

## Twin variable speed booster and tank package

### Applications

Two in-line inverters with built-in pressure transducers provides control. Duty/standby or duty/assist configuration.

### Limitations

The pressure vessel requires a pre-charge with air 0.3 -0.5 Bar below the working pressure. Adjustable working pressure 2 – 8 Bar. Maximum temperature 40 °C. Maximum working pressure 10 Bar. Noise levels are 65 dB when filling set of water and 60 dB when pump set is running at 1 metre.

### Dimensions

270.DI. 650 mm x 520 mm x 1740 mm height. Outlet connection 2" BSPM. Three phase versions available on request.

### Materials

270 Litre actual capacity high density polyethylene break tanks (BS 4213). Byelaw 30 top tank fitted with 3/4" ball valve(s) complying with (Byelaw 11). Type "AA & AB" air gap, protecting incoming mains supply from a class 5 designated risk of contamination (Byelaw 25). Inverter starts and stops pump automatically supplying water at a constant pressure.

Prevents starting in the absence of water and avoids water hammer. Inverter displays rotation frequency, system pressure, motor absorption & pump alarm. 5" submersible pump(s) made of stainless steel AISI 304, with internal capacitor.



## Technical features

| Model          | P2   |      | Q<br>l/min<br>m³/h | 0  | 10  | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 100  | 110  | 120 | Code     |
|----------------|------|------|--------------------|----|-----|------|------|------|------|------|------|------|------|------|-----|----------|
|                | [kW] | [HP] |                    | 0  | 0,6 | 1,2  | 1,8  | 2,4  | 3,0  | 3,6  | 4,2  | 4,8  | 6,0  | 6,6  | 7,2 |          |
| ST2.3-N/270.DI | 0,55 | 0,75 | nwc                | 48 | 46  | 44,5 | 42,8 | 40,5 | 37,5 | 33,5 | 29   | 23   |      |      |     | 00830052 |
| ST2.4-N/270.DI | 0,75 | 1    |                    | 63 | 61  | 59   | 57   | 54   | 50   | 45   | 39   | 31   |      |      |     | 00830053 |
| ST2.5-N/270.DI | 1,1  | 1,5  |                    | 81 | 79  | 75,5 | 73   | 68,5 | 63,5 | 57,5 | 49,5 | 40   |      |      |     | 00830054 |
| ST2.6-N/270.DI | 1,5  | 2    |                    | 95 | 93  | 90   | 87   | 82   | 76   | 68,5 | 59,5 | 48   |      |      |     | 00830055 |
| ST4.4-N/270.DI | 0,75 | 1    |                    | 53 | -   | 52   | 50,5 | 49   | 46,5 | 44   | 40   | 37   | 27,5 | 22   | 16  | 00830056 |
| ST4.5-N/270.DI | 1,1  | 1,5  |                    | 67 | -   | 65   | 63,5 | 61,5 | 58   | 55   | 50,5 | 46,5 | 34   | 27,5 | 20  | 00830057 |
| ST4.6-N/270.DI | 1,5  | 2    |                    | 80 | -   | 78   | 76   | 74   | 70   | 66   | 61   | 56   | 41   | 33   | 24  | 00830058 |

\*500L, 750L and 1000L optional. Please, see pages 123-125.

Three phase models available on request.

## Performance curves at 2900 rpm

