

Customer :
Reference :

Pump Performance Datasheet

Item number	: 007	Size	: PMP27882
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	:
Quote number	: 285768	Date last saved	: 31 Oct 2016 3:31 PM

Operating Conditions		Liquid	
Flow, rated	: 72.00 USgpm	Liquid type	: Water
Differential head / pressure, rated (requested)	: 130.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 131.9 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG
Performance		Material	
Speed, rated	: 1750 rpm	Material selected	: Cast iron-304ss fitted
Impeller diameter, rated	: 11.94 in	Pressure Data	
Impeller diameter, maximum	: 13.00 in	Maximum working pressure	: 65.19 psi.g
Impeller diameter, minimum	: 10.00 in	Maximum allowable working pressure	: 200.0 psi.g
Efficiency	: 35.64 %	Maximum allowable suction pressure	: N/A
NPSH required / margin required	: 5.39 / 0.50 ft	Hydrostatic test pressure	: 300.0 psi.g
Ns (total flow) / Nss (imp. eye flow)	: 367 / 4,068 US Units	Driver & Power Data	
MCSF	: -	Driver sizing specification	: Maximum power
Head, maximum, rated diameter	: 150.6 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 15.84 %	Service factor	: 1.15
Flow, best eff. point	: 75.18 USgpm	Power, hydraulic	: 2.36 hp
Flow ratio, rated / BEP	: 95.78 %	Power, rated	: 6.63 hp
Diameter ratio (rated / max)	: 91.83 %	Power, maximum, rated diameter	: 7.41 hp
Head ratio (rated dia / max dia)	: 76.27 %	Minimum recommended motor rating	: 7.50 hp / 5.59 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

