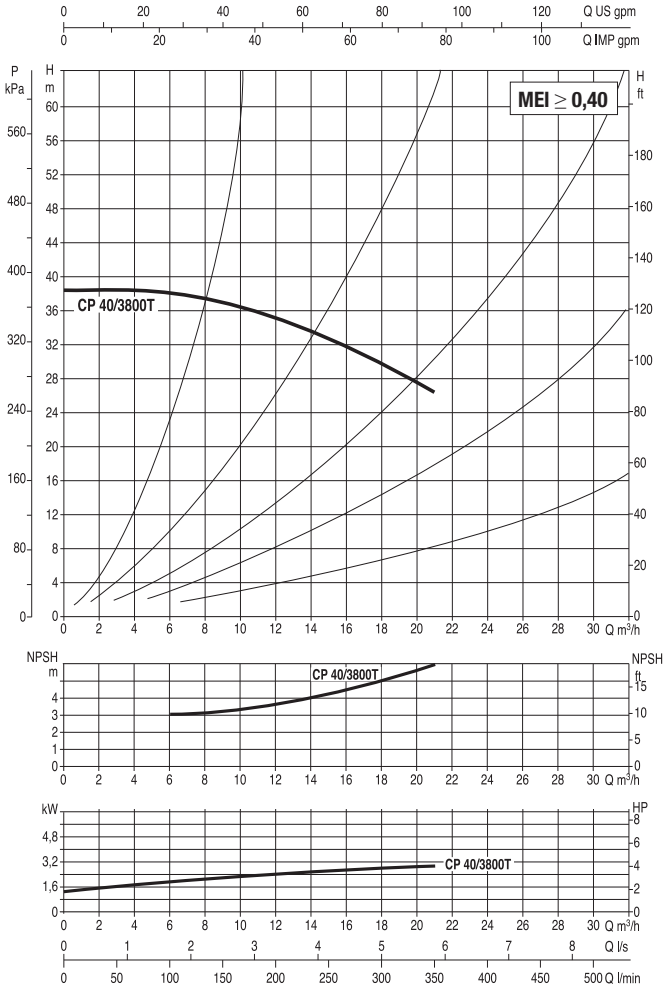
CP 40 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





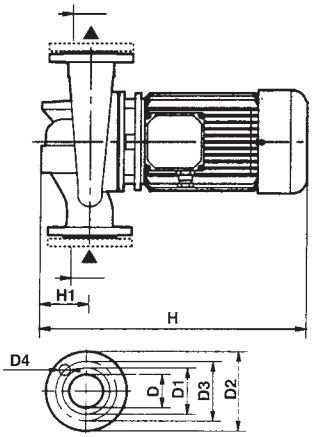
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								IE2		IE3		
						kW	HP	230	400	230	400	
CP 40/3800 T	380	DN 40	3 x 230 - 400 V ~	2900	3,54	3	4	10,2	5,9	–	–	IE2

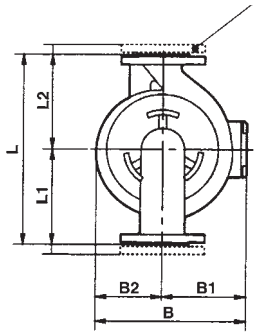
MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							IE2	IE3							L/A	L/B	H		IE2	IE3
CP 40/3800 T	320	170	150	257	149	108	485	–	100	40 PN 6	88	150	110	4 Ø 14	450	270	465	0,4	37	–

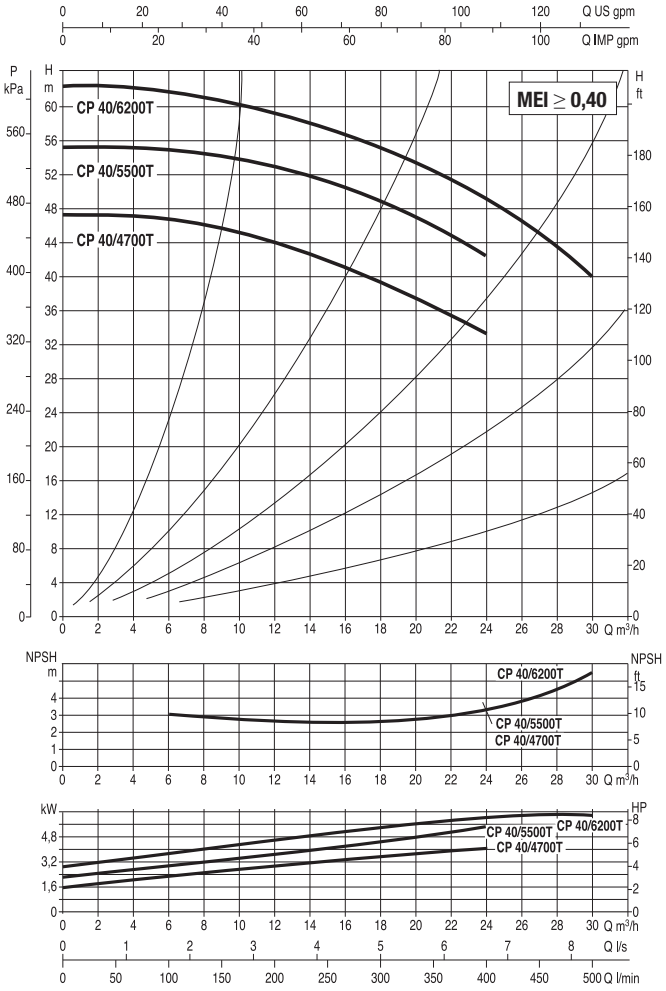
CP 40 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

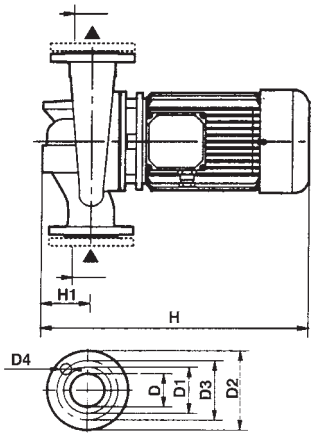
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE
								IE2		IE3		
						kW	HP	230	400	230	400	
CP 40/4700 T	380	DN 40	3 x 230 - 400 V ~	2900	4,87	4	5,5	13,5	7,8	–	–	IE2
CP 40/5500 T	425	DN 40	3 x 400 V ~ [1]	2900	6,57	5,5	7,5		10,6		–	IE2
CP 40/6200 T	425	DN 40	3 x 400 V ~ [1]	2900	9,18	7,5	10		14,2		14,4	IE2 / IE3

[1] star start-up possible (λ)

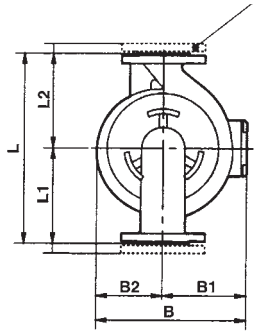
MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							IE2	IE3							L/A	L/B	H		IE2	IE3
CP 40/4700 T	380	200	180	286	159	127	535	–	100	40 PN 6	88	150	110	4 Ø 14	450	270	465	0,4	50	–
CP 40/5500 T	380	200	180	286	159	127	535	–	100	40 PN 6	88	150	110		450	270	465	0,4	55	–
CP 40/6200 T	380	200	180	286	159	127	535	535	100	40 PN 6	88	150	110		450	270	465	0,4	56	56

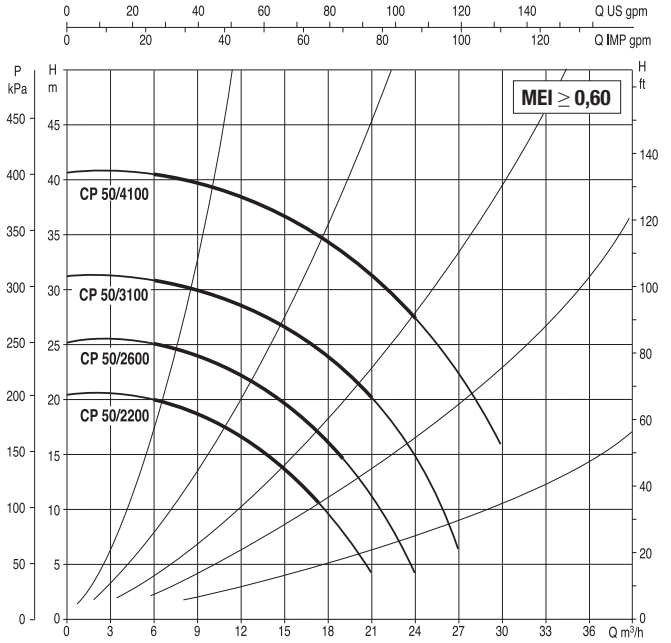
CP 50 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

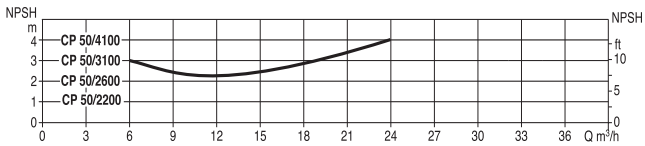
Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C

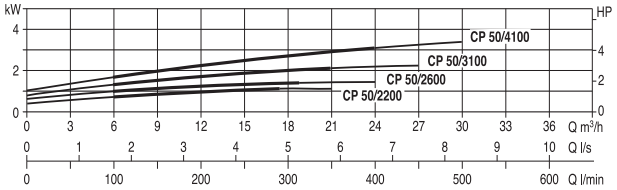


COUNTER FLANGES ON REQUEST









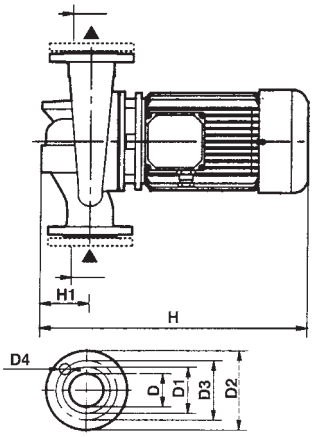
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA								MOTOR TYPE
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A			
								IE2		IE3	
						kW	HP	230	400	230	400
CP 50/2200 T	425	DN 50	3 x 230 - 400 V ~	2870	1,42	1,1	1,5	5,8	3,4	–	–	IE2
CP 50/2600 T	425	DN 50	3 x 230 - 400 V ~	2860	1,89	1,5	2	6,9	4,0	–	–	IE2
CP 50/3100 T	400	DN 50	3 x 230 - 400 V ~	2870	2,51	2,2	3	8,7	5,0	–	–	IE2
CP 50/4100 T	400	DN 50	3 x 230 - 400 V ~	2910	3,8	4	5,5	11,6	6,7	–	–	IE2

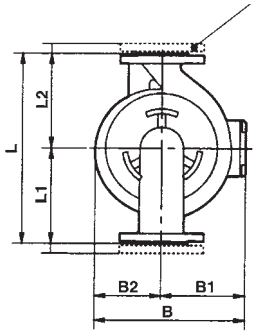
MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							IE2	IE3							L/A	L/B	H		IE2	IE3
CP 50/2200 T	425	225	200	233	120	113	463	–	105	50 PN 16	102	165	125	4 Ø 18	680	330	580	0,13	40	–
CP 50/2600 T	425	225	200	233	120	113	463	–	105	50 PN 16	102	165	125		680	330	580	0,13	41	–
CP 50/3100 T	425	225	200	233	120	113	537	–	105	50 PN 16	102	165	125		680	330	580	0,13	46	–
CP 50/4100 T	425	225	200	233	120	113	537	–	105	50 PN 16	102	165	125		680	330	580	0,13	54	–

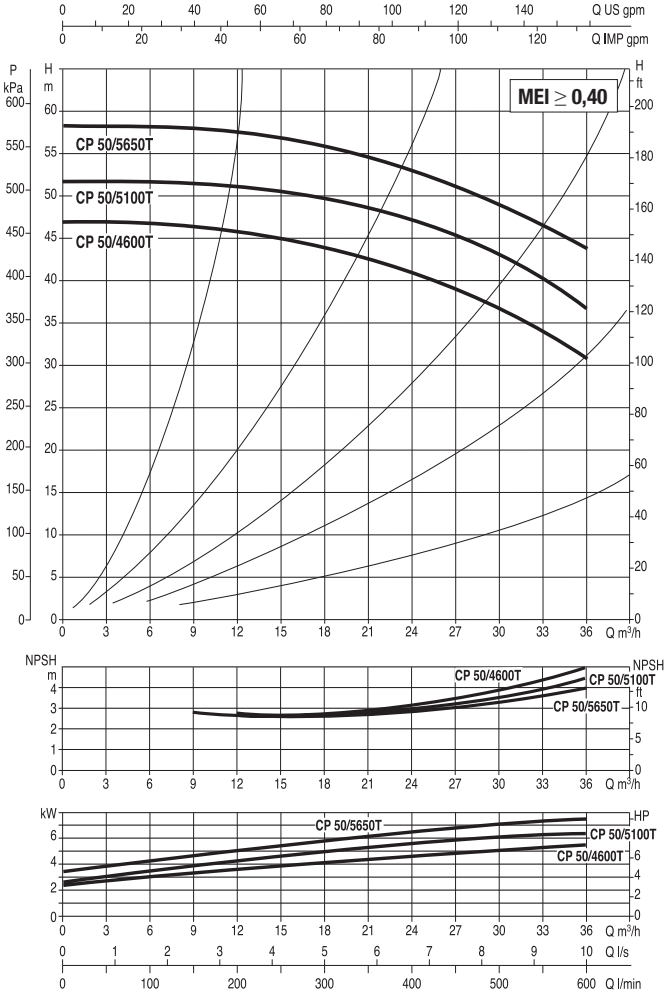
CP 50 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C



COUNTER FLANGES ON REQUEST





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

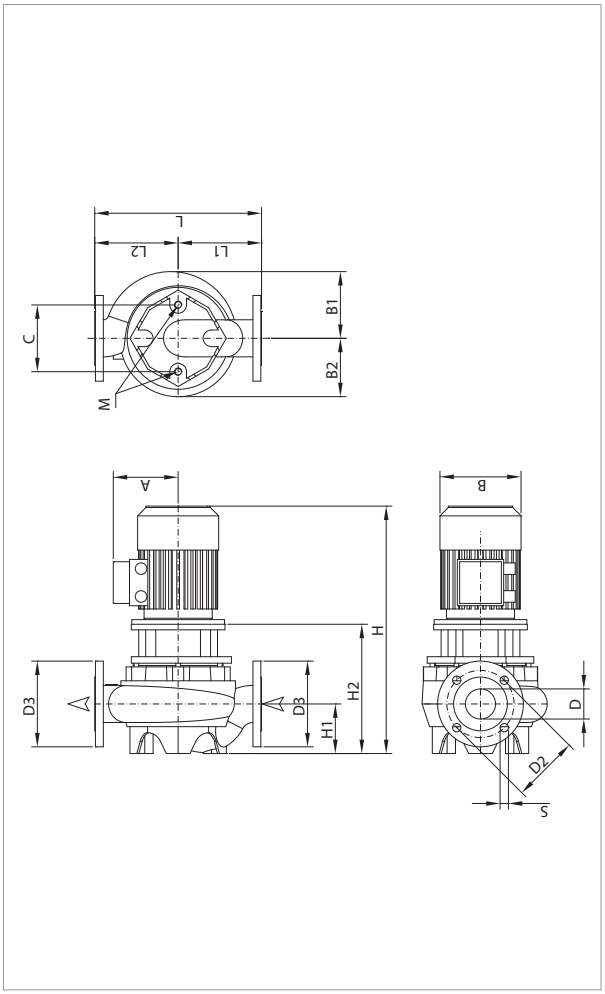
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA							
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE
						kW	HP	IE2	IE3	
								400		
CP 50/4600 T	360	DN 50	3 x 400 V ~ [1]	2900	6,57	5,5	7,5	10,6	–	IE2
CP 50/5100 T	360	DN 50	3 x 400 V ~ [1]	2900	9,18	7,5	10	14,2	14,4	IE2 / IE3
CP 50/5650 T	360	DN 50	3 x 400 V ~ [1]	2900	9,18	7,5	10	14,2	14,4	IE2 / IE3

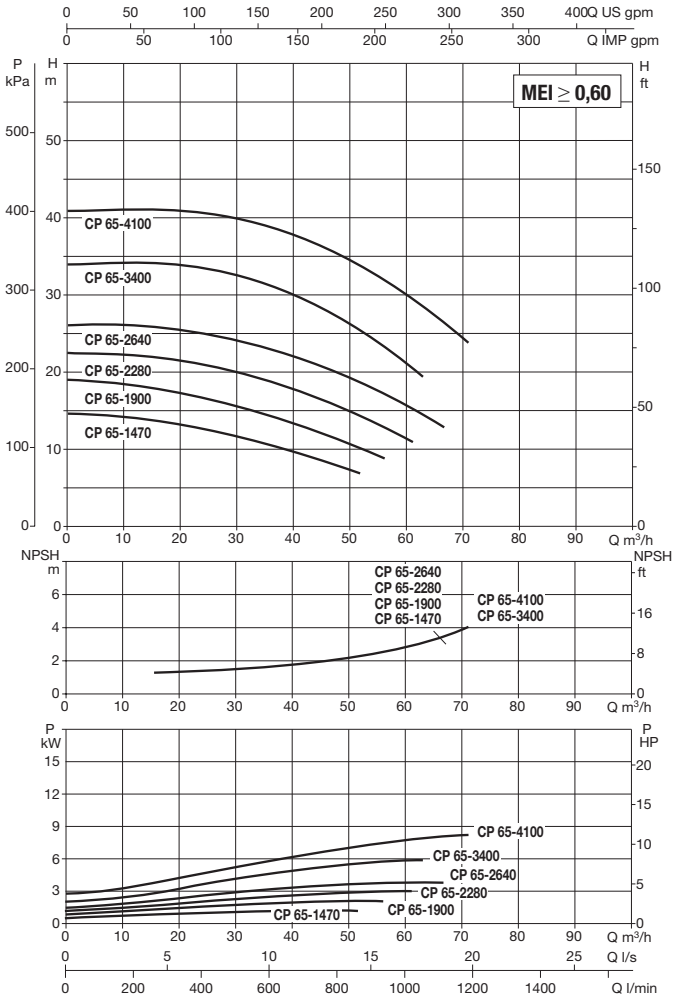
[1] star start-up possible (⋀)

MODEL	L	L1	L2	B	B1	B2	H		H1	D	D1	D2	D3	D4 no. of holes	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							IE2	IE3							L/A	L/B	H		IE2	IE3
CP 50/4600 T	400	220	180	290	159	131	545	–	110	50 PN 10	102	165	125	4 Ø 18	520	320	535	0,6	56	–
CP 50/5100 T	400	220	180	290	159	131	545	545	110	50 PN 10	102	165	125		520	320	535	0,6	57	57
CP 50/5650 T	400	220	180	290	159	131	545	545	110	50 PN 10	102	165	125		520	320	535	0,6	64	64

CP-G 65 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

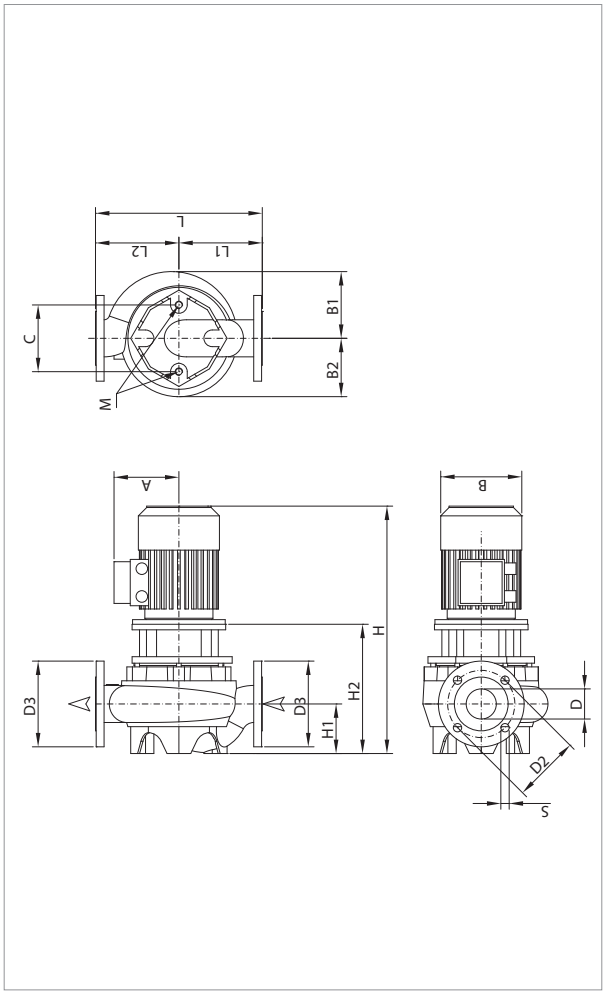
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3					
						kW	HP	230	400	230	400			IE2	IE3
CP-G 65-1470/A/BAQE/1.5	360	DN 65	3x230-400 V ~	2883	1,9	1,50	2,00	5,8	3,3	–	–	IE2	MEC 90S	51.3/29.6	–
CP-G 65-1900/A/BAQE/2.2	360	DN 65	3x230-400 V ~	2872	3,1	2,20	3,00	8,2	4,7	–	–	IE2	MEC 90L	68.4/39.5	–
CP-G 65-2280/A/BAQE/3	360	DN 65	3 x 400 V ~ [1]	2882	3,4	3,00	4,00		5,8		–	IE2	MEC 100L	52,2	–
CP-G 65-2640/A/BAQE/4	360	DN 65	3 x 400 V ~ [1]	2910	4,7	4,00	5,50		8,0		–	IE2	MEC 112M	73,6	–
CP-G 65-3400/A/BAQE/5.5	360	DN 65	3 x 400 V ~ [1]	2913	6,6	5,50	7,50		10,4		–	IE2	MEC 132S	80,8	–
CP-G 65-4100/A/BAQE/7.5	360	DN 65	3 x 400 V ~ [1]	2900	8,6	7,50	10,00		14		13,4	IE2 / IE3	MEC 132S	106,7	113,9

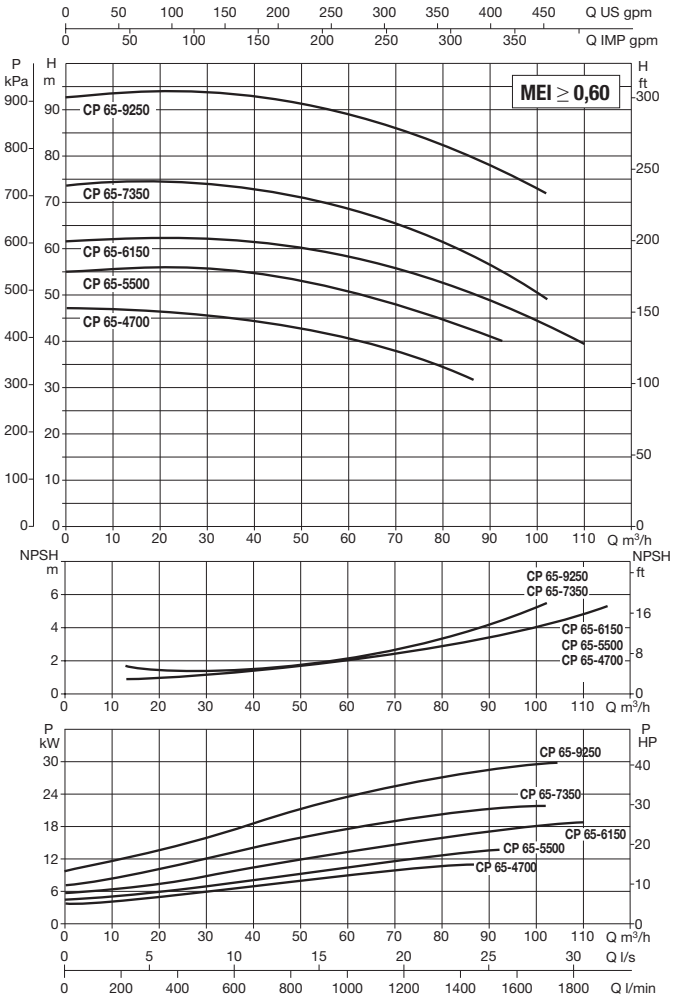
[1] star start-up possible (λ)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 65-1470/A/BAQE/1.5	160	144	126	144	65	145	185	18	4	574	–	107	279	360	180	180	M16	680	430	834	0,244	65	–
CP-G 65-1900/A/BAQE/2.2	160	144	126	144	65	145	185	18		614	–	107	279	360	180	180	M16	680	430	834	0,244	68	–
CP-G 65-2280/A/BAQE/3	180	144	126	144	65	145	185	18		632	–	107	307	360	180	180	M16	680	430	834	0,244	77	–
CP-G 65-2640/A/BAQE/4	190	144	126	144	65	145	185	18		717	–	107	307	360	180	180	M16	680	430	1084	0,317	92	–
CP-G 65-3400/A/BAQE/5.5	210	151	151	144	65	145	185	18		736	–	107	346	360	180	180	M16	680	430	1084	0,317	111	–
CP-G 65-4100/A/BAQE/7.5	188	151	151	144	65	145	185	18		736	783	107	346	360	180	180	M16	680	430	1084	0,317	111	87

CP-G 65 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

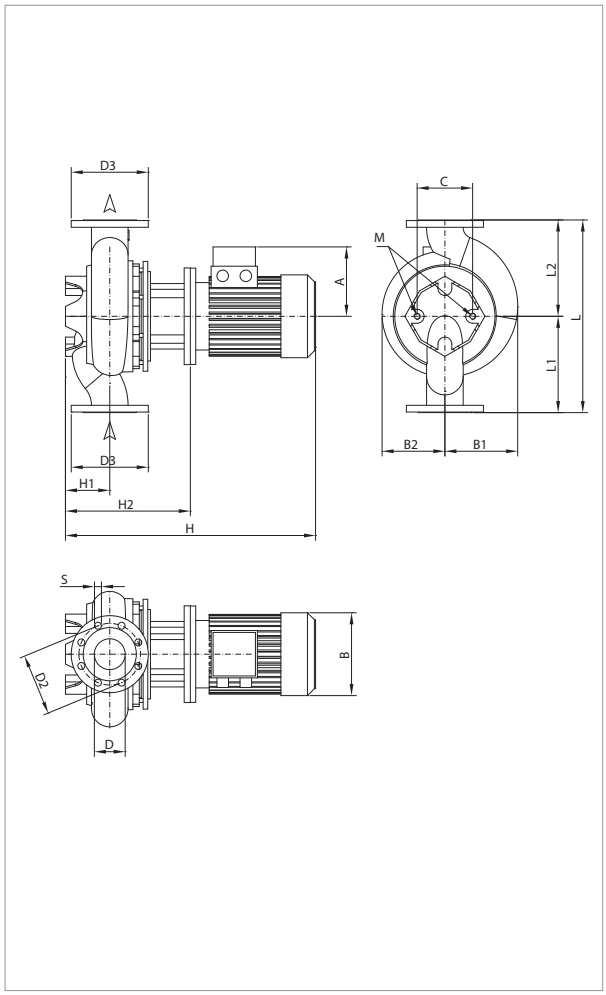
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CP-G 65-4700/A/BAQE/11	475	DN 65	3 x 400 V ~ [1]	2940	14,1	11,00	15,00	20,2	19,4	IE2 / IE3	MEC 160M	126	147,4
CP-G 65-5500/A/BAQE/15	475	DN 65	3 x 400 V ~ [1]	2943	17,2	15,00	20,00	27	26,5	IE2 / IE3	MEC 160M	189,8	204
CP-G 65-6150/A/BAQE/18.5	475	DN 65	3 x 400 V ~ [1]	2947	21,8	18,50	25,00	33	32	IE2 / IE3	MEC 160L	239,9	262,4
CP-G 65-7350/A/BAQE/22	475	DN 65	3 x 400 V ~ [1]	2961	24,1	22,00	30,00	39,5	38	IE2 / IE3	MEC 180M	329	330,6
CP-G 65-9250/A/BAQE/30	475	DN 65	3 x 400 V ~ [1]	2950	32,5	30,00	40,00	52	52	IE2 / IE3	MEC 200L	405	468

