

Pump Performance Datasheet

Customer :		Quote number :	792628
Customer reference :		Size :	LES 050-160
Item number :	Default	Stages :	1
Service :		Based on curve number :	LES 65-50-160-4-60
Quantity :	1	Date last saved :	29 Sep 2023 1:56 PM
Operating Conditions		Liquid	
Flow, rated :	48.00 m3/h	Liquid type :	Water
Differential head / pressure, rated (requested) :	21.69 m	Additional liquid description :	
Differential head / pressure, rated (actual) :	22.10 m	Solids diameter, max :	0.0 mm
Suction pressure, rated / max :	0.00 / 0.00 bar.g	Solids concentration, by volume :	0.00 %
NPSH available, rated :	Ample	Temperature, max :	20.00 deg C
Site Supply Frequency :	50 Hz	Fluid density, rated / max :	0.999 / 0.999 kg/dm3
Performance		Viscosity, rated :	1.00 cSt
Speed criteria :	Synchronous	Vapor pressure, rated :	0.00 bar.a
Speed, rated :	2915 rpm	Material	
Impeller diameter, rated :	138 mm	Material selected :	Standard
Impeller diameter, maximum :	174 mm	Pressure Data	
Impeller diameter, minimum :	137 mm	Maximum working pressure :	2.45 bar.g
Efficiency :	72.73 %	Maximum allowable working pressure :	16.00 bar.g
NPSH required / margin required :	4.12 / 0.00 m	Maximum allowable suction pressure :	2.50 bar.g
nq (imp. eye flow) / S (imp. eye flow) :	24 / 105 Metric units	Hydrostatic test pressure :	24.00 bar.g
MCSF :	-	Driver & Power Data (@Max density)	
Head, maximum, rated diameter :	25.04 m	Driver sizing specification :	Maximum power
Head rise to shutoff :	15.43 %	Margin over specification :	0.00 %
Flow, best eff. point :	44.44 m3/h	Service factor :	1.00 (used)
Flow ratio, rated / BEP :	108.01 %	Power, hydraulic :	2.83 kW
Diameter ratio (rated / max) :	79.31 %	Power, rated :	3.89 kW
Head ratio (rated dia / max dia) :	56.69 %	Power, maximum, rated diameter :	4.04 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010] :	1.00 / 1.00 / 1.00 / 1.00	Minimum recommended motor rating :	4.10 kW / 5.50 hp
Selection status :	Acceptable		

Performance based on test acceptance - ISO 9906:2012 3B. Performances are subject to periodic changes due to continuous improvements.

