

Item number	: 007	Size	: PMP27816
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	:
Quote number	: 285768	Date last saved	: 31 Oct 2016 3:34 PM

Operating Conditions		Liquid	
Flow, rated	: 144.0 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		Viscosity, rated	: 1.00 cP
Speed, rated	: 1750 rpm	Vapor pressure, rated	: 0.34 psi.a
Impeller diameter, rated	: 11.31 in	Material	
Impeller diameter, maximum	: 12.87 in	Material selected	: Cast iron-304ss fitted
Impeller diameter, minimum	: 10.00 in	Pressure Data	
Efficiency	: 55.39 %	Maximum working pressure	: 57.79 psi.g
NPSH required / margin required	: 9.10 / 0.50 ft	Maximum allowable working pressure	: 200.0 psi.g
Ns (total flow) / Nss (imp. eye flow)	: 657 / 5,053 US Units	Maximum allowable suction pressure	: N/A
MCSF	: -	Hydrostatic test pressure	: 300.0 psi.g
Head, maximum, rated diameter	: 133.5 ft	Driver & Power Data	
Head rise to shutoff	: 2.70 %	Driver sizing specification	: Maximum power
Flow, best eff. point	: 234.2 USgpm	Margin over specification	: 0.00 %
Flow ratio, rated / BEP	: 61.48 %	Service factor	: 1.15
Diameter ratio (rated / max)	: 87.86 %	Power, hydraulic	: 4.73 hp
Head ratio (rated dia / max dia)	: 74.33 %	Power, rated	: 8.53 hp
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Power, maximum, rated diameter	: 13.22 hp
Selection status	: Acceptable	Minimum recommended motor rating	: 15.00 hp / 11.19 kW