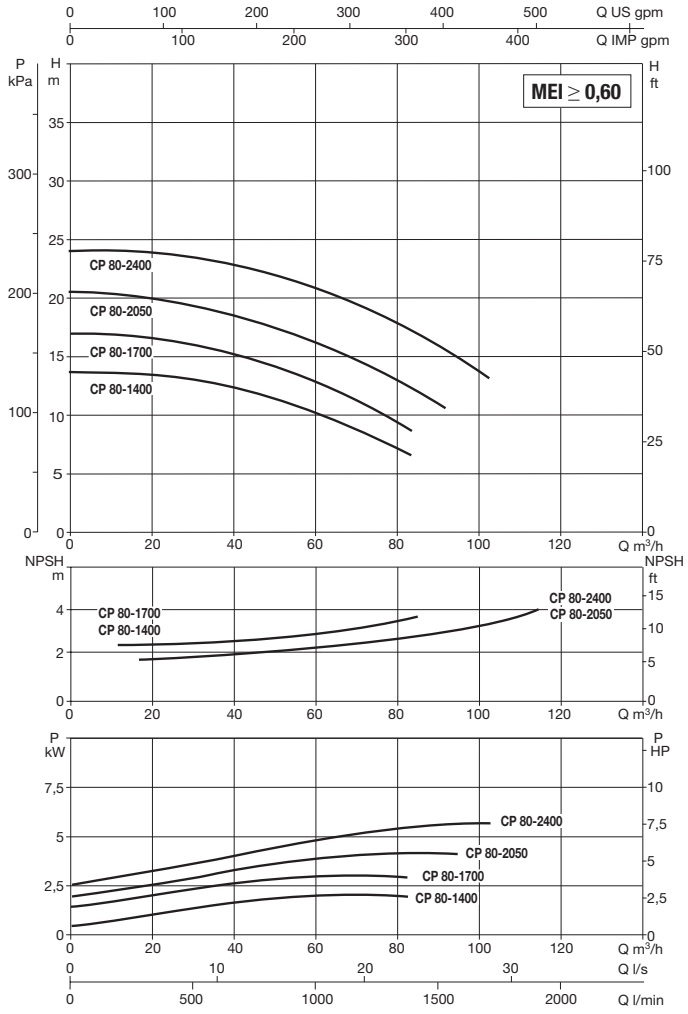
[1] star start-up possible (λ)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 65-4700/A/BAQE/11	242	180	176	144	65	145	185	18	4	893	893	215	388	475	237,5	237,5	M16	1200	720	720	0,622	221	198
CP-G 65-5500/A/BAQE/15	242	180	176	144	65	145	185	18		893	893	215	388	475	237,5	237,5	M16	1200	720	720	0,622	221	194
CP-G 65-6150/A/BAQE/18.5	242	180	176	144	65	145	185	18		948	937	215	388	475	237,5	237,5	M16	1200	720	720	0,622	229	198
CP-G 65-7350/A/BAQE/22	260	190	190	144	65	145	185	18		968	968	215	388	475	237,5	237,5	M16	1200	720	720	0,622	272	232
CP-G 65-9250/A/BAQE/30	292	210	210	144	65	145	185	18		1047,5	1058	215	388	475	237,5	237,5	M16	1200	720	720	0,622	309	310

CP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

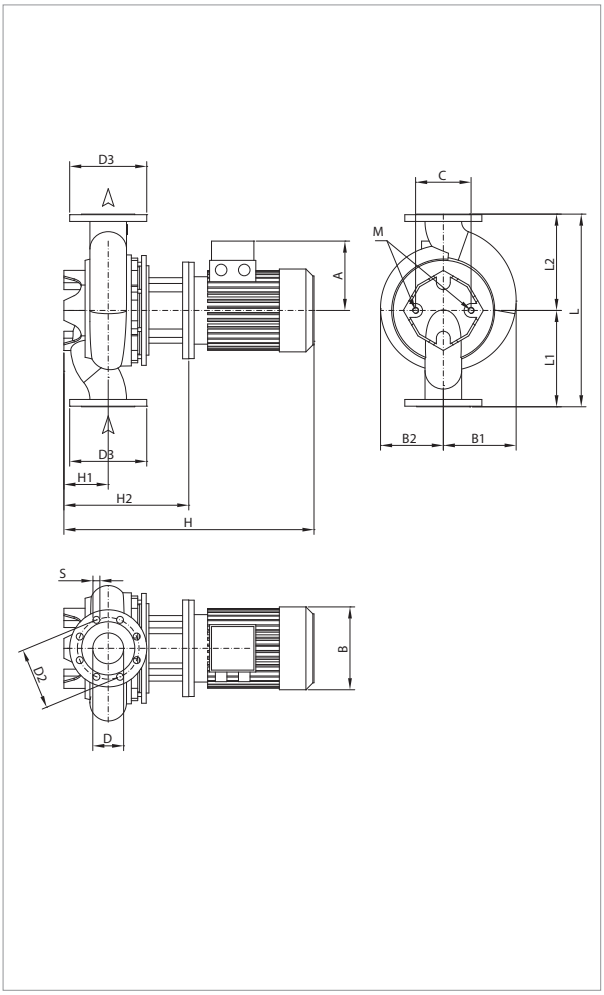
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA											
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3					
						kW	HP	230	400	230	400			IE2	IE3
CP-G 80-1400/A/BAQE/2.2	360	DN 80	3x230-400 V ~	2874	3,0	2,20	3,00	8,2	4,7	–	–	IE2	MEC 90L	68.4/39.5	–
CP-G 80-1700/A/BAQE/3	360	DN 80	3 x 400 V ~ [1]	2880	3,5	3,00	4,00		5,8		–	IE2	MEC 100L	52,2	–
CP-G 80-2050/A/BAQE/4	360	DN 80	3 x 400 V ~ [1]	2914	5,0	4,00	5,50		8,0		–	IE2	MEC 112M	73,6	–
CP-G 80-2400/A/BAQE/5.5	360	DN 80	3 x 400 V ~ [1]	2910	6,4	5,50	7,50		10,4		–	IE2	MEC 132S	80,8	–

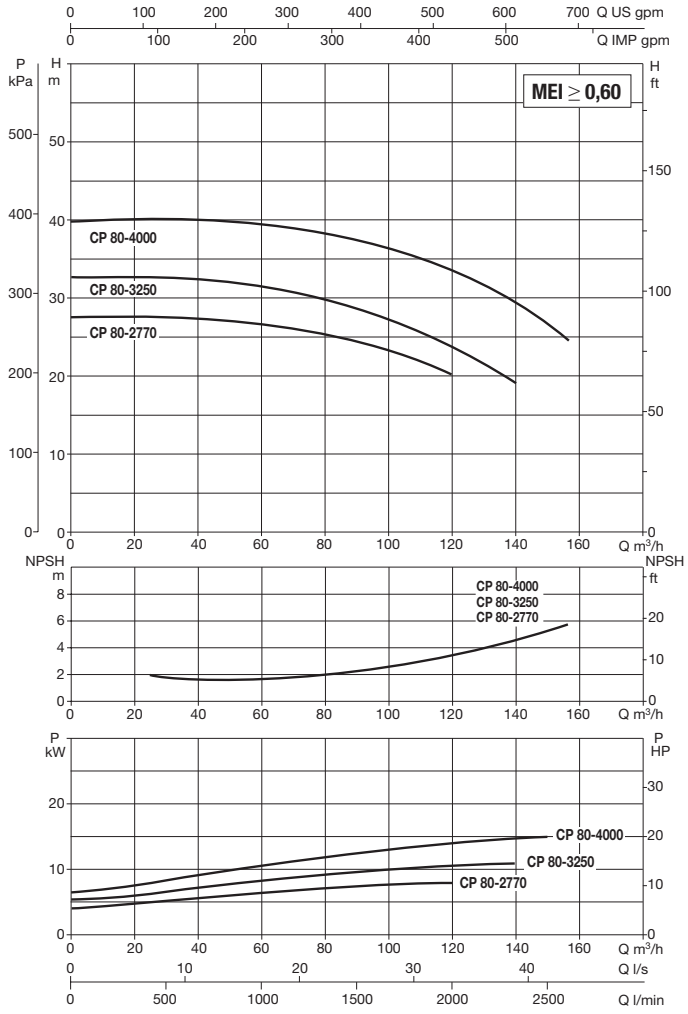
[1] star start-up possible (λ)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 80-1400/A/BAQE/2.2	160	135	118	144	80	160	200	18	8	616	–	105	281	360	180	180	M16	680	430	834	0,244	71	–
CP-G 80-1700/A/BAQE/3	180	135	125	144	80	160	200	18		634	–	105	309	360	180	180	M16	680	430	834	0,244	80	–
CP-G 80-2050/A/BAQE/4	190	135	125	144	80	160	200	18		719	–	105	309	360	180	180	M16	680	430	1084	0,317	95	–
CP-G 80-2400/A/BAQE/5.5	210	135	151	144	80	160	200	18		738	–	105	348	360	180	180	M16	680	430	1084	0,317	114	–

CP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

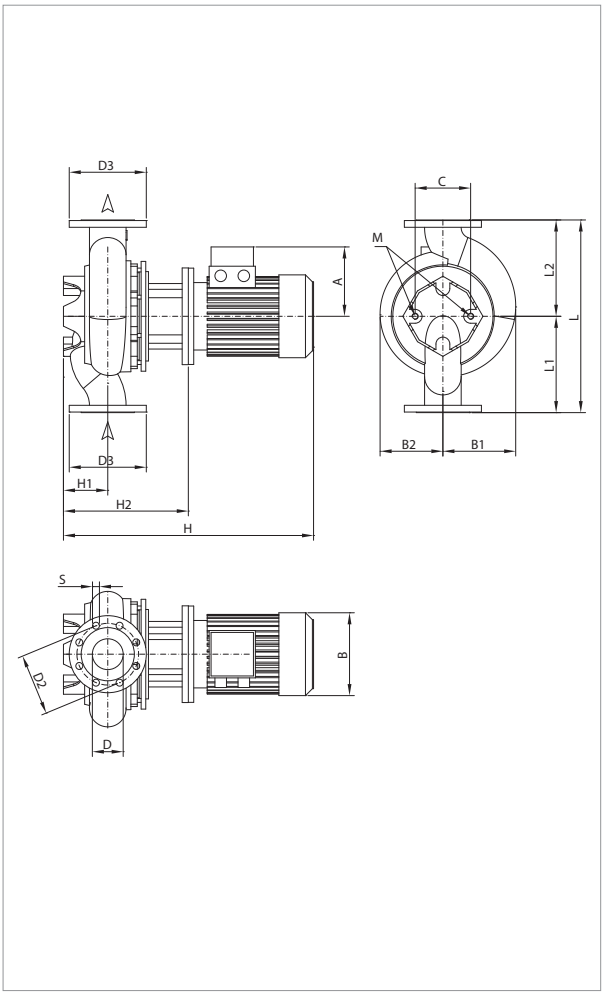
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CP-G 80-2770/A/BAQE/7.5	440	DN 80	3 x 400 V ~ [1]	2905	9,2	7,50	10,00	14	13,4	IE2 / IE3	MEC 132S	106,7	113,9
CP-G 80-3250/A/BAQE/11	440	DN 80	3 x 400 V ~ [1]	2932	12,7	11,00	15,00	20,2	19,4	IE2 / IE3	MEC 160M	126	147,4
CP-G 80-4000/A/BAQE/15	440	DN 80	3 x 400 V ~ [1]	2945	17,5	15,00	20,00	27	26,5	IE2 / IE3	MEC 160M	189,8	204

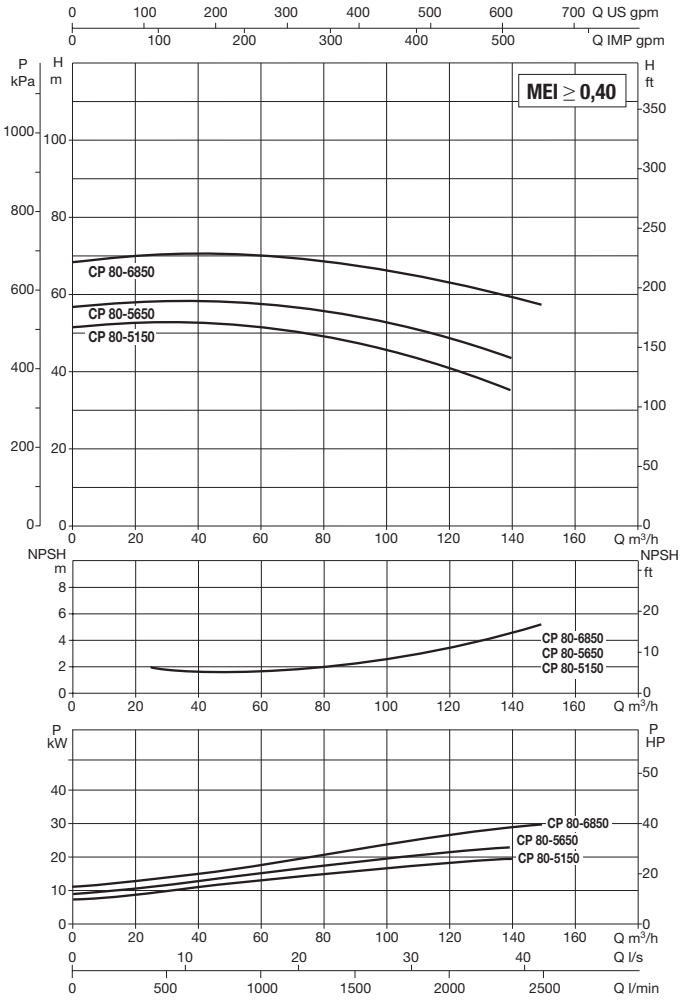
[1] star start-up possible (⅄)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 80-2770/A/BAQE/7.5	188	178	151	144	80	160	200	18	8	748	795	115	358	440	220	220	M16	680	430	1084	0,317	115	91
CP-G 80-3250/A/BAQE/11	242	178	176	144	80	160	200	18		893	893	115	388	440	220	220	M16	1200	720	720	0,622	219	196
CP-G 80-4000/A/BAQE/15	242	178	176	144	80	160	200	18		893	893	115	388	440	220	220	M16	1200	720	720	0,622	194	167

CP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

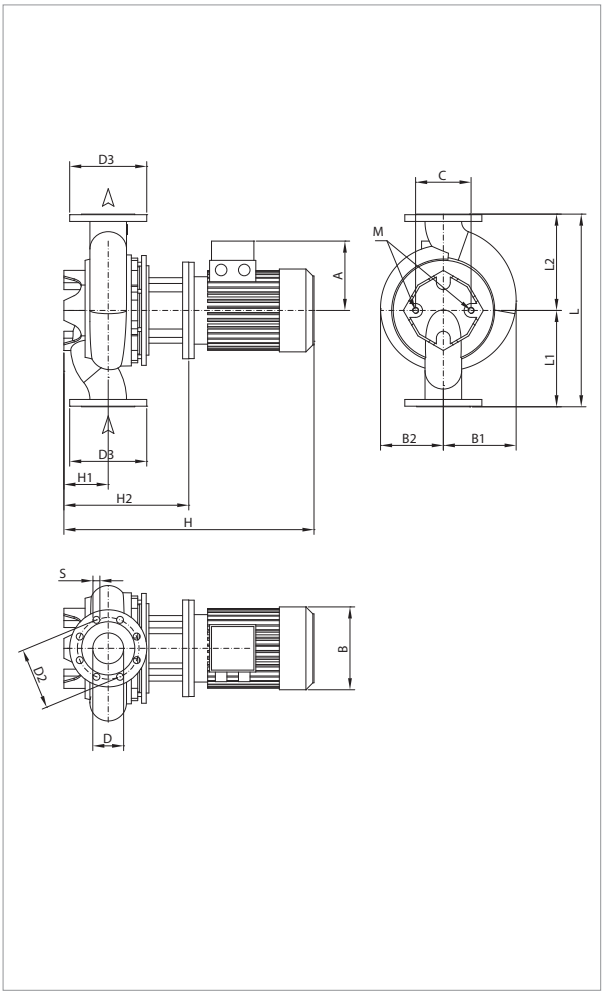
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CP-G 80-5150/A/BAQE/18.5	500	DN 80	3 x 400 V ~ [1]	2943	21,0	18,50	25,00	33	32	IE2 / IE3	MEC 160L	239,9	262,4
CP-G 80-5650/A/BAQE/22	500	DN 80	3 x 400 V ~ [1]	2967	25,3	22,00	30,00	39,5	38	IE2 / IE3	MEC 180M	329	330,6
CP-G 80-6850/A/BAQE/30	500	DN 80	3 x 400 V ~ [1]	2951	32,8	30,00	40,00	52	52	IE2 / IE3	MEC 200L	405	468

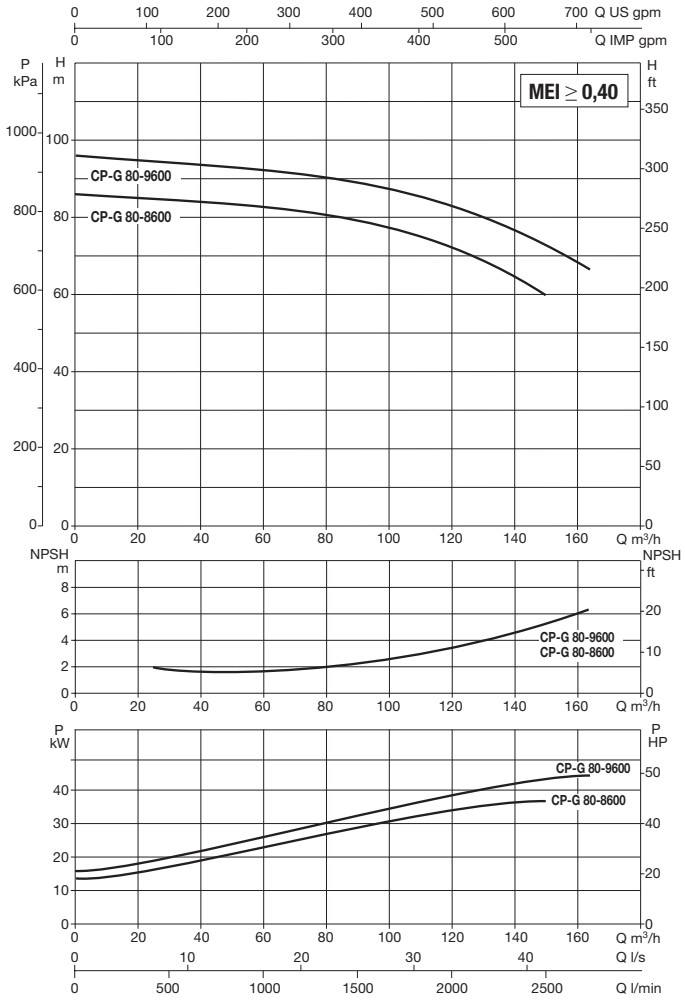
[1] star start-up possible (⅄)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 80-5150/A/BAQE/18.5	242	178	176	144	80	160	200	18	8	948	937	115	388	440	220	220	M16	1200	720	720	0,622	152	121
CP-G 80-5650/A/BAQE/22	260	190	190	144	80	160	200	18		968	968	115	388	500	250	250	M16	1200	720	720	0,622	164	124
CP-G 80-6850/A/BAQE/30	292	210	210	144	80	160	200	18		1040	1050	115	380	500	250	250	M16	1200	720	720	0,622	313	314

CP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

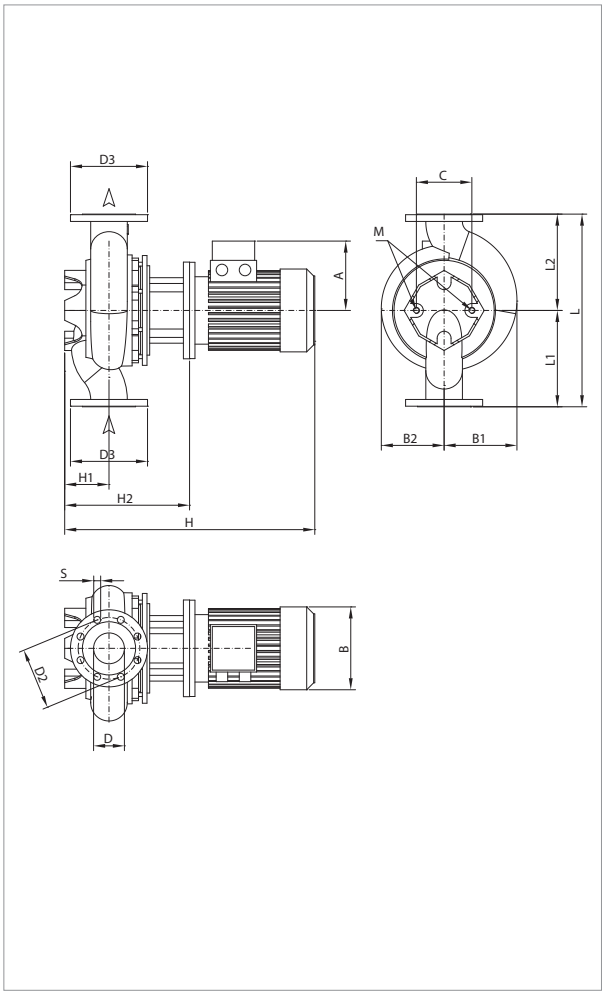
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3			IE2	IE3
						kW	HP	400					
CP-G 80-8600/A/BAQE/37	620	DN 80	3 x 400 V ~ [1]	2967	41,9	37,00	50,00	64	63	IE2 / IE3	MEC 200L	487,7	567
CP-G 80-9600/A/BAQE/45	620	DN 80	3 x 400 V ~ [1]	2966	51,2	45,00	60,00	78,5	76	IE2 / IE3	MEC 225M	528,3	630,8

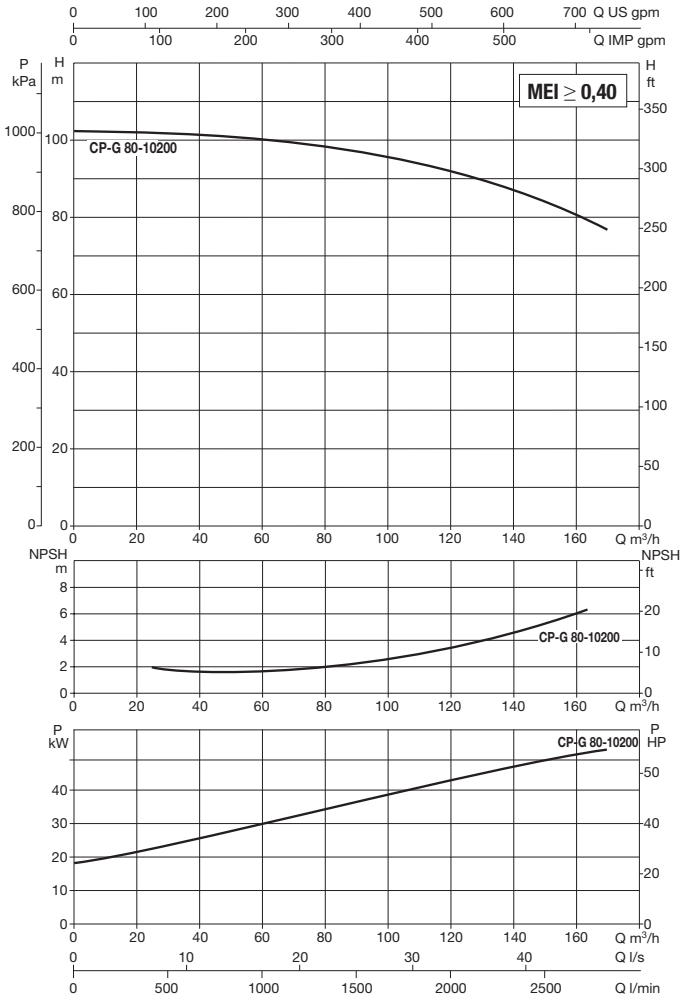
[1] star start-up possible (⅄)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 80-8600/A/BAQE/37	292	245	225	230	80	160	200	18	8	1103	1113	140	445	620	310	310	M16	1200	720	720	0,622	410	424
CP-G 80-9600/A/BAQE/45	315	245	232	230	80	160	200	18		1153	1158	140	445	620	310	310	M16	1200	720	720	0,622	318	347

CP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

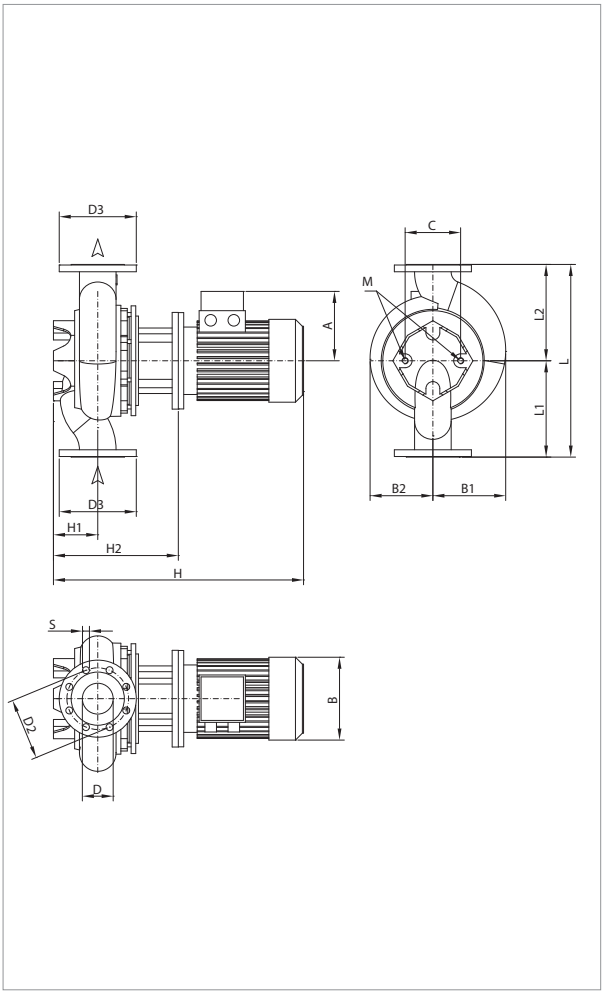
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CP-G 80-10200/A/BAQE/55	620	DN 80	3 x 400 V ~ [1]	2979	63,2	55,00	75,00	94	95	IE2 / IE3	MEC 250M	783	684

