

**KLME - KLPE
DKLME - DKLPE
CME**

**CONSTANT DIFFERENTIAL
PRESSURE CENTRIFUGAL
CIRCULATION PUMPS
COMPLETE WITH DIFFERENTIAL
PRESSURE SENSOR**



KLME - KLPE

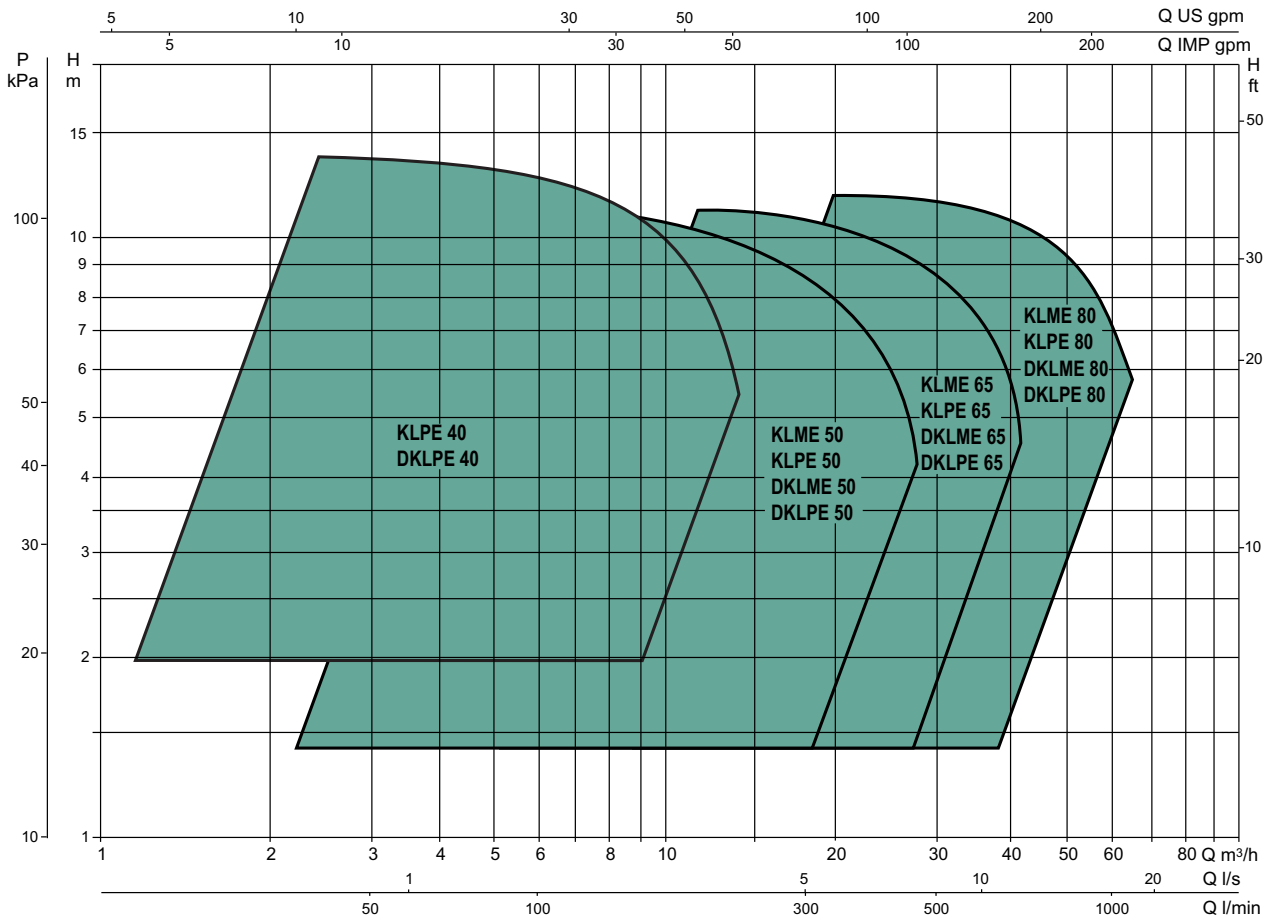


DKLME - DKLPE

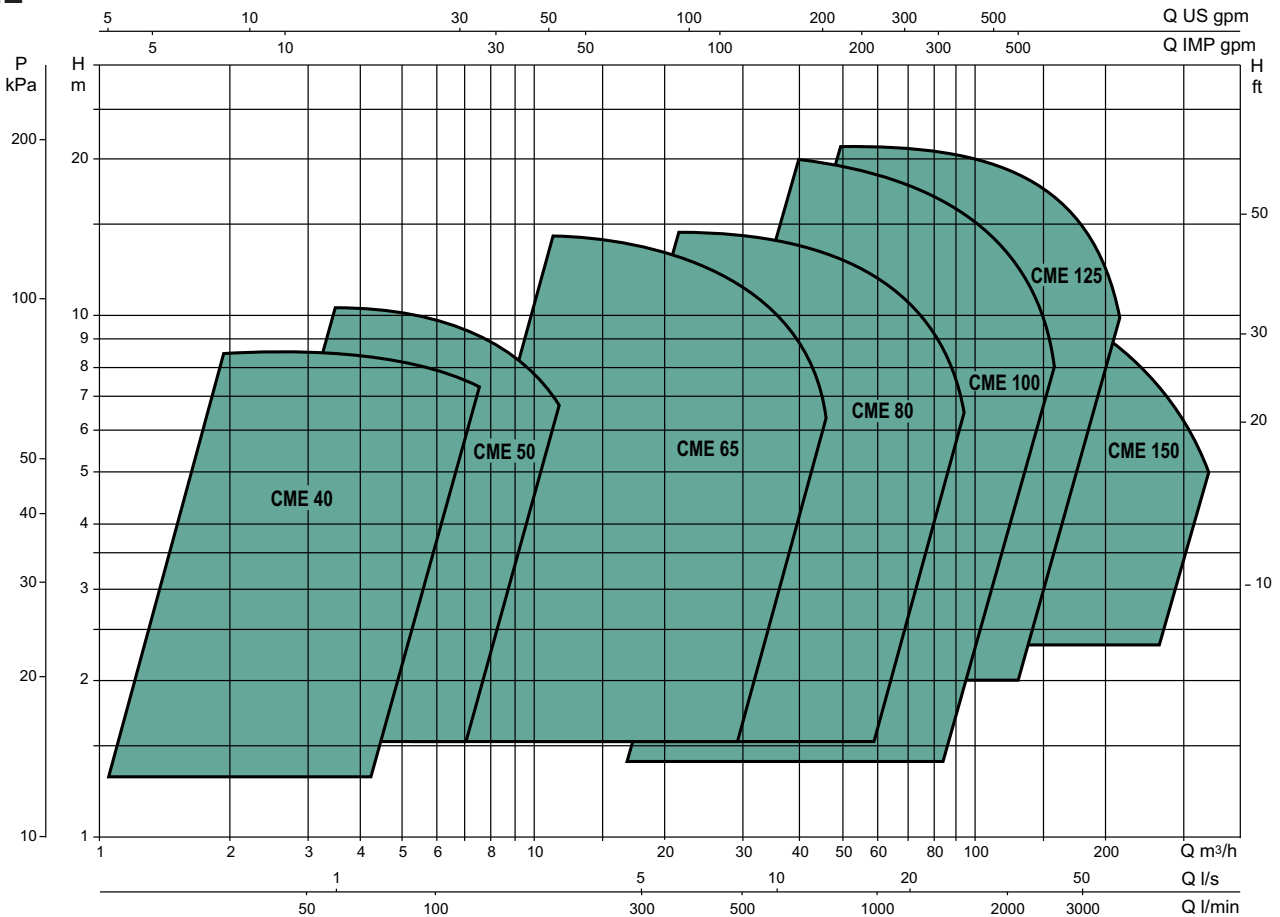


CME

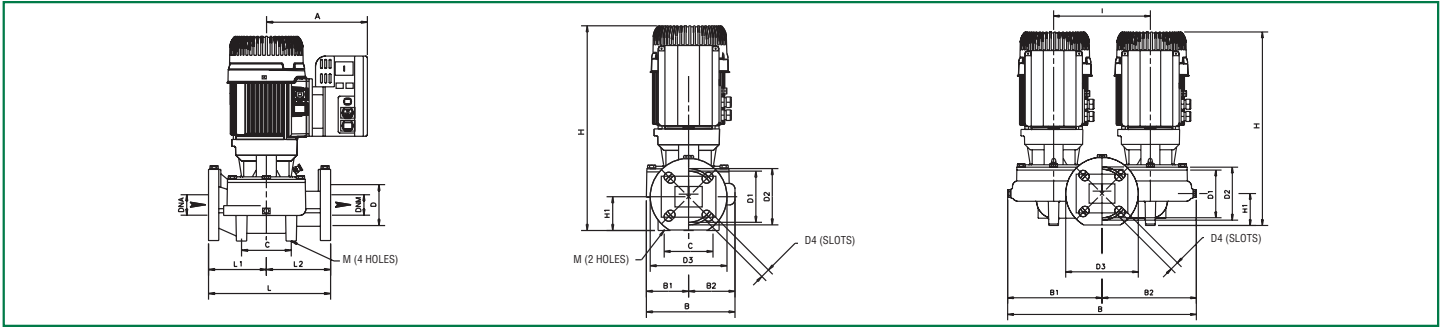
KLME - KLPE / DKLME - DKLPE



CME

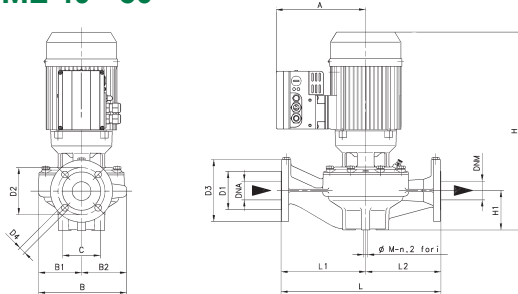


DIMENSIONS AND WEIGHTS

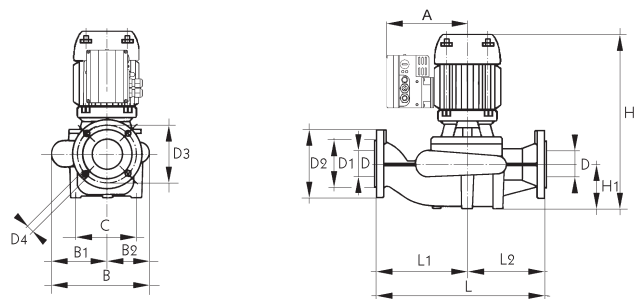


MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	I	L	L1	L2	M	PACKAGING DIMENSIONS			VOLUME m ³	WEIGHT Kg
																				L/A	L/B	H		
KLPE 40/600 M	227	179	82	97	100	40	40	80	100	110	150	4 slots 18x23	395	66	-	250	125	125	2 holes 10	530	280	470	0,07	27,8
KLPE 40/1200 M	227	179	82	97	100	40	40	80	100	110	150	4 slots 18x23	395	66	-	250	125	125	2 holes 10	530	280	470	0,07	27,8
