



SPP Pumps Limited

Crucible Close Mushet Industrial Park Coleford
Gloucestershire GL16 8PS United Kingdom

Customer :

Project :
Quote Ref. : UK-2858-11

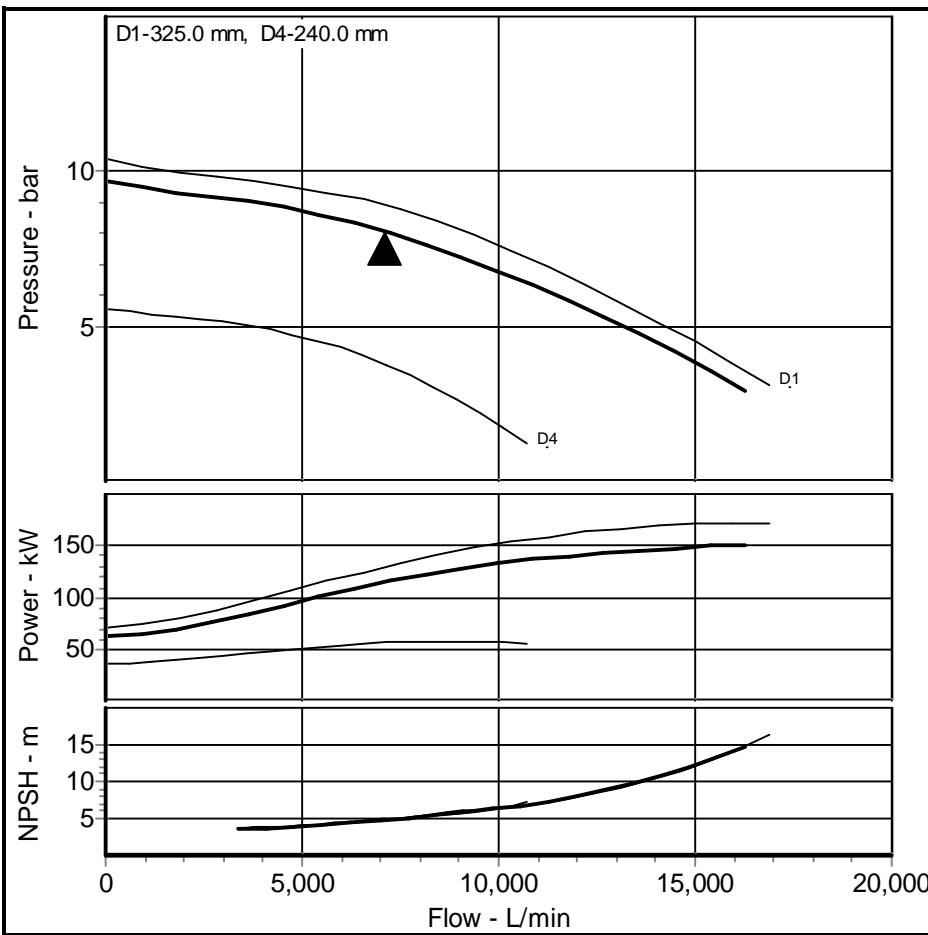
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Contact :
Phone :
Date : 22 February 2013

Fax :

Type: **Horizontal Thru-Stream (LPCB Listed) - Axial Split Case**
Pump Model: **SPP - TD15A**
Pump Op. Speed: **2500 RPM**
Impeller Dia.: **311.5 mm**
Curve No.: **TD15A-C2400/1S-C1**
Market : **LPC Fire Pump (Precalculated Flows)**

Item : **1**
Impeller No.:
Liquid: **Water**
Temperature: **15 °C**
Viscosity: **1.14 cSt**
Density: **999.1 kg/m³**
Your Ref. :



100% duty flow	7112 L/min
Pressure at duty flow	8 bar
Imp. Dia.	311.5 mm
Power Required	116.4 kW
NPSH Required	4.9 m
Efficiency	83.3 %

Peak Power	150.8 kW
Closed Valve Pressure	9.7 bar
Flow at NPSHr=5.38 m	8217.1 L/min
<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	9.7	0.0	62.3	
2037.4	9.3	44.6	70.9	
4074.8	8.9	69.4	87.5	3.7
6112.3	8.4	80.4	106.7	4.4
8149.7	7.6	84.6	122.8	5.3
10187.1	6.7	84.8	133.7	6.5
12224.5	5.6	80.7	140.9	8.2
14262.0	4.3	70.4	146.8	10.9
16299.4	2.9	52.7	150.8	14.8