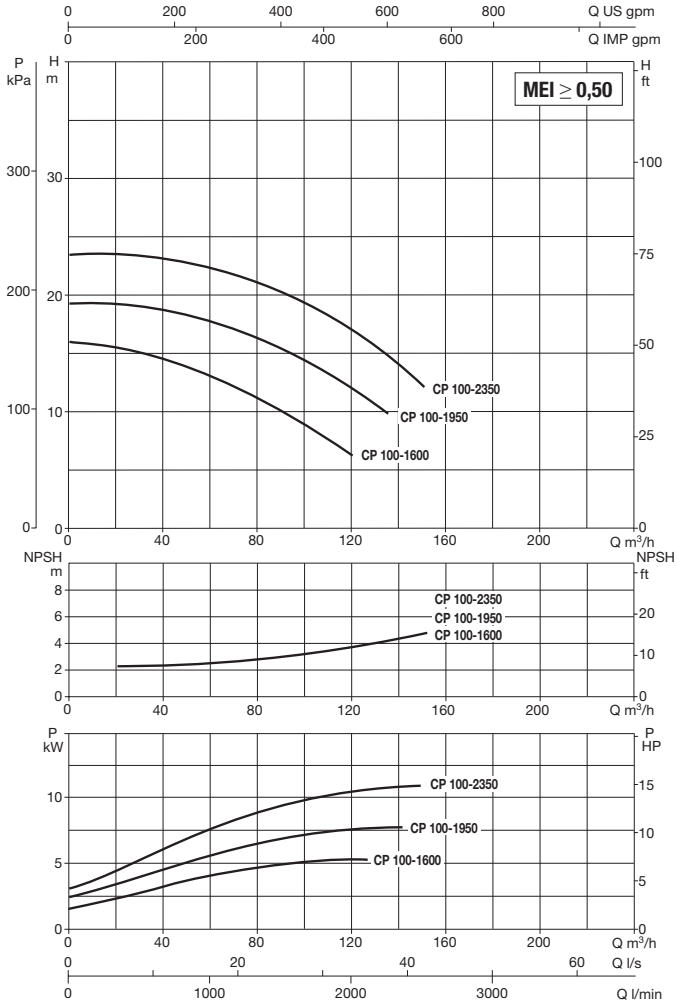
[1] star start-up possible (λ)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 80-10200/A/BAQE/55	372	275	275	230	80	160	200	18	8	1248	1248	140	473	620	310	310	M16	2550	1300	1300	4,310	584	621

CP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

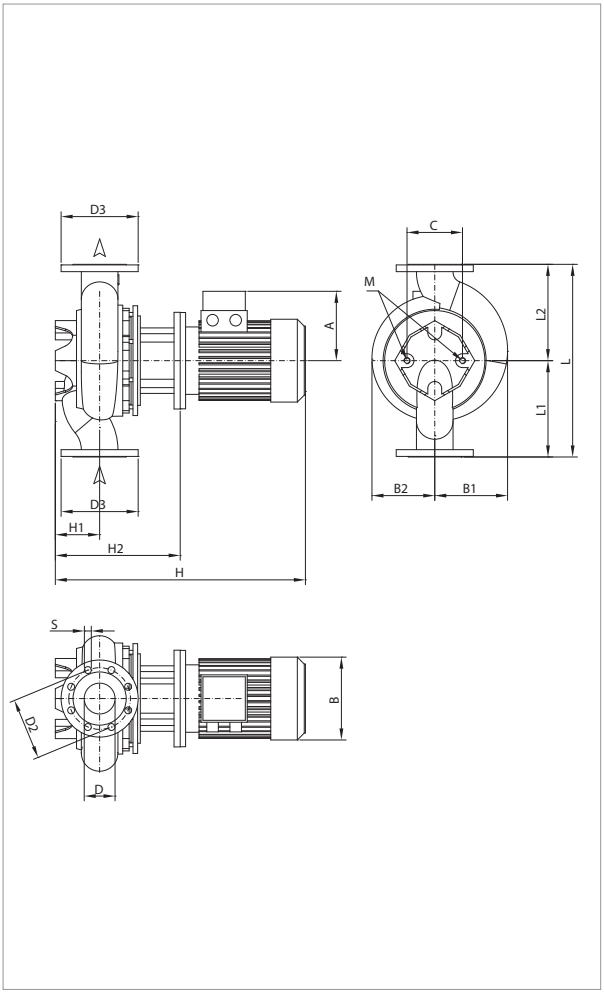
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3				
						kW	HP	400				IE2	IE3
CP-G 100-1600/A/BAQE/4	500	DN 100	3 x 400 V ~ [1]	2918	5,3	4,00	5,50	8,0	–	IE2	MEC 112M	73,6	–
CP-G 100-1950/A/BAQE/5.5	500	DN 100	3 x 400 V ~ [1]	2918	7,0	5,50	7,50	10,4	–	IE2	MEC 132S	80,8	–
CP-G 100-2350/A/BAQE/7.5	500	DN 100	3 x 400 V ~ [1]	2906	9,2	7,50	10,00	14	13,4	IE2 / IE3	MEC 132S	106,7	113,9

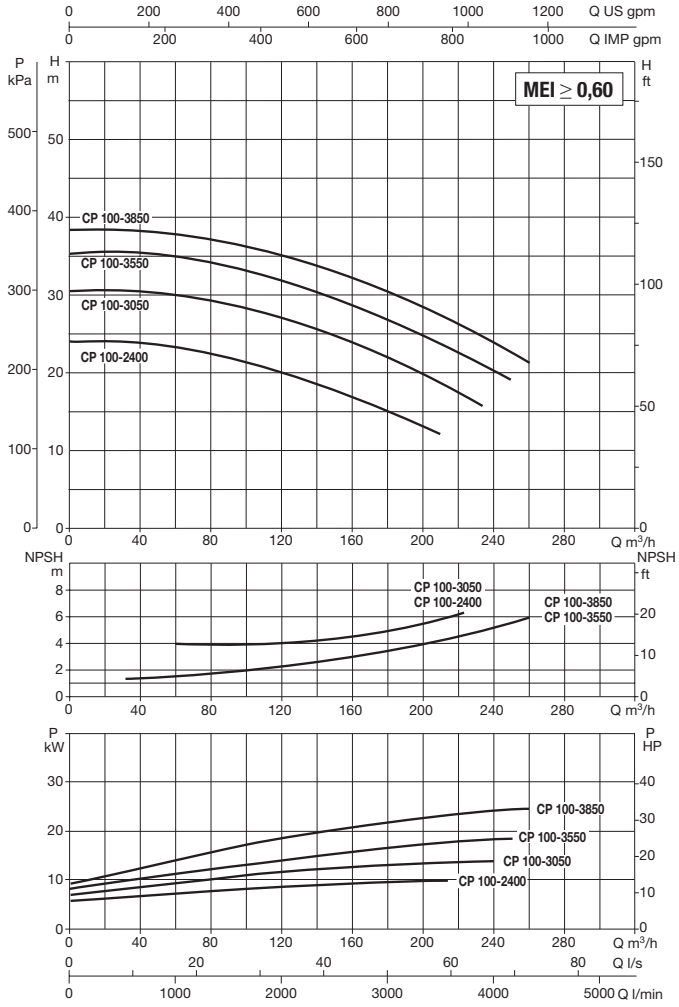
[1] star start-up possible (λ)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 100-1600/A/BAQE/4	190	156	126	144	100	180	220	18	8	686	–	140	346	500	250	250	M16	1200	720	720	0,622	88	–
CP-G 100-1950/A/BAQE/5.5	210	158	150	144	100	180	220	18		775	–	140	385	500	250	250	M16	1200	720	720	0,622	133	–
CP-G 100-2350/A/BAQE/7.5	188	158	150	144	100	180	220	18		775	822	140	385	500	250	250	M16	1200	720	720	0,622	113	89

CP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

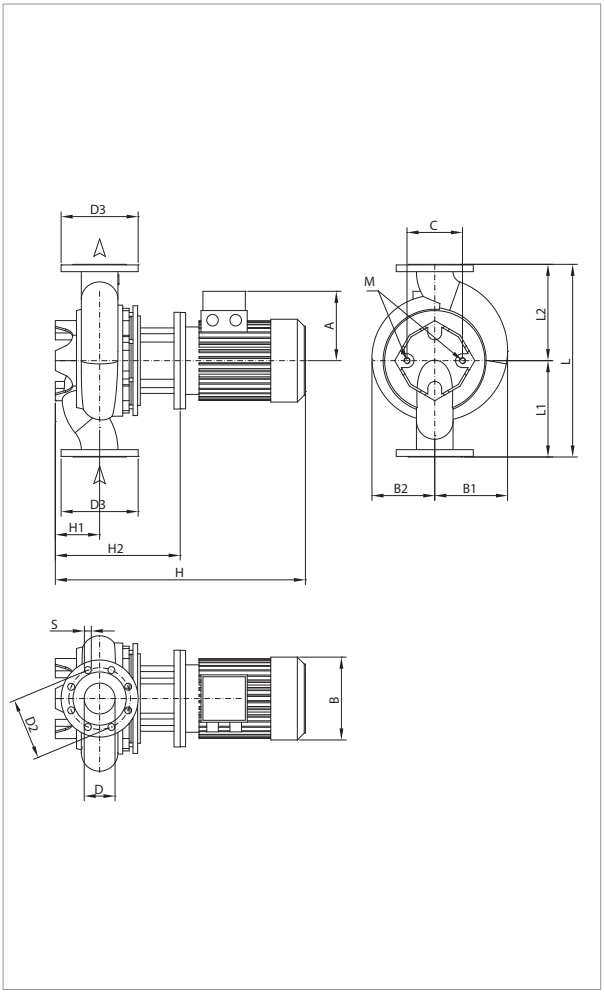
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CP-G 100-2400/A/BAQE/11	550	DN 100	3 x 400 V ~ [1]	2940	13,9	11,00	15,00	20,2	19,4	IE2 / IE3	MEC 160M	126	147,4
CP-G 100-3050/A/BAQE/15	550	DN 100	3 x 400 V ~ [1]	2941	16,9	15,00	20,00	27	26,5	IE2 / IE3	MEC 160M	189,8	204
CP-G 100-3550/A/BAQE/18.5	550	DN 100	3 x 400 V ~ [1]	2948	21,9	18,50	25,00	33	32	IE2 / IE3	MEC 160L	239,9	262,4
CP-G 100-3850/A/BAQE/22	550	DN 100	3 x 400 V ~ [1]	2973	26,5	22,00	30,00	39,5	38	IE2 / IE3	MEC 180M	329	330,6

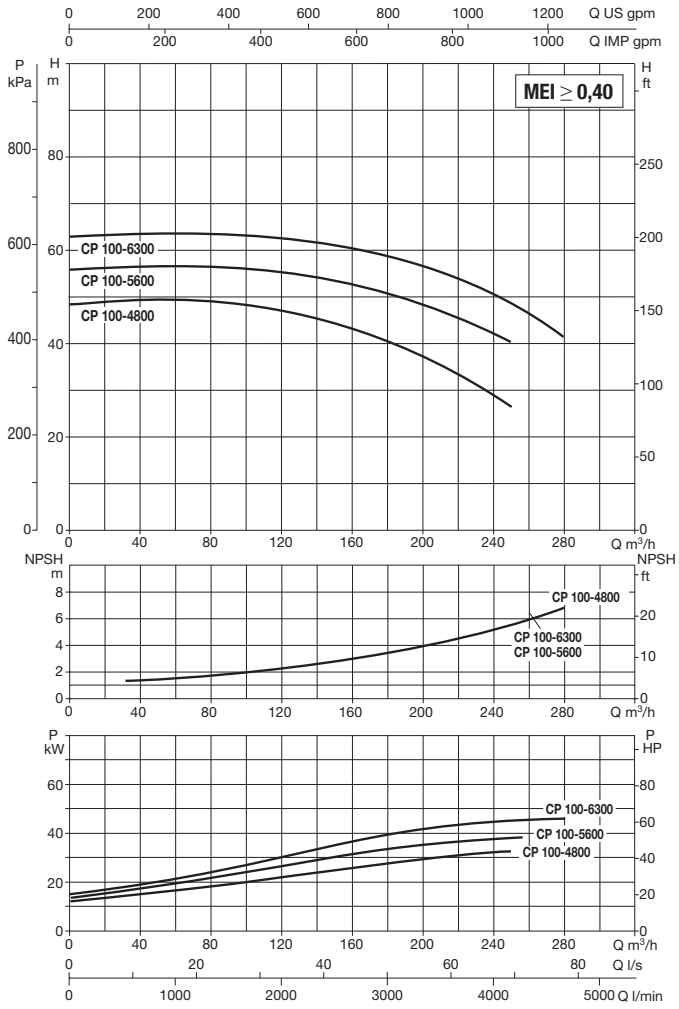
[1] star start-up possible (⅄)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 100-2400/A/BAQE/11	242	193	176	144	100	180	220	18	8	915	915	140	410	550	275	275	M16	1200	720	720	0,622	150	127
CP-G 100-3050/A/BAQE/15	242	193	176	144	100	180	220	18		915	915	140	410	550	275	275	M16	1200	720	720	0,622	177	150
CP-G 100-3550/A/BAQE/18.5	242	193	176	144	100	180	220	18		970	959	140	410	550	275	275	M16	1200	720	720	0,622	177	146
CP-G 100-3850/A/BAQE/22	260	192	190	230	100	180	220	18		990	990	140	410	550	275	275	M16	1200	720	720	0,622	299	259

CP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

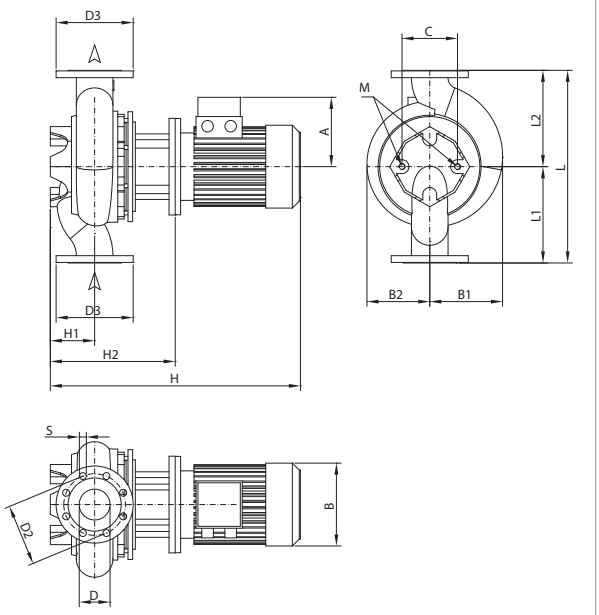
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CP-G 100-4800/A/BAQE/30	550	DN 100	3 x 400 V ~ [1]	2966	39,2	30,00	40,00	52	52	IE2 / IE3	MEC 200L	405	468
CP-G 100-5600/A/BAQE/37	550	DN 100	3 x 400 V ~ [1]	2975	45,0	37,00	50,00	64	63	IE2 / IE3	MEC 200L	487,7	567
CP-G 100-6300/A/BAQE/45	550	DN 100	3 x 400 V ~ [1]	2975	55,9	45,00	60,00	78,5	76	IE2 / IE3	MEC 225M	528,3	630,8

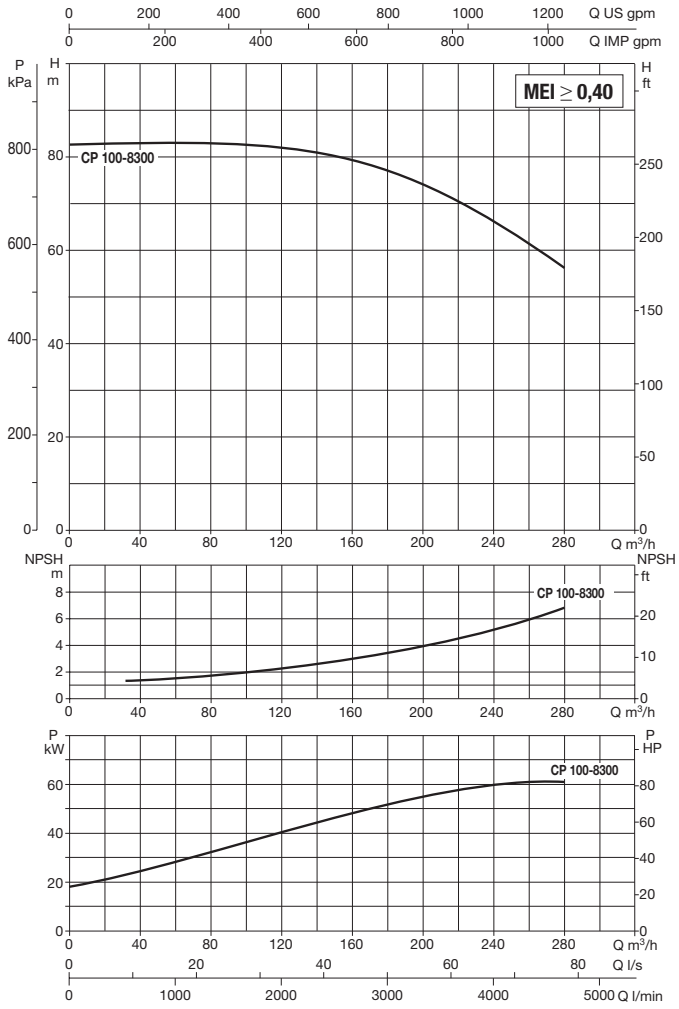
[1] star start-up possible (λ)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 100-4800/A/BAQE/30	292	210	210	230	100	180	220	18	8	1107	1117	140	447	550	275	275	M16	1200	720	720	0,622	336	337
CP-G 100-5600/A/BAQE/37	292	210	210	230	100	180	220	18		1107	1117	140	447	550	275	275	M16	1200	720	720	0,622	383	397
CP-G 100-6300/A/BAQE/45	315	235	235	230	100	180	220	18		1157	1162	140	447	550	275	275	M16	1200	720	720	0,622	441	470

CP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

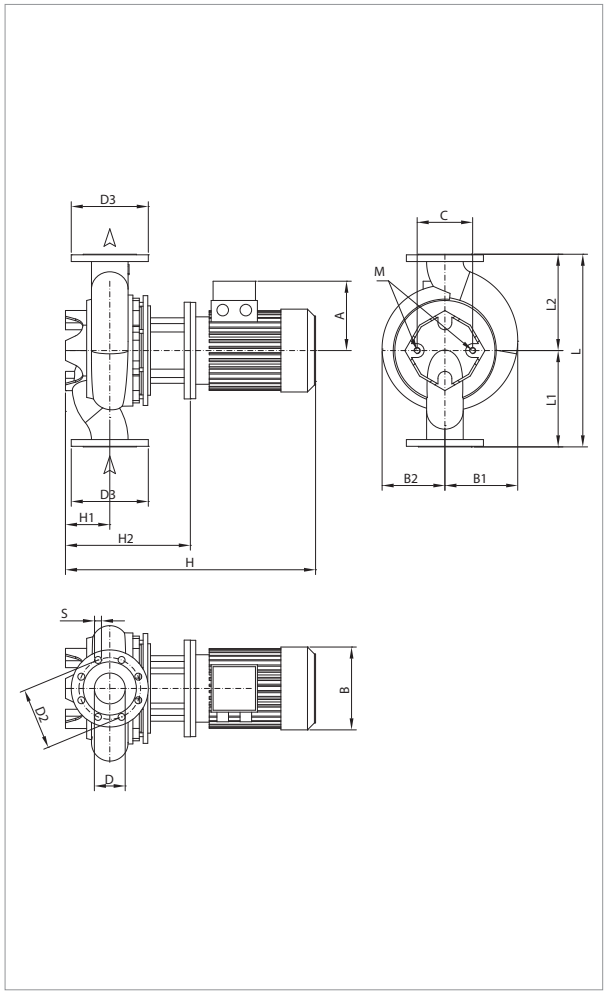
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
CP-G 100-8300/A/BAQE/55	670	DN 100	3 x 400 V ~ [1]	2981	70,1	55,00	75,00	94	95	IE2 / IE3	MEC 250M	783	684

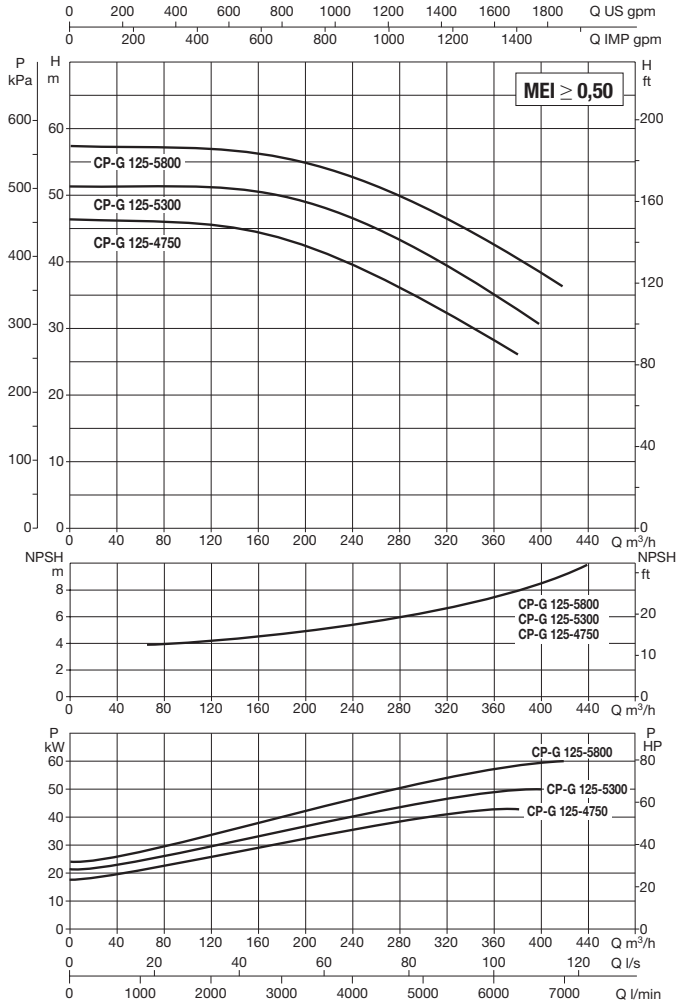
[1] star start-up possible (λ)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 100-8300/A/BAQE/55	372	293	275	230	100	180	220	18	8	1288	1288	175	513	670	335	335	M16	1500	760	725	0,827	590	627

CP-G 125 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - SINGLE, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

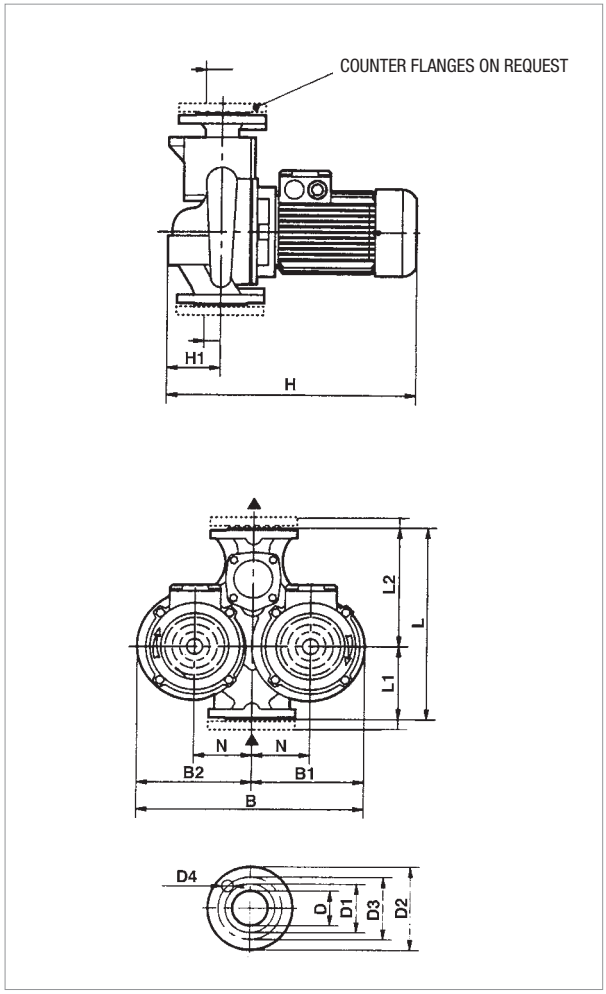
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3				
						kW	HP	400				IE2	IE3
CP-G 125-4750/A/BAQE/37	620	DN 125	3 x 400 V ~ [1]	2975	44,7	37,00	50,00	64	63	IE2 / IE3	MEC 200L	487,7	567
CP-G 125-5300/A/BAQE/45	620	DN 125	3 x 400 V ~ [1]	2973	53,9	45,00	60,00	78,5	76	IE2 / IE3	MEC 225M	528,3	630,8
CP-G 125-5800/A/BAQE/55	620	DN 125	3 x 400 V ~ [1]	2985	68,2	55,00	75,00	94	95	IE2 / IE3	MEC 250M	783	684

