

Item number	: 007	Size	: PMP27866
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: PMP27866
Quote number	: 285768	Date last saved	: 01 Nov 2016 9:10 AM

Operating Conditions		Liquid	
Flow, rated	: 240.0 USgpm	Liquid type	: Water
Differential head / pressure, rated (requested)	: 130.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 130.6 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	: 11.81 in	Pressure Data	
Impeller diameter, maximum	: 12.87 in	Maximum working pressure	: 63.37 psi.g
Impeller diameter, minimum	: 10.00 in	Maximum allowable working pressure	: 200.0 psi.g
Efficiency	: 63.06 %	Maximum allowable suction pressure	: N/A
NPSH required / margin required	: 9.97 / 0.50 ft	Hydrostatic test pressure	: 300.0 psi.g
Ns (total flow) / Nss (imp. eye flow)	: 657 / 5,053 US Units	Driver & Power Data	
MCSF	: -	Driver sizing specification	: Maximum power
Head, maximum, rated diameter	: 146.4 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 12.64 %	Service factor	: 1.15
Flow, best eff. point	: 247.1 USgpm	Power, hydraulic	: 7.88 hp
Flow ratio, rated / BEP	: 97.11 %	Power, rated	: 12.49 hp
Diameter ratio (rated / max)	: 91.75 %	Power, maximum, rated diameter	: 15.05 hp
Head ratio (rated dia / max dia)	: 80.07 %	Minimum recommended motor rating	: 20.00 hp / 14.91 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