KLME 50/600 M	230	204	94	110	100	50	50	90	110	125	165	4 slots 18x25,5	414	73	-	280	140	140	2 holes 10	530	280	470	0,07	32,8
KLPE 50/1200 M	230	204	94	110	100	50	50	90	110	125	165	4 slots 18x25,5	414	73	-	280	140	140	2 holes 10	530	280	470	0,07	34,8
KLME 65/600 M	230	228	99	129	100	65	65	110	130	145	185	4 slots 18x25,5	433	82	-	340	170	170	2 holes 12	530	290	540	0,095	37,8
KLPE 65/1200 T	240	228	99	129	100	65	65	110	130	145	185	4 slots 18x25,5	433	82	-	340	170	170	2 holes 12	530	290	540	0,095	43,4
KLME 80/600 M	240	229	99	130	115	80	80	128	150	160	200	4 slots 18x23	453	97	-	360	190	170	2 holes 12	530	290	610	0,095	47,3
KLPE 80/1200 T	240	229	99	130	115	80	80	128	150	160	200	4 slots 18x23	453	97	-	360	190	170	2 holes 12	530	290	610	0,095	48,3
DKLPE 40/600 M	227	372	185	187	100	40	40	80	100	110	150	4 slots 18x23	400	66	200	250	125	125	2 holes 10	540	420	610	0,138	47