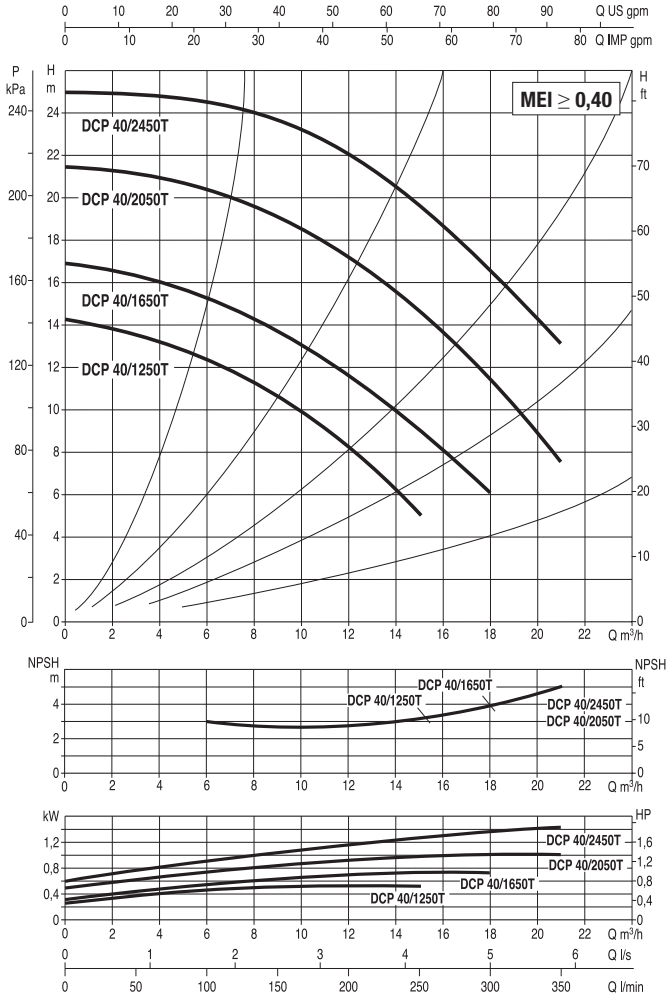
[1] star start-up possible (⅄)

MODEL	A	B1	B2	C	D	D2	D3	S	no. of holes	H		H1	H2	L	L1	L2	M	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
										IE2	IE3							L/A	L/B	H		IE2	IE3
CP-G 125-4750/A/BAQE/37	292	252	210	230	125	210	250	18	8	1188	1198	215	528	620	310	310	M16	1125	680	1300	0,995	430	444
CP-G 125-5300/A/BAQE/45	315	252	235	230	125	210	250	18		1238	1243	215	528	620	310	310	M16	760	725	1500	0,827	478	507
CP-G 125-5800/A/BAQE/55	372	275	275	230	125	210	250	18		1333	1333	215	558	620	310	310	M16	760	725	1500	0,827	502	539

DCP-G 40 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C





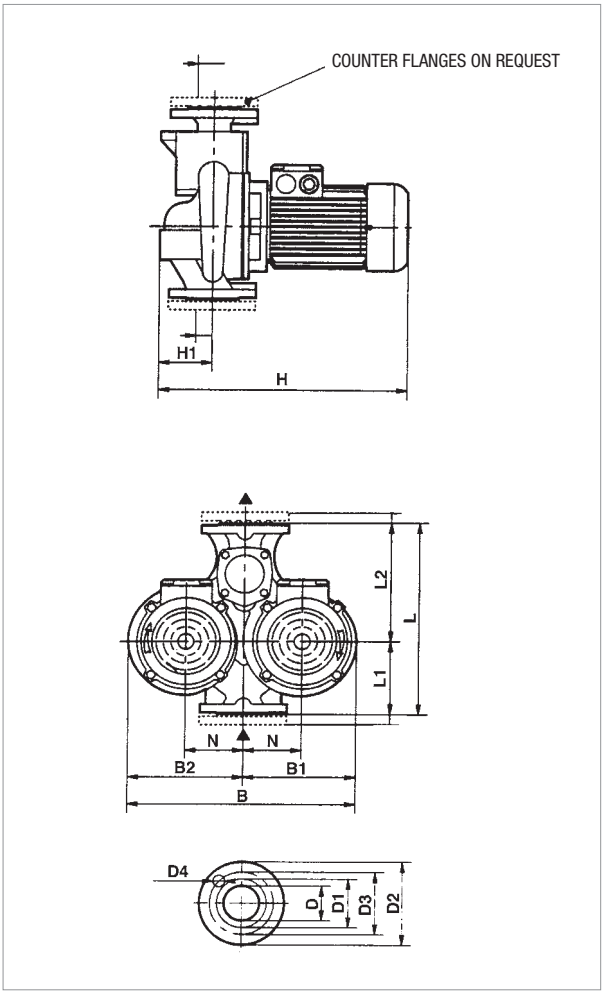
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

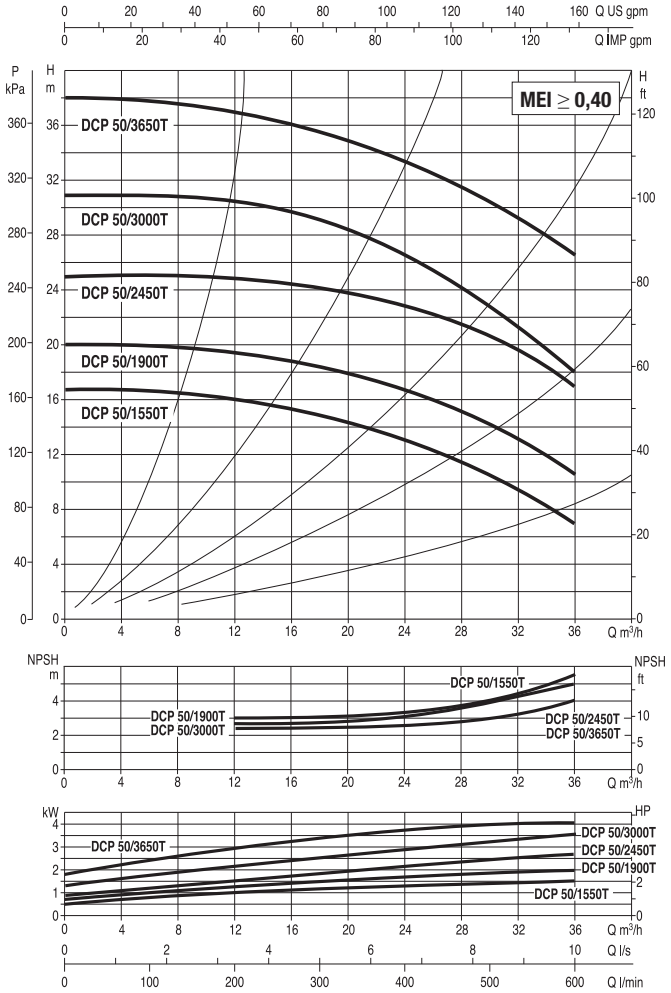
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA									MOTOR TYPE
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				
								IE2		IE3		
						kW	HP	230	400	230	400	
DCP 40/1250 T	340	DN 40	3 x 230 - 400 V ~	2900	0,83	0,75	1	2,9	1,7	–	–	IE2
DCP 40/1650 T	340	DN 40	3 x 230 - 400 V ~	2900	1,05	0,75	1	2,9	1,7	–	–	IE2
DCP 40/2050 T	340	DN 40	3 x 230 - 400 V ~	2900	1,33	1	1,35	4,3	2,5	–	–	IE2
DCP 40/2450 T	340	DN 40	3 x 230 - 400 V ~	2900	2,07	1,5	2	5,9	3,4	–	–	IE2

MODEL	L	L1	L2	B	B1	B2	H		H1	N	D	D1	D2	D3	D4	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							IE2	IE3								L/A	L/B	H		IE2	IE3
DCP 40/1250 T	340	130	210	397	200	197	425	–	100	100	40 PN6	88	150	110	4 HOLES Ø 18	520	320	535	0,06	50	–
DCP 40/1650 T	340	130	210	397	200	197	425	–	100	100	40 PN6	88	150	110		520	320	535	0,06	50	–
DCP 40/2050 T	340	130	210	397	200	197	445	–	100	100	40 PN6	88	150	110		520	320	535	0,06	52	–
DCP 40/2450 T	340	130	210	397	200	197	445	–	100	100	40 PN6	88	150	110		520	320	535	0,06	54	–

DCP-G 50 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +130 °C - **Maximum ambient temperature:** +40 °C





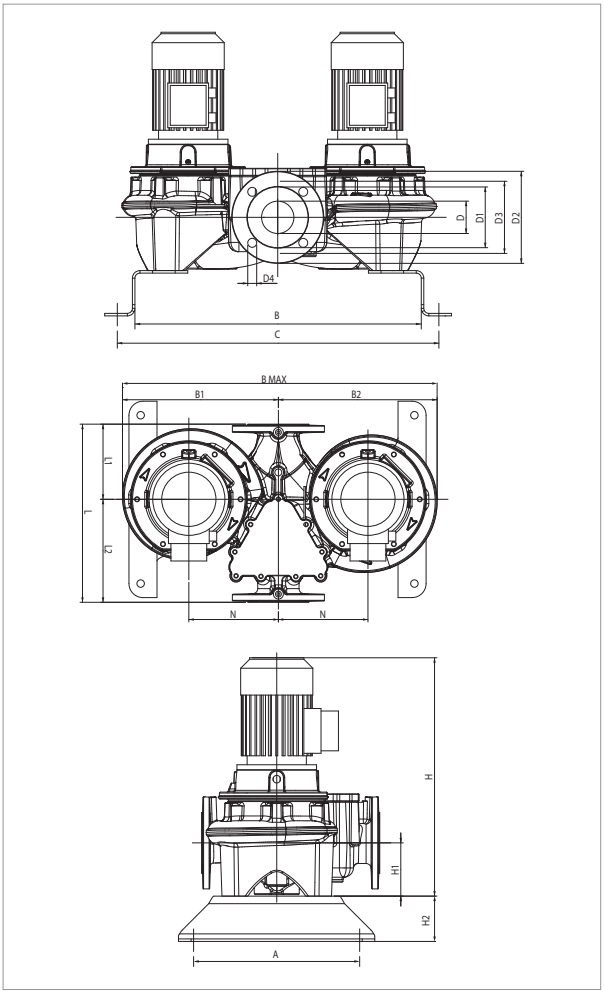
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

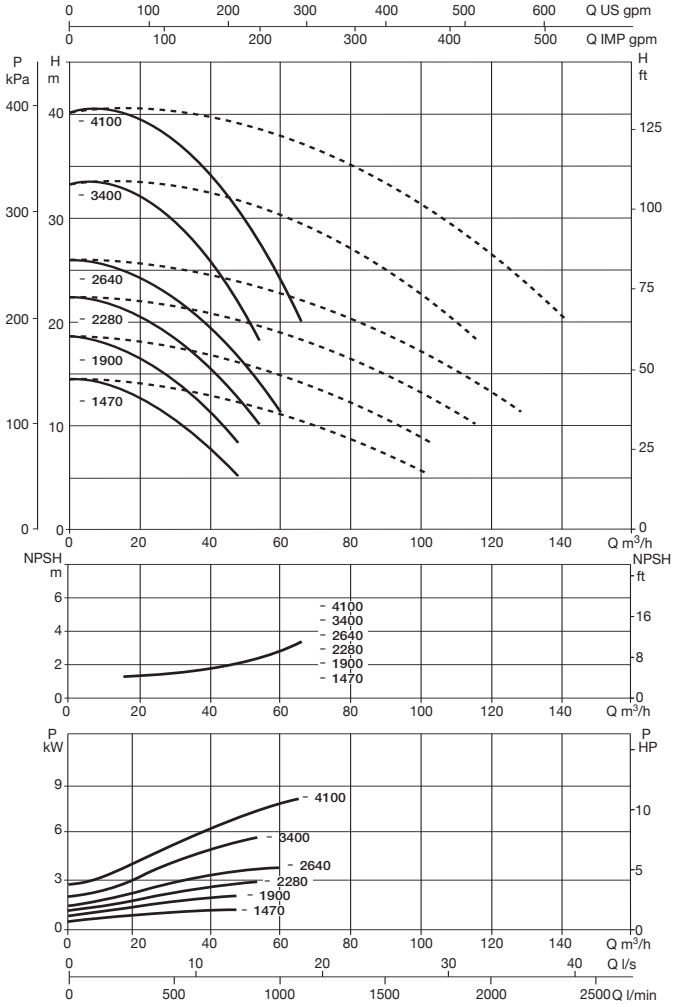
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA											
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A
								IE2		IE3				
						kW	HP	230	400	230	400			
DCP 50/1550 T	365	DN 50	3 x 230 - 400 V ~	2900	2,07	1,5	2	5,9	3,4	–	–	IE2	MEC90S	34/19.6
DCP 50/1900 T	365	DN 50	3 x 230 - 400 V ~	2900	2,53	2	2,7	8,0	4,6	–	–	IE2	MEC90L	41.6/24
DCP 50/2450 T	365	DN 50	3 x 230 - 400 V ~	2900	3,54	3	4	10,2	5,9	–	–	IE2	MEC100L	73.5/42.4
DCP 50/3000 T	365	DN 50	3 x 230 - 400 V ~	2900	3,54	3	4	10,2	5,9	–	–	IE2	MEC100L	43,2
DCP 50/3650 T	410	DN 50	3 x 230 - 400 V ~	2900	4,87	4	5,5	13,5	7,8	–	–	IE2	MEC112M	69,3

MODEL	L	L1	L2	B	B1	B2	H		H1	N	D	D1	D2	D3	D4	PACKING DIMENSIONS			VOLUME (m^3)	WEIGHT kg	
							IE2	IE3								L/A	L/B	H		IE2	IE3
DCP 50/1550 T	365	145	220	427	217	210	455	–	110	105	50 PN10	102	165	125	4 HOLES Ø 18	520	320	535	0,07	56	–
DCP 50/1900 T	365	145	220	427	217	210	455	–	110	105	50 PN10	102	165	125		520	320	535	0,07	58	–
DCP 50/2450 T	365	145	220	427	217	210	455	–	110	105	50 PN10	102	165	125		520	320	535	0,07	66	–
DCP 50/3000 T	365	145	220	480	217	210	495	–	110	105	50 PN10	102	165	125		580	360	585	0,09	56	–
DCP 50/3650 T	410	170	240	480	245	235	535	–	110	120	50 PN10	102	165	125		580	360	585	0,11	86	–

DCP-G 65 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

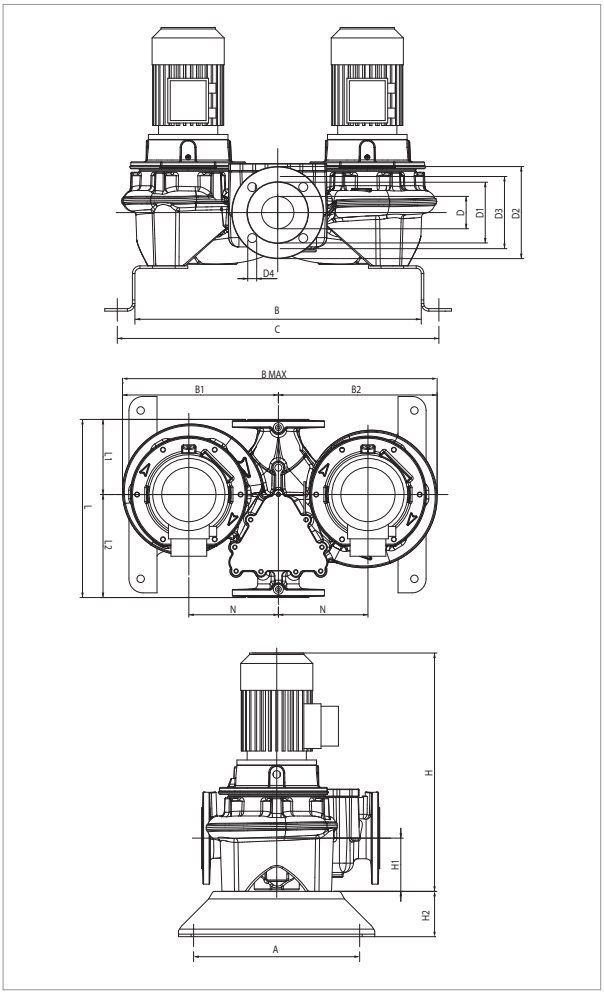
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3					
						kW	HP	230	400	230	400			IE2	IE3
DCP-G 65-1470/A/BAQE/1.5	360	DN 65	3x230-400 V ~	2883	1,9	1,50	2,00	5,8	3,3	–	–	IE2	MEC90S	51.3/29.6	–
DCP-G 65-1900/A/BAQE/2.2	360	DN 65	3x230-400 V ~	2872	3,1	2,20	3,00	8,2	4,7	–	–	IE2	MEC90L	68.4/39.5	–
DCP-G 65-2280/A/BAQE/3	360	DN 65	3 x 400 V ~ [1]	2882	3,4	3,00	4,00		5,8		–	IE2	MEC100L	52,2	–
DCP-G 65-2640/A/BAQE/4	360	DN 65	3 x 400 V ~ [1]	2910	4,7	4,00	5,50		8,0		–	IE2	MEC112M	73,6	–
DCP-G 65-3400/A/BAQE/5.5	360	DN 65	3 x 400 V ~ [1]	2913	6,6	5,50	7,50		10,4		–	IE2	MEC132S	80,8	–
DCP-G 65-4100/A/BAQE/7.5	360	DN 65	3 x 400 V ~ [1]	2900	8,6	7,50	10,00		14		13,4	IE2 / IE3	MEC132S	106,7	113,9

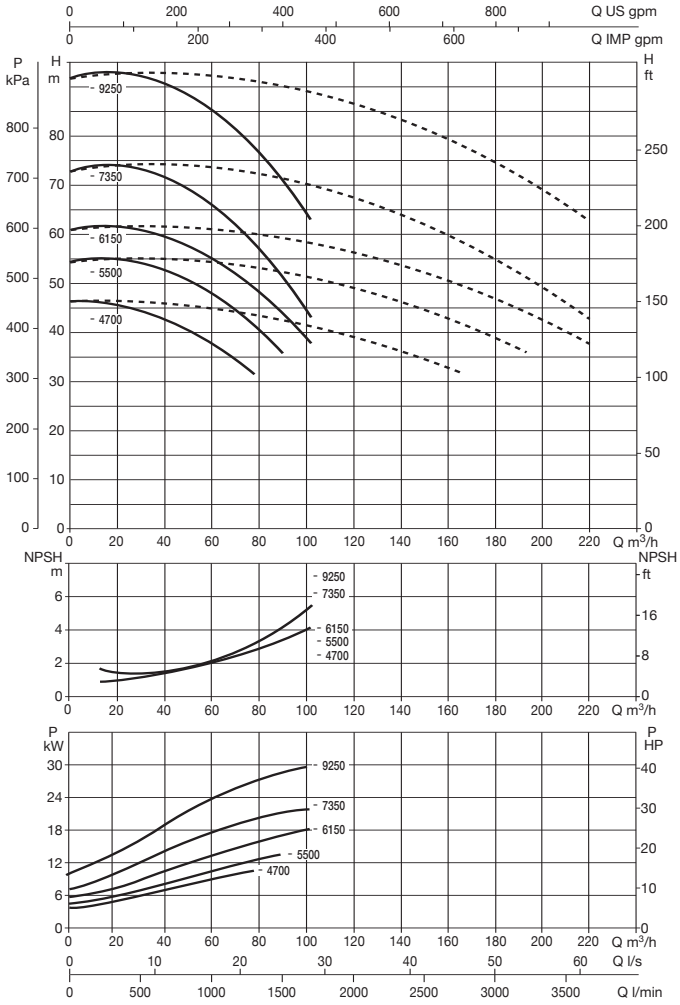
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 65-1470/A/BAQE/1.5	330	569	639	315	320	635	65	122	185	145	18	4	549	–	107	100	358	151	207	M16	180	358	635	549	0,12	143	–
DCP-G 65-1900/A/BAQE/2.2	330	569	639	315	320	635	65	122	185	145	18		574	–	107	100	358	151	207	M16	180	358	635	574	0,13	160	–
DCP-G 65-2280/A/BAQE/3	330	569	639	315	320	635	65	122	185	145	18		632	–	107	100	358	151	207	M16	180	358	635	632	0,14	186	–
DCP-G 65-2640/A/BAQE/4	330	569	639	315	320	635	65	122	185	145	18		647	–	107	100	358	151	207	M16	180	358	635	647	0,15	199	–
DCP-G 65-3400/A/BAQE/5.5	330	569	639	324	329	635	65	122	185	145	18		736	–	107	100	358	151	207	M16	180	358	635	736	0,17	265	–
DCP-G 65-4100/A/BAQE/7.5	330	569	639	324	329	653	65	122	185	145	18		736	783	107	100	358	151	207	M17	180	358	653	736	0,17	272	248

DCP-G 65 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

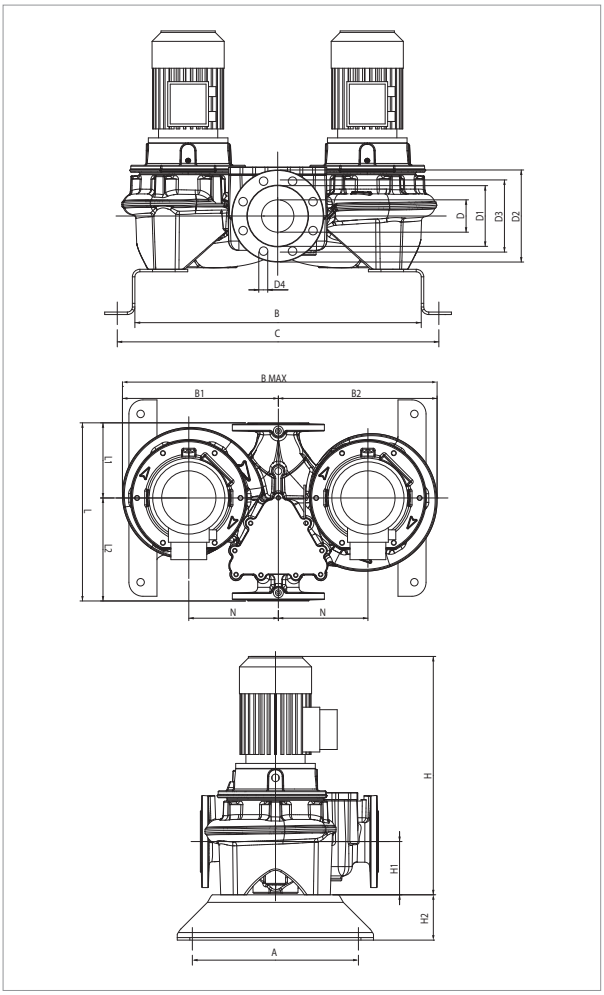
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCP-G 65-4700/A/BAQE/11	475	DN 65	3 x 400 V ~ [1]	2940	14,1	11,00	15,00	20,2	19,4	IE2 / IE3	MEC160M	126	147,4
DCP-G 65-5500/A/BAQE/15	475	DN 65	3 x 400 V ~ [1]	2943	17,2	15,00	20,00	27	26,5	IE2 / IE3	MEC160M	189,8	204
DCP-G 65-6150/A/BAQE/18.5	475	DN 65	3 x 400 V ~ [1]	2947	21,8	18,50	25,00	33	32	IE2 / IE3	MEC160L	239,9	262,4
DCP-G 65-7350/A/BAQE/22	475	DN 65	3 x 400 V ~ [1]	2961	24,1	22,00	30,00	39,5	38	IE2 / IE3	MEC180M	329	330,6
DCP-G 65-9250/A/BAQE/30	475	DN 65	3 x 400 V ~ [1]	2950	32,5	30,00	40,00	52	52	IE2 / IE3	MEC200L	405	468

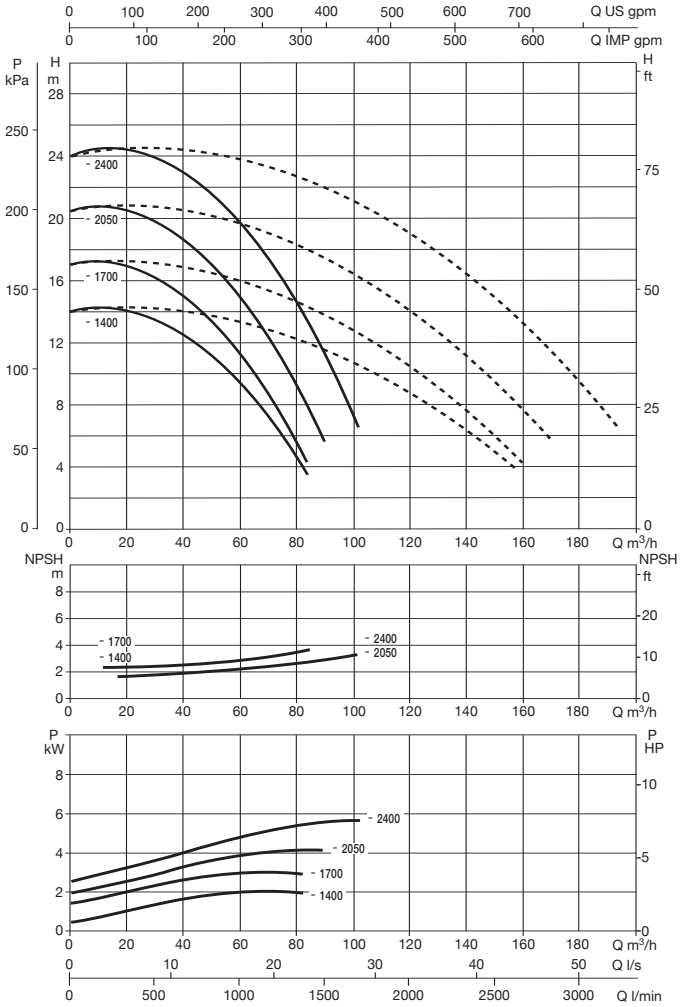
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 65-4700/A/BAQE/11	330	649	719	389	397	786	65	122	185	145	18		895	895	125	100	475	177	298	M16	220	475	786	895	0,33	411	388
DCP-G 65-5500/A/BAQE/15	330	649	719	389	397	786	65	122	185	145	18		895	895	125	100	475	177	298	M16	220	475	786	895	0.33	447	420
DCP-G 65-6150/A/BAQE/18.5	330	649	719	389	397	786	65	122	185	145	18	4	950	939	125	100	475	177	298	M16	220	475	786	950	0.35	481	450
DCP-G 65-7350/A/BAQE/22	330	649	719	389	397	786	65	122	185	145	18		970	970	125	100	475	177	298	M16	220	475	786	970	0.36	561	521
DCP-G 65-9250/A/BAQE/30	330	649	719	414	422	836	65	122	185	145	18		990	1000	125	100	475	177	298	M16	220	475	836	990	0,39	744	745

