

ALME / ALPE

ELECTRONIC IN-LINE PUMPS

HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MCE/C
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Circulator for hot or cold water with in-line ports, suitable for installation directly on the pipes in civil and industrial heating air conditioning, refrigeration, and domestic water systems. Extremely versatile thanks to the use of the **MCE/C** inverter, the circulator performance is such as to allow automatic adaptation to meet the various requirements of the system, while keeping pressure differentials unchanged.

Pump body and motor support in cast iron. 2" M-GAS inlet and outlet. Impeller in technopolymer, carbon/ceramic mechanical seal.

Four-pole totally enclosed asynchronous motor with external cooling for version **ALME** and two pole motor for version **ALPE**.

Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life. Constructed following the CEI 2-3 standards.

Operating range: from 1 to 8.4 m³/h with head up to 21 meters.

Liquid temperature range: From -15 °C to +120°C.

Liquid quality requirements: clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water – maximum glycol percentage 30 % (for different glycol percentages, please contact the Technical Assistance Service).

Installation: fixed horizontally.

Maximum ambient temperature: +40°C

Maximum working pressure: 10 bar (1000 kPa)

Protection rating: IP 55

Insulation class: F

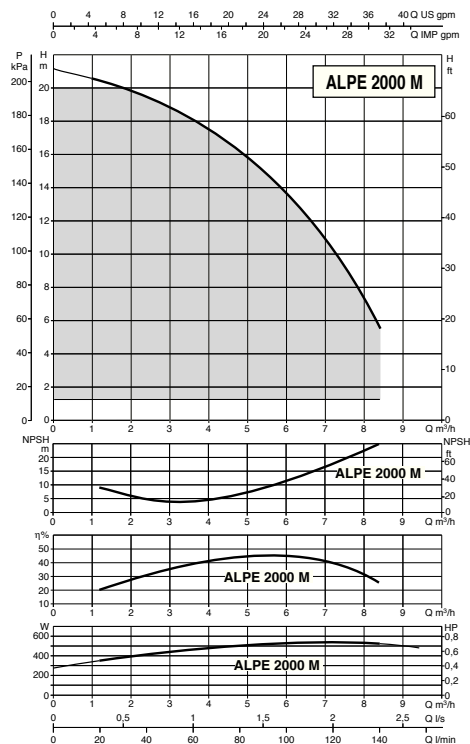
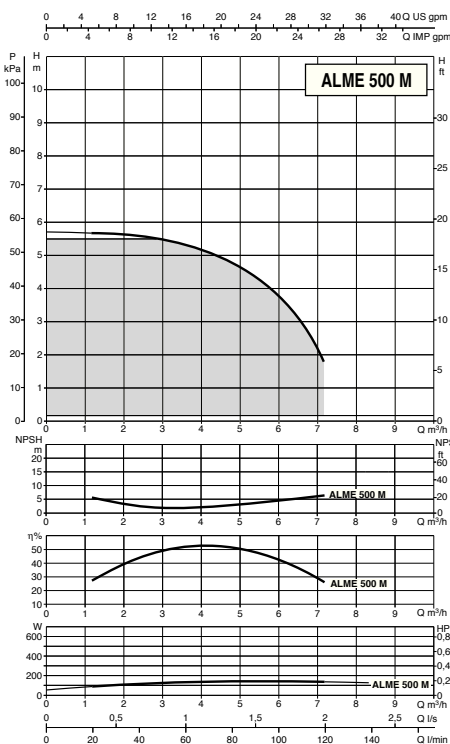
ACCESSORIES

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TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA							HYDRAULIC DATA								DNA GAS	DNM GAS	
		VOLTAGE 50/60 Hz	MOTOR TYPE	n r.p.m.	P1 MAX W	P2 NOMINAL		In A	Q=m ³ /h	0	1,2	2,4	3,6	4,8	6	7,2			8,4
						kW	HP		Q=l/min	0	20	40	60	80	100	120			140
ALME 500 M MCE11/C *	60143227	1x230 V ~	4 POLES	1425	0,20	0,25	0,33	3,20	H (m)	5,5	5,4	5,3	4,8	4,1	3	1,5		2" M	2" M
ALPE 2000 M MCE11/C *	60143228	1x230 V ~	2 POLES	2870	0,69	0,55	0,75	6,40		21,1	20,6	19,6	18	16	13,8	10,5	5,3	2" M	2" M