DKLPE 40/1200 M	227	372	185	187	100	40	40	80	100	110	150	4 slots 18x23	400	66	200	250	125	125	2 holes 10	540	420	610	0,138	52
DKLME 50/600 M	230	434	217	217	120	50	50	90	110	125	165	4 slots 18x25,5	414	66	200	250	125	125	4 holes 14	540	420	610	0,138	67
DKLPE 50/1200 M	230	434	217	217	120	50	50	90	110	125	165	4 slots 18x25,5	414	66	200	250	125	125	4 holes 14	540	420	610	0,138	79
DKLME 65/600 M	230	455	226	229	140	65	65	110	130	145	185	4 slots 18x25,5	430	82	240	340	170	170	4 holes 14	730	630	720	0,33	71,7
DKLPE 65/1200 T	240	455	226	229	140	65	65	110	130	145	185	4 slots 18x25,5	430	82	240	340	170	170	4 holes 14	730	630	720	0,33	89,6
DKLME 80/600 M	240	463	230	233	150	80	80	128	150	160	200	4 slots 18x23	445	97	240	380	190	170	4 holes 14	730	630	720	0,33	87,5
DKLPE 80/1200 T	240	463	230	233	150	80	80	128	150	160	200	4 slots 18x23	445	97	240	380	190	170	4 holes 14	730	630	720	0,33	89,5

