

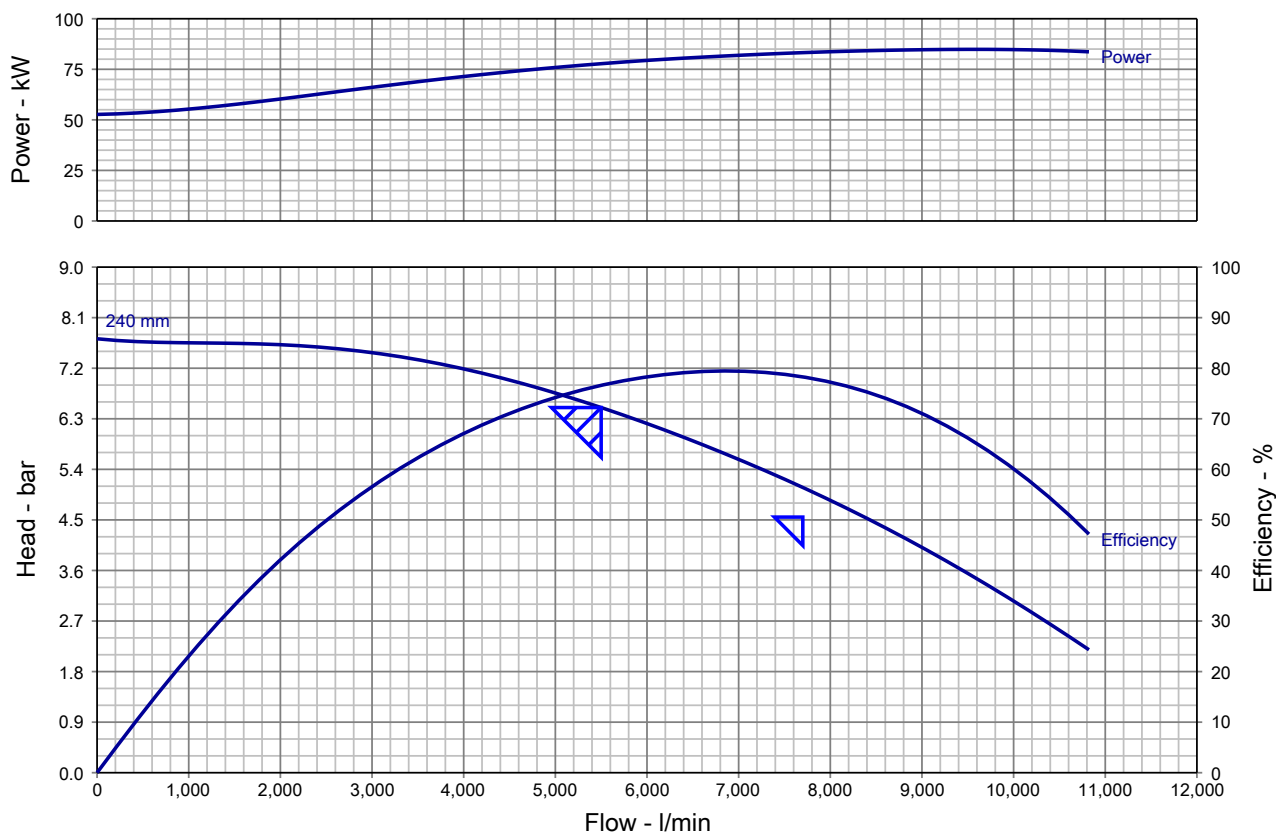
Pump Performance Datasheet

Customer	: Vatn & Veitur ehf	Quote number	: 362973
Customer enquiry	: JS-200291	Pump Size	: KP15Y
Item number	: KP15Y EN electric pump	Stages	: 1
Usage - Tertiary	:	Based on curve number	: KP15Y-FMT-C2950 Rev 1G-A4
Quantity	: 1	Date last saved	: 27 Mar 2020 10:10 AM

Operating Conditions		Liquid	
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Liquid Type/ Application	: Water
NPSH available, rated	: Ample	Additional liquid description	:
Frequency	: 50 Hz	Solids diameter, max	: 0.00 mm
Material		Solids/Bagasse/Stock consistency by volume	: 0.00 %
Material selected	: CI / Br / CS	Temperature, max	: 20.00 deg C
Performance		Fluid density, rated / max	: 1.000 / 1.000 SG
Speed, rated	: 2950 rpm	Viscosity, rated	: 1.00 cSt
Impeller diameter, rated (approx.)	: 240 mm	Vapor pressure, rated	: 0.02 bar.a
Impeller diameter, maximum	: 280 mm	Pressure Data	
Impeller diameter, minimum	: 239 mm	Maximum working pressure	: 7.72 bar.g
Cq/Ch/Ce/Cn [HI2010]	: 1.00 / 1.00 / 1.00 / 1.00	Maximum allowable working pressure	: 16.00 bar.g
Selection status	: Acceptable	Maximum allowable suction pressure	: 5.17 bar.g
		Hydrostatic test pressure	: 11.59 bar.g

LPC Fire Pump Data			
Standard	: EN12845	Tank height	: -
Group	: Calculated flows	Sprinkler height	: -
Class	: -	Add 2% cooling	: Yes
Suction conditions	: Flooded suction	0.5 bar included in MRA	
Flow value @ NPSHr 4.90 m	: -		

	Rated	Not Less Than	Not Less Than	Overload	Shutoff	NPSHr Point	MRA	MFA	QMax	Peak Power
Flow (l/min)	5,500.0	-	-	7,700.0	0.0	5,500.0	-	-	-	9,566.8
Head (bar)	6.50	-	-	4.55	7.72	6.50	-	-	-	3.48
Power (kW)	77.77	-	-	83.24	52.68	77.77	-	-	-	84.86
NPSHr (m)	-	-	-	-	-	-	-	-	-	-
Efficiency (%)	76.62	-	-	78.29	0.0	76.62	-	-	-	65.47



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			Temperature, max	: 20.00 deg C	
			Fluid density, rated / max	: 1.000 / 1.000 SG	
			Viscosity, rated	: 1.00 cSt	
			Vapor pressure, rated	: 0.02 bar.a	
Flow (l/min)	Head (bar)	Pump Efficiency (%)	Power Required (kW)	NPSH required (m)	
0.00	7.72	0.00	52.68	-	
1,352.8	7.65	30.31	56.88	-	
2,705.5	7.53	52.75	64.40	-	
4,058.3	7.17	67.59	71.72	-	
5,411.1	6.55	76.24	77.45	-	
6,763.8	5.74	79.45	81.39	-	
8,116.6	4.76	76.75	83.84	-	
9,469.3	3.58	66.54	84.85	-	
10,822.1	2.19	47.19	83.65	-	