



SPP Pumps Limited

Theale Cross Pincents Lane Calcot Reading Berks RG31 7SP
 United Kingdom
 Mr. Bill Harris
 Phone 0118 9325208 *Ext. 5208
 Fax 0118 9323302

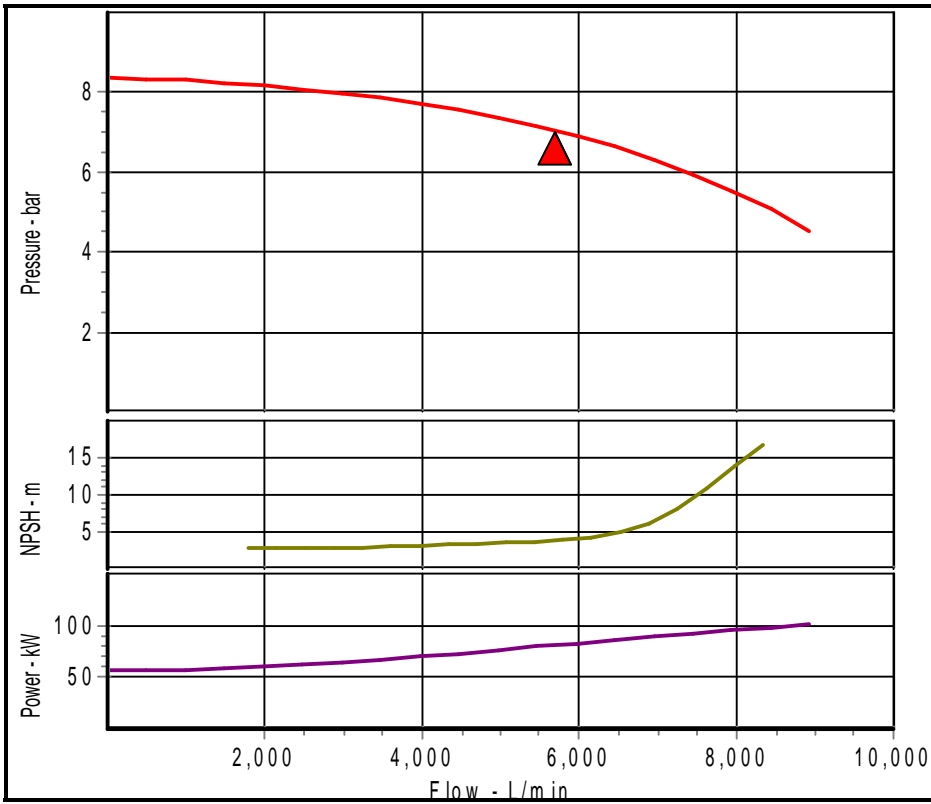
Customer :

Project :
 Quote Ref. : UK-100223-820

Page No : 1

Contact :
 Phone :
 Date : 02 December 2010
 Fax :

Type:	Unistream (LPCB Listed) - Long Cpld End Suction	Item :	1
Pump Model:	SPP - KP12X	Impeller No.:	
Pump Op. Speed:	2930 RPM	Liquid:	Water
Impeller Dia.:	245.0 mm	Temperature:	20 °C
Curve No.:	KP12X-C2950/1B-A3	Viscosity:	1.01 cSt
Market :	LPC Fire Pump (Precalculated Flows)	Density:	998.2 kg/m ³
		Your Ref. :	



100% duty flow	5700 L/min
Pressure at duty flow	7 bar
Imp. Dia.	245 mm
Power Required	81.6 kW
NPSH Required	3.9 m
Efficiency	83.3 %

Peak Power	100.7 kW
Closed Valve Pressure	8.4 bar
Flow at NPSHr=5.38 m	6682.2 L/min

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	56.6	
1117.4	8.3	27.1	57.0	
2234.7	8.1	50.1	60.5	2.7
3352.1	7.9	66.8	66.1	2.9
4469.5	7.6	77.5	72.8	3.3
5586.9	7.1	82.8	80.1	3.8
6704.2	6.5	83.1	87.4	5.5
7821.6	5.6	78.1	94.3	12.6
8939.0	4.5	67.3	100.7	