DCP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

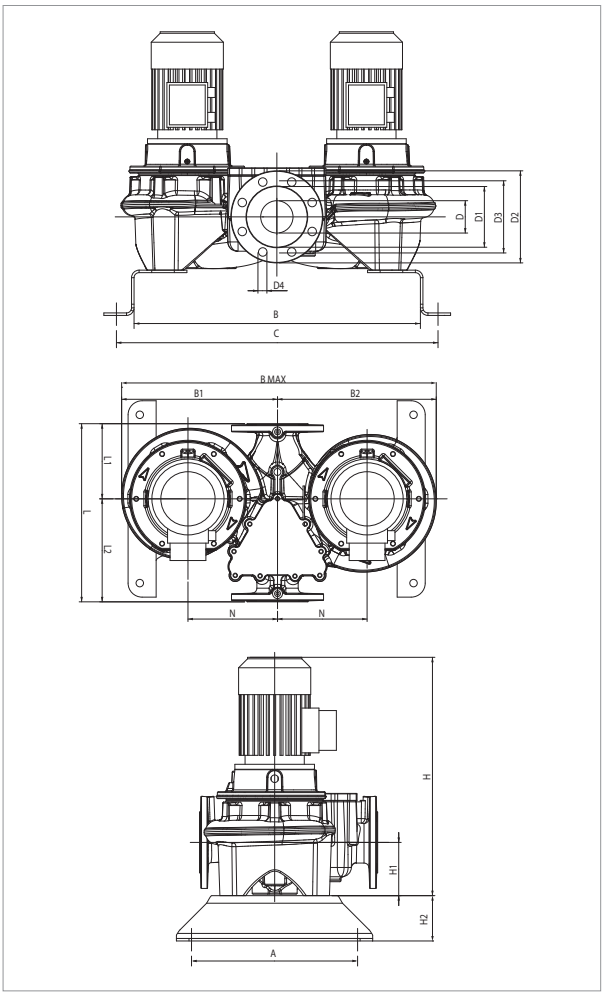
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA												
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A				MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2		IE3					
						kW	HP	230	400	230	400			IE2	IE3
DCP-G 80-1400/A/BAQE/2.2	360	DN 80	3x230-400 V ~	2874	3,0	2,20	3,00	8,2	4,7	–	–	IE2	MEC90L	68.4/39.5	–
DCP-G 80-1700/A/BAQE/3	360	DN 80	3 x 400 V ~ [1]	2880	3,5	3,00	4,00		5,8		–	IE2	MEC100L	52,2	–
DCP-G 80-2050/A/BAQE/4	360	DN 80	3 x 400 V ~ [1]	2914	5,0	4,00	5,50		8,0		–	IE2	MEC112M	73,6	–
DCP-G 80-2400/A/BAQE/5.5	360	DN 80	3 x 400 V ~ [1]	2910	6,4	5,50	7,50		10,4		–	IE2	MEC132S	80,8	–

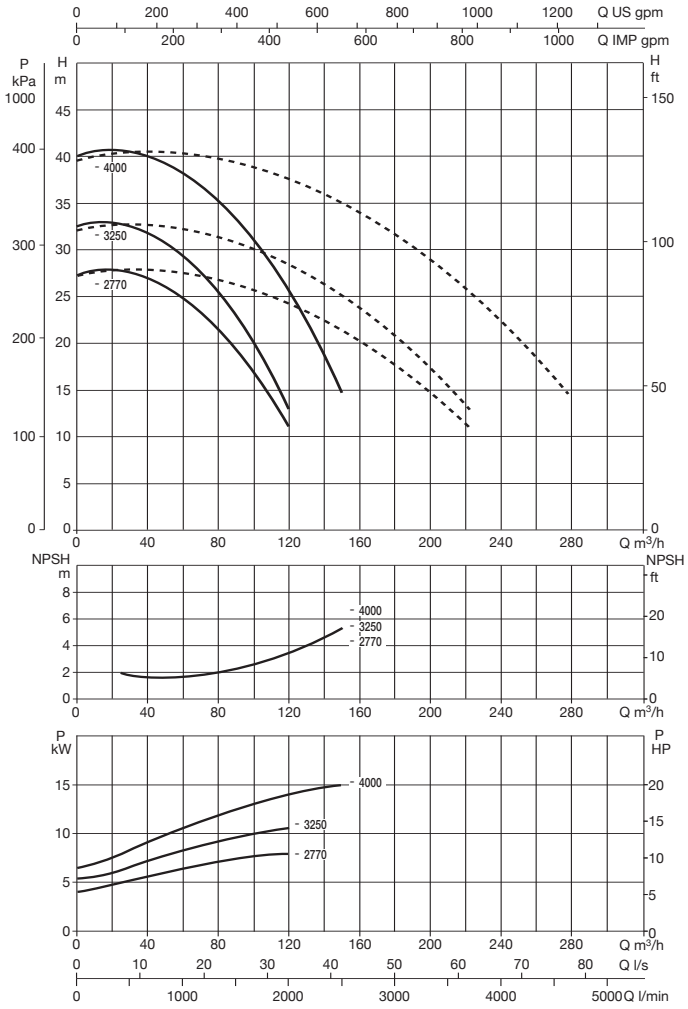
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 80-1400/A/BAQE/2.2	330	580	650	305	310	615	80	137	200	160	18	8	586	–	115	100	360	165	195	M16	180	360	615	586	0,13	172	–
DCP-G 80-1700/A/BAQE/3	330	580	650	305	310	615	80	137	200	160	18		644	–	115	100	360	165	195	M16	180	360	615	644	0,14	179	–
DCP-G 80-2050/A/BAQE/4	330	580	650	305	310	615	80	137	200	160	18		659	–	115	100	360	165	195	M16	180	360	615	659	0,15	188	–
DCP-G 80-2400/A/BAQE/5.5	330	580	650	327	332	659	80	137	200	160	18		748	–	115	100	360	165	195	M16	180	360	659	748	0,18	257	–

DCP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

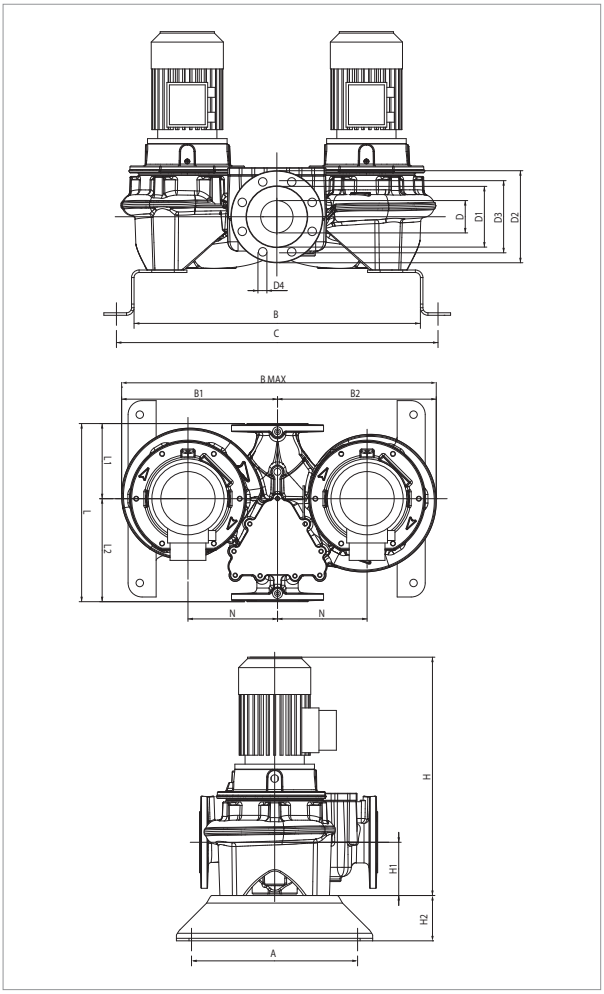
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3				
						kW	HP	400				IE2	IE3
DCP-G 80-2770/A/BAQE/7.5	440	DN 80	3 x 400 V ~ [1]	2905	9,2	7,50	10,00	14	13,4	IE2 / IE3	MEC132S	106,7	113,9
DCP-G 80-3250/A/BAQE/11	440	DN 80	3 x 400 V ~ [1]	2932	12,7	11,00	15,00	20,2	19,4	IE2 / IE3	MEC160M	126	147,4
DCP-G 80-4000/A/BAQE/15	440	DN 80	3 x 400 V ~ [1]	2945	17,5	15,00	20,00	27	26,5	IE2 / IE3	MEC160M	189,8	204

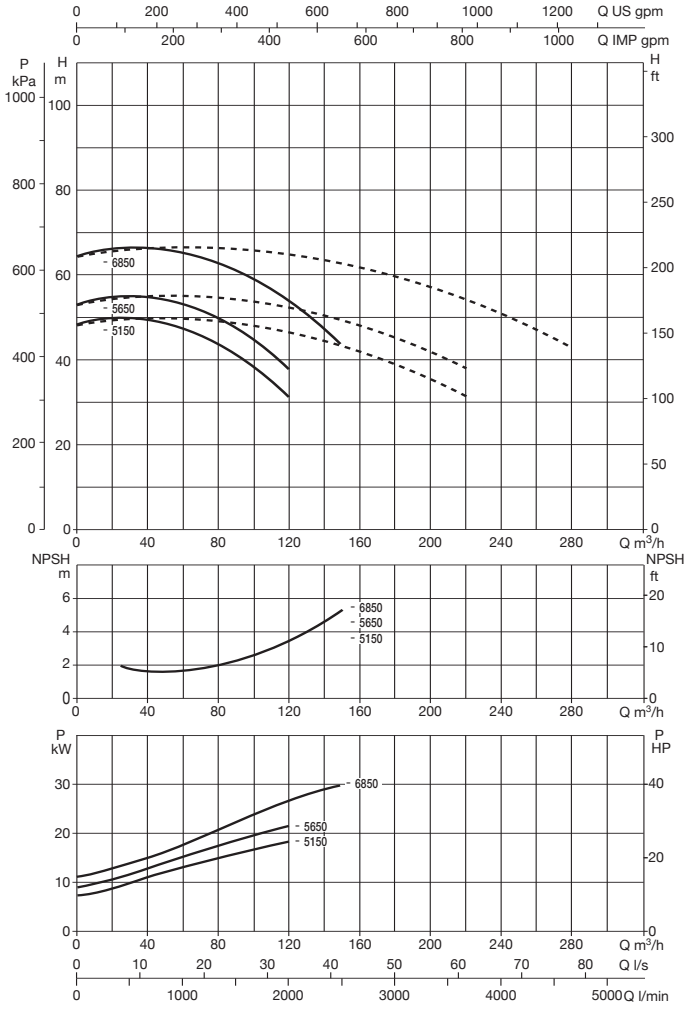
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 80-2770/A/BAQE/7.5	330	620	690	355	365	720	80	137	200	160	18		748	795	115	100	440	165	195	M16	180	440	720	748	0.24	174	150
DCP-G 80-3250/A/BAQE/11	330	620	690	344	374	738	80	137	200	160	18	8	893	893	115	100	440	165	195	M16	180	440	738	893	0,29	192	169
DCP-G 80-4000/A/BAQE/15	330	620	690	344	374	738	80	137	200	160	18		893	893	115	100	440	165	195	M16	180	440	738	893	0,29	202	175

DCP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140°C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

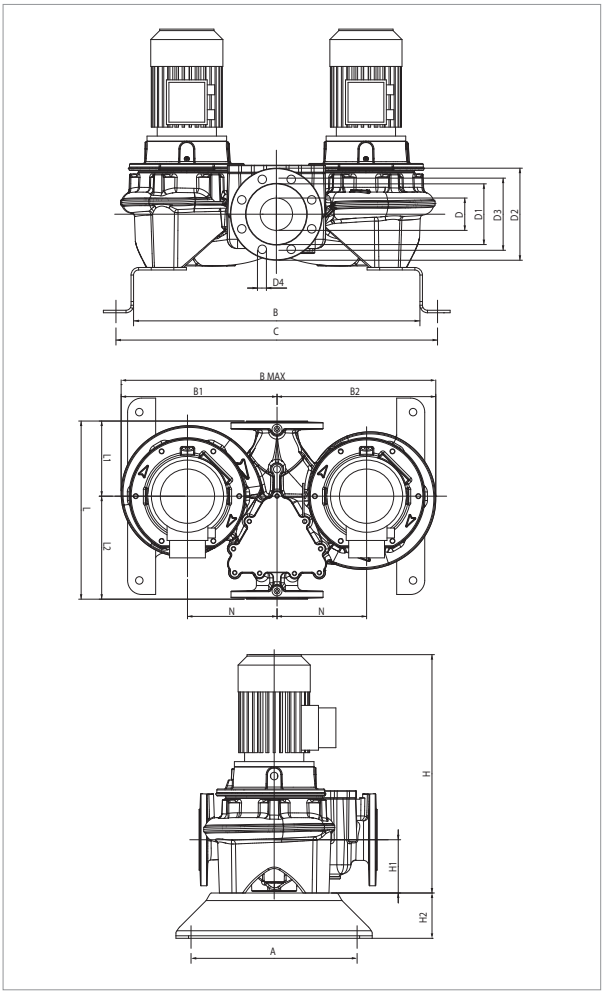
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3				
						kW	HP	400				IE2	IE3
DCP-G 80-5150/A/BAQE/18.5	500	DN 80	3 x 400 V ~ [1]	2943	21,0	18,50	25,00	33	32	IE2 / IE3	MEC160L	239,9	262,4
DCP-G 80-5650/A/BAQE/22	500	DN 80	3 x 400 V ~ [1]	2967	25,3	22,00	30,00	39,5	38	IE2 / IE3	MEC180M	329	330,6
DCP-G 80-6850/A/BAQE/30	500	DN 80	3 x 400 V ~ [1]	2951	32,8	30,00	40,00	52	52	IE2 / IE3	MEC200L	405	468

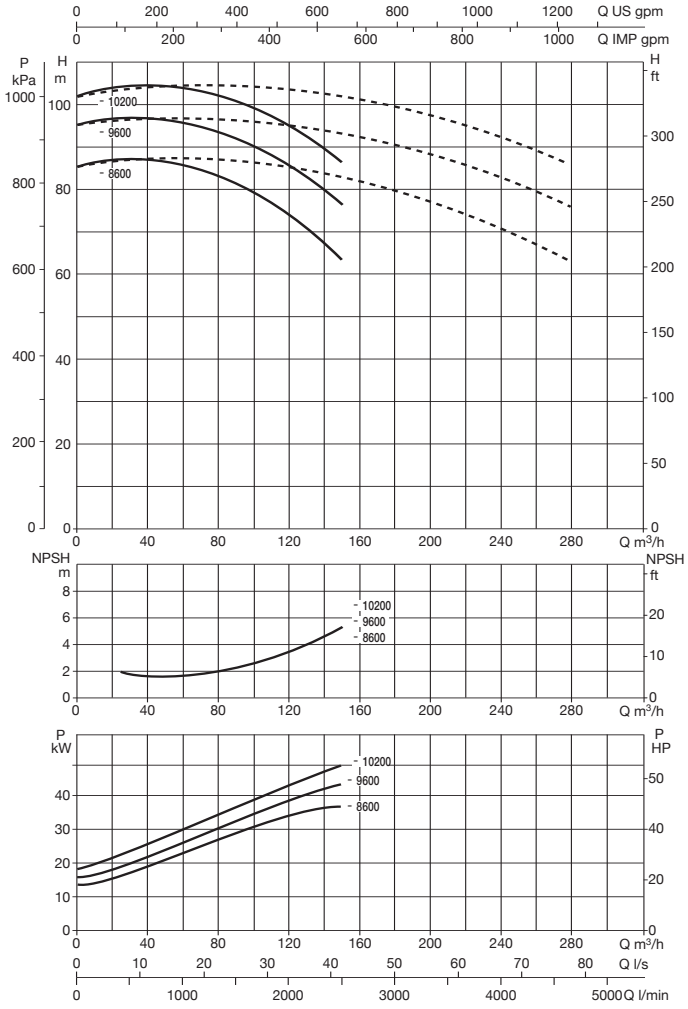
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 80-5150/A/BAQE/18.5	362	662	732	405	415	820	80	137	200	160	18	8	954	943	115	100	500	180	260	M16	200	500	820	954	0,39	254	223
DCP-G 80-5650/A/BAQE/22	362	662	732	405	415	820	80	137	200	160	18		974	974	115	100	500	180	260	M16	200	500	820	974	0.40	393	353
DCP-G 80-6850/A/BAQE/30	362	662	732	426	394	862	80	137	200	160	18		1054	1064	115	100	500	180	260	M16	200	500	862	1054	0,45	484	485

DCP-G 80 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

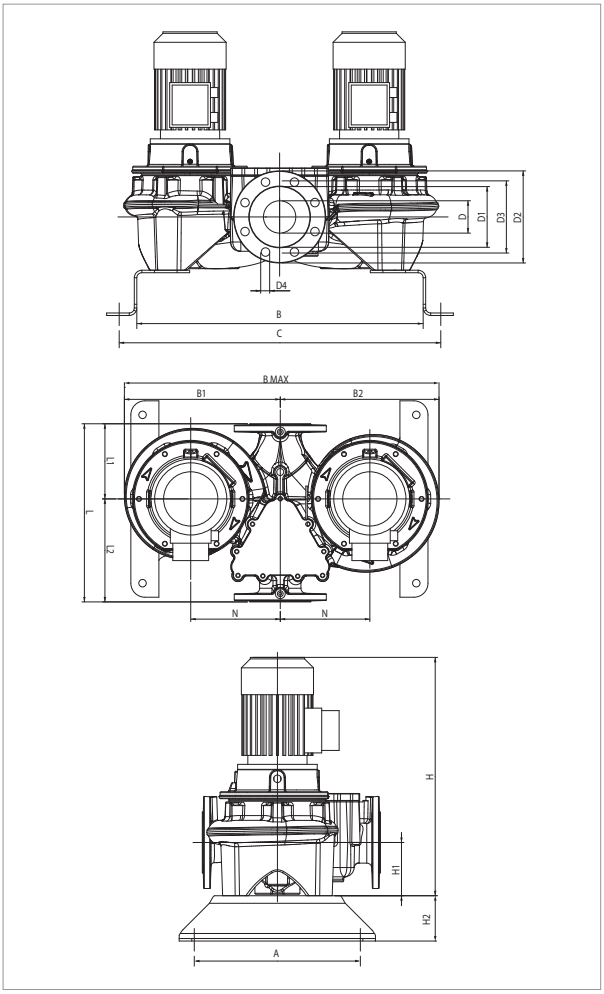
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3			IE2	IE3
						kW	HP	400					
DCP-G 80-8600/A/BAQE/37	620	DN 80	3 x 400 V ~ [1]	2967	41,9	37,00	50,00	64	63	IE2 / IE3	MEC200L	487,7	567
DCP-G 80-9600/A/BAQE/45	620	DN 80	3 x 400 V ~ [1]	2966	51,2	45,00	60,00	78,5	76	IE2 / IE3	MEC225M	528,3	630,8
DCP-G 80-10200/A/BAQE/55	620	DN 80	3 x 400 V ~ [1]	2979	63,2	55,00	75,00	94	95	IE2 / IE3	MEC250M	783	684

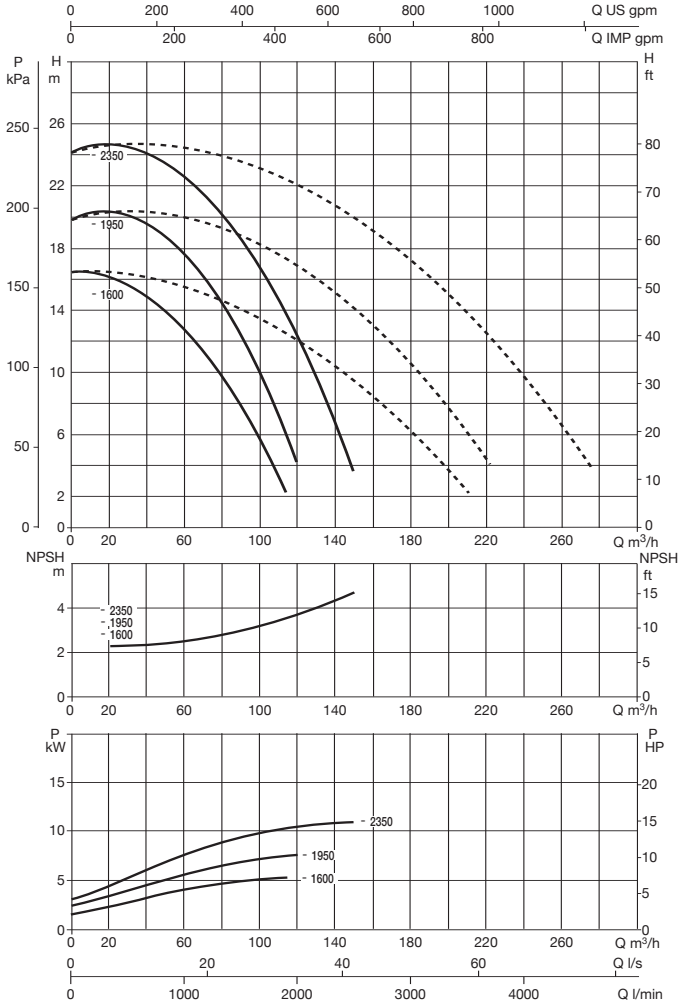
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 80-8600/A/BAQE/37	500	804	924	530	540	1070	80	137	200	160	18	8	1071	1081	115	100	620	220	280	M16	235	620	1070	1071	0,71	468	482
DCP-G 80-9600/A/BAQE/45	500	804	924	530	540	1070	80	137	200	160	18		1091	1096	115	100	620	220	280	M16	235	620	1070	1091	0,72	644	673
DCP-G 80-10200/A/BAQE/55	500	804	924	567	577	1144	80	137	200	160	18		1216	1216	115	100	620	220	280	M16	235	620	1144	1216	0,86	902	939

DCP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

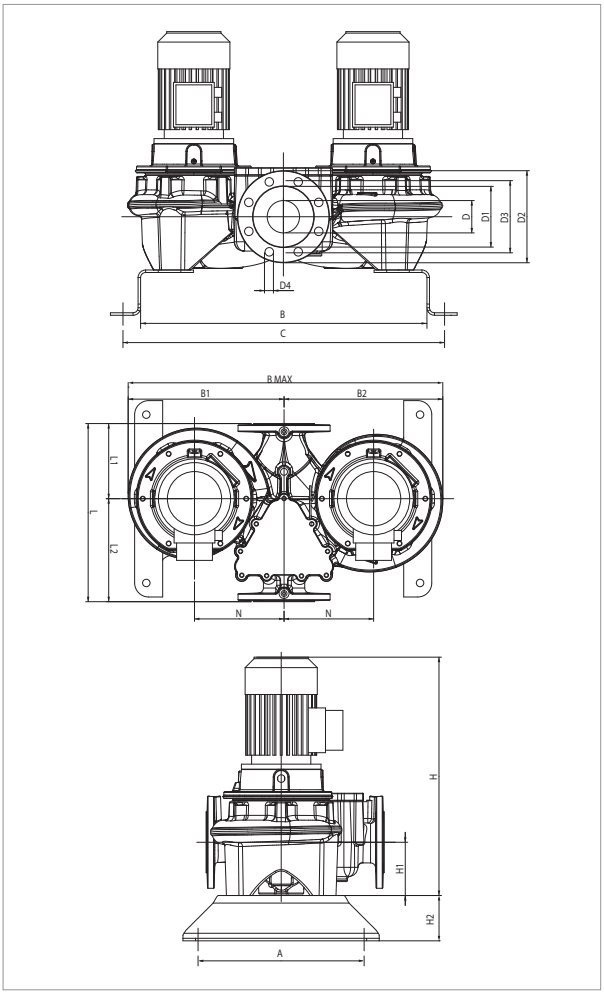
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCP-G 100-1600/A/BAQE/4	500	DN 100	3 x 400 V ~ [1]	2918	5,3	4,00	5,50	8,05	–	IE2	MEC112M	73,6	–
DCP-G 100-1950/A/BAQE/5.5	500	DN 100	3 x 400 V ~ [1]	2918	7,0	5,50	7,50	10,4	–	IE2	MEC132S	80,8	–
DCP-G 100-2350/A/BAQE/7.5	500	DN 100	3 x 400 V ~ [1]	2906	9,2	7,50	10,00	14	13,4	IE2 / IE3	MEC132S	106,7	113,9

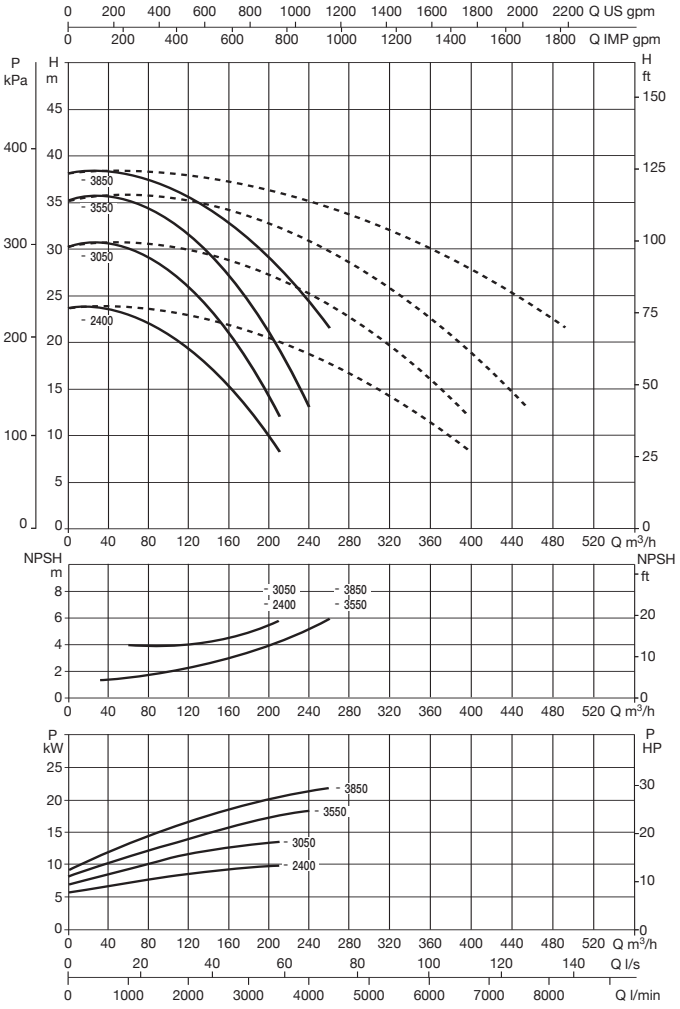
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 100-1600/A/BAQE/4	362	637	717	330	345	675	80	137	200	160	18	8	687	–	140	100	500	280	340	M16	300	500	675	687	0,23	176	–
DCP-G 100-1950/A/BAQE/5.5	362	637	717	335	350	685	80	137	200	160	18		775	–	140	100	500	280	340	M16	300	500	685	775	0,27	190	–
DCP-G 100-2350/A/BAQE/7.5	362	637	717	335	350	685	80	137	200	160	18		775	822	140	100	500	280	340	M16	300	500	685	775	0,27	218	194

