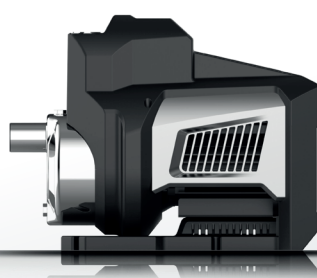




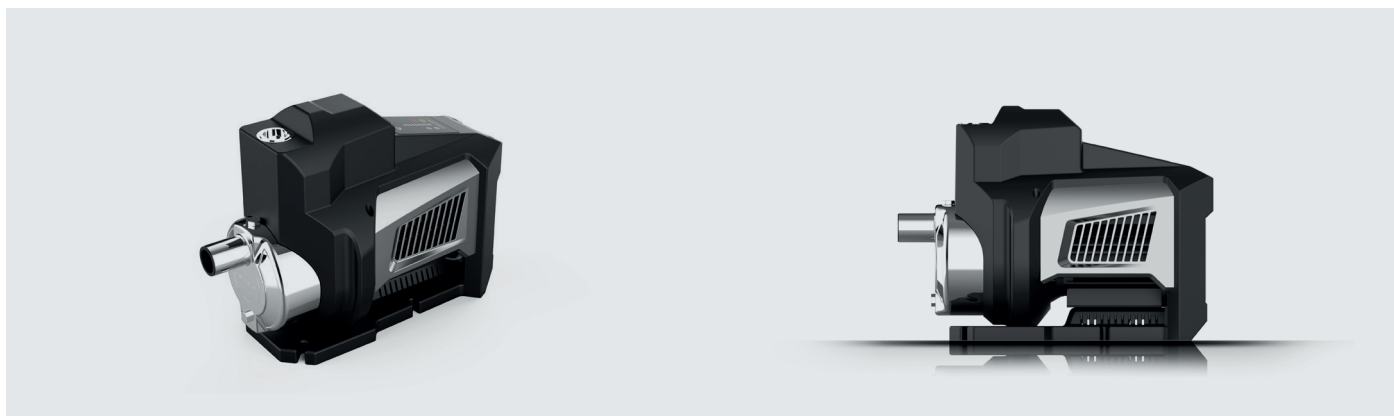
EPM

Permanent Magnet Variable Frequency Pumps



EPM

Permanent Magnet Variable Frequency Pumps



Construction

- Multi-stage, centrifugal, permanent magnet driven motor, variable speed pump with a plug and play solution
- Pump body made of thickened stainless steel material which is corrosion resistant
- Microcomputer control system automatically detect and control the motor to keep always constant pressure by changing frequency
- EPM 550 / EPM 680 / EPM 880: G1" connection
- EPM 1500 / EPM 2200: G2" connection

Applications

- For water supply systems domestic and commercial use for garden and irrigation

Features

- Integrated frequency converter
- Built-in pressure vessel
- High efficiency permanent magnet driven motor
- Motor power / voltage control
- Programmable menu
- Monitoring pressure and current

Protections

- Dry run protection

- Overland control and overheating motor control
- Power supply control
- Pump clogage prevention
- Stop delay function
- Detects small leakages in system

Materials

- Stainless steel pump body, PPO impeller, carbon-ceramic- NBR mechanical seal

Operating Conditions

- Liquid temperature: 0°C to 75°C
- Ambient temperature: 50°C
- Max. casing temperature: 10 bar
- Suction lift: up to 8m

Motor

- Variable speed motor
- Max. speed: 5200 rpm
- Frequency: 50 Hz / 60 Hz
- Voltage: 165 – 260 V
- Insulation class: F
- Protection: IPX5
- Constructed in accordance with EN60034-1; EN60335-1, EN60335-2-41

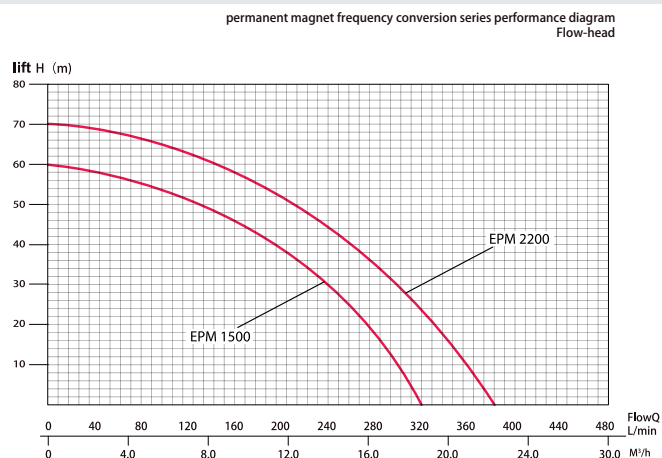
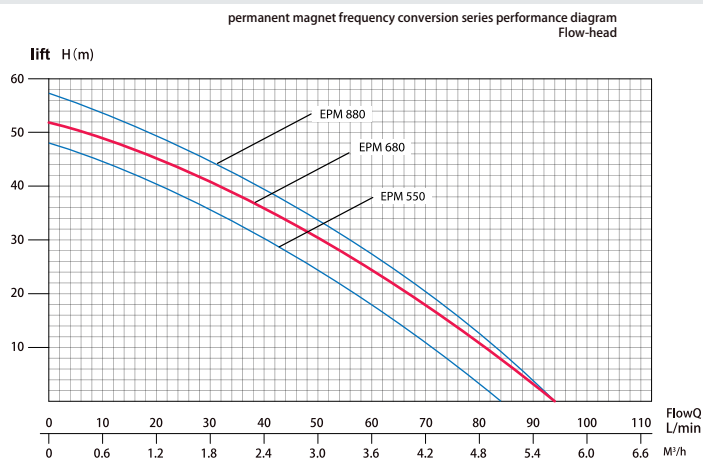
Performans Tablosu / Performance Table

