

teknopomp

Teknolojik Pompa ve Hidrofor Sistemleri



ELECTRONIC CIRCULATION PUMPS **teknomag** SERIES



Teknopomp Teknolojik Pompa ve Hidrofor Sistemleri

www.teknopomp.com



ELECTRONIC CIRCULATION PUMPS

teknomag SERISI



TeknoMag series new generation circulation pumps with permanent magnet rotor and smart electronic control system providing perfect control;

- High performance
- Low energy consumption
- Provides easy assembly and operation.

These circulation pumps are generally;

- Heating and cooling systems,
- Heat pump applications,
- Solar energy systems and
- It is used in industrial applications.

The electronic control unit on TeknoMag pumps provides energy saving by changing the speed of the high efficiency permanent magnet motor (EEI 0.23) according to the instantaneous needs of the system. The pumps offer a comfortable and quiet use thanks to their superior technical features and excellent hydraulic design.

GENERAL FEATURES

TECHNICAL DATA	TEKNOMAG 25 - 32	TEKNOMAG 40-50-65-80	TEKNOMAG 40-50-65-80 D
Connection Size	25 - 32	40-50-65-80	40-50-65-80
Connection Type	Threaded	Flange	Twin Type Flange
Maximum Flow (m3/h)	12	50	80
Maximum Head (mSS)	10	15	15
Pressure Class (PN)	10	6 / 10	6 / 10
Maximum Power (W)	180	960	960
Voltage (V)	220	220	220
Fluid Temperature (°C)	+5 ~ +110 °C	+5 ~ +110 °C	+5 ~ +110 °C

MATERIAL DATA

Pump Casing	Cast Iron	Cast Iron	Cast Iron
Impeller	Teknopolymer	Teknopolymer	Teknopolymer
Shaft	Stainless Steel	Stainless Steel	Stainless Steel
Beding	Carbon	Carbon	Carbon
Jacket	Stainless Steel	Stainless Steel	Stainless Steel
Advanced native software;	Working options suitable for every building and installation;	Maximum safety for long time;	Excellent design;
<ul style="list-style-type: none"> * Displaying instantaneous values of power, head, flow and engine speed on the screen * Maximum energy savings with head adjustment in 0.1 mSS intervals * Detecting 15 different errors and producing solutions by displaying past errors on the screen 	<ul style="list-style-type: none"> *Variable pressure mode *Constant pressure mode *Constant speed mode 	<ul style="list-style-type: none"> * Jam protection * Anti-dry run * High temperature protection * High and low voltage (+/-10%) protection * Excellent corrosion resistance with fully stainless steel permanent magnet rotor 	<ul style="list-style-type: none"> *Silent structure with wet rotor structure and low knock moment * Smooth operation at fluid temperatures up to +110 °C * Smooth operation even at high revs * Threaded and flanged connection options (PN6 and PN10 compatible)
Extra features of twin type electronic circulation pumps;			
<ul style="list-style-type: none"> *Saving on collector and installation materials (Valves, check valves, pipes, elbows, flanges, insulation, etc.) *Savings in labor costs *Quick installation and assembly 		<ul style="list-style-type: none"> * Cover flange for disassembly of a single pump in case of maintenance and failure * Ability to operate two pumps at the same time 	



ELECTRONIC CIRCULATION PUMPS

teknomag SERISI



GENERAL DATA

teknomag SERISI new generation circulation pumps with permanent magnet rotor and smart electronic control system providing perfect control;

- - High performance
- - Low energy consumption (EEI ≤ 0.23)
- - Provides easy assembly and operation.

TEKNOMAG pumps can be used safely in heating, cooling and solar energy systems.

The pumps are in compliance with the European Union, EC 641/2009 Environmentally Responsible Design Regulation, and are high-efficiency and nature-friendly technology products.

Features

- High efficiency permanent magnet rotor
- Intelligent electronic control system
- Excellent hydraulic design
- Wet Rotor
- Flanged Connection
- Monophase Models



OPERATING CONDITIONS

- Voltage (Monophase): 1N ~50-60 Hz 230 V ±%10
- Max Fluid Temperature____: -10~+110 °c
- Max Working Pressure_____ : 10 Bar
- Motor Protection Class: IP44
- Protection Class: F
- Assembly Position: Horizontal

Technical Data

PART	MATERIAL
Pump Casing	Cast Iron
Motor Casing	Aluminium
Shaft	Stainless Steel
Impeller	Teknopolymer



High efficiency with permanent magnet rotor

teknomag 25 SERIES

MODEL	PUMP HEIGHT (mm)	CONNECTION DIAMETER	EEI	POWER (W)	FLOW (m3/h)	PRESSURE (mSS)
TEKNOMAG 25/180.07	180	1 1/2"	EEI≤0.23	55	4.0	7.0
TEKNOMAG 32/180 08	180	2"	EEI≤0.23	75	6.0	8.0

