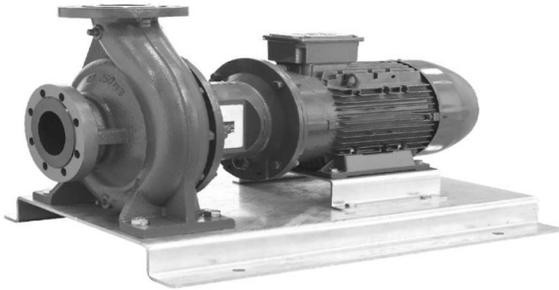


TST171 MAXFLOW PUMP



37 pump end sizes

Nominal impeller sizes from 125 to 400mm

1.5 to 110 kW 2 pole motors

1.1 to 75 kW 4 pole motors

Discharge sizes from 32mm to 150mm

Flows to 800m³/h; Heads to 150m

Maker:

Standard:

Liquid handled:

Liquid temperature:

Maximum speed:

Pressure range:

Eagle Burgmann

EN12756

Fresh water

TST171 MAXFLOW PUMP

-10° to +120° C

3600 rpm

-0.5 - 16 bar

When temperature is >80° C the stuffing box

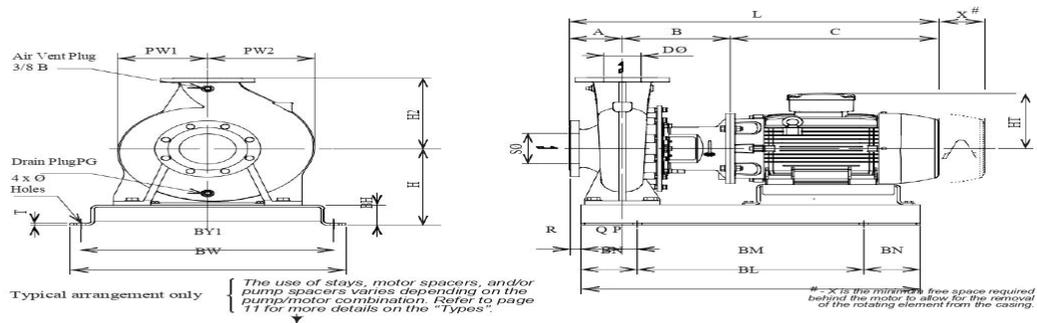
pressure (P) should be less than 10 bar where box

$$P_{\text{box}} = (0.05 \times TH) + P_s$$

P = stuffing box pressure box

TH = Total Head (Differential pressure)

P = Suction
Pressure



TST171 MAXFLOW PUMP

Features

Model TST171

A versatile high quality compact close coupled motor pump suitable for many applications where water needs to be transferred or boosted

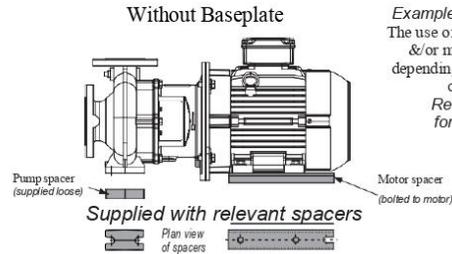
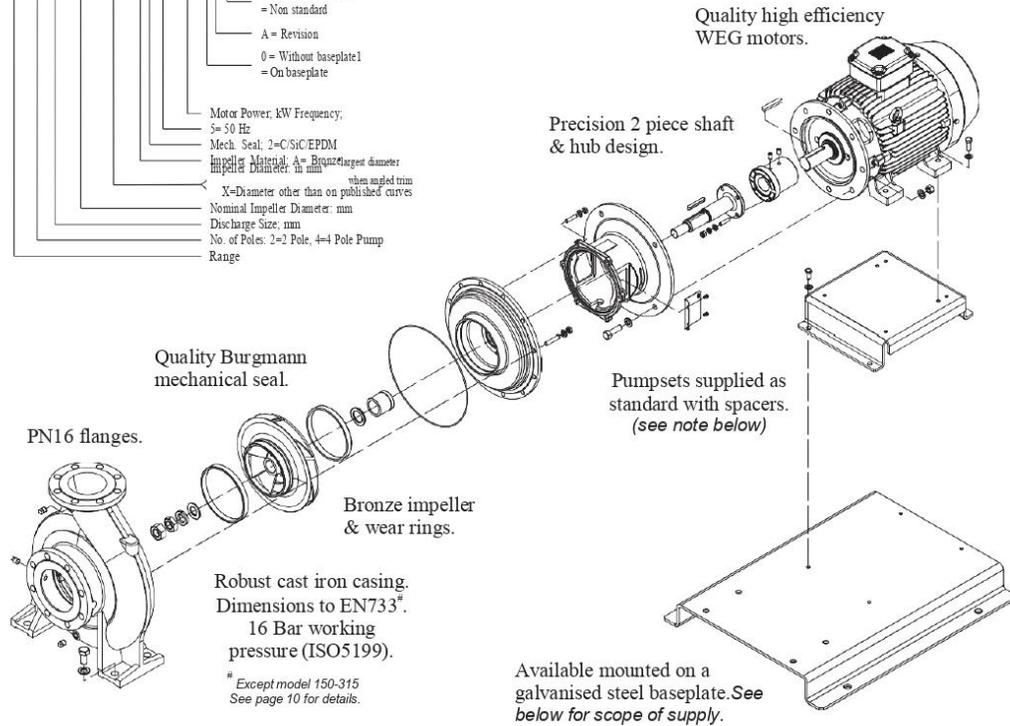
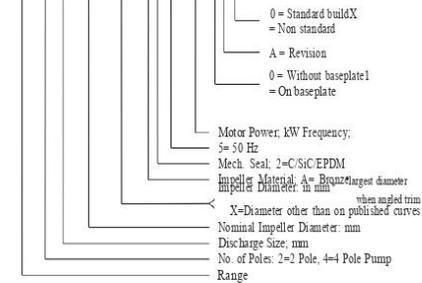
- Pump dimensions
- High efficiency hydraulic design (MEI \geq 0.6 all models)
- Cast Iron/Bronze/Stainless steel construction
- Compact close coupled design