Model	Voltage (V)	Power (kW)	Max Flow m3/h	Max Head (m)	Rated Flow (m3/h)	Rated Head (m)	Connection	Max Suction Lift (m)
EPM 550	"165-260 v 50 Hz- 60 Hz"	0,55	5	46	3	24	G1"	6
EPM 680		0,68	5,5	55	3	28	G1"	6
EPM 880		0,88	5,8	60	3	33	G1"	8
EPM 1500		1,5	18	58	8	50	G2"	8
EPM 2200		2,2	22	68	8	60	G2"	8

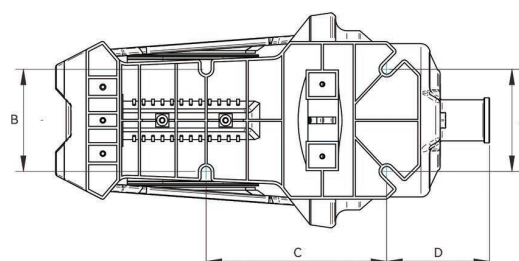
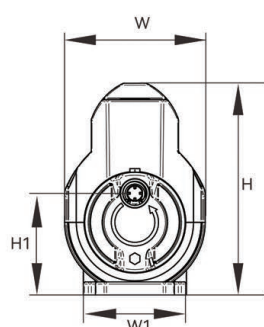
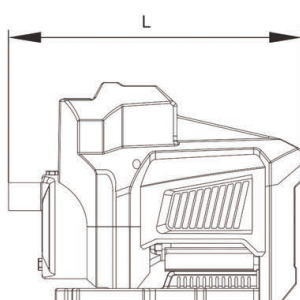
EPM

Permanent Magnet Variable Frequency Pumps

Technical Parameters (Curve Chart):



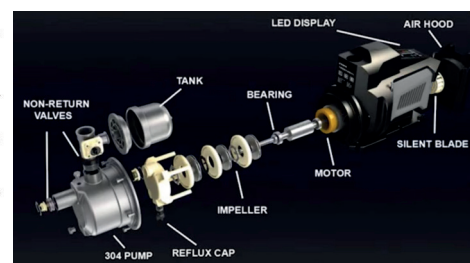
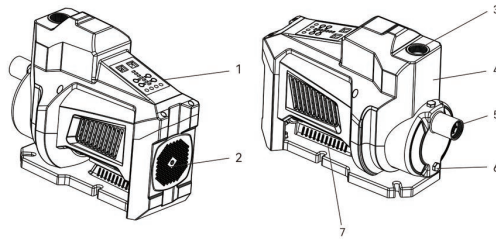
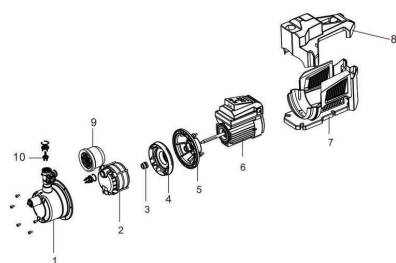
Dimensional Drawings



	Nominal Dia		Length	Width		Height		Net Weight	
	Suction	Discharge	L	W	W1	H	HI	Kg	lbs
mm	25	25	390	193,5	143	290	140	8,1	17,85
inch	1"	1"	15,35	7,62	5,62	11,42	5,5		

	A	B	C	D
mm	92	92	162,5	92,5
inch	3,62	3,62	6,4	3,64

Exploded View



EPM

Permanent Magnet Variable Frequency Pumps

Materials

Pos.	Component name	Material
1	Pump body	AISI304
2	Chamber stack (three stages)	Composite
3	Shaft seal	Carbon / Ceramic
4	Seal holder	Composite
5	Support	Aluminium
6	Stator housing	Composite and EN 1.4301/AISI 304
7	Cover	Composite
8	Control box cover	Composite
9	Tank complete	Composite, Butyl and EN 1.4301/AISI 304
10	Non-return valve, outlet	Composite

Pos.	Description
1	Operating panel
2	Operating panel
3	Intlet opening
4	Nameplate
5	Outlet opening
6	Drain plug
7	Ventilation holes. Must not be flooded

Application Scenario