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teknomag 25-32 SERIES

MODEL	PUMP HEIGHT (mm)	CONNECTION DIAMETER	EEI	POWER (W)	FLOW (m3/h)	PRESSURE (mSS)
TEKNOMAG 25/180.10	180	1 1/2"	EEI≤0.23	185	0,5-12	9,-1
TEKNOMAG 32/180.10	180	2"	EEI≤0.23	185	0,5-12	9,-1



ELECTRONIC CIRCULATION PUMPS

teknomag SERISI



High efficiency with permanent magnet rotor

teknomag 40-50-65-80 SERIES

MODEL	PUMP HEIGHT (mm)	CONNECTION DIAMETER	EEI	POWER (W)	FLOW (m ³ /h)	PRESSURE (mSS)
TEKNOMAG 40/220.07	220	DN 40	EEI≤0.23	185	2-16	6,-1
TEKNOMAG 40/250.08	250	DN 40	EEI≤0.23	190	2-17	7,-1
TEKNOMAG 40/250.10	250	DN 40	EEI≤0.23	360	3-19,5	10,-2
TEKNOMAG 40/250.12	250	DN 40	EEI≤0.23	525	3-24	12,-1
TEKNOMAG 40/250.15	250	DN 40	EEI≤0.23	640	3-25,5	15,-1,5
TEKNOMAG 50/280.07	280	DN 50	EEI≤0.23	200	0,5-18,5	7,-1
TEKNOMAG 50/280.09	280	DN 50	EEI≤0.23	365	3-24	9,-1
TEKNOMAG 50/280.12	280	DN 50	EEI≤0.23	645	4-32	12,-1
TEKNOMAG 50/280.15	280	DN 50	EEI≤0.23	940	4-36	15,-1,5
TEKNOMAG 65/340.06	340	DN 65	EEI≤0.23	210	3-21	6,-1
TEKNOMAG 65/340.08	340	DN 65	EEI≤0.23	375	6-27	8,-1
TEKNOMAG 65/340.10	340	DN 65	EEI≤0.23	650	5-38	10,-1
TEKNOMAG 65/340.15	340	DN 65	EEI≤0.23	950	2,5-42,5	14,-1,5
TEKNOMAG 80/360.08	360	DN 80	EEI≤0.23	385	4-30	8,-1
TEKNOMAG 80/360.10	360	DN 80	EEI≤0.23	655	5-40	10,-1
TEKNOMAG 80/360.15	360	DN 80	EEI≤0.23	960	2,5-45	14,-1,5



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teknomag 40-50-65-80 TWIN SERIES

MODEL	PUMP HEIGHT (mm)	CONNECTION DIAMETER	EEI	POWER (W)	FLOW (m ³ /h)	PRESSURE (mSS)
TEKNOMAG 40/250.08 D	250	DN 40	EEI≤0.23	2x190	2x18.0	8.0
TEKNOMAG 40/250.10 D	250	DN 40	EEI≤0.23	2x360	2x23.0	10.0
TEKNOMAG 40/250.12 D	250	DN 40	EEI≤0.23	2x525	2x25.0	12.0
TEKNOMAG 40/250.15 D	250	DN 40	EEI≤0.23	2x640	2x25.0	15.0
TEKNOMAG 50/280.07 D	280	DN 50	EEI≤0.23	2x200	2x21.0	7.0
TEKNOMAG 50/280.09 D	280	DN 50	EEI≤0.23	2x365	2x27.0	9.0
TEKNOMAG 50/280.12 D	280	DN 50	EEI≤0.23	2x645	2x34.0	12.0
TEKNOMAG 50/280.15 D	280	DN 50	EEI≤0.23	2x940	2x38.0	15.0
TEKNOMAG 65/340.06 D	340	DN 65	EEI≤0.23	2x210	2x24.0	6.0
TEKNOMAG 65/340.08 D	340	DN 65	EEI≤0.23	2x375	2x30.0	8.0
TEKNOMAG 65/340.10 D	340	DN 65	EEI≤0.23	2x650	2x41.0	10.0
TEKNOMAG 65/340.15 D	340	DN 65	EEI≤0.23	2x960	2x45.0	15.0
TEKNOMAG 80/360.08 D	360	DN 80	EEI≤0.23	2x385	2x32.0	8.0
TEKNOMAG 80/360.10 D	360	DN 80	EEI≤0.23	2x655	2x44.0	10.0
TEKNOMAG 80/360.15 D	360	DN 80	EEI≤0.23	2x960	2x50.0	15.0

