
ALM-ALP



GENERAL DATA

Applications

Circulation pump for hot or cold water with in-line connections, suitable for installation in series directly to the piping in civil and industrial heating, conditioning and hot water plants.

Constructional features of the pump

Pump body and motor support in cast iron for ALM 500 and ALP 2000 and in bronze for ALM 200 and ALP 800. Intake and delivery connection: 1" 1/2 M-GAS for ALM 200 and ALP 800 and 2" M-GAS for ALM 500 and ALP 2000.

Technopolymer impeller. Carbon/ceramic mechanical seal.

Constructional features of the motor

Induction motor, closed and cooled with external ventilation, four-pole for the ALM version and two-pole for the ALP version.

Rotor mounted on oversized, greased-for-life ball brushings to guarantee silent running and long life.

Built-in thermal and overload protection and a capacitor permanently in circuit in the single-phase version.

Three-phase motors should be protected with a suitable overload protection complying with the regulations in force.

Manufactured according to CEI 2-3 standards.

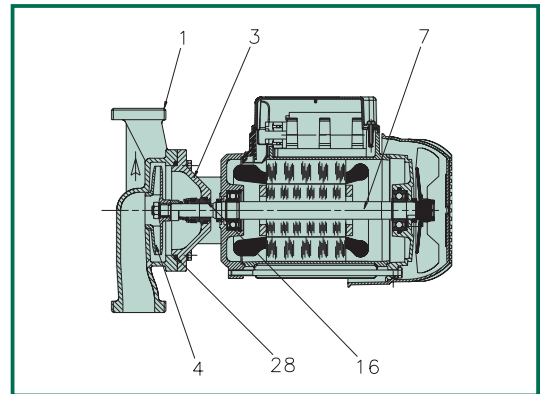
Motor protection: IP55

Insulation class: F

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

TECHNICAL DATA

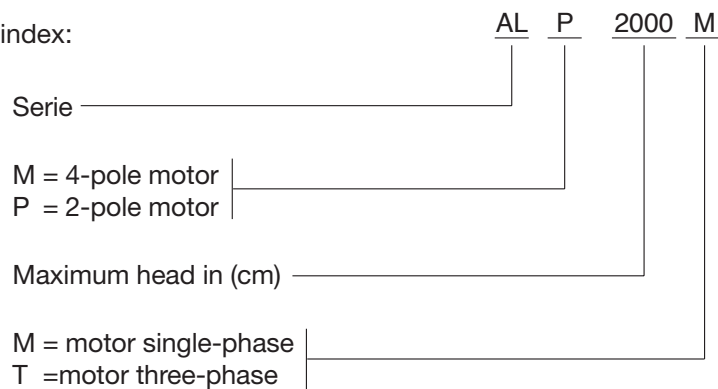
N.	PARTS*	MATERIALS	MODELS
1	PUMP BODY	BRONZE G Cu Sn5 Zn5 Pb5 UNI 7013/8'-72	ALM 200 - ALP 800
		CAST IRON 250 UNI ISO 185	ALM 500 - ALP 2000
3	SUPPORT	BRONZE G Cu Sn5 Zn5 Pb5 UNI 7013/8'-72	ALM 200 - ALP 800
		CAST IRON 250 UNI ISO 185	ALM 500 - ALP 2000
4	IMPELLER	TECHNOPOLYMER	
7	SHAFT WITH ROTOR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



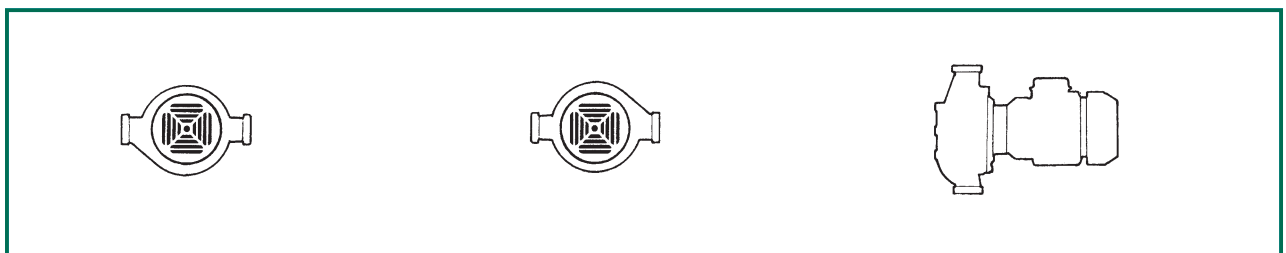
* In contact with the liquid.

