

Pump Performance Datasheet

Customer	:		Quote number	:	
Customer reference	:		Size	:	6T30-225
Item number	:	Default	Stages	:	12
Service	:		Based on curve number	:	6T30-225(12@4.502x3.83)
Quantity	:	1	Date last saved	:	25 Jul 2013 11:46 AM

Operating Conditions		Liquid	
Flow, rated	: 180.0 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 540.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 545.2 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	: 3,450 rpm	Vapor pressure, rated	: 0.00 psi.a
Impeller diameter, rated	: 4.17 in	Material	
Impeller diameter, maximum	: 4.17 in	Material selected	: Not specified
Impeller diameter, minimum	: 4.17 in	Pressure Data	
Efficiency	: 74.75 %	Maximum working pressure	: 334.9 psi.g
NPSH required / margin required	: - / 0.00 ft	Maximum allowable working pressure	: 580.0 psi.g
nq (imp. eye flow) / S (imp. eye flow)	: N/A Metric units	Maximum allowable suction pressure	: N/A
MCSF	: 100.0 USgpm	Hydrostatic test pressure	: N/A
Head, maximum, rated diameter	: 773.7 ft	Driver & Power Data	
Head rise to shutoff	: 41.91 %	Driver sizing specification	: Rated power
Flow, best eff. point (BEP)	: 224.9 USgpm	Margin over specification	: 0.00 %
Flow ratio (rated / BEP)	: 80.04 %	Service factor	: 1.15 (used)
Diameter ratio (rated / max)	: 100.00 %	Power, hydraulic	: 24.78 hp
Head ratio (rated dia / max dia)	: 100.00 %	Power, rated	: 33.15 hp
Cq/Ch/Ce [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00	Power, maximum, rated diameter	: 33.48 hp
Selection status	: Acceptable	Minimum recommended motor rating	: 30.00 hp / 22.37 kW (Fixed)