Applications include:-

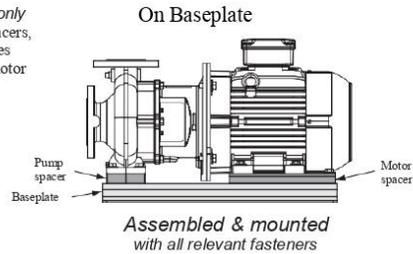
- Water supply & pressure boosting
- Building services & cooling towers
- Industrial
- Irrigation, etc.

Model code

TST171 80-250(234)A2/5 7.5/0A0



Example configuration only
The use of stays, pump spacers, &/or motor spacers varies depending on the pump/motor combination. Refer to page 11 for more details



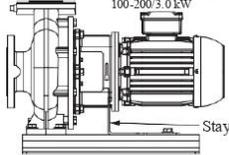
TST171 MAXFLOW PUMP

Configurations

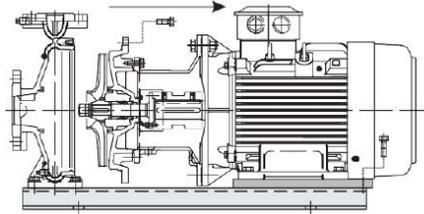
Model TST171

Pumpsets with motors over 90 frame* are fitted with spacers for ease of installation and maintenance. There are various types and combinations of spacers depending on the model. The motors are bolted to the motor spacers, so that the complete rotating element with motor and spacers is a single rigid assembly that can be "slid" back for ease of maintenance and reassembly.

* following models use a stay instead of motor spacers
 TST171-4 40-315/4.0 kW GSD4 100-160/3.0 kW
 TST171-4 100-160/2.2 kW TST171-4
 100-200/3.0 kW



All models with 90 frame motors (and the 4 models above) have a single stay as shown on the drawing.



<p>Stay Applies to 90 frame motors* 095 Stay 1A</p>	<p>Pump spacers & Motor spacers (Cast iron/paint) 5A (Folded Channel/Zn) 5B (Solid bar/paint)</p>																																																
<p>No spacers 2A</p>	<p>Motor spacers 3A (Folded Channel/Zn) 3B (Solid bar/paint) 3C (Folded Channel/Zn)</p>																																																
<p>Pump spacers 4A Front view (Cast iron/paint)</p>	<p>Motor spacer (Folded base) 6A (Folded base/paint) 6B (Folded base/Zn)</p>																																																
<p style="text-align: center;">Specifications: Stays, Motor spacers, Pump spacers</p> <table border="1"> <thead> <tr> <th>Item</th> <th>Description</th> <th>Material</th> <th>Finish</th> <th>Style</th> <th>Qty.</th> <th>Applies to</th> </tr> </thead> <tbody> <tr> <td>095</td> <td>Stay</td> <td>Folded steel</td> <td>Paint</td> <td>-</td> <td>1</td> <td>1A</td> </tr> <tr> <td rowspan="5">161</td> <td rowspan="5">Motor spacer</td> <td>Steel bar</td> <td>Paint</td> <td>Rectangular</td> <td>2</td> <td>3B, 5B</td> </tr> <tr> <td>Zn plated</td> <td></td> <td>Channel (down)</td> <td>2</td> <td>3A, 5A</td> </tr> <tr> <td>Zn plated</td> <td></td> <td>Channel (side)</td> <td>2</td> <td>3C</td> </tr> <tr> <td>Paint</td> <td></td> <td>Baseplate</td> <td>1</td> <td>6A</td> </tr> <tr> <td>Zn plated</td> <td></td> <td>Baseplate</td> <td>1</td> <td>6B</td> </tr> <tr> <td>162</td> <td>Pump spacer</td> <td>Cast iron</td> <td>Paint</td> <td>-</td> <td>2,4,6</td> <td>4A, 5A, 5B</td> </tr> </tbody> </table>		Item	Description	Material	Finish	Style	Qty.	Applies to	095	Stay	Folded steel	Paint	-	1	1A	161	Motor spacer	Steel bar	Paint	Rectangular	2	3B, 5B	Zn plated		Channel (down)	2	3A, 5A	Zn plated		Channel (side)	2	3C	Paint		Baseplate	1	6A	Zn plated		Baseplate	1	6B	162	Pump spacer	Cast iron	Paint	-	2,4,6	4A, 5A, 5B
Item	Description	Material	Finish	Style	Qty.	Applies to																																											
095	Stay	Folded steel	Paint	-	1	1A																																											
161	Motor spacer	Steel bar	Paint	Rectangular	2	3B, 5B																																											
		Zn plated		Channel (down)	2	3A, 5A																																											
		Zn plated		Channel (side)	2	3C																																											
		Paint		Baseplate	1	6A																																											
		Zn plated		Baseplate	1	6B																																											
162	Pump spacer	Cast iron	Paint	-	2,4,6	4A, 5A, 5B																																											

Specifications subject to change without notice

