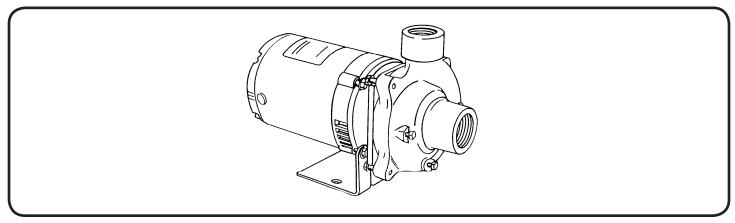
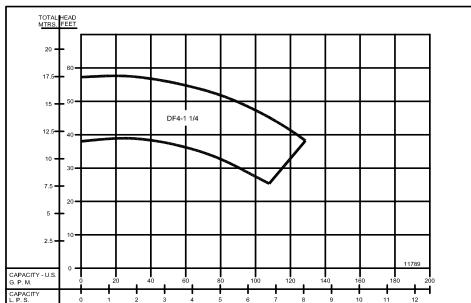




Close Coupled Centrifugal Pumps



3450 RPM - 60Hz. CAPACITIES TO 120 GPM (7.6 LPS) HEADS TO 55 FEET (16.8M)

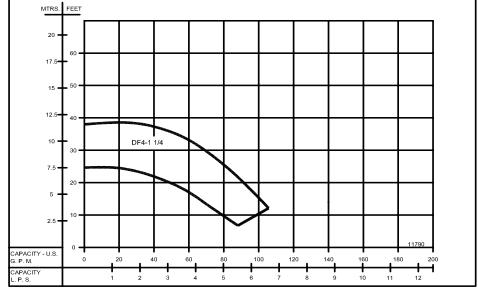




Individual performance curves should be checked for final selection.

2900 RPM - 50Hz.

HEADS TO 36 FEET (11 M)





PUMPS & SYSTEMS

SECTION 2C PAGE DATE 1/06 **Features**



Close Coupled Centrifugal Pumps

FOUR POSITION CASING

Centerline discharge can be located in any of four positions. Back pull-out design eliminates the need to disturb piping should the pump ever require service - the casing stays in the line.

ENCLOSED IMPELLER

Of the latest hydraulic design for maximum efficiency, impeller is balanced for vibration-free operation and threaded onto stainless steel motor shaft.

MECHANICAL SHAFT SEAL

Standard self-adjusting shaft seal for temperatures to 225°F (107°C) and pressures to 150 psi (1034kpa). Ceramic seat and carbon seal face for long trouble-free service. Special seals are available for higher temperatures and fluids other than water.

MOTORS

Standard pump motors have open drip proof construction and are rated with jet pump service factors for continuous duty operation. Motors are 56 frame size with NEMA standard mounting flange, one piece threaded stainless steel shaft and ball/ball bearing construction.

FACTORY TESTED

After careful assembly and inspection, EVERY pump is factory tested and will meet Hydraulic Institute standards.

MAXIMUM OPERATING CONDITIONS								
TEMPERATURE	225°F (107°C)							
(For Standard Buna-N Seal)								
INLET PRESSURE	100 PSI (689kPa)							
CASING WORKING PRESSURE	200 PSI (1379kPa)							

MOTOR INFORMATION

60 Hz - 3500 RPM - ODP Single Phase: 115/230 Volt Three Phase: 208-230/460 Volt

50 Hz - 2900 RPM - ODP Single Phase: 110/220 Volt Three Phase: 380 Volt

Voltages may differ from some suppliers. Consult factory.

OVERLOAD PROTECTION

All single phase ODP and Totally Enclosed motors have built-in overload protection. All three phase motors and all explosion proof motors must be installed with a magnetic starter which provides full 3-leg protection. Failure to use correct starter and overloads will void motor warranty.

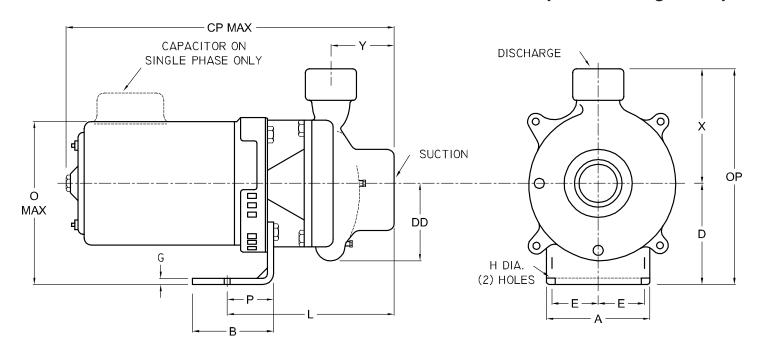
MATERIALS OF CONSTRUCTION											
PART	ALL IRON	BRONZE FITTED	ALL BRONZE								
Adapter	Cast Iron	Cast Iron	Bronze								
Casing	Cast Iron	Cast Iron	Bronze								
Impeller	Cast Iron	Bronze	Bronze								
Shaft	#303 Stainless	#303 Stainless	#303 Stainless								
Shaft Seal	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N								