DCP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

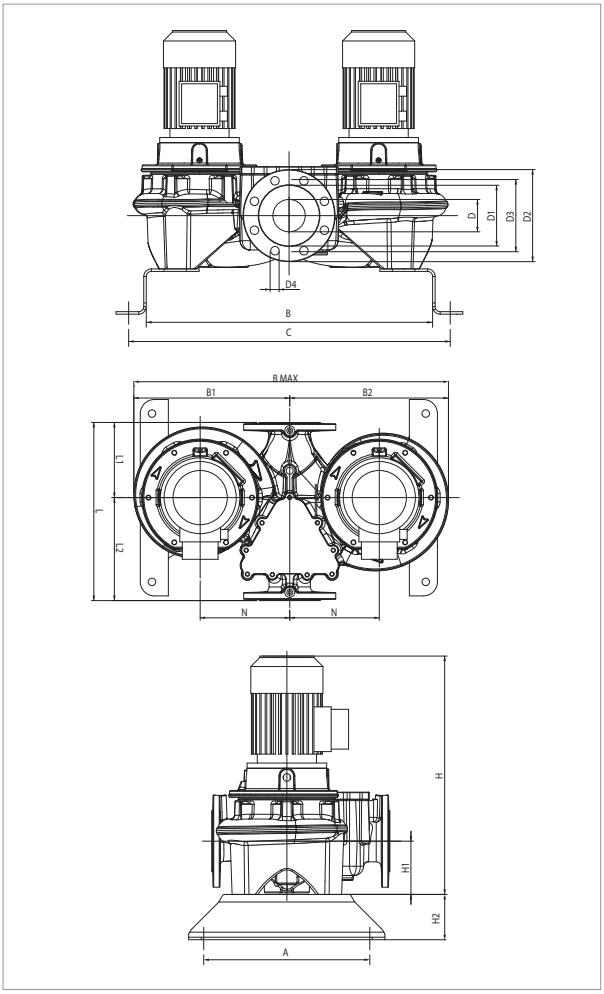
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCP-G 100-2400/A/BAQE/11	550	DN 100	3 x 400 V ~ [1]	2940	13,9	11,00	15,00	20,2	19,4	IE2 / IE3	MEC160M	126	147,4
DCP-G 100-3050/A/BAQE/15	550	DN 100	3 x 400 V ~ [1]	2941	16,9	15,00	20,00	27	26,5	IE2 / IE3	MEC160M	189,8	204
DCP-G 100-3550/A/BAQE/18.5	550	DN 100	3 x 400 V ~ [1]	2948	21,9	18,50	25,00	33	32	IE2 / IE3	MEC160L	239,9	262,4
DCP-G 100-3850/A/BAQE/22	550	DN 100	3 x 400 V ~ [1]	2973	26,5	22,00	30,00	39,5	38	IE2 / IE3	MEC180M	329	330,6

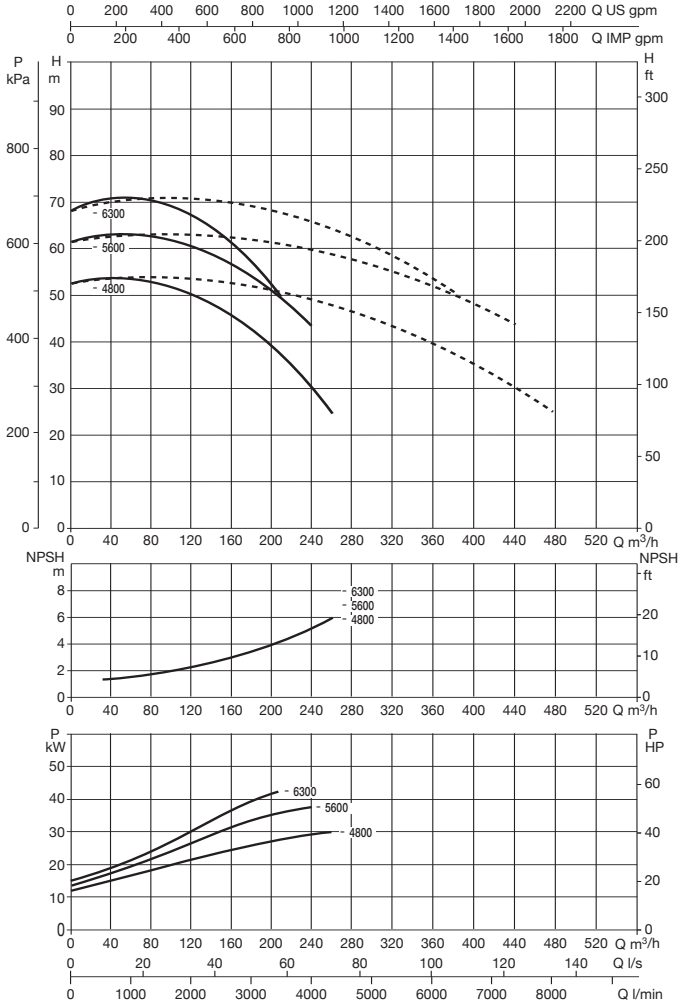
[1] star start-up possible (⅄)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 100-2400/A/BAQE/11	362	733	813	395	410	805	100	156	220	180	18	8	261	915	140	100	550	191	309	M16	200	550	805	915	0,41	915	238
DCP-G 100-3050/A/BAQE/15	362	733	813	395	410	805	100	156	220	180	18		340	915	140	100	550	191	309	M16	200	550	805	915	0,41	915	313
DCP-G 100-3550/A/BAQE/18.5	362	733	813	395	410	805	100	156	220	180	18		360	959	140	100	550	191	309	M16	200	550	805	970	0,43	970	329
DCP-G 100-3850/A/BAQE/22	362	733	813	395	410	805	100	156	220	180	18		442	990	140	100	550	191	309	M16	200	550	805	990	0,44	990	402

DCP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

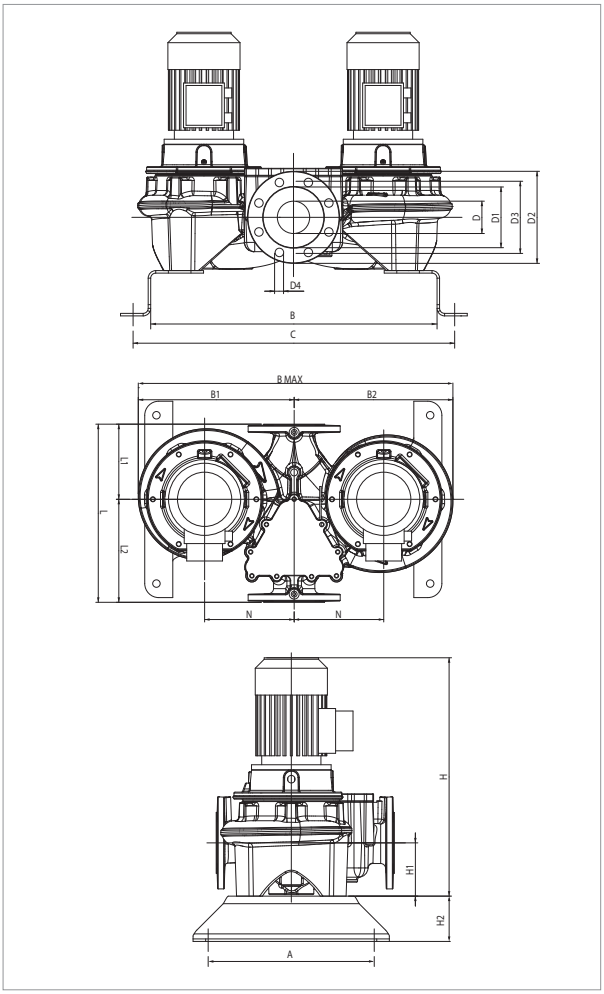
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCP-G 100-4800/A/BAQE/30	550	DN 100	3 x 400 V ~ [1]	2966	39,2	30,00	40,00	52	52	IE2 / IE3	MEC200L	405	468
DCP-G 100-5600/A/BAQE/37	550	DN 100	3 x 400 V ~ [1]	2975	45,0	37,00	50,00	64	63	IE2 / IE3	MEC200L	487,7	567
DCP-G 100-6300/A/BAQE/45	550	DN 100	3 x 400 V ~ [1]	2975	55,9	45,00	60,00	78,5	76	IE2 / IE3	MEC225M	528,3	630,8

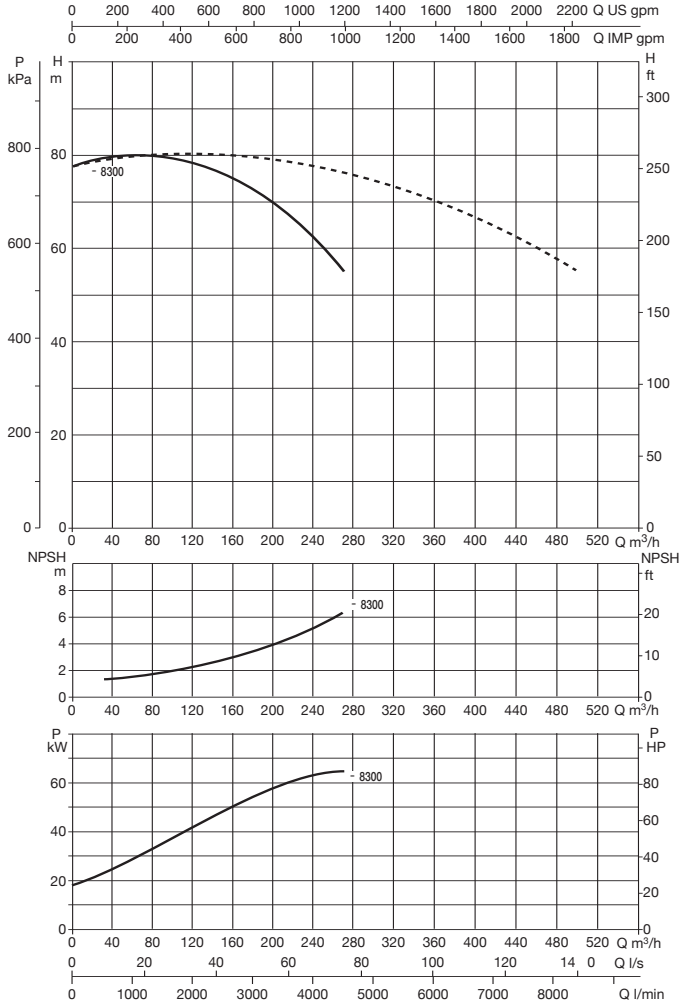
[1] star start-up possible (⋀)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 100-4800/A/BAQE/30	362	753	833	440	450	890	100	156	220	180	18		1108	1118	140	100	550	221	329	M16	235	550	890	1108	0,54	495	496
DCP-G 100-5600/A/BAQE/37	362	753	833	440	450	890	100	156	220	180	18	8	1108	1118	140	100	550	221	329	M16	235	550	890	1108	0,54	683	697
DCP-G 100-6300/A/BAQE/45	362	753	833	465	475	940	100	156	220	180	18		1098	1103	140	100	550	221	329	M16	235	550	940	1098	0,57	1033	1062

DCP-G 100 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

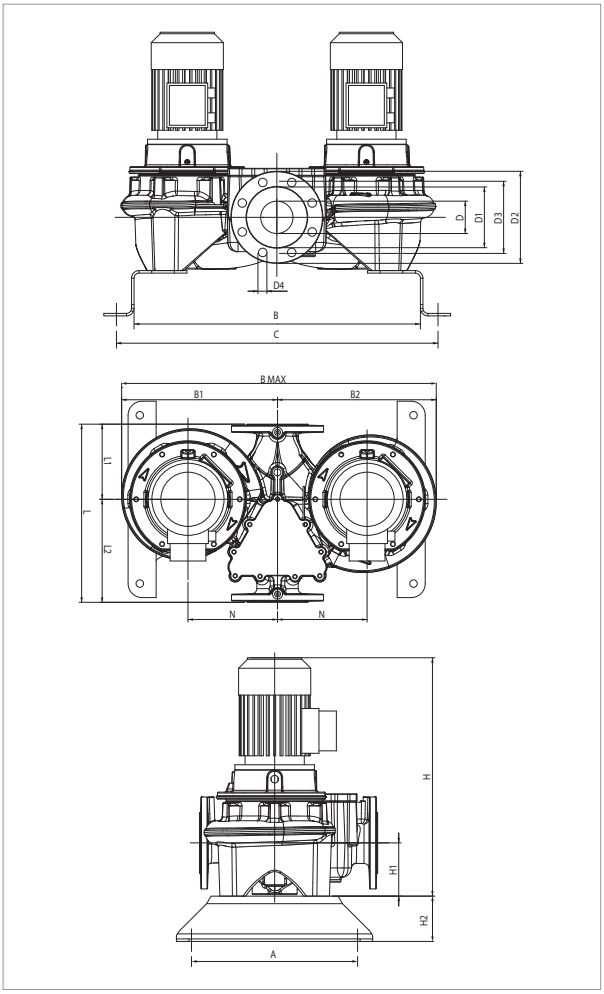
MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
						kW	HP	IE2	IE3			IE2	IE3
								400					
DCP-G 100-8300/A/BAQE/55	670	DN 100	3 x 400 V ~ [1]	2981	70,1	55,00	75,00	94	95	IE2 / IE3	MEC250M	783	684

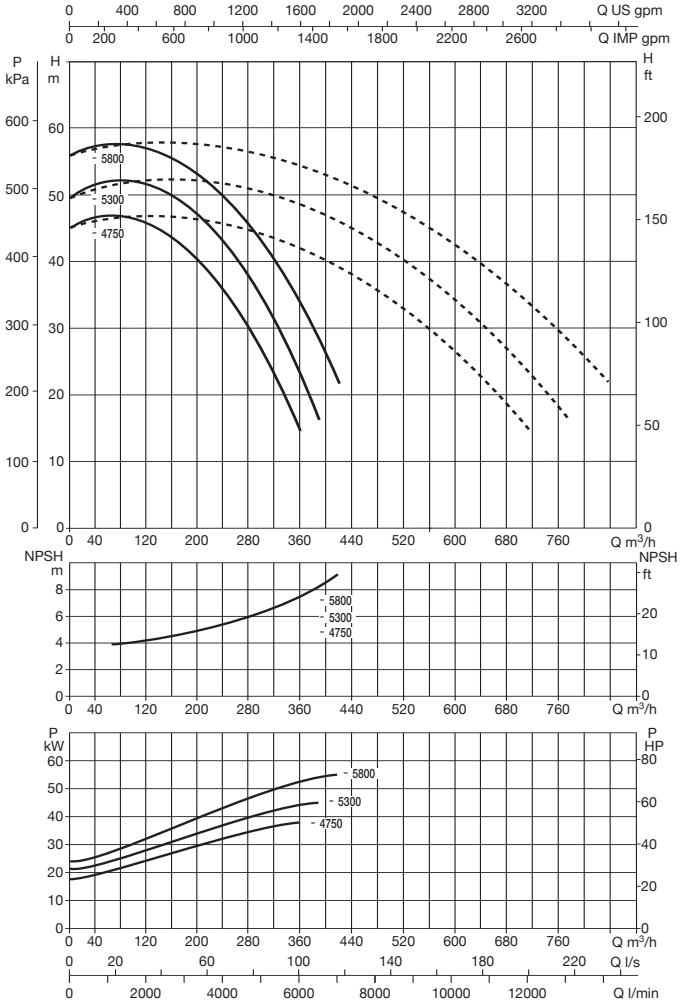
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 100-8300/A/BAQE/55	500	836	956	563	578	1141	100	156	220	180	18	8	1256	1256	140	100	670	221	329	M16	250	670	1141	1256	0,96	1351	1388

DCP-G 125 2 POLES- IN-LINE ELECTRIC PUMPS FOR HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR, AND SANITARY SYSTEMS - TWIN, FLANGED

Pumped liquid temperature range: from -10 °C to +140 °C - **Maximum ambient temperature:** +40 °C





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

For the MEI index refer to the hydraulic data of the individual pump.

MODEL	CENTRE DISTANCE	PUMP CONNECTIONS	ELECTRICAL DATA										
			POWER INPUT 50 Hz	n r.p.m.	P1 MAX W	P2 NOMINAL		In A		MOTOR TYPE	MOTOR SIZE	I st. A	
								IE2	IE3				
						kW	HP	400				IE2	IE3
DCP-G 125-4750/A/BAQE/37	620	DN 125	3 x 400 V ~ [1]	2975	44,7	37,00	50,00	64	63	IE2 / IE3	MEC200L	487,7	567
DCP-G 125-5300/A/BAQE/45	620	DN 125	3 x 400 V ~ [1]	2973	53,9	45,00	60,00	78,5	76	IE2 / IE3	MEC225M	528,3	630,8
DCP-G 125-5800/A/BAQE/55	620	DN 125	3 x 400 V ~ [1]	2985	68,2	55,00	75,00	94	95	IE2 / IE3	MEC250M	783	684

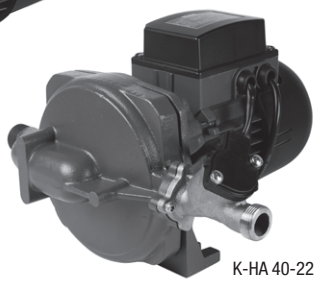
[1] star start-up possible (λ)

MODEL	A	B	C	B1	B2	B max	D	D1	D2	D3	D4	no. of holes	H		H1	H2	L	L1	L2	M	N	PACKING DIMENSIONS			VOL. (m^3)	WEIGHT kg	
													IE2	IE3								L/A	L/B	H		IE2	IE3
DCP-G 125-4750/A/BAQE/37	500	810	930	515	535	1050	100	156	220	180	18	8	1188	1198	175	100	620	266	404	M16	300	620	1050	1188	0,77	849	863
DCP-G 125-5300/A/BAQE/45	500	810	930	515	535	1050	100	156	220	180	18		1178	1183	175	100	620	266	404	M16	300	620	1050	1178	0,77	999	1028
DCP-G 125-5800/A/BAQE/55	500	810	930	554	574	1128	100	156	220	180	18		1303	1303	175	100	620	266	404	M16	300	620	1128	1303	0,91	1268	1305

K-HA

CENTRIFUGAL PRESSURE BOOSTING PUMPS

K-HA 20-9



K-HA 40-22

ONLY FOR EXTRA EU MARKETS EXCEPT RUSSIA

TECHICAL DATA

Operating range: up to 4,2 m3/h with head up to 22m.
Liquid quality requirements: clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallized, chemically neutral, close to the characteristics of water.
Liquid temperature range: from 0°C to +100 °C
Ambient temperature: from -10°C to +55 °C
Enviroment humidity: ≤ 95%
Maximum operating pressure: 4 bar (35° C liquid temperature), 2 bar (65° C liquid temperature)
Minimum automatic (flow switch) operating pressure: 0,5 mwc
Minimum automatic (flow switch) operating flow: 2,5 l/min

APPLICATIONS

K-HA single impeller centrifugal pump is designed for water pressure boosting in households, flats (domestic properties) to provide additional pressure to hot and cold water taps and similar outlet points. K-HA centrifugal pump is mainly for use in open vented systems(tanks), but may also be installed directly on the incoming water mains supply to feed a boiler, provided approval has been obtained from the local Water Company. The pump incorporates a flow switch which starts and stops the pump according to flow when a tap is opened or closed. The pump is supplied with a 0,3 meter power cable.

CONSTRUCTION FEATURES OF THE PUMP

- Cast iron pump body and motor support with cataphoresis coating.
- Brass flow switch body.
- Technopolymer impeller.
- Carbon / ceramic mechanical seal.

PLUS

- Flow switch in brass, directly assembled on the delivery port of the pump body (45° from vertical)
- Automatic (by flow switch) or manual operating modes
- Easy way fixing bracket
- Rubber foot to increase pump stability
- Silent operating

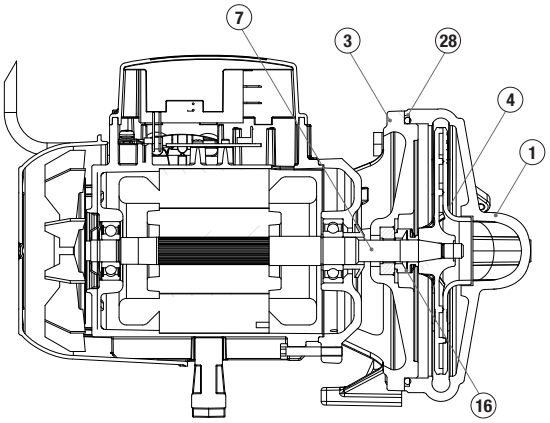
CONSTRUCTION FEATURES OF THE MOTOR

Induction motor, closed and cooled with external ventilation.
Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Built-in thermal and current overload protection and a capacitor permanently in circuit.
Motor protection: IP 44.
Insulation class: F.
Standard voltage: single phase ~220V / 50 Hz.
Motor construction in conformity with standards CEI 2-3 - CEI 61-69 (EN 60335-2-41).

MATERIALS

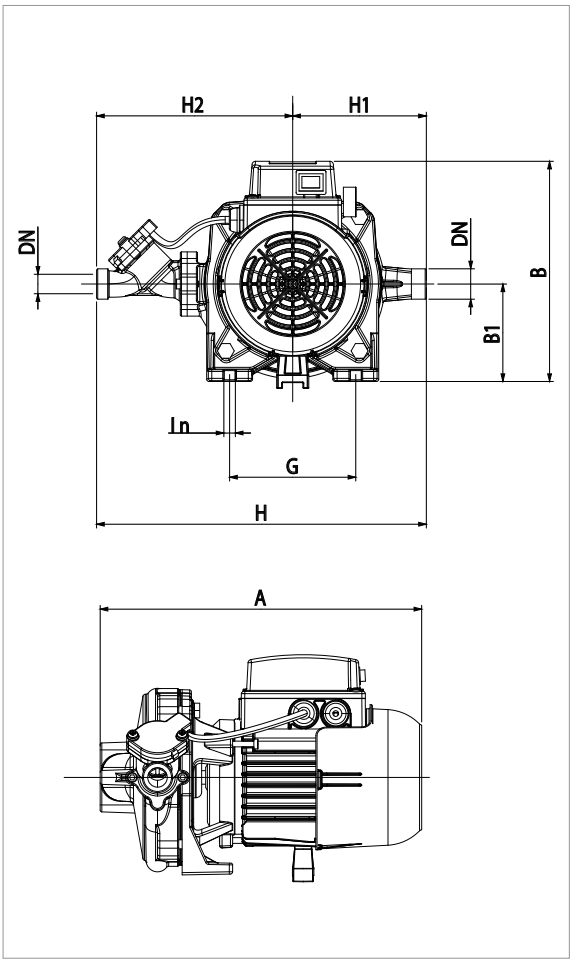
N.	PARTS *	MATERIALS
1	PUMP BODY	CAST IRON WITH CATAPHORESIS COATING
3	SUPPORT	CAST IRON WITH CATAPHORESIS COATING
4	IMPELLER	TECHNOPOLYMER B
7	SHAFT	STAINLESS STEEL AISI 416 X12CrS13 UNI 6900/71
16	MACHANICAL SEAL	CARBON/CERAMIC/HNBR
28	O-RING	NBR RUBBER

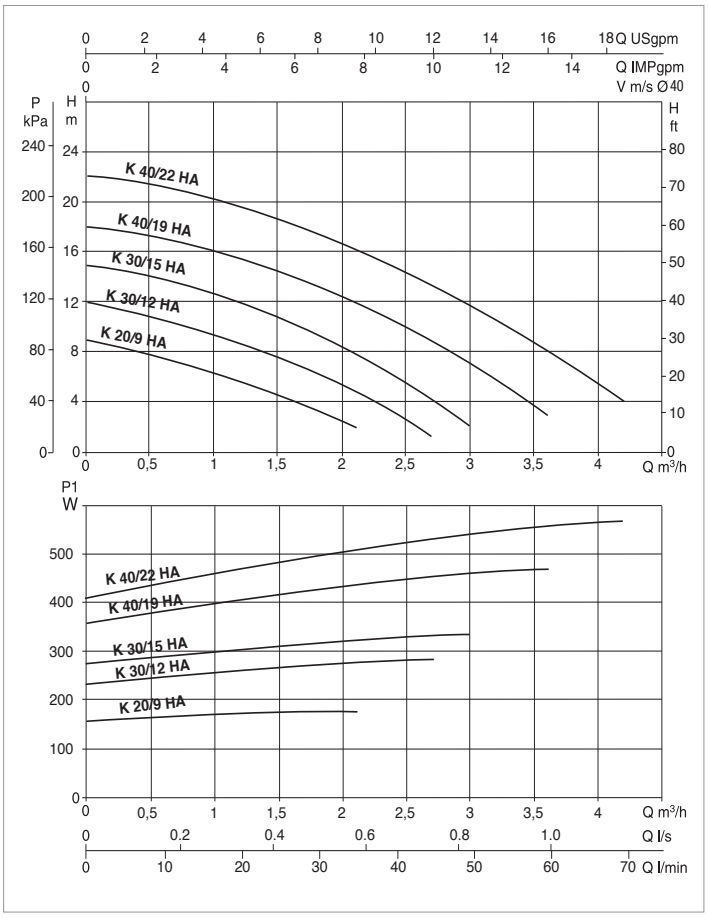
* In contact with liquid.



K-HA - CENTRIFUGAL PRESSURE BOOSTING PUMPS FOR WATER PRESSURE BOOSTING IN HOUSEHOLDS

Liquid temperature range: from 0 °C to +100 °C - **Maximum ambient temperature:** from -10 °C to +55 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³.
Curve tolerance according to ISO 9906.

MODEL	Q=m³/h	0	0,5	1	1,5	2	2,5	3	3,5	4
	Q=l/min	0	8,3	16,6	25	33,3	41,6	50	58,3	66,6
K 20/9 HA	H (m)	8,9	7,8	6,3	4,5	2,5				
K 30/12 HA		12	10,8	9,3	7,6	5,4	2,6			
K 30/15 HA		14,8	14,1	12,7	10,7	8,4	5,4			
K 40/19 HA		18	17,3	16,1	14,4	12,4	10	7	3,6	
K 40/22 HA		22	21,4	20,2	18,6	16,6	14,3	11,7	8,7	5,5

MODEL	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	I st. A	cos ϕ	CAPACITOR (µF)	HOSE DIAMETER (mm)	MAXIMUM FLOW RATE (m³/h)	MAXIMUM HEAD (m)
			KW	HP							
K 20/9 HA	220 V	0,18	0,03	0,12	0,82	2,89	0,926	8	ø 16 mm	2,10	9
K 30/12 HA	220 V	0,28	0,12	0,16	1,28	4,09	0,969	8	ø 16 mm	2,40	12
K 30/15 HA	220 V	0,34	0,18	0,25	1,5	4,09	0,98	8	ø 16 mm	3,00	15
K 40/19 HA	220 V	0,47	0,25	0,34	2,25	7,6	0,905	8	ø 16 mm	3,60	18
K 40/22 HA	220 V	0,57	0,37	0,5	2,54	7,6	0,932	8	ø 16 mm	4,20	22

MODEL	A	B	B1	DN	G	H	H1	H2	I Ø	WEIGHT (kg)
K 20/9 HA	253	172	65	G ¾"	70	231	83	148	8	5,4
K 30/12 HA	282	192	85	G ¾"	110	287,5	116,5	171	9,5	7,9
K 30/15 HA	282	192	85	G ¾"	110	287,5	116,5	171	9,5	7,9
K 40/19 HA	280,5	192	85	G ¾"	110	287,5	116,5	171	9,5	8,9
K 40/22 HA	280,5	192	85	G ¾"	110	287,5	116,5	171	9,5	8,9

KC / KCV

COMPOSITE MATERIAL CENTRIFUGAL ELECTRIC PUMPS

KC

KCV

TECHNICAL DATA

Operating range: from 3 to 45 m^3/h.
Maximum head: 24 m.
Maximum operating pressure: 6.5 bar.
Pumped liquid temperature range: from -10 to +55 °C.
Maximum glycol percentage: up to 40 %.
Maximum ambient temperature: 65 °C.
Motor protection: IP55.
Insulation class: F (copper wire with H class insulation).
Standard voltage: three-phase 230-400 V / 50 Hz.
Installation: fixed or portable, horizontal position.
Special versions on request:
other power input voltages and/or frequencies.

