

## Pump Performance Datasheet

Customer :	Quote number : 792628
Customer reference :	Size : LES 080-250
Item number : Default	Stages : 1
Service :	Based on curve number : LES 100-80-250-2-60 Rev 01/06-22
Quantity : 1	Date last saved : 29 Sep 2023 1:16 PM

Operating Conditions	Liquid
Flow, rated : 228.0 m3/h	Liquid type : Water
Differential head / pressure, rated (requested) : 76.00 m	Additional liquid description :
Differential head / pressure, rated (actual) : 76.41 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	Material
Speed criteria : Synchronous	Material selected : Standard
Speed, rated : 2875 rpm	
Impeller diameter, rated : 263 mm	
Impeller diameter, maximum : 264 mm	
Impeller diameter, minimum : 206 mm	
Efficiency : 76.40 %	
NPSH required / margin required : 18.87 / 0.00 m	
nq (imp. eye flow) / S (imp. eye flow) : 25 / 107 Metric units	
MCSF : -	
Head, maximum, rated diameter : 98.44 m	
Head rise to shutoff : 29.48 %	
Flow, best eff. point : 206.1 m3/h	
Flow ratio, rated / BEP : 110.63 %	
Diameter ratio (rated / max) : 99.62 %	
Head ratio (rated dia / max dia) : 97.38 %	
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010] : 1.00 / 1.00 / 1.00 / 1.00	
Selection status : Acceptable	
Pressure Data	
Maximum working pressure : 9.64 bar.g	
Maximum allowable working pressure : 16.00 bar.g	
Maximum allowable suction pressure : 2.50 bar.g	
Hydrostatic test pressure : 24.00 bar.g	
Driver & Power Data (@Max density)	
Driver sizing specification : Rated power	
Margin over specification : 0.00 %	
Service factor : 1.00 (used)	
Power, hydraulic : 47.13 kW	
Power, rated : 61.69 kW	
Power, maximum, rated diameter : 65.92 kW	
Minimum recommended motor rating : 74.57 kW / 100.00 hp	

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