Dimensions



Close Coupled Centrifugal Pumps



	DIMENSIONS IN INCHES (mm)																
MODEL	MOTOR FRAME SIZE	DISC NPT	SUCT. NPT	A	В	СР	D	DD	Е	G	Ħ	L	0	ОР	Р	Х	Y
DF4-11/4	56	1¼	1½	4 ⁷ / ₈ (124)	5 (127)	16 ¹ / ₁₆ (421)	4¾ (121)	31/ ₈ (79)	1 ¹⁵ / ₁₆ (49)	³ / ₁₆ (4.7)	½ (13)	7¾ (197)	8 ¹ / ₁₆ (217)	9% (251)	2 ⁵ / ₁₆ (59)	51% (130)	31/ ₈ (79)

DIMENSIONS SHOWN ABOVE ARE APPROXIMATE MAXIMUM DIMENSIONS FOR STANDARD PUMPS EQUIPPED WITH ODP MOTORS.

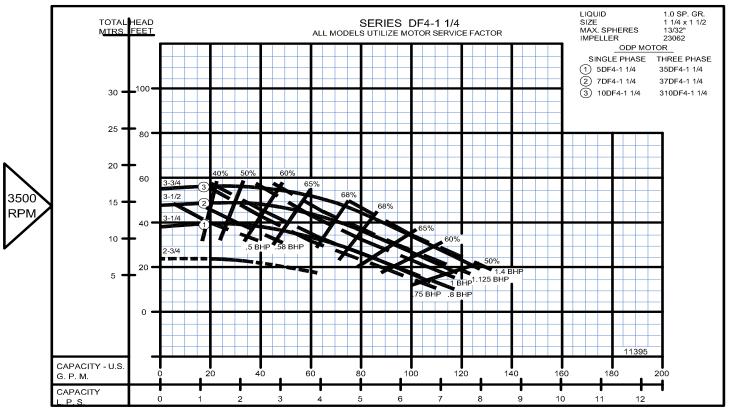
SECTION 2C **PAGE** 1/06 DATE

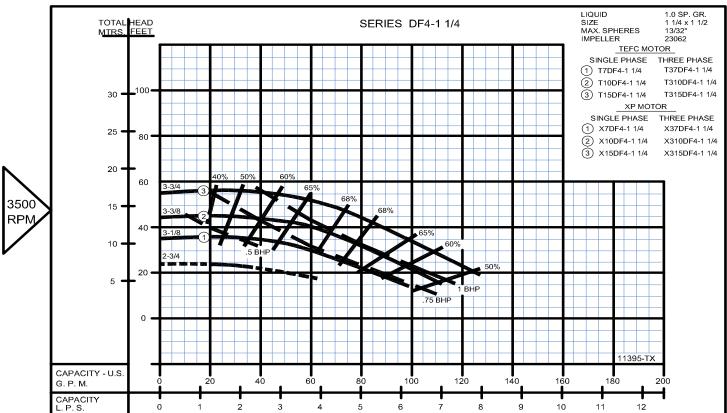
Series: DF4-11/4

60 Hz. Performance



Close Coupled Centrifugal Pumps





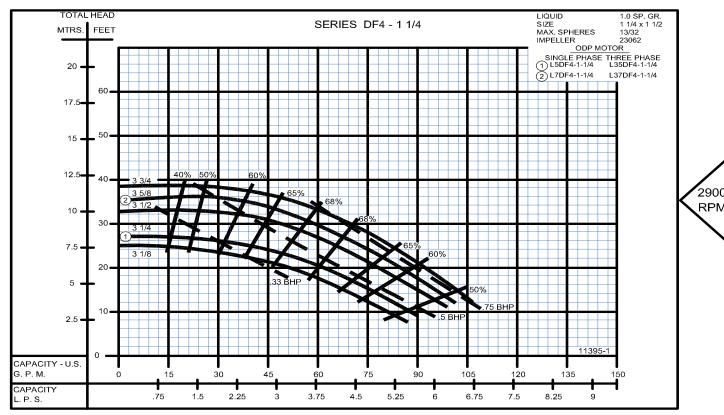
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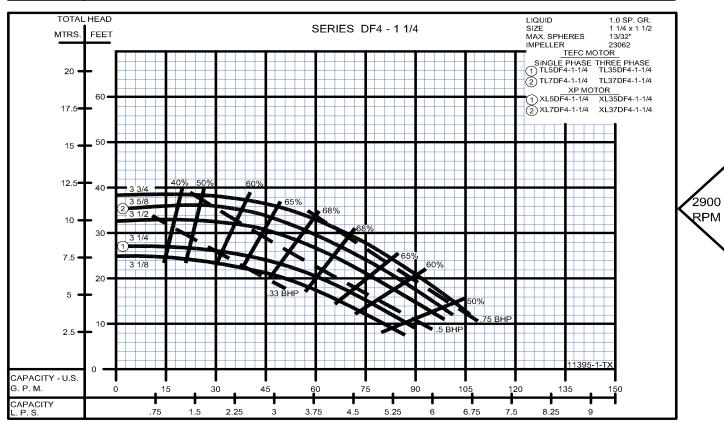






Close Coupled Centrifugal Pumps







PUMPS & SYSTEMS

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