



SPP Pumps Limited

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Customer :

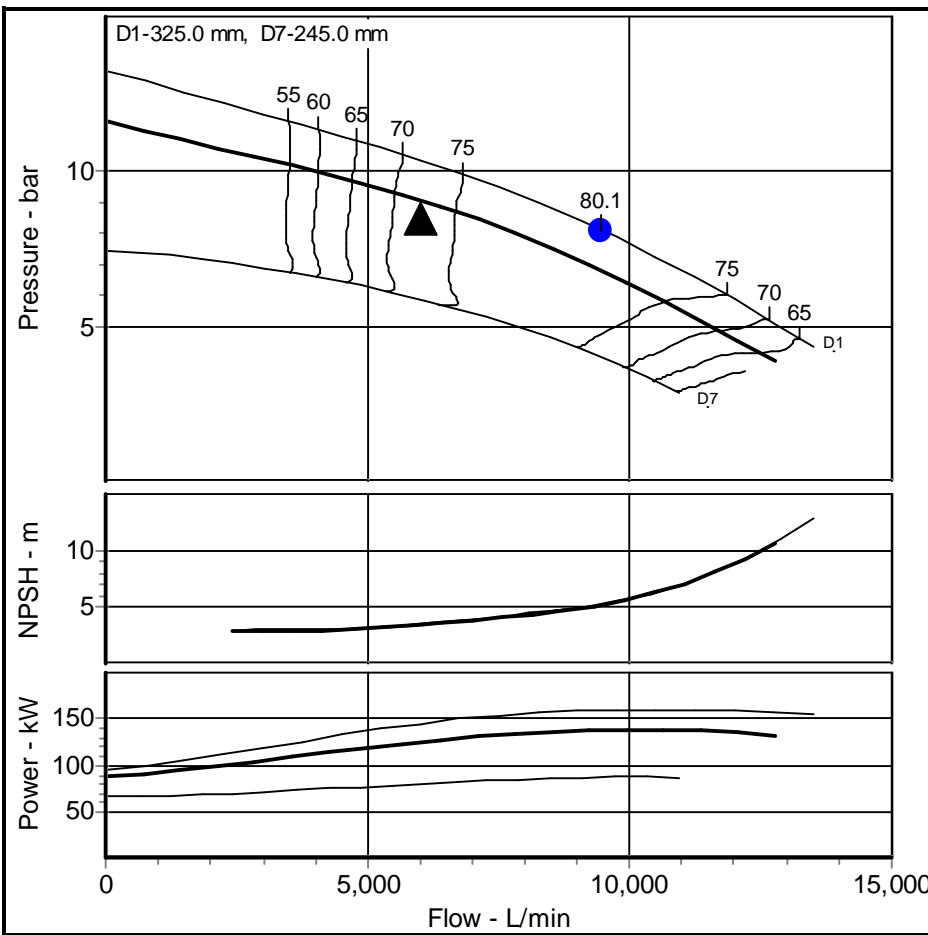
Project :  
 Quote Ref. :

Page No : 1

Contact :  
 Phone :  
 Date : Friday, September 27, 2013  
 Fax :

Type: **Horizontal Thru-Stream (LPCB Listed) - Axial Split Case**  
 Pump Model: **SPP - TD15F**  
 Pump Op. Speed: **2950 RPM, 50 Hz Electric**  
 Impeller Dia.: **304.3 mm**  
 Curve No.: **TD15F-C2950/1B-A4**  
 Market : **LPC Fire Pump (Precalculated Flows)**

Item : **1**  
 Impeller No.:  
 Liquid: **Water**  
 Temperature: **15 °C**  
 Viscosity: **1.14 cSt**  
 Sp. Gravity: **1.00**  
 Your Ref. :



100% duty flow	<b>6000 L/min</b>
Pressure at duty flow	<b>9 bar</b>
Imp. Dia.	<b>304.3 mm</b>
Power Required	<b>126.1 kW</b>
NPSH Required	<b>3.5 m</b>
Efficiency	<b>72.9 %</b>

Peak Power	<b>138.3 kW</b>
Closed Valve Pressure	<b>11.6 bar</b>
Flow at NPSHr=5.38 m	<b>9623.5 L/min</b>
<input checked="" type="checkbox"/> Add 2% Cooling	

**Comments**  
**NPSH REQUIRED at centreline of impeller. Add 0.5m to Laboratory NPSH curve for field applications**

Flow (L/min)	Head (bar)	Pump Efficiency (%)	Power Required (kW)	NPSH Required (m)
0.0	11.6	0.0	87.5	
1597.5	11.0	30.6	95.7	
3195.0	10.3	51.8	106.5	3.0
4792.5	9.7	65.6	117.8	3.1
6390.0	8.9	74.0	127.7	3.6
7987.6	7.9	77.9	134.7	4.3
9585.1	6.7	77.7	138.1	5.3
11182.6	5.4	72.9	137.2	7.3
12780.1	3.9	62.4	132.0	10.7