*Three-phase versions available on request

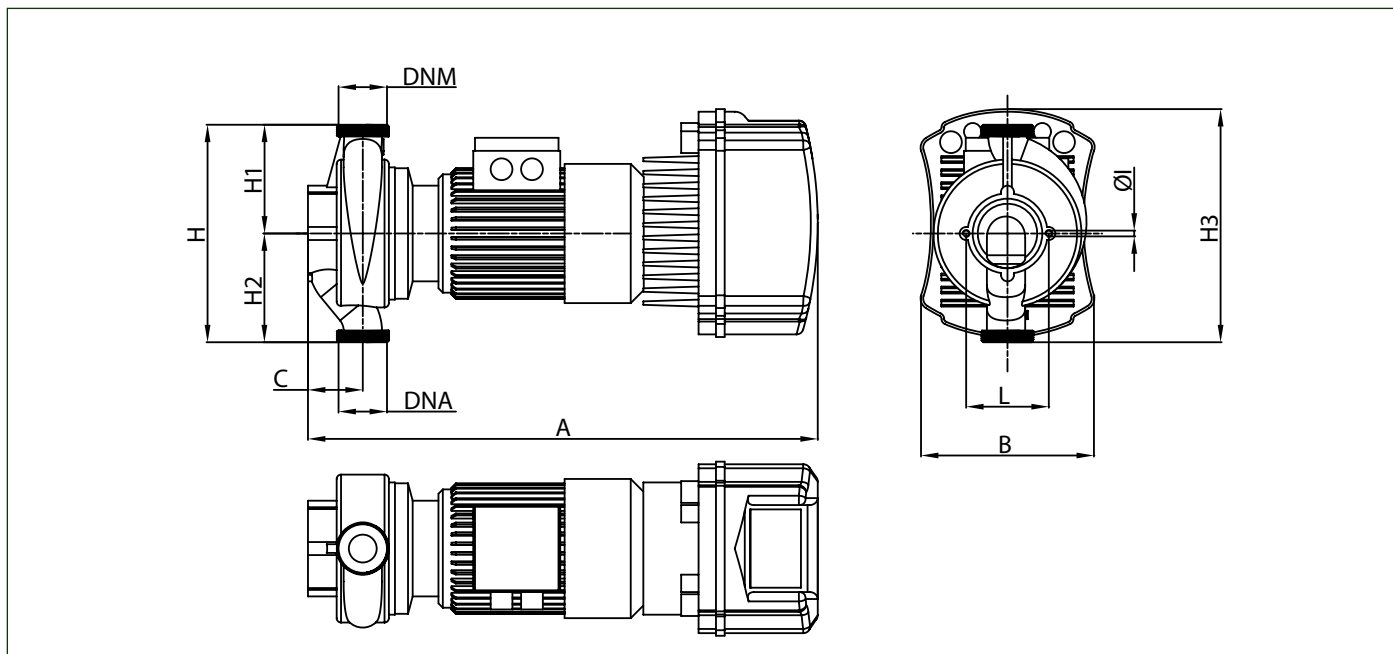


The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

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ELECTRONIC IN-LINE PUMPS

DIMENSIONS AND WEIGHTS



MODEL	A	B	C	L	∅	H	H1	H2	H3	PACKAGING DIMENSIONS			WEIGHT KG
										L/A	L/B	H	
ALME 500 M MCE11/C	586	200	63	95	8	250	125	125	256	600	234	275	19,5
ALPE 2000 M MCE11/C	586	200	63	95	8	250	125	125	256	600	234	275	19,5

ELECTRONIC IN-LINE PUMPS

PERFORMANCE RANGE

KLME/ KLPE - HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q (m ³ /h) (l/min)	0	3,6	4,8	6	7,2	8,4	9,6	12	18	30	36	48	
	kW	HP		0	60	80	100	120	140	160	200	300	500	600	800	
KLPE 40- 600 M MCE11/C	0,37	0,5	H (m)	8,2		7,8	7,4	6,9	6,3	5,7	4					
KLPE 40-1200 M MCE11/C	0,55	0,75		13,7		13,2	12,6	11,9	11,2	10,4	8,4					
KLME 50-600 M MCE11/C	0,25	0,33		5,4		5,2	4,9	4,7	4,5	4,3	3,8	2				
KLPE 50-1200 M MCE11/C	0,75	1		12				11,8	11,6	11	10,5	8,6				
KLME 65-600 M MCE11/C	0,37	0,5		5,5					5,3	5	4,7	3,8				
KLPE 65-1200 M MCE11/C	1,1	1,5		12							11,6	11	8,8	6,7		
KLME 80-600 M MCE11/C	0,75	1		5,7								5,7	5	4,3	2,5	
KLPE 80-1200 M MCE22/C	1,84	2,5		11,8									11,5	11	9,7	

DKLME / DKLPE- HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q (m ³ /h) (l/min)	0	3,6	4,8	6	7,2	8,4	9,6	12	18	30	36	48	
	kW	HP		0	60	80	100	120	140	160	200	300	500	600	800	
DKLPE 40- 600 M MCE11/C	0,37	0,5	H (m)	8,2		7,8	7,4	6,9	6,3	5,7	4					
DKLPE 40-1200 M MCE11/C	0,55	0,75		13,7		13,2	12,6	11,9	11,2	10,4	8,4					
DKLME 50-600 M MCE11/C	0,25	0,33		5,4		5,2	4,9	4,7	4,5	4,3	3,8	2				
DKLPE 50-1200 M MCE11/C	0,75	1		12				11,8	11,6	11	10,5	8,6				
DKLME 65-600 M MCE11/C	0,37	0,5		5,5					5,3	5	4,7	3,8				
DKLPE 65-1200 M MCE11/C	1,1	1,5		12							11,6	11	8,8	6,7		
DKLME 80-600 M MCE11/C	0,75	1		5,7								5,7	5	4,3	2,5	
DKLPE 80-1200 M MCE22/C	1,84	2,5		11,8									11,5	11	9,7	