CME 40 - 50



CME 65 - 80 - 100 - 125 - 150



MODEL	A	B	B1	B2	C	DNA	DNM	D	D1	D2	D3	D4	H	H1	L	L1	L2	M	PACKAGING DIMENSIONS			VOLUME m ³	WEIGHT Kg
																			L/A	L/B	H		
CME 40/540 M	230	231	118	113	85	40	40	-	88	110	150	18	453	95	390	200	190	12	680	330	580	0,13	46
CME 40/870 M	230	231	118	113	85	40	40	-	88	110	150	18	453	95	390	200	190	12	680	330	580	0,13	46
CME 50/630 M	230	233	120	113	100	50	50	-	102	125	165	18	463	105	425	225	200	12	680	330	580	0,13	51,6
CME 100/1000 M	230	233	120	113	100	50	50	-	102	125	165	18	463	105	425	225	200	12	680	330	580	0,13	51,6
CME 65/650 M	-	230	125	105	125	-	-	65	122	185	145	4 holes Ø 18	419	110	475	237,5	237,5	16	680	330	560	0,12	50
CME 65/960 M	-	283	150	133	125	-	-	65	122	185	145		438	110	475	237,5	237,5	16	670	390	710	0,18	70
CME 65/1400 T	-	283	150	133	125	-	-	65	122	185	145		515	110	475	237,5	237,5	16	670	390	710	0,18	79
CME 80/650 M	-	273	152	121	148	-	-	80	138	200	160		454	125	525	262,5	262,5	16	670	390	710	0,18	65
CME 80/980 T	-	320	173	147	148	-	-	80	138	200	160	8 holes Ø 18	545	125	525	262,5	262,5	16	670	390	710	0,18	89
CME 80/1330 T	-	320	173	147	148	-	-	80	138	200	160		545	125	525	262,5	262,5	16	670	390	710	0,18	99
CME 100/550 M	-	320	175	145	202	-	-	100	158	220	180		479	140	550	300	250	16	670	390	710	0,18	80
CME 100/950 T	-	320	175	145	202	-	-	100	158	220	180		553	140	550	300	250	16	670	390	710	0,18	98
CME 100/1500 T	-	340	182	158	177	-	-	100	158	220	180	8 holes Ø 18	574	164	550	300	250	16	670	390	710	0,18	102
CME 100/1800 T	-	376	199	177	195	-	-	100	158	220	180		665	175	630	350	280	16	780	440	860	0,29	147
CME 100/2000 T	-	376	199	177	195	-	-	100	158	220	180		703	175	630	350	280	16	780	440	860	0,29	157
CME 125/880 T	-	386	154	125	148	-	-	125	188	250	210		459	140	630	350	280	16	780	440	860	0,29	132
CME 125/1500 T	-	386	175	145	202	-	-	125	188	250	210	8 holes Ø 22	479	140	630	350	280	16	780	440	860	0,29	180
CME 150/1000 T	-	417	231	186	270	-	-	150	212	285	240		698	200	690	375	315	16	860	500	940	0,40	197
CME 150/1250 T	-	417	231	186	270	-	-	150	212	285	240	736	200	690	375	315	16	780	440	860	0,29	214	

