APF PERMANENT MAGNETIC VARIABLE FREQUENCY PUMP

APF

Product features

Constant pressure
Efficient
Energy saving
Comfortable

Materials

ABS casing, stainless steel pump body, stainless steel impeller, 304 welded shaft, silicon carbide to graphite mechanical seal, Sensata pressure sensor, IP54

Product overview

1. Exquisite in appearance meet the whole house water supply for a family of five, a constant pressure control system designed for families to achieve a complete constant water pressure;
2. A smaller installation volume, which saves more installation space; as low as 1W of standby power design, so that energy-saving technology can be perfectly presented;
3. Motor insensitive drive technology (FOC), fully realize the zero maintenance of the motor system;
4. The rotor shaft uses stainless steel welding technology to ensure that over water components never rust;
5. Supporting LED display human-machine interface, simple operation;
6. Equipped with industrial-grade pressure sensors;
7. System integration reverse valve structure;
8. A constant pressure control system designed for the home to achieve a complete constant water pressure.

EEZI PUMPS
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Core technology

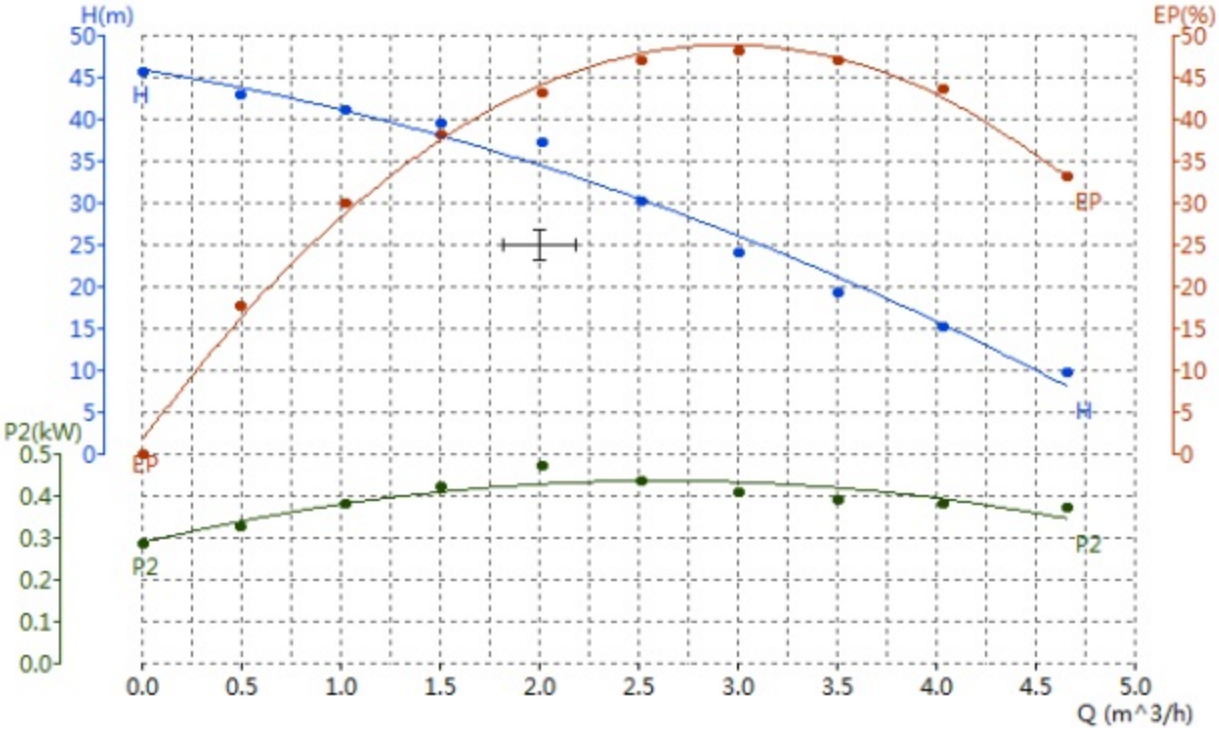
Permanent magnetic synchronous motor, insensitive FOC vector drive technology, check valve eliminates water hammer.

