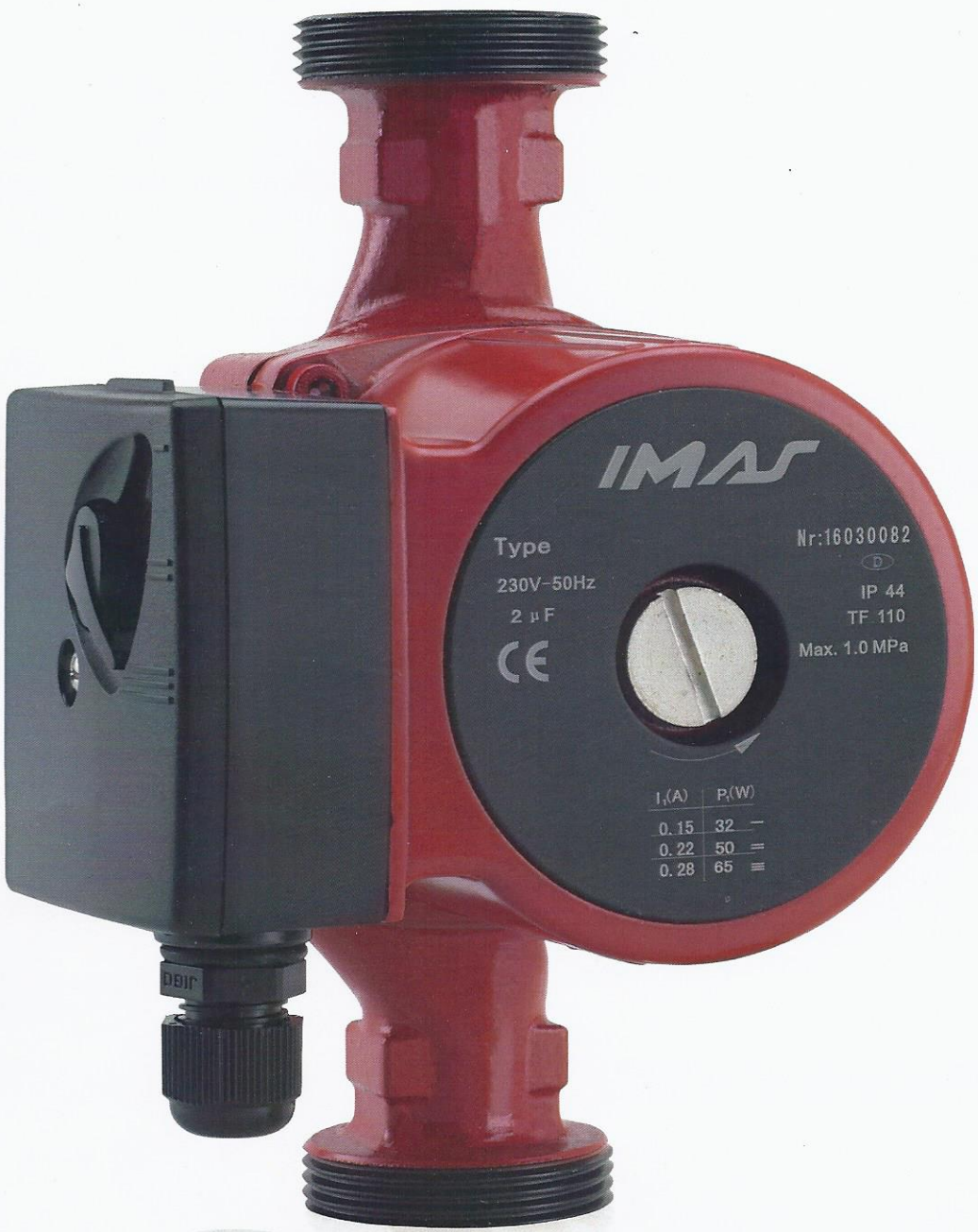
IMAS GROUP

REAL QUALITY MADE IN ITALY



60 JAHRE ERFAHRUNG * YEARS OF EXPERIENCE * ANNI DI ESPERIENZA

CIRCULATION PUMP IM

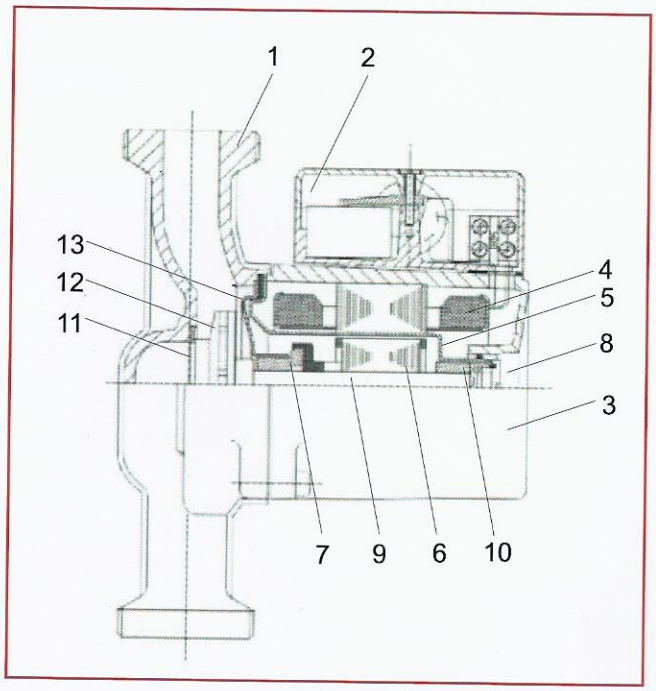
ЦИРКУЛЯЦИОННЫХ НАСОСОВ

CIRCULATEURS DE CHAUFFAGE

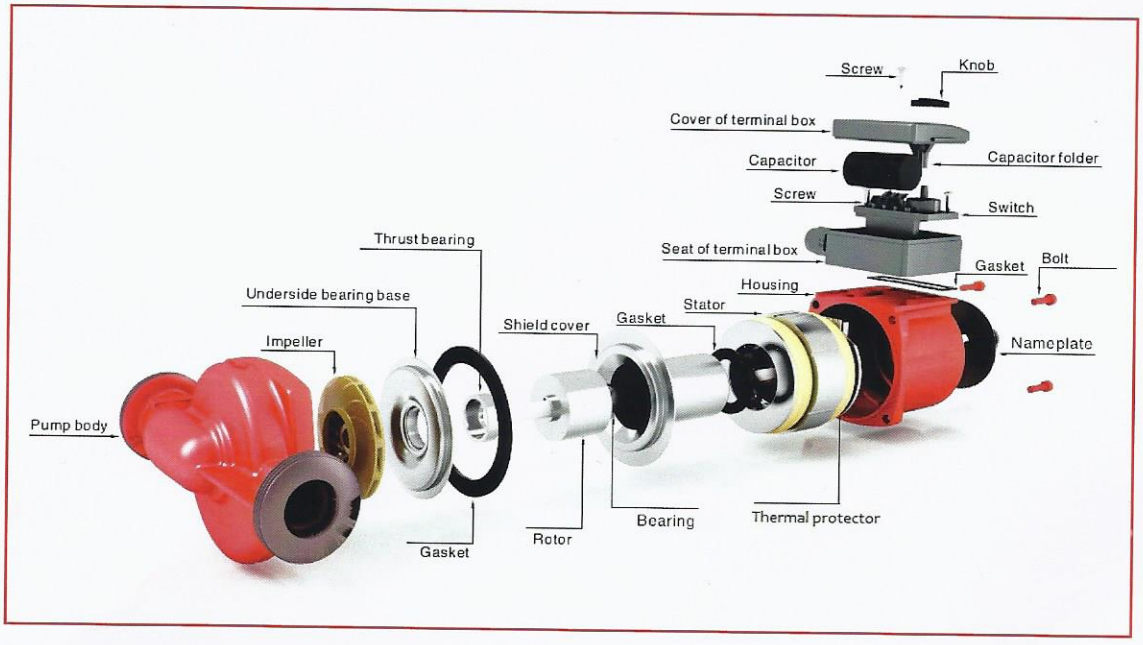
ADVANTAGES OF IMAS CIRCULATING PUMPS

MOTOR - SYSTEM IMAS
Monolith rotor can - INOX
Hermetic closed rotor
Ceramic cut shaft
Cast iron casing, kataphorised
Ceramic shaft, drilled with reversible valve

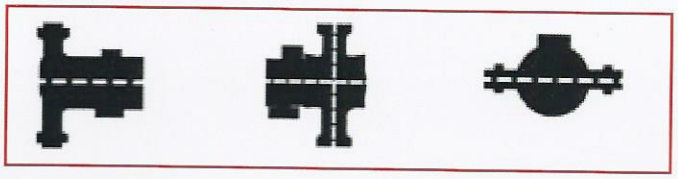
Pump structure
1. Pump body - GG 25 cast iron
2. Electric box
3. Motor casting - aluminium
4. Pump motor stator
5. Motor sleeve - stainless steel
6. Motor rotor
7. Ceramic bearing
8. Vent cap
9. Pump shaft
10. Ceramic bearing / graphite alloy
11. Bearing plate - stainless steel
12. Pump impeller - technical polymer
13. Ring - stainless steel