APPLICATIONS

Pumping of water or other non-aggressive, non-explosive liquids, free from solid particles or fibres.
Particularly suited for pumping water containing glycol for air conditioning systems.

PLUS

Versatile: thanks to the high quality construction materials used and the oversized motors, the KC and KCV range can be used in environments with temperatures up to 65 °C, and glycol percentages of up to 40% of the pumped liquid.

Reliable: all the components have been sized to guarantee a minimum life time of at least 50,000 hours of operation (with the exception of the bearings and the mechanical seals, for which the average life guaranteed is 25,000 hours in the most demanding conditions).

Rust-proof: all the components in contact with the liquid are made of thermoplastic material (polypropylene or noryl reinforced), and the pump shaft is made of stainless steel (AISI 304).

Flexible: possibility of rotating the pump body at 90 °C for better installation flexibility. Complete hydraulics (pump body, seal holder flange, impeller, diffuser) made of fibreglass reinforced technopolymer, shaft extension in contact with the liquid made of AISI 304 stainless steel.

CONSTRUCTION FEATURES OF THE PUMP

Silicon carbide/graphite mechanical seal, EPDM O rings

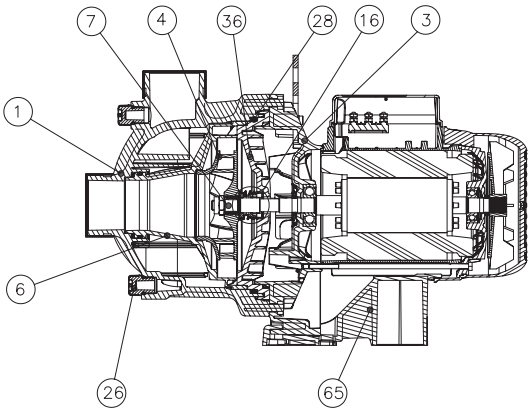
CONSTRUCTION FEATURES OF THE MOTOR

- Continuous service external ventilation asynchronous motor (S1), 2 poles
- Maximum ambient temperature: 65 °C
- Sealed ball bearings, resistant to water and humidity
- Motor construction in accordance with EN 60335-2-41.

MATERIALS

N.	PARTS*	MATERIALS
1	PUMP BODY	FIBREGLASS REINFORCED TECHNOPOLYMER
3	SUPPORT	DIE-CAST ALUMINIUM ALLOY
4	IMPELLER	FIBREGLASS REINFORCED TECHNOPOLYMER
6	DIFFUSER	FIBREGLASS REINFORCED TECHNOPOLYMER
7	SHAFT	AISI 304 STAINLESS STEEL IN CONTACT WITH THE LIQUID
16	MECHANICAL SEAL	SILICON CARBIDE/GRAPHITE
26	CAP	FIBREGLASS REINFORCED TECHNOPOLYMER
28	O-RING	EPDM
36	SEAL HOLDING DISC	FIBREGLASS REINFORCED TECHNOPOLYMER
65	BASE	FIBREGLASS REINFORCED TECHNOPOLYMER

* In contact with the liquid



– Denomination index: (example)

KCV 300 T

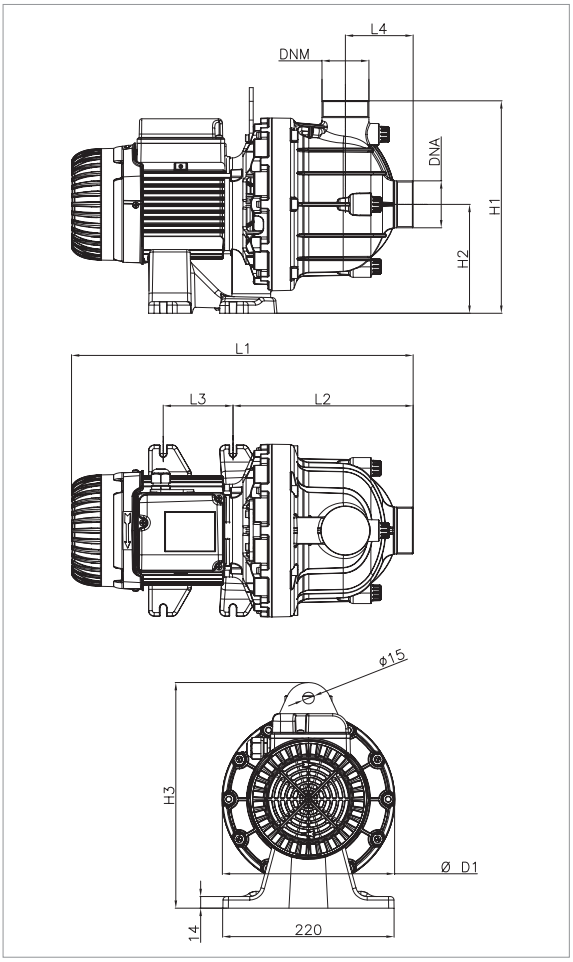
KC = 2" M-GAS threaded ports
KCV = 2" Victaulic threaded ports

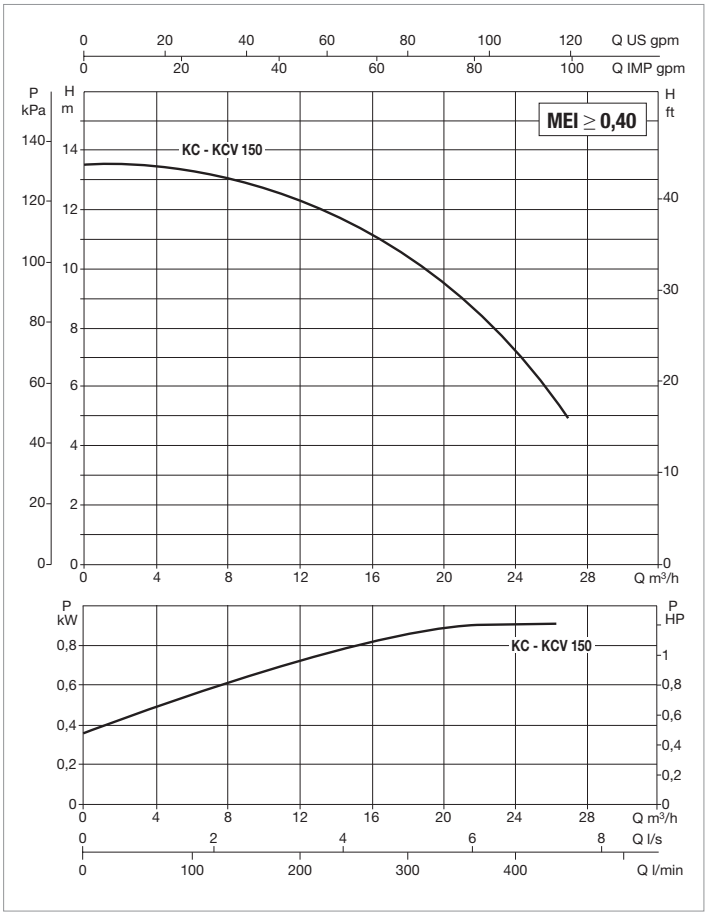
Nominal power in hp x 100

Three-phase motor

KC / KCV 150 - IN-LINE ELECTRIC PUMPS FOR AIR CONDITIONING AND REFRIGERATION SYSTEMS SINGLE, THREADED

Pumped liquid temperature range: from -10 °C to +55 °C - Maximum ambient temperature: +65 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

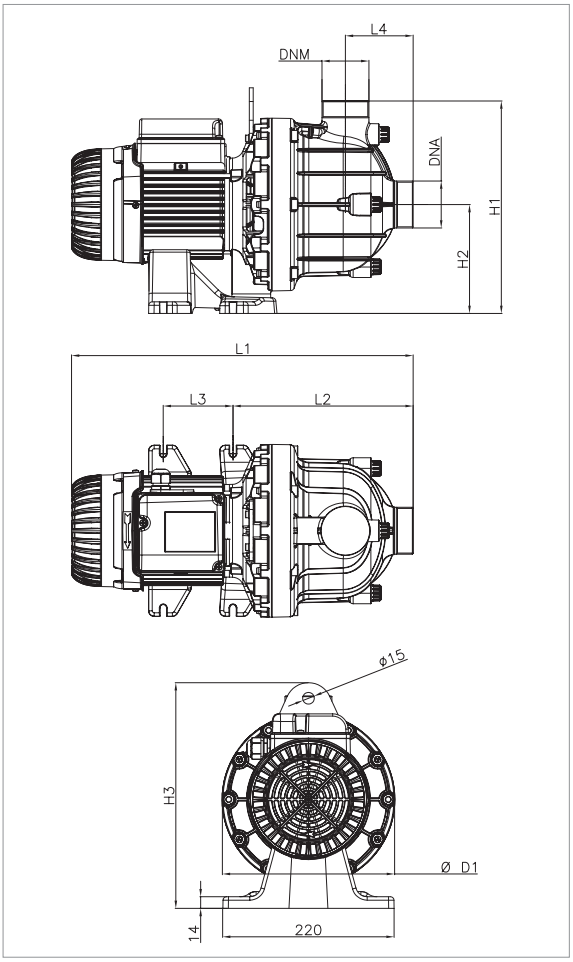
MODEL	Q=m³/h	0	10	15	20	25
	Q=l/min	0	167	250	333	417
KC / KCV 150 T	H (m)	13,6	12,8	11,5	9,5	6,5

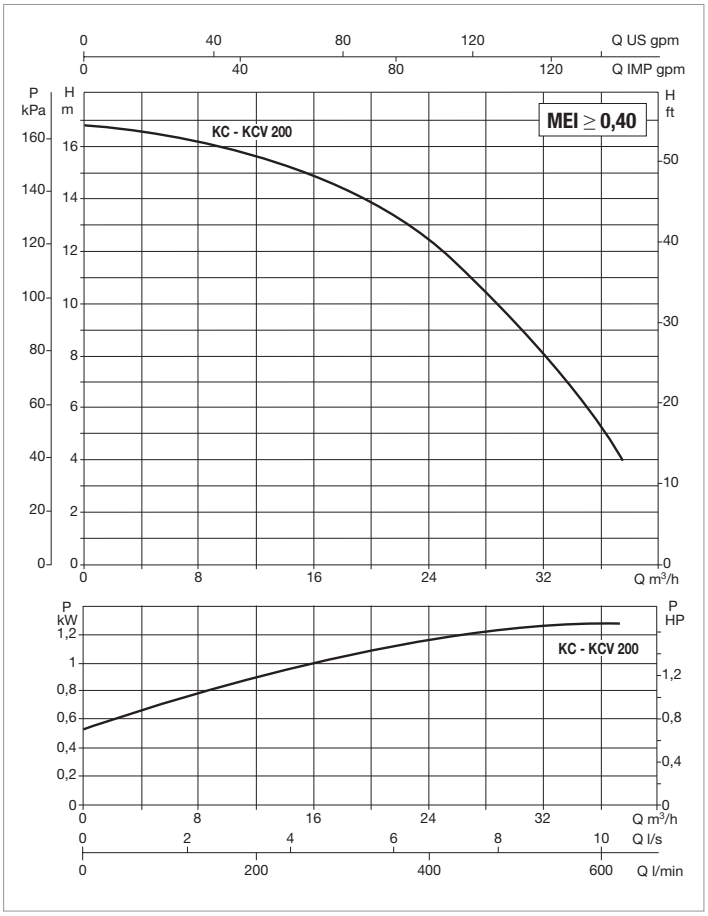
MODEL	ELECTRICAL DATA				
	POWER INPUT 50 Hz	P1 MAX W	P2 NOMINAL kW	In A	MOTOR STARTER RESISTANCE (Ohm)
KC 150 T	3 x 230 - 400 V ~	1,2	870	2,3	6,28
KCV 150 T	3 x 230 - 400 V ~	1,2	870	2,3	6,28

MODEL	L1	L2	L3	L4	H1	H2	H3	D1	DNA	DNM	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg
											L/A	L/B	H		
KC 150 T	439	231	90	87	273	140	290	222	2" M-GAS	2" M-GAS	510	300	320	0,013	14
KCV 150 T	439	231	90	87	273	140	290	222	2" Victaulic	2" Victaulic	510	300	320	0,013	14

KC / KCV 200 - IN-LINE ELECTRIC PUMPS FOR AIR CONDITIONING AND REFRIGERATION SYSTEMS SINGLE, THREADED

Pumped liquid temperature range: from -10 °C to +55 °C - Maximum ambient temperature: +65 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

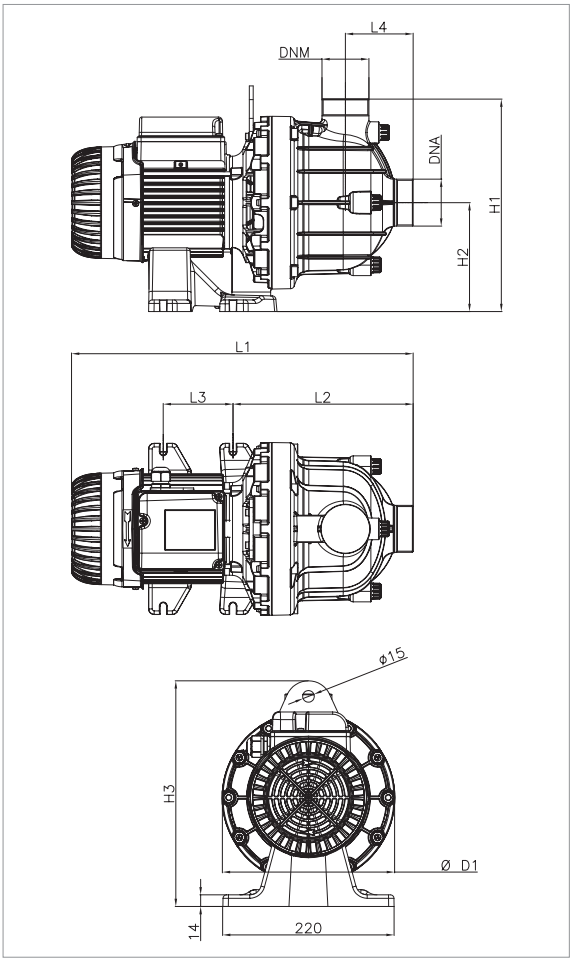
MODEL	Q=m³/h	0	10	15	20	25	30
	Q=l/min	0	167	250	333	417	500
KC / KCV 200 T	H (m)	16,8	15,7	15	14	11,8	9

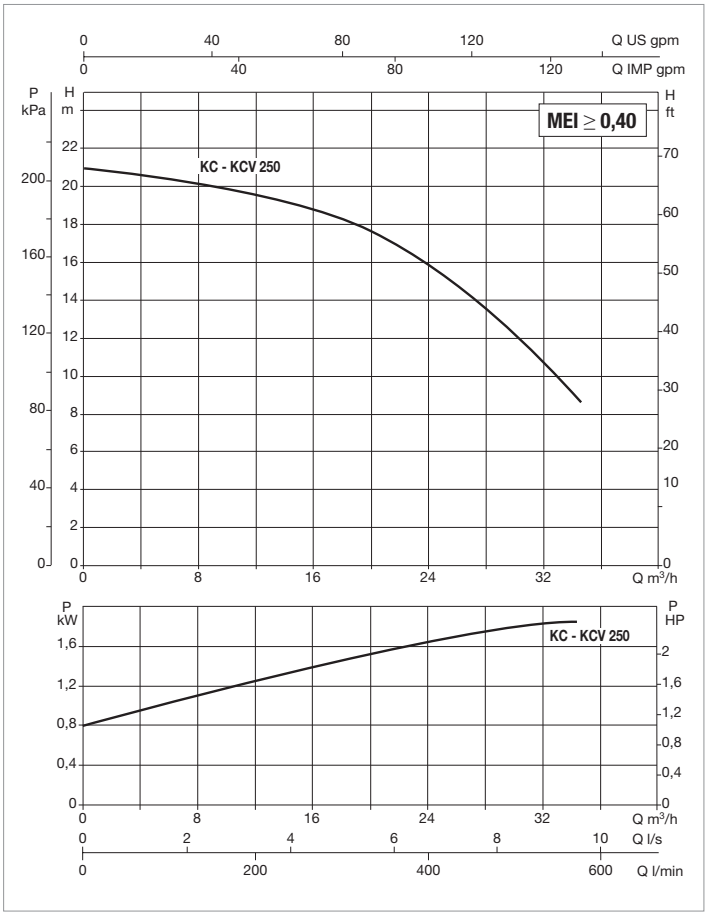
MODEL	ELECTRICAL DATA				
	POWER INPUT 50 Hz	P1 MAX W	P2 NOMINAL W	In A	MOTOR STARTER RESISTANCE (Ohm)
KC 200 T	3 x 230 - 400 V ~	1,5	1260	3,1	3,51
KCV 200 T	3 x 230 - 400 V ~	1,5	1260	3,1	3,51

MODEL	L1	L2	L3	L4	H1	H2	H3	D1	DNA	DNM	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg
											L/A	L/B	H		
KC 200 T	439	231	74	87	273	140	290	222	2" M-GAS	2" M-GAS	510	300	320	0.013	16
KCV 200 T	439	231	74	87	273	140	290	222	2" Victaulic	2" Victaulic	510	300	320	0.013	16

KC / KCV 250 - IN-LINE ELECTRIC PUMPS FOR AIR CONDITIONING AND REFRIGERATION SYSTEMS SINGLE, THREADED

Pumped liquid temperature range: from -10 °C to +55 °C - Maximum ambient temperature: +65 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

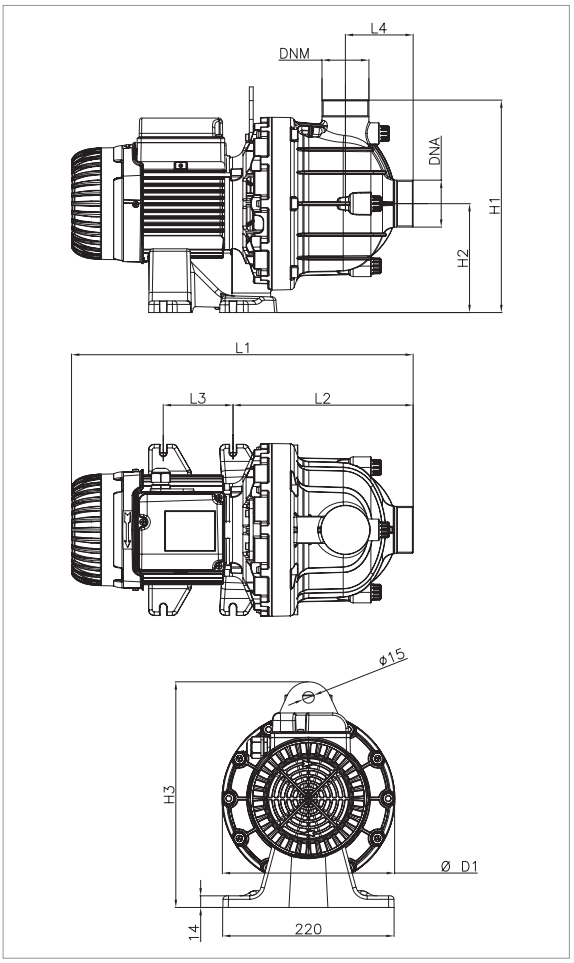
MODEL	Q=m³/h	0	10	15	20	25	30
	Q=l/min	0	167	250	333	417	500
KC / KCV 250 T	H (m)	21	20	19,1	17,7	15,5	12

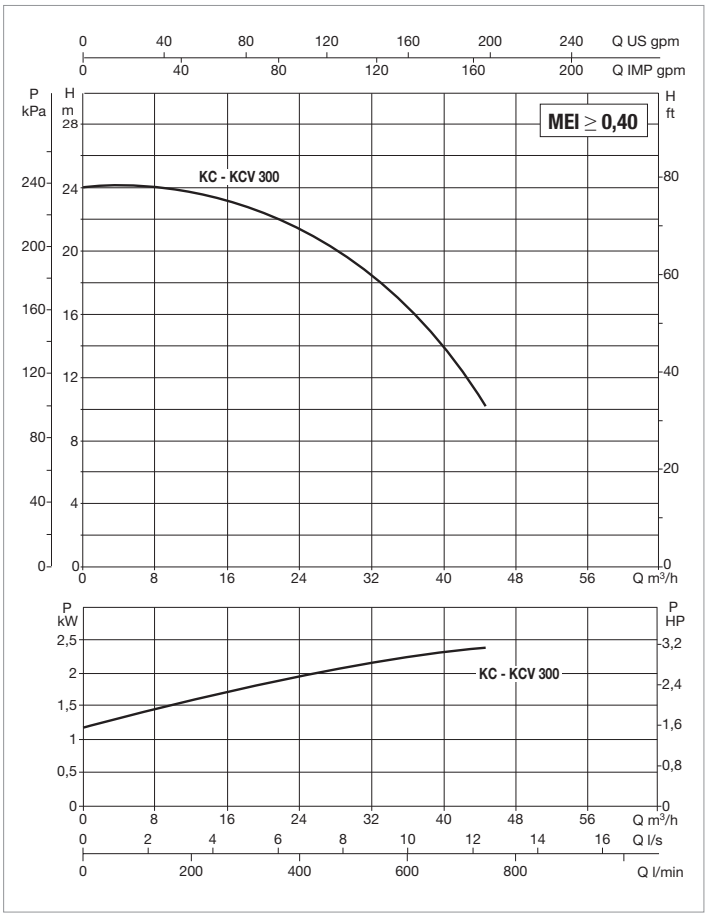
MODEL	ELECTRICAL DATA				
	POWER INPUT 50 Hz	P1 MAX W	P2 NOMINAL W	In A	MOTOR STARTER RESISTANCE (Ohm)
KC 250 T	3 x 230 - 400 V ~	2,3	1900	4,3	2,55
KCV 250 T	3 x 230 - 400 V ~	2,3	1900	4,3	2,55

MODEL	L1	L2	L3	L4	H1	H2	H3	D1	DNA	DNM	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg
											L/A	L/B	H		
KC 250 T	513	231	74	87	273	140	290	222	2" M-GAS	2" M-GAS	600	300	450	0,08	18
KCV 250 T	513	231	74	87	273	140	290	222	2" Victaulic	2" Victaulic	600	300	450	0,08	18

KC / KCV 300 - IN-LINE ELECTRIC PUMPS FOR AIR CONDITIONING AND REFRIGERATION SYSTEMS SINGLE, THREADED

Pumped liquid temperature range: from -10 °C to +55 °C - Maximum ambient temperature: +65 °C





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³/h	0	15	20	25	30	40
	Q=l/min	0	250	333	417	500	667
KC / KCV 300 T	H (m)	24,3	23,4	22,5	21,3	19,5	13,9

MODEL	ELECTRICAL DATA				
	POWER INPUT 50 Hz	P1 MAX W	P2 NOMINAL W	In A	MOTOR STARTER RESISTANCE (Ohm)
KC 300 T	3 x 230 - 400 V ~	3	2560	5,8	1,72
KCV 300 T	3 x 230 - 400 V ~	3	2560	5,8	1,72

MODEL	L1	L2	L3	L4	H1	H2	H3	D1	DNA	DNM	PACKING DIMENSIONS			VOLUME (m³)	WEIGHT kg
											L/A	L/B	H		
KC 300 T	563	282	177	114	355	170	320	300	2" M-GAS	2" M-GAS	700	400	520	0,15	23
KCV 300 T	563	282	177	114	355	170	320	300	2" Victaulic	2" Victaulic	700	400	520	0,15	23

HYDRAULIC EFFICIENCY

EU 547/2012 REGULATION - MEI

GENERAL INFORMATION

The MEI index (Minimum Efficiency Index) was issued with the objective of defining a performance threshold value applicable to all the water pumps found on the market. The MEI index takes into account the size of the pump, its specific speed, and its speed of rotation.
The regulation applies to centrifugal pumps used for pumping clean waters included in the following categories:

- Axial suction pumps with support (ESOB)
- Horizontal monobloc axial suction pumps (ESCC)
- In-line monobloc axial suction pumps (ESCCI)
- Multistage vertical pumps (MS-V)
- Multistage submerged pumps (MSS)

MEI is a dimensionless indicator for hydraulic performance, and a measure of the quality of the sizing of the pump in relation to the performance.
The higher the MEI value, the better is the sizing of the pump in relation to the performance, and the lower is the annual energy consumption due to the use of the pump. In theory, the upper limit of the MEI values is open, and only depends on physical and technological limitations.

The minimum efficiency index (MEI) is based on the maximum diameter of the impeller.

The value of reference for the more efficient water pumps is MEI ≥ 0,70.

The efficiency of a pump with turned impeller is generally lower to that of a pump with full impeller diameter. The turning of the impeller adapts the pump to a fixed point of operation, resulting in lower energy consumption.

The operation of this water pump with variable operating points can be more efficient and economical if controlled, for example, by means of a variable speed motor adapting the operation of the pump to the system.

The information on the efficiency of reference can be found at the address: **www.dabpumps.com**. In alternative contact your local sales representatives.