Operating conditons/

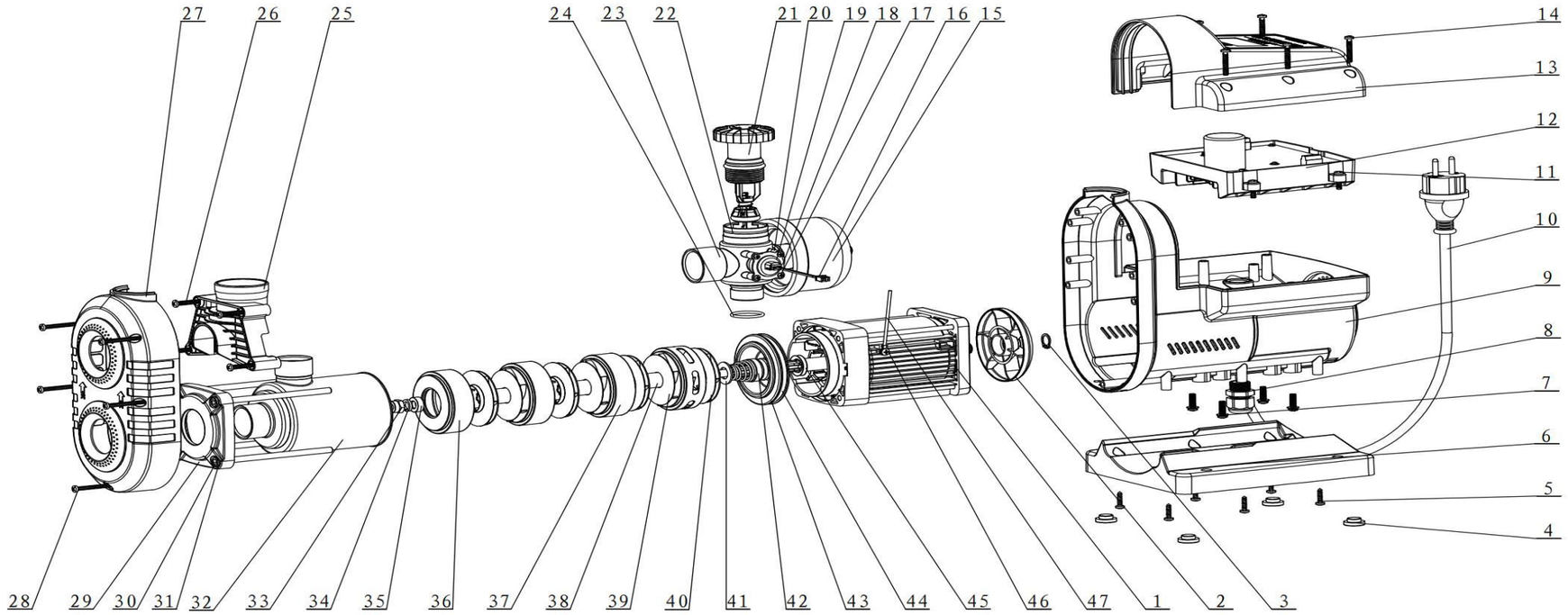
Liquid temperature: High temperature(0℃~+100℃)
Environment temperature:≤40℃

Technical parameters

Model	Rated voltage (V)	Power(kW)	Max. head (m)	Rated head (m)	Max. flow(m^3/h)	Rated flow(m^3/h)	Max. speed(RPM)	In/out Pipe diameter
APF204	220	0.55	28	21	4.8	2	4300	G1"
APF204H	220	0.65	45	37	4.8	2	5000	G1"
APF204H	110	0.5	45	29	4.3	2	5000	G1"



APF204H PERFORMANCE CURVE



Serial Number	Name	Qty(PCS)	Material	Serial Number	Name	Qty(PCS)	Material
1	Electric Motor	1		26	Cross-warhead screw	4	SUS304
2	Fan	1	PP-GF15	27	Cover	1	ABS
3	Shaft fring	1	65Mn	28	Cross-warhead screw	5	SUS304
4	Foot pad	4	EPDM	29	Press plate	1	ADC12
5	Cross-warhead screw	6	SUS304	30	Hexagonal screws	4	SUS304
6	Base	1	PP+GF15	31	Spring gasket	4	SUS304
7	Cross-warhead screw+cushion	4	SUS304	32	Pump shell	1	SUS304
8	PG11 Fairlead	1	Flame retardant ABS	33	Relax nut	1	SUS304
9	Shell	1	ABS	34	Spring gasket	1	SUS304
10	Power cable	1		35	Compact the shaft sleeve	1	SUS304
11	Cross-warhead screw	4	SUS304	36	First diffuser	1	SUS304
12	Main board	1		37	Middle diffuser	2	SUS304
13	Panel	1		38	Middle shaft sleeve	3	SUS304
14	Cross-warhead screw	6	SUS304	39	Last diffuser	1	SUS304
15	PB-1B pressure tank	1		40	Impeller	4	SUS304
16	Pressure sensor connection cable	1		41	Flat gasket	1	SUS304
17	Cross-warhead screw	4	SUS304	42	Mechianical seal	1	14SAF(D23.1-
18	Sensor pressure plate	1	SUS304	43	Pump cover	1	SUS304
19	EC-01 pressure sensor	1		44	Pump cover O-ring	1	Viton
20	Sensor cushion height sleeve	4	PA6	45	Water retaining ring	1	EPDM
21	Check valve	1	SUS304	46	Cross-warhead screw+cushion	1	SUS304
22	Waterproof O-ring	1	EPDM	47	Grounding wire	1	L=65
23	Five-way	1	SUS304				
24	Five-way O-ring	1	Viton				
25	Fixed frame	1	PA6-GF30				

EFFICIENCY DATA PERFORMANCE CHART

MODEL : APF204H						
Voltage	Input Power	Speed	Flow	Head	Shaft Power	Eff.
V	kw	r/min	m^3/h	m	kw	%
219.3	0.497	3918	4.65	9.77	0.373	33.17
219.8	0.508	4008	4.03	15.17	0.381	43.69
220.4	0.523	4146	3.50	19.36	0.392	47.02
220.0	0.546	4350	3.00	24.15	0.410	48.16
219.3	0.583	4650	2.51	30.17	0.437	47.14
219.6	0.629	4956	2.01	37.21	0.472	43.15
219.4	0.562	5022	1.50	39.45	0.422	38.22
220.0	0.508	5022	1.02	41.08	0.381	29.94
219.3	0.433	5022	0.49	42.92	0.325	17.63
220.1	0.382	5022	0.00	45.57	0.286	0.00