



SPP Pumps Limited

Theale Cross Pincents Lane Calcot Reading Berks RG31 7SP  
 United Kingdom  
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Customer :

Project :  
 Quote Ref. : UK-100223-820

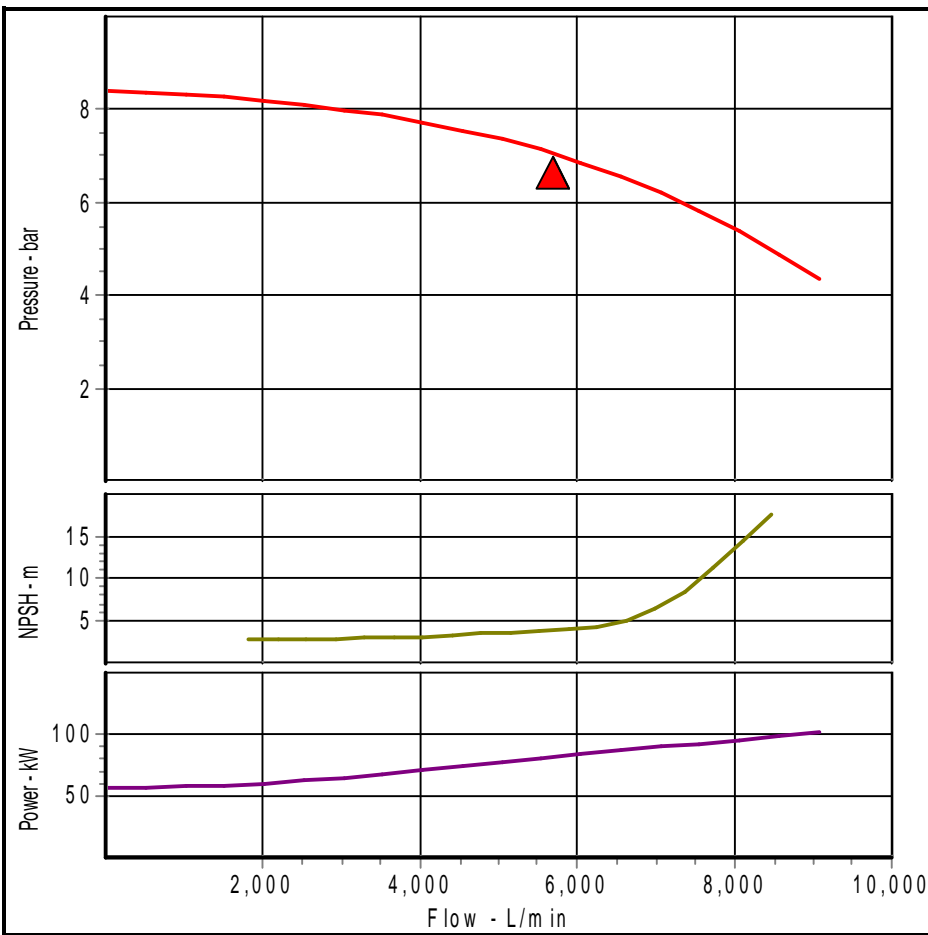
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Contact :  
 Phone :  
 Date : 02 December 2010

Fax :

Type: **Unistream (LPCB Listed) - Long Cpld End Suction**  
 Pump Model: **SPP - KP12X**  
 Pump Op. Speed: **2975 RPM**  
 Impeller Dia.: **242.2** mm  
 Curve No.: **KP12X-C2950/1B-A3**  
 Market : **LPC Fire Pump (Precalculated Flows)**

Item : **1**  
 Impeller No.:  
 Liquid: **Water**  
 Temperature: **20** °C  
 Viscosity: **1.01** cSt  
 Density: **998.2** kg/m³  
 Your Ref. :



100% duty flow	<b>5700</b> L/min
Pressure at duty flow	<b>7</b> bar
Imp. Dia.	<b>242.2</b> mm
Power Required	<b>81.7</b> kW
NPSH Required	<b>4</b> m
Efficiency	<b>83.1</b> %

Peak Power	<b>101</b> kW
Closed Valve Pressure	<b>8.4</b> bar
Flow at NPSHr=5.38 m	<b>6721.9</b> 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	8.4	0.0	57.2	
1134.5	8.3	27.3	57.6	
2269.1	8.1	50.5	61.1	2.9
3403.6	7.9	67.3	66.7	3.1
4538.1	7.6	77.9	73.5	3.4
5672.7	7.1	82.9	80.8	3.9
6807.2	6.4	82.6	88.0	5.7
7941.7	5.5	76.8	94.8	13.1
9076.3	4.3	65.1	101.0	