GENERAL DATA

Applications

Circulation pump for hot or cold water with in-line connectors, suitable for direct installation to pipes in civil and industrial heating, conditioning, cooling and domestic water systems. Particularly versatile thanks to the use of the HYDRODRIVER, it offers performance features that automatically adapt to the various system requirements whilst keeping differential pressures constant.

Construction features of pump (KLME - KLPE / DKLME - DKLPE)

Pump body and motor support in cast iron.

Flanged suction and delivery connections in PN 10 with threaded holes for control pressure gauges. To make it easy to apply to existing systems, the pump is compatible with counterflanges in PN 6.

Technopolymer impeller.

Mechanical seal in carbon/ceramic.

The pumps are available in the single version (KLME-KLPE) and in the twin version (DKLME-DKLPE).

In the twin version, a clapet valve is incorporated in the suction connection to prevent water from recirculating while the unit is not operating. A blind flange is also supplied standard if one of the two motors needs servicing.

The twin version allows pump operation to be alternated if a back-up unit or simultaneous operation of the two pumps is required.

Construction features of pump (CME)

Pump body and motor support in cast iron.

Cast iron impeller for all models from CME 65 to CME 150; in technopolymer for models from CME 40 to CME 50.

Flanged suction and delivery connections in PN 16 with threaded holes for control pressure gauges.

Mechanical seal in carbon/ceramic.

Construction features of motor

Closed, asynchronous motor with external ventilation, four poles for KLME and DKLME - CME and two poles for KLPE and DKLPE. Rotor mounted on oversized maintenance-free greased ball bearings to ensure silent running and long life.

Incorporated overload cut-out.

Built to IEC 2-3 standards

Protected to: IP 55

Insulation class: F

Standard voltage: single-phase 208-240 V / 50-60 Hz
 three-phase 380-480 V / 50-60 Hz

Construction features of electronic part (HYDRODRIVER)

Adjustment unit directly mounted on the electric pump that, by using the signal of the standard differential transducer, already connected and ready to use, modulates the speed of rotation in order to keep the differential pressure of the system on which it is constant used.

The HYDRODRIVER uses an integrated microprocessor that can work with the recent IGBT technology which offers higher levels of reliability and flexibility.

The high frequency impulse with modulation procedure makes the motor work very silently, ensuring elevated starting torque with a current increase programmed and calibrated by the maker.

The device also guarantees gradual acceleration and deceleration ramps (soft-start) thereby preventing hammering effects. It protects the motor it is mounted on with numerous protection systems against overloads, missing phases, overvoltage and undervoltage with a 5-try automatic reset feature.

Supplied standard with adjustment knob for easy calibration of the required set-point and class B integrated radio frequency disturbance filter (EN 55022 level B1).

Remote control feature through RS 485 serial interface and USS protocol.

TECHNICAL DATA

- Protected to: IP 55
- Insulation class: F
- Operating range: from 1,5 to 270 m³/h with head up to 21 metres
- Standard voltage: single-phase 208-240 V / 50-60 Hz
 three-phase 380-480 V / 50-60 Hz
- Pumped liquid: clean, without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristics.
- Liquid temperature range: from -15°C to +120°C.
- Maximum ambient temperature: +40°C
- Maximum operating pressure: 10 bar (1000 kPa) for KLME - KLPE - DKLME - DKLPE
 16 bar (1600 kPa) for CME



DAB PUMPS Spa - Via Marco Polo, 14 - 35035 Mestrino PADOVA - Italy - Tel. +39-049-9048811 r.a. - Fax +39-049-9048847 - www.dabpumps.com

Sales Export dept.:

Ph. +39-049.9048895-96-97
Fax +39-049.9048900

Customer Technical Assistance:

Ph. +39-049.9048911-12-14-51
Fax +39-049.9048920