

Fixed speed booster and tank package

Applications

To restore system pressure when the mains supply is insufficient, a pump may be used. However to comply with Water Authority Byelaws, a break tank must be incorporated, as the pump may not be connected directly to the mains water supply.

The ESPA Sub-tank system has been designed to solve this problem. A fully automatic unit, the Sub-Tank has a submersible stainless steel pump incorporated into the break tank giving space saving advantages in small plant rooms. Control is provided by a constant pressure device, with a built in pressure gauge. Electronics prevent starting without water. Installation is straightforward, with only three connection required.

Dimensions

490 mm x 585 mm x 1675 mm height.
Outlet connection 1" BSPF.

Materials

270 Ltrs capacity high density polyethylene break tanks (EN 13077).

Fitted with a 3/4" ball valve and type "AB" air gap, protecting incoming mains supply from a class 5 designated risk of contamination.

Pressure starts and stops pump automatically which supplies water at constant pressure. Prevents starting in the absence of water and avoids water hammer. Does not require any maintenance or pre-charge.

Limitations

Start pressure 1.5 - 3 Bar (adjustable).
Working pressure range: 2 - 8 Bar.
Maximum temperature 40 °C.
Maximum working pressure 10 Bar.
Noise levels are 65dB when filling set of water and 60 dB when pump set is running at 1 metre.
Power supply 230 V / 1ph / 50 Hz.
PS = Pressure switch version.

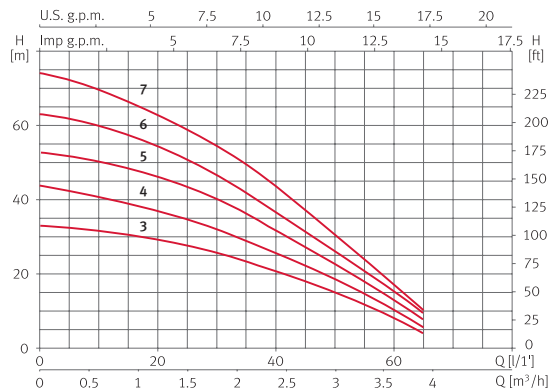


Technical features

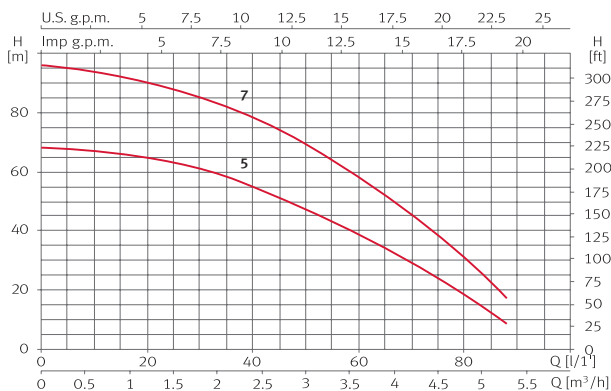
Model	I [A]	P1 [kW]	P2		Dry Weight [Kg]	Code
	1~ 230 V	1~ 230 V	[kW]	[HP]		
ST07.3M/270	2.8	0.6	0.37	0.5	44	00830028
ST07.4M/270	3.5	0.8	0.5	0.75	45	00830030
ST07.5M/270	4.1	1	0.75	1	46	00830031
ST07.6M/270	5	1.2	0.9	1.2	47	00830032
ST07.7M/270	5.5	1.4	1.1	1.5	48	00830033
ST17.5M/270	7.4	1.6	0.9	1.25	49	00830034
ST17.7M/270.PS	10.7	2.2	1.5	2	50	00830035
ST27.4M/270	7	1.5	0.9	1.25	52	00830036
ST27.6M/270.PS	10.8	2.2	1.5	2	53	00830037

Performance curves at 2900 rpm

ST07



ST17



ST27

