

Pump Performance Datasheet

Customer :		Quote Number / ID :	819328
Customer ref. / PO :		Model :	15705 LC
Tag Number :	15705LC	Stages :	1
Service :		Based on curve number :	RC2188-SS Rev 0
Quantity :	1	Date last saved :	06/18/2018 1:54 PM
Operating Conditions		Liquid	
Flow, rated	: 150.0 USgpm	Liquid type	: Cold Water
Differential head / pressure, rated (requested)	: 115.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 114.9 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		Viscosity, rated	: 1.00 cP
Speed, rated	: 3530 rpm	Vapor pressure, rated	: 0.34 psi.a
Impeller diameter, rated	: 5.71 in	Material	
Impeller diameter, maximum	: 7.10 in	Material selected	: Cast iron
Impeller diameter, minimum	: 5.00 in	Pressure Data	
Efficiency	: 68.28 %	Maximum working pressure	: 56.57 psi.g
NPSH required / margin required	: 15.05 / 0.00 ft	Maximum allowable working pressure	: 175.0 psi.g
nq (imp. eye flow) / S (imp. eye flow)	: 21 / 116 Metric units	Maximum allowable suction pressure	: 175.0 psi.g
MCSF	: 63.39 USgpm	Hydrostatic test pressure	: 263.0 psi.g
Head, maximum, rated diameter	: 130.7 ft	Driver & Power Data (@Max density)	
Head rise to shutoff	: 11.71 %	Motor sizing specification	: Max power (non-overloading)
Flow, best eff. point	: 166.3 USgpm	Margin over specification	: 0.00 %
Flow ratio, rated / BEP	: 90.17 %	Service factor	: 1.00
Diameter ratio (rated / max)	: 80.42 %	Power, hydraulic	: 4.35 hp
Head ratio (rated dia / max dia)	: 56.35 %	Rated power (based on duty point)	: 6.38 hp
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Max power (non-overloading)	: 7.63 hp
Selection status	: Acceptable	Nameplate motor rating	: 10.00 hp / 7.46 kW