- Operating range: from 0,6 to 8,4 m³/h with head up to 21 metres
- 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 -15°C to +120°C
- Maximum ambient temperature: + 40°C
- Maximum working pressure: 10 bar (1000 kPa)
- Unions on request: see final ACCESSORIES table
- Special versions on request: different voltages and/or frequencies

- Classification index:
(example)



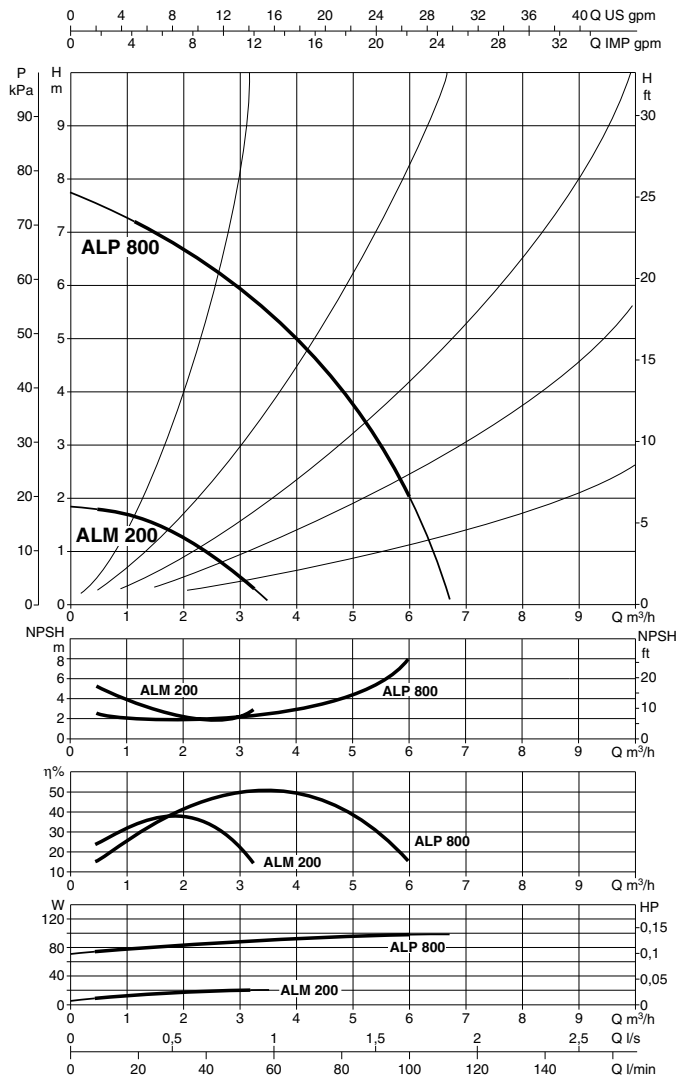
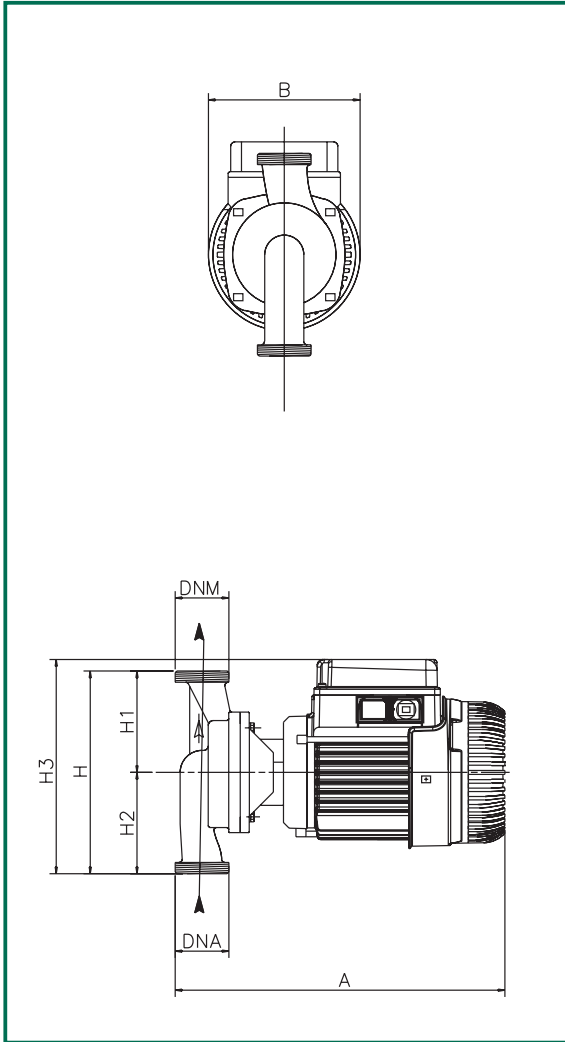
Installation: with motor in a horizontal position.



Performance curves based on kinematic viscosity values equal to 1 mm²/s at a density equal to 1000 kg/m³. Curve tolerance in accordance with ISO 9906.

ALM 200 - ALP 800

Liquid temperature range: from -15°C to +120°C
 Maximum temperature operating: +40°C



MODEL	A	B	C	L	∅	H	H1	H2	H3	DNA	DNM	PACKING DIMENSIONS			VOLUME m ³	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

MODEL	ELECTRICAL DATA								
	VOLTAGE 50 Hz	MOTOR TYPE	r.p.m. n. 1/min.	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
					kW	HP		µF	Vc
ALM 200 M	1x220-240 V ~	4 POLES	1480	0,14	0,059	0,08	0,7	8	450
ALM 200 T	3x230-400 V ~	4 POLES	1475	0,08	0,059	0,08	0,53-0,3	-	-
ALP 800 M	1x220-240 V ~	2 POLES	2925	0,24	0,37	0,5	1,4	10	450
ALP 800 T	3x230-400 V ~	2 POLES	2915	0,20	0,37	0,5	1,2-0,7	-	-