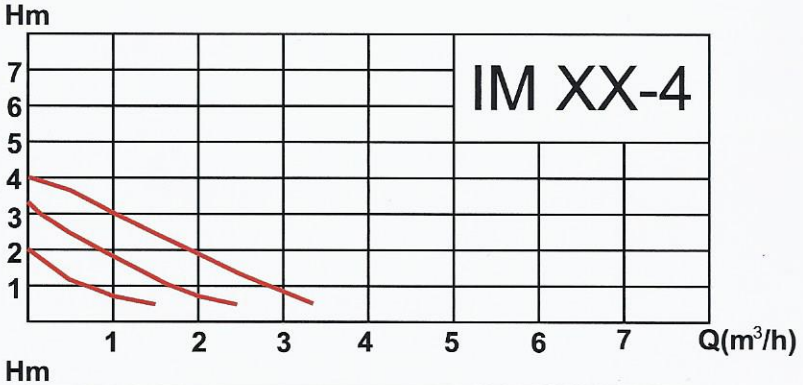
How does the centrifugal pump work?
An increase in the fluid pressure from the pump inlet to its outlet is created when the pump is in operation. This pressure difference drives the fluid through the system or plant.
The centrifugal pump creates an increase in pressure by transferring mechanical energy from the motor to the fluid through the rotating impeller.
The fluid flows from the inlet to the impeller centre and out along its blades.
The centrifugal force hereby increases the fluid velocity and consequently also the kinetic energy is transformed to pressure.



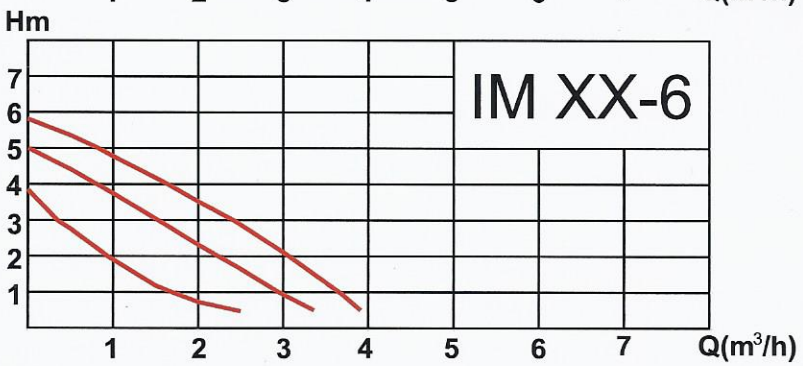
Mounting



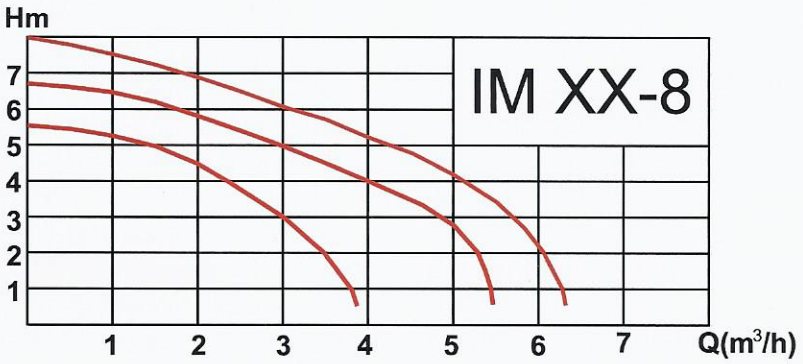
The pump must be mounted in a way so that the shaft is in ahorizontal position. Furthermore, during the first start-up the pump should be bled using a cap.



	I_N (A)	P_1 (W)
Speed I	0,17	32
Speed II	0,26	50
Speed III	0,30	65



	I_N (A)	P_1 (W)
Speed I	0,17	39
Speed II	0,27	62
Speed III	0,35	80



	I_N (A)	P_1 (W)
Speed I	0,53	122
Speed II	0,69	159
Speed III	0,75	170

IM XX - 4 - XXX

Article	Pump body	Lenght (mm)	DN	External thread	H(m)	Power consumption (W)
IM 25-4-180 circulation pump	Cast iron	180	25	G 1 1/2"	4	32-65
IM 25-4-130 circulation pump	Cast iron	130	25	G 1 1/2"	4	32-65
IM 32-4-180 circulation pump	Cast iron	180	32	G 2	4	32-65
IM 25-4-180B circulation pump	Brass	180	25	G 1 1/2"	4	32-65

IM XX - 6 - XXX

Article	Pump body	Lenght (mm)	DN	External thread	H(m)	Power consumption (W)
IM 25-6-180 circulation pump	Cast iron	180	25	G 1 1/2"	6	39-80
IM 25-6-130 circulation pump	Cast iron	130	25	G 1 1/2"	6	39-80
IM 32-6-180 circulation pump	Cast iron	180	32	G 2	6	39-80
IM 25-6-180B circulation pump	Brass	180	25	G 1 1/2"	6	39-80
IM 15-6-130 circulation pump	Cast iron	130	20	G 1"	6	39-80

IM XX - 8 - XXX

Article	Pump body	Lenght (mm)	DN	External thread	H(m)	Power consumption (W)
IM 25-8-180 circulation pump	Cast iron	180	25	G 1 1/2"	8	122-170