

Pump Performance Datasheet

Customer	: American Tank & Vessel, Inc.	Sulzer Reference ID	: GHA.0046-ATL.10.0045-P0 R1
Inquiry Number/ID	:	Type / Size	: CPT 23-3 (4x3x11) (O)
Item number	: P-3010/13/14/15/16/17 50 hz VFD	Stages	: 1
Service	: Gasoline and Diesel	Based on curve number	: K17547 Rev 1
Quantity	: 5	Date of Last Update	: 14 Jun 2010 4:49 PM

Operating Conditions		Liquid	
Flow, rated	: 145.2 m3/h	Liquid type	: Water
Differential head / pressure, rated (requested)	: 62.20 m	Additional liquid description	: Diesel or Gasoline
Differential head / pressure, rated (actual)	: 62.24 m	Solids diameter, max	: 0.000 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Temperature, max	: 68.00 deg F
NPSH available, rated	: Ample	Fluid density, rated / max	: 0.800 / 0.800 SG
Frequency	: 50 Hz	Viscosity, rated	: 1.00 cP
Performance		:	

Performance		Material	
Speed, rated	: 2,226 rpm	Material requested	: Auto
Impeller diameter, rated	: 11.000 in	Material selected	: 41 ASTM A890 3A - Duplex SS
Impeller diameter, maximum	: 11.000 in		
Impeller diameter, minimum	: 7.000 in		

Impeller diameter, minimum	: 73.66 in	
Efficiency	: 68.29 %	
NPSH required / margin required	: 13.16 / 0.00 ft	
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,258 / 7,380 US Units	
MCSF	: 38.13 m3/h	
Head, maximum, rated diameter	: 66.93 m	

Pressure Data	
Maximum working pressure	: 76.16 psi.g
Maximum allowable working pressure	: 290.0 psi.g
Maximum allowable suction pressure	: 290.1 psi.g
Hydrostatic test pressure	: N/A

Head, maximum, rated diameter	: 7.53 %
Head rise to shutoff	: 184.9 m3/h
Flow, best eff. point (BEP)	: 78.51 %
Flow ratio (rated / BEP)	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce [ANSI/HI 9.6.7-2004]	: 1.00 / 1.00 / 1.00
Selection status	: Acceptable

