

PZ

Model Instruction

PZ 370

Specification Code

Automatic vortex self-priming electric pump



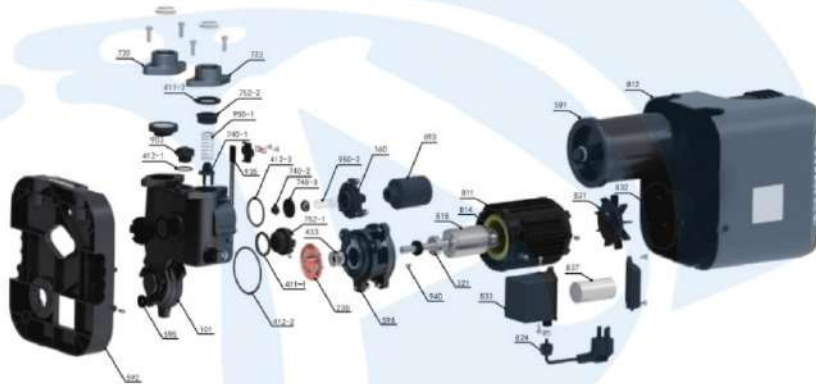
Application Limits

- Medium temperature: No higher than 60°C
- Ambient temperature: No higher than 40°C
- Pump body Max. Pressure: 0.5Mpa
- The PH value of the medium is between 6.5 and 8.5, the volume ratio of solid impurities in the medium is $\leq 0.1\%$, and the particle size is $\leq 0.2\text{mm}$.
- Voltage fluctuation: No more than $\pm 10\%$ of the rating.

Advantages & Features

- Pump body/ Coupling: HT200;
- Shaft: 304+45#;
- Motor casing/End cover: YL102;
- Mechanical seal: S:A (PC) High temperature nitrile rubber
- Bearing: C&U;
- Motor: 2-stages asynchronous motor, copper coil, with thermal protector, continuous operation;
- Level of protection: IPX4;
- Insulation grade: F. External temperature protector on the pump body.

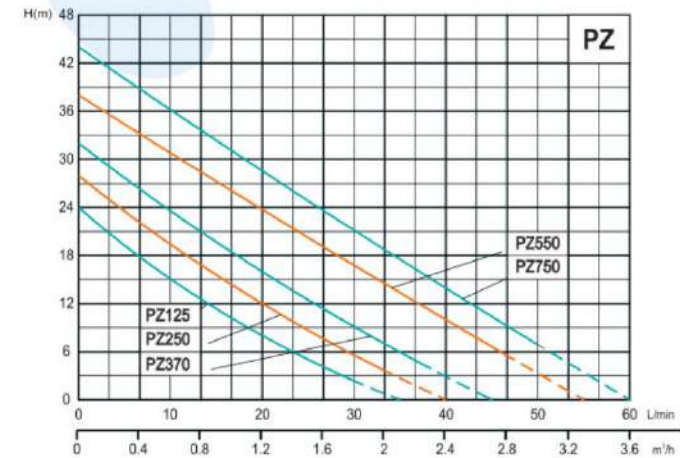
Components & Materials



No.	Part name	No.	Part name	No.	Part name
742-1	Valve sleeve	903	Vent cock	101	Pump body
740-2	Diaphragm seat	742-2	Check valve with filter	950-2	Small spring
230	Impeller	740-3	Diaphragm	740-1	Flow stabilizing valve
752-1	Check valve seat	412-3	O-ring	433	Mechanical seal
412-2	O-ring	837	Running capacitor	594	Connector body
824	Cable (domestic)	833	Junction box	935	External thermal protector
723	Inlet pipe	818	Rotor	832	Fan cover
940	Ordinary flat key	812	Outer housing	693	Pressure switch
412-1	O-ring	720	Outlet pipe	591	Pressure tank
752-2	Flow stabilizer Locating sleeve	410	Rubber washer	321	Deep groove ball bearing
950-1	Large spring	160	Flow stabilizer cover	831	Fan\QB60
411	Rubber washer	811	Casing	814	Stator core with winding
592	Base	595	Rubber ring		

Model	PZ125	PZ250	PZ370	PZ550	PZ750
Capacitor	10 μ F/450V	10 μ F/450V	12 μ F/450V	12 μ F/450V	18 μ F/450V
End cap Bearing	6201-2RZ	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ
Connection Part Bearing	6201-2RZ	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ
Motor Shaft	45#-304#	45#-304#	45#-304#	45#-304#	45#-104#
Mechanical Seal	108-12/21AB/A(RC)	108-12/21AB/A(RC)	108-12/21AB/A(RC)	108-12/21AB/A(RC)	108-12/21AB/A(RC)
Motor Case	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Coupling	cast iron	cast iron	cast iron	cast iron	cast iron
Pump Body	cast iron	cast iron	cast iron	cast iron	cast iron
Impeller	copper	copper	copper	copper	copper

Performance Curve



Model	Power		Max. Flow (m ³ /h)	Max. Head (m)	Head Range (m)	Max. Suction (m)	Packing Dim. L × W × H (mm)	G.W (kg)	20' Loading Qty. (pcs)
	kW	HP							
PZ125	0.125	0.17	2.1	24	1~18	6	310 × 275 × 300	11	1064
PZ250	0.25	0.34	2.4	28	1.5~23	6	310 × 275 × 300	11.7	1064
PZ370	0.37	0.5	2.7	32	1.5~27	6	310 × 275 × 300	12	1064
PZ550	0.55	0.75	3.3	38	3.5~35	6	315 × 315 × 335	14.2	882
PZ750	0.75	1	3.6	44	5~38	6	315 × 315 × 335	16	882