The MEI=0,7 and MEI=0,4 efficiency charts for the different types of pumps can be found at the website: **www.europump.org/efficiencycharts**

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 40	2p	**KLP 40/1200 T**	Full	≥ 0,40	56,6	59,6	58,5
		KLP 40/1200 M	Full		56,6	59,5	58,5
		KLP 40/900 T	Turned		52,9	54,9	53,7
		KLP 40/900 M	Turned		51,3	54,6	53,3
		KLP 40/600 T	Turned		51,9	54,0	53,0
		KLP 40/600 M	Turned		48,2	51,2	50,6
	4p	**KLM 40/300 T**	Full	not applicable	-	-	-
		KLM 40/300 M	Full		-	-	-

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 50	2p	**KLP 50/1200 T**	Full	≥ 0,40	66,2	68,9	68,2
		KLP 50/1200 M	Full		62,8	65,4	64,8
		KLP 50/900 T	Turned		62,2	64,9	64,2
		KLP 50/900 M	Turned		58,8	61,4	60,8
	4p	**KLM 50/600 T**	Full	≥ 0,40	60,6	64,0	63,5
		KLM 50/600 M	Full		57,6	61,6	61,1
		KLM 50/300 T	Turned		45,4	48,7	48,1
		KLM 50/300 M	Turned		42,4	45,7	45,1

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 65	2p	**KLP 65/1200 T**	Full	≥ 0,40	64,5	69,2	68,1
		KLP 65/900 T	Turned		61,4	65,4	64,6
	4p	**KLM 65/600 T**	Full	≥ 0,40	65,9	68,6	67,9
		KLM 65/300 T	Turned		56,2	59,7	58,7

HYDRAULIC EFFICIENCY

EU 547/2012 REGULATION - MEI

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 80	2p	KLP 80/1200 T	Full	≥ 0,40	66,6	70,6	69,2
		KLP 80/900 T	Turned		65,5	69,2	68,9
	4p	KLM 80/600 T	Full	≥ 0,40	70,4	73,1	72,6
		KLM 80/300 T	Turned		66,3	67,9	66,3

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 40	2p	CP 40/6200 T	Full	≥ 0,40	51,6	54,1	53,6
		CP 40/5500 T	Turned		49,8	52,6	52,3
		CP 40/4700 T	Turned		53,0	54,2	54,1
		CP 40/3800 T	Full	≥ 0,40	51,0	53,5	53,1
		CP 40/3500 T	Full	≥ 0,60	53,5	56,6	56,3
		CP 40/2700 T	Turned		54,3	56,7	56,2
		CP 40/2300 T	Turned		52,1	54,7	54,0
		CP 40/1900 T	Turned		51,5	54,8	54,4
		DCP 40/2450 T	Full	≥ 0,40	57,3	60,8	60,4
		DCP 40/2050 T	Turned		57,9	60,8	60,4
		DCP 40/1650 T	Turned		51,0	53,1	52,6
		DCP 40/1250 T	Turned		49,9	52,6	52,2
	4p	CM 40-1450 T	Full	≥ 0,40	52,2	54,3	54,0
		CM 40-1300 T	Turned		48,1	50,5	50,0
		CM 40-870 T	Full	≥ 0,60	52,7	55,5	55,1
		CM 40-670 T	Turned		53,4	55,9	55,4
		CM 40-540 T	Turned		53,8	56,0	55,7
		CM 40-440 T	Turned		51,5	54,0	53,6
		DCM 40-620 T	Full	≥ 0,40	61,8	64,5	64,1
		DCM 40-460 T	Turned		58,9	61,7	61,2
		DCM 40-380 T	Turned		57,8	60,3	59,9

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 50	2p	CP 50/5650 T	Full	≥ 0,40	56,7	59,5	58,7
		CP 50/5100 T	Turned		55,1	58,2	57,6
		CP 50/4600 T	Turned		56,0	59,1	58,7
		CP 50/4100 T	Full	≥ 0,60	54,1	57,1	56,7
		CP 50/3100 T	Turned		49,6	51,8	51,2
		CP 50/2600 T	Turned		47,2	51,7	51,1
		CP 50/2200 T	Turned		46,2	49,4	49,0
		DCP 50/2450 T	Full	≥ 0,40	63,8	67,4	66,6
		DCP 50/1900 T	Turned		65,0	68,0	67,6
		DCP 50/1550 T	Turned		61,8	65,0	64,5
		DCP 50/3650 T	Full	≥ 0,40	61,8	67,1	64,0
		DCP 50/3000 T	Turned		60,8	63,8	63,4
	4p	CM 50-1420 T	Full	≥ 0,40	57,3	60,1	59,7
		CM 50-1270 T	Turned		56,8	59,2	58,8
		CM 50-1000 T	Full	≥ 0,60	50,0	52,8	52,3
		CM 50-780 T	Turned		42,3	45,6	45,0
		CM 50-630 T	Turned		38,3	41,0	40,4
		CM 50-510 T	Turned		35,0	37,7	37,1
		DCM 50-880 T	Full	≥ 0,40	57,2	60,2	59,6
		DCM 50-630 T	Full	≥ 0,40	62,7	65,8	65,2
		DCM 50-460 T	Turned		59,9	62,3	61,8

HYDRAULIC EFFICIENCY

EU 547/2012 REGULATION - MEI

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 65	2p	CP-G 65- 9250 T	Full	≥ 0,60	64,5	67,4	66,6
		CP-G 65- 7350 T	Turned		64,1	67,0	66,5
		CP-G 65- 6750 T	Turned		63,8	66,8	66,2
		CP-G 65- 6150 T	Turned		63,2	66,5	65,8
		CP-G 65- 5500 T	Turned		62,9	66,2	65,4
		CP-G 65- 4700 T	Turned		56,9	59,6	59,1
		CP-G 65- 4100 T	Full	≥ 0,60	67,9	71,2	70,7
		CP-G 65- 3400 T	Turned		66,6	71,0	70,0
		CP-G 65- 2640 T	Turned		66,3	69,5	69,5
		CP-G 65- 2280 T	Turned		65,6	68,5	68,5
		CP-G 65- 1900 T	Turned		64,6	67,8	67,5
		CP-G 65- 1470 T	Turned		63,5	67,3	66,7
	4p	CM-G 65- 2380 T	Full	≥ 0,60	70,6	71,9	71,7
		CM-G 65- 1680 T	Turned		68,5	70,6	70,2
		CM-G 65- 1530 T	Turned		60,7	63,1	62,6
		CM-G 65- 1200 T	Turned		58,8	61,5	61,0
		CM-G 65- 1080 T	Turned		58,0	61,5	60,4
		CM-G 65- 920 T	Full	≥ 0,60	68,8	72,2	71,5
		CM-G 65- 760 T	Turned		64,3	68,5	68,0
		CM-G 65- 660 T	Turned		64,0	67,0	66,0
		CM-G 65- 540 T	Turned		61,5	65,3	64,6
		CM-G 65- 420 T	Turned		56,4	60,6	59,8

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 80	2p	CP-G 80- 10200 T	Full	≥ 0,40	67,4	71,1	70,4
		CP-G 80- 9600 T	Full	≥ 0,40	67,2	71,8	70,7
		CP-G 80- 8600 T	Turned		64,2	67,7	67,1
		CP-G 80- 6850 T	Full	≥ 0,40	71,3	74,4	73,6
		CP-G 80- 5650 T	Turned		70,5	73,4	72,9
		CP-G 80- 5150 T	Turned		69,3	72,5	71,3
		CP-G 80- 4000 T	Full	≥ 0,60	74,7	79,2	78,3
		CP-G 80- 3250 T	Turned		72,3	76,7	75,8
		CP-G 80- 2770 T	Turned		71,2	75,3	74,5
		CP-G 80- 2400 T	Full	≥ 0,60	75,4	78,8	78,5
		CP-G 80- 2050 T	Turned		73,6	78,2	76,9
		CP-G 80- 1700 T	Turned		72,8	78,1	76,9
		CP-G 80- 1400 T	Turned		57,0	61,2	60,4
	4p	CM-G 80- 3420 T	Full	≥ 0,60	68,5	71,6	71,0
		CM-G 80- 2700 T	Turned		65,9	70,6	69,8
		CM-G 80- 2410 T	Full	≥ 0,40	65,8	69,4	68,8
		CM-G 80- 1700 T	Full	≥ 0,60	82,0	83,5	83,3
		CM-G 80- 1530 T	Turned		75,8	78,6	77,9
		CM-G 80- 1050 T	Full	≥ 0,60	75,2	79,0	78,3
		CM-G 80- 890 T	Turned		73,0	76,8	76,1
		CM-G 80- 740 T	Turned		61,4	65,8	65,0
		CM-G 80- 650 T	Full	≥ 0,60	72,9	75,7	75,1
		CM-G 80- 550 T	Turned		69,4	73,5	72,7

HYDRAULIC EFFICIENCY

EU 547/2012 REGULATION - MEI

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 100	2p	CP-G 100- 8300 T	Full	≥ 0,40	72,6	76,6	75,5
		CP-G 100- 6300 T	Full	≥ 0,40	72,1	75,9	74,9
		CP-G 100- 5600 T	Turned		69,5	72,8	72,3
		CP-G 100- 4800 T	Turned		68,5	70,0	69,1
		CP-G 100- 3850 T	Full	≥ 0,60	75,7	82,5	81,3
		CP-G 100- 3550 T	Turned		75,0	80,6	79,5
		CP-G 100- 3050 T	Turned		71,7	76,9	76,1
		CP-G 100- 2400 T	Turned		66,1	71,8	70,9
		CP-G 100- 2350 T	Full	≥ 0,50	71,2	76,3	75,5
		CP-G 100- 1950 T	Turned		68,7	73,2	72,4
		CP-G 100- 1600 T	Turned		64,6	67,1	66,5
	4p	CM-G 100- 4100 T	Full	≥ 0,40	70,8	75,1	74,1
		CM-G 100- 3680 T	Turned		69,2	74,0	73,2
		CM-G 100- 3290 T	Turned		68,0	73,0	72,5
		CM-G 100- 2550 T	Full	≥ 0,40	72,5	76,1	75,2
		CM-G 100- 2050 T	Turned		70,7	75,0	74,1
		CM-G 100- 1650 T	Full	≥ 0,60	71,7	76,3	75,5
		CM-G 100- 1320 T	Turned		69,0	74,3	72,5
		CM-G 100- 1020 T	Full	≥ 0,60	81,2	85,0	84,3
		CM-G 100- 865 T	Turned		71,5	73,9	73,9
		CM-G 100- 660 T	Turned		68,2	74,6	73,5
		CM-G 100- 650 T	Full	≥ 0,60	72,8	78,8	77,8
		CM-G 100- 510 T	Turned		65,1	70,9	69,9

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 125	2p	CP-G 125- 5800 T	Full	≥ 0,50	76,5	81,6	80,2
		CP-G 125- 5300 T	Turned		75,2	78,7	77,9
		CP-G 125- 4750 T	Turned		72,1	76,2	75,3
	4p	CM-G 125- 4022 T	Full	≥ 0,40	70,7	74,2	73,7
		CM-G 125- 3600 T	Turned		71,5	73,3	72,4
		CM-G 125- 3200 T	Turned		70,8	73,5	73,1
		CM-G 125- 2550 T	Full	≥ 0,40	69,9	73,2	72,2
		CM-G 125- 2100 T	Turned		66,8	69,4	69,1
		CM-G 125- 1560 T	Full	≥ 0,60	78,5	85,0	84,0
		CM-G 125- 1270 T	Turned		73,3	78,0	77,1
		CM-G 125- 1075 T	Turned		72,3	77,0	76,2

		PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
DN 150	4p	CM-G 150- 2405 T	Full	≥ 0,60	79,7	85,9	84,8
		CM-G 150- 2200 T	Turned		76,3	81,7	80,7
		CM-G 150- 1950 T	Turned		75,9	80,6	79,7
		CM-G 150- 1600 T	Turned		72,2	77,1	76,3
		CM-G 150- 1322 T	Turned		70,8	74,6	73,3
		CM-G 150- 955 T	Turned		63,7	66,9	66,4

PUMP MODEL	IMPELLER	MEI	η PL	η BEP	η OL
KC/KCV 300	Full	≥ 0,40	65,5	71,8	70,4
KC/KCV 250	Full	≥ 0,40	63,4	66,9	66,5
KC/KCV 200	Turned		59,3	63,9	62,9
KC/KCV 150	Turned		58,9	62,5	61,4

NOTES

ACCESSORIES

UNION KITS	DESCRIPTIONS	MODEL	WEIGHT kg	Q.TY X BOX
	**UNION KITS 1" 1/4 F**	ALM 500 - ALP 2000	0,7	24

UNION CONNECTOR KITS - BRASS	DESCRIPTIONS	MODEL	WEIGHT kg	Q.TY X BOX
	**UNION CONNECTOR KITS ½" F BRASS**	ALM 200 - 800	0,4	24
	UNION CONNECTOR KITS ¾ " F BRASS	ALM 200 - 800	0,4	24
	UNION CONNECTOR KITS 1" F BRASS	ALM 200 - 800	0,4	24

UNION CONNECTOR KITS - COPPER	DESCRIPTIONS	MODEL	WEIGHT kg	Q.TY X BOX
	**COPPER UNION CONNECTOR KITS - WELDED - diam. 22**	ALM 200 - 800	0,4	24
	COPPER UNION CONNECTOR KITS - WELDED - diam. 28	ALM 200 - 800	0,4	24

COMPENSATION KIT

Compensation spacer to be used to compensate for any space requirement differences when replacing old models with new models.

DESCRIPTION	CM Previous model		CM New Model		LENGTH
	DN	CENTRE DISTANCE	DN	CENTRE DISTANCE	
KIT NO. 1	65	475	65	360	115
KIT NO. 2	80	525	80	360	165
KIT NO. 3				440	85
KIT NO. 4				500	25
KIT NO. 5	100	550	100	500	50
KIT NO. 6		630		550	80

COUNTER-FLANGE KIT *	DESCRIPTIONS	MODEL	WEIGHT kg	Q.TY X PALLET
 DN50 PN 10 COUNTER FLANGE KIT	**DN40 PN 10 COUNTER FLANGE KIT**	KLM 40/300 - DKLM 40/300 KLP 40/600 - DKLP 40/600 KLP 40/900 - DKLP 40/900 KLP 40/1200 - DKLP 40/1200	2,4	180
	DN50 PN 10 COUNTER FLANGE KIT	KLM 50/300 - DKLM 50/300 KLM 50/600 - DKLM 50/600 KLP 50/900 - DKLP 50/900 KLP 50/1200 - DKLP 50/1200	3,2	180
	DN65 PN 10 COUNTER FLANGE KIT	KLM 65/300 - DKLM 65/300 KLM 65/600 - DKLM 65/600 KLP 65/900 - DKLP 65/900 KLP 65/1200 - DKLP 65/1200	4,0	180
	DN80 PN 10 COUNTER FLANGE KIT	KLM 80/300 - DKLM 80/300 KLM 80/600 - DKLM 80/600 KLP 80/900 - DKLP 80/900 KLP 80/1200 - DKLP 80/1200	4,8	180
	DN40 - PN16 COUNTER FLANGE KIT	CM - CP 40	5,3	90
	DN50 - PN16 COUNTER FLANGE KIT	CM - CP 50	6,3	90
 DN80 PN 16 COUNTER FLANGE KIT	**DN65 - PN16 COUNTER FLANGE KIT**	CM 65 - CP 65	7,5	90
	DN80 PN 16 COUNTER FLANGE KIT	CM 80 - CP 80	9,5	64
	DN100 PN 16 COUNTER FLANGE KIT	CM 100 - CP 100	10,9	64
	DN125 - PN16 COUNTER FLANGE KIT	CM 125 - CP 125	14,5	40
	DN150 - PN16 COUNTER FLANGE KIT	CM 150 - CP 150	18,6	40

* The counter flange kit includes: two counter flanges, nuts and bolts

E-BOX - CONTROL PANELS X 1/2 PUMPS

ELECTRIC PROTECTION AND CONTROL PANELS

TECHNICAL DATA

Ideal for controlling circulation stations with in-line pumps up to 12Amp.
Suitable for single-phase or three-phase pumps.
ON-OFF contact operation.
Built-in overload protection, adjustable from 1 to 12 amperes.
Switching of the pump starting order at each start, or every 24 hours.
Possibility of simultaneous operation of the two pumps, or of alternate operation.

MODEL	POWER INPUT 50 HZ	STARTING	P2 NOMINAL		MAXIMUM CURRENT A	TO BE USED WITH MODELS
			kW x2	HP x2		
E-BOX 2D M/T 12 A (for 2 pumps, single or three phase)	1 X 230 V	DIRECT	2,2	3	12+12	ALL THE DKLM - DKLP three-phase
	3 X 230 V		3	4		ALL THE DKLM - DKLP three-phase
	3 X 400 V		5,5	7,5		ALL THE DCM 40 - 50 - 65 - 80 - 100 three-phase 400 V

ELECTRIC PROTECTION AND CONTROL PANELS

E.BOX

TECHNICAL DATA

Nominal power input voltage:
e.box plus 1x 230 V / 3 x 230 V - 3 x 400 V (automatic selection)
e.box basic 1x 230 V
Frequency: 50 - 60 Hz
Maximum power of use:
e.box plus 5,5 kWatt + 5,5 kW
e.box basic 2,2 kWatt + 2,2 kW
Maximum current of use: 12 A + 12 A
Starting capacitor: Supplied as accessory KIT
Ambient temperature operation limits: -10 °C + 40 °C
Air relative humidity: 90 % at 20 °C
Max. altitude: 1000 a.s.l.
Protection class: IP 55
Standard of reference for the construction of the control panels EN 60335-1.

APPLICATIONS

E.box is an electronic control panel that provides all the functions and protections required for the installation of a pumping set for draining, filling, and pressurisation purposes.
E.BOX PLUS is an electric control panel for automatic protection and operation of one or more submersible electric pumps or pressure booster pumps, both single and three phase, for domestic, civil, and industrial applications. Thanks to the current regulation possibility, the e.box control panel is compatible with all pump models with current between 1 and 12 A, with power up to 5,5 kW.
E.BOX BASIC is an electric control panel for automatic protection and operation of one or more single phase submersible electric pumps or pressure booster pumps for domestic applications. The e.box control panel is compatible with all single phase pump models with current between 1 and 12 A, with power up to 2,2 kW, as indicated in the product compatibility table.

CONTROL PANEL CONSTRUCTION

Supplied in an IP 55 protection class self-extinguishing thermoplastic material box, the control panel protects the electric pumps from abnormal conditions such as: overload and overtemperature (with automatic reset), short circuit (with fuses - Plus model only), pump current surges (amperometric protection), abnormal voltage, dry run, quick starts, pressure sensor fault, or inconsistency of the external protection commands.

FRONT PANEL COMPONENTS

- General disconnector with padlockable door lock.
- AUT-0-MAN operation selection pushbuttons.
- Alarm RESET pushbutton.
- Operation, stop, alarm notification lamps.

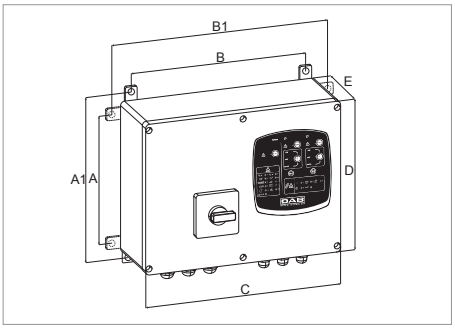
PANEL INTERNAL COMPONENTS

- Electronic control card with protection fuses and contactors.
- Power input connection terminals, single phase (L-N in the Basic version), or three phase (L1-L2-L3 in the Plus version).
- Electric pump connection terminals, single phase (L-N in the BASIC version), or three phase (L1-L2-L3 in the PLUS version).
- Terminals for the connection of pressure switches, sensors, KK thermal protection, alarm notification N.O. contacts. Operation selection dip switch: level floats or sensor, tank filling and emptying, operation with one or two pumps.

SOFTWARE

For the models with display, the software

- During the first installation, provides step by step guidance in the selection of the correct settings based on the actual application.
- Makes the status of the control panel and the pumps clearly and immediately visible.
- When compared to the previous model, makes it easier to change the level settings, as operation of the control panel dip switch is no longer required.



MODEL	A	A1	B	B1	C	D	E	PACKING DIMENSIONS			WEIGHT kg
								L/A	L/B	H	
E.BOX BASIC 230/50-60	212	265	282	337	320	260	120	250	430	310	4
E.BOX PLUS 230-400V/50-60	212	265	282	337	320	260	120	250	430	310	5

MODEL	ELECTRICAL DATA					
	POWER INPUT 50 HZ	STARTING	P2 NOMINAL		MAX CURRENT A	TO BE USED FOR:
			kW x2	HP x2		
E.BOX BASIC 230/50-60	1X230 V~	direct	2,2	3	12+12	DKLM-DKLP single-phase
E.BOX PLUS 230-400V/50-60	1X230 V~	direct	2,2	3	12+12	DKLM-DKLP single-phase
	3X230 V~		3	4		DKLM-DKLP three-phase
	3X400 V~		5,5	7,5		DCM three-phase 400V

ED - CONTROL PANLES X 1 PUMP

ELECTRIC PROTECTION AND CONTROL PANELS

ED1,3M

ED1,5T

TECHNICAL DATA

Supplied on self-extinguishing thermoplastic material box with wall fastening bracket. The control panel is self-protected and protects the electric pump from overloads and short circuits, with the possibility of manual reset.

Complete with:

- Power line disconnection device with padlockable door lock handle (except in the single-phase version)
- Self-protected transformer to provide supply for external controls
- Terminals for the connection of the electric pump and the minimum/ maximum level float switches.
- Terminals without potential for the alarm command and the remote installation of a sound/visual alarm.
- Front panel pushbutton for manual operation (single-phase version)
- Front panel selector for Manual operation
- 0 - Automatic
- Overload protection notification
- Pump in operation notification
- Voltage present warning

Ambient temperature operation limits: -10°C +40°C
Protection class: IP55

MODEL	POWER INPUT 50 HZ	STARTING	P2 NOMINAL		MAXIMUM CURRENT A	TO BE USED WITH MODELS	
			kW	HP			
ED1,3M	1 X 230 V	DIRECT	1	1,36	9	ALM 200 M	ALP 800 M
						ALM 500 M	ALP 2000 M
						KLM 40/300 M	KLP 40/600 M
ED1T	3 x 400 V	DIRECT	0,74	1	2,5	ALM 200 T	ALP 800 T
						ALM 500 T	ALM 2000 T
						KLM 40/300 T	KLP 50/900 T
						KLP 40/600 T	KLP 50/1200 T
						KLP 40/900 T	KLM 65/300 T
						KLP 40/1200 T	KLM 60/600 T
						KLM 50/300 T	KLM 80/300 T
						KLM 50/600 T	KLM 80/600 T
						CM 40/440 T	CM-G 65/420 T
						CM 40/540 T	CM-G 65/540 T
						CM 40/670 T	CM-G 65/660 T
						CM 40/870 T	CM-G 65/760 T
						CM 50/510 T	CM-G 65/920 T
						CM 50/630 T	CM-G 80/550 T
						CM 50/780 T	CM-G 80/650 T
						CM 50/1000 T	CM-G 100/510 T
						CM 40/1300 T	CM-G 40/1450 T
						CM 50/1420 T	CM-G 50/1270 T
ED1,5T	3 x 400 V	DIRECT	1,1	1,5	4	KLP 65/900 T	KLP 65/1200 T
						CM-G 65/1080 T	CM 40/3500 T
						CM-G 80/740 T	CM 50/2200T
						CM-G 100/650 T	CM 50/3100 T
						CM-G 65/760 T	CM-G 65/1470 T
						CM 40/2300 T	-
ED2,5T	3 x 400 V	DIRECT	1,8	2,5	6,3	KLP 80/900 T	KLP 80/1200 T
						CM-G 65/1200 T	CM-G 80/1050 T
						CM-G 65/1530 T	CM-G 100/660 T
						CM-G 80/890 T	CM-G 100/865 T
						CP 40/2700 T	CP 50/4100 T
						CP 40/3800 T	CP-G 65/1900 T
						CP 40/4700 T	CP-G 80/1400 T
						CP 50/2600 T	-

For control panels with higher powers contact our sales network.


MIX
Paper from
responsible sources
FSC® C041300
FSC
www.fsc.org

DAB
WATER•TECHNOLOGY
Via Marco Polo, 14 - 35035 Mestrino (PD) Italy - Tel. +39.049.5125000 - Fax +39.049.5125950
www.dabpumps.com

DNA®
PUMPS SELECTOR

On-line product selection

DAB PUMPS LTD.
Unit 4 and 5, Stortford Hall Industrial Park,
Dunmow Road,
Bishops Stortford,
Herts
CM23 5GZ - UK
salesuk@dwtgroup.com
Tel. +44 1279 652 776
Fax +44 1279 657 727

DAB PUMPS B.V.
Brusselstraat 150
B-1702 Groot-Bijgaarden - Belgium
info.belgium@dwtgroup.com
Tel. +32 2 4668353
Fax +32 2 4669218

DAB PUMPS B.V.
Albert Einsteinweg, 4
5151 DL Drunen - Nederland
info.netherlands@dwtgroup.com
Tel. +31 416 387280
Fax +31 416 387299

DAB PUMPEN DEUTSCHLAND GmbH
Tackweg 11
D - 47918 Tönisvorst - Germany
info.germany@dwtgroup.com
Tel. +49 2151 82136-0
Fax +49 2151 82136-36

DAB PUMPS IBERICA S.L.
Calle Verano 18-20-22
28850 - Torrejón de Ardoz - Madrid
Spain
Info.spain@dwtgroup.com
Tel. +34 91 6569545
Fax: + 34 91 6569676

DAB PUMPS HUNGARY KFT.
H-8800
Nagykanizsa, Buda Ernő u.5
Hungary
Tel. +36 93501700

DAB PUMPS POLAND Sp. z o.o.
Mokotów Marynarska
ul. Postępu 15C
02-676 Warszawa - Poland
polska@dabpumps.com.pl
Tel. +48 223 816 085

OOO DAB PUMPS
Novgorodskaya str. 1, block G
office 308, 127247, Moscow - Russia
info.russia@dwtgroup.com
Tel. +7 495 122 0035
Fax +7 495 122 0036

DAB PUMPS INC.
3226 Benchmark Drive
Ladson, SC 29456 - USA
info.usa@dwtgroup.com
Tel. 1- 843-797-5002
Fax 1-843-797-3366

DAB PUMPS SOUTH AFRICA PTY
Twenty One industrial Estate,
16 Purlin Street, Warehouse 4, Unit B
Olifantsfontein - South - Africa
info.sa@dwtgroup.com
Tel. +27 12 361 3997
Fax +27 12 361 3137

DAB PUMPS (QINGDAO) CO. LTD.
No.40 Kaituo Road, Qingdao Economic & Technological
Development Zone
Qingdao City, Shandong Province - China
PC: 266500
sales.cn@dwtgroup.com
Tel. +86 400 186 8280
Fax +86 53286812210

DAB PUMPS DE MÉXICO, S.A. DE C.V.
Av Amsterdam 101 Local 4
Col. Hipódromo Condesa,
Del. Cuauhtémoc CP 06170
Ciudad de México
Tel. +52 55 6719 0493

DAB PUMPS OCEANIA PTY LTD
426 South Gippsland Hwy,
Dandenong South VIC 3175 – Australia
info.oceania@dwtgroup.com
Tel. +61 1300 373 677

60171420 - 01/2018