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REPLACES	12/01



420 Third Street
Piqua, Ohio 45356-0603
Phone: (937) 778-8947 Fax: (937) 773-7157

FEATURES

- 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 (For Standard Buna-N Seal)	225°F (107°C)
INLET PRESSURE	100 PSI (433kpa)
CASING WORKING PRESSURE	200 PSI (1379kpa)

MOTOR INFORMATION

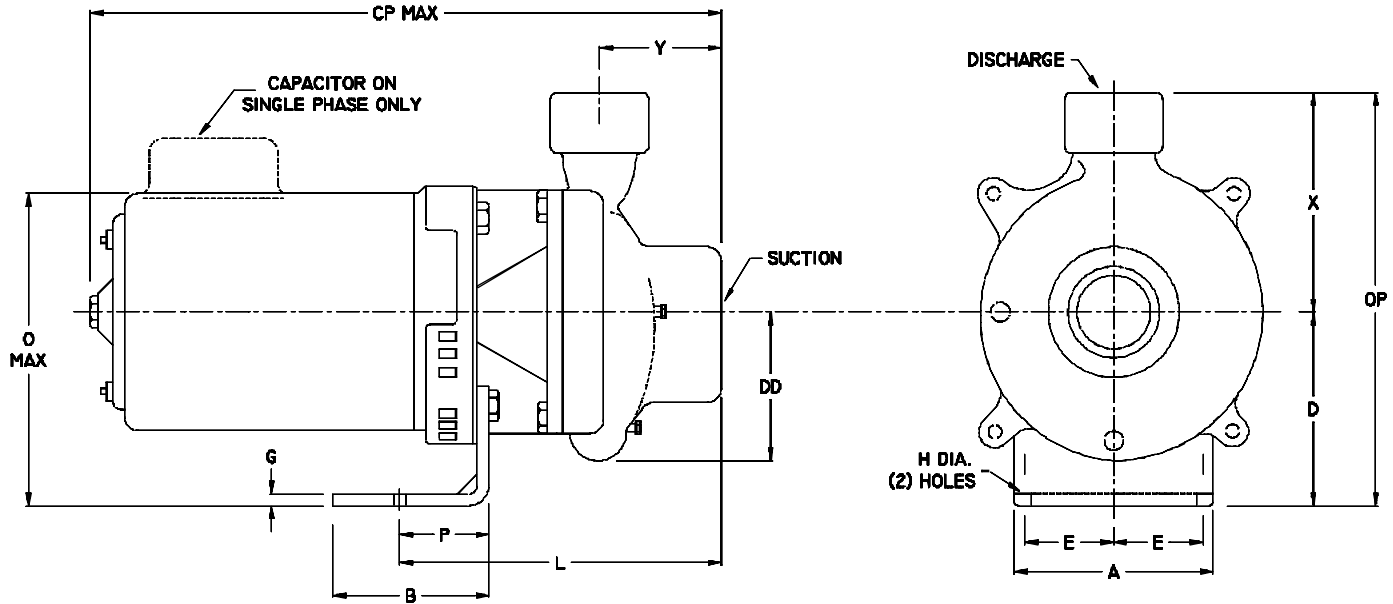
60 Hz - 3500 RPM - ODP
Single Phase: 115/230 Volt
Three Phase: 208-230/460 Volt
 50 Hz - 2900 RPM - ODP
Single Phase: 110/220 Volt
Three Phase: 380 Volt

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
Shaft	#303 Stainless	#303 Stainless	#303 Stainless
Impeller	Cast Iron	Bronze	Bronze
Shaft Seal	Carbon-Ceramic S. Steel-Buna-N	Carbon-Ceramic S. Steel-Buna-N	Carbon-Ceramic S. Steel-Buna-N

DIMENSIONS



DIMENSIONS IN INCHES																	
MODEL	MOTOR FRAME SIZE	DISC NPT	SUCT. NPT	A	B	CP	D	DD	E	G	H	L	O	OP	P	X	Y
DF4-1 ¹ / ₄	56	1 ¹ / ₄	1 ¹ / ₂	4 ⁷ / ₈	5	16 ⁹ / ₁₆	4 ³ / ₄	3 ¹ / ₈	1 ¹⁵ / ₁₆	3 ³ / ₁₆	1 ¹ / ₂	7 ³ / ₄	8 ⁹ / ₁₆	9 ⁷ / ₈	2 ⁵ / ₁₆	5 ¹ / ₈	3 ¹ / ₈

DIMENSIONS IN MILLIMETERS (mm)																	
MODEL	MOTOR FRAME SIZE	DISC NPT	SUCT. NPT	A	B	CP	D	DD	E	G	H	L	O	OP	P	X	Y
DF4-1 ¹ / ₄	56	1 ¹ / ₄	1 ¹ / ₂	124	127	421	121	79	49	4.7	13	197	217	251	59	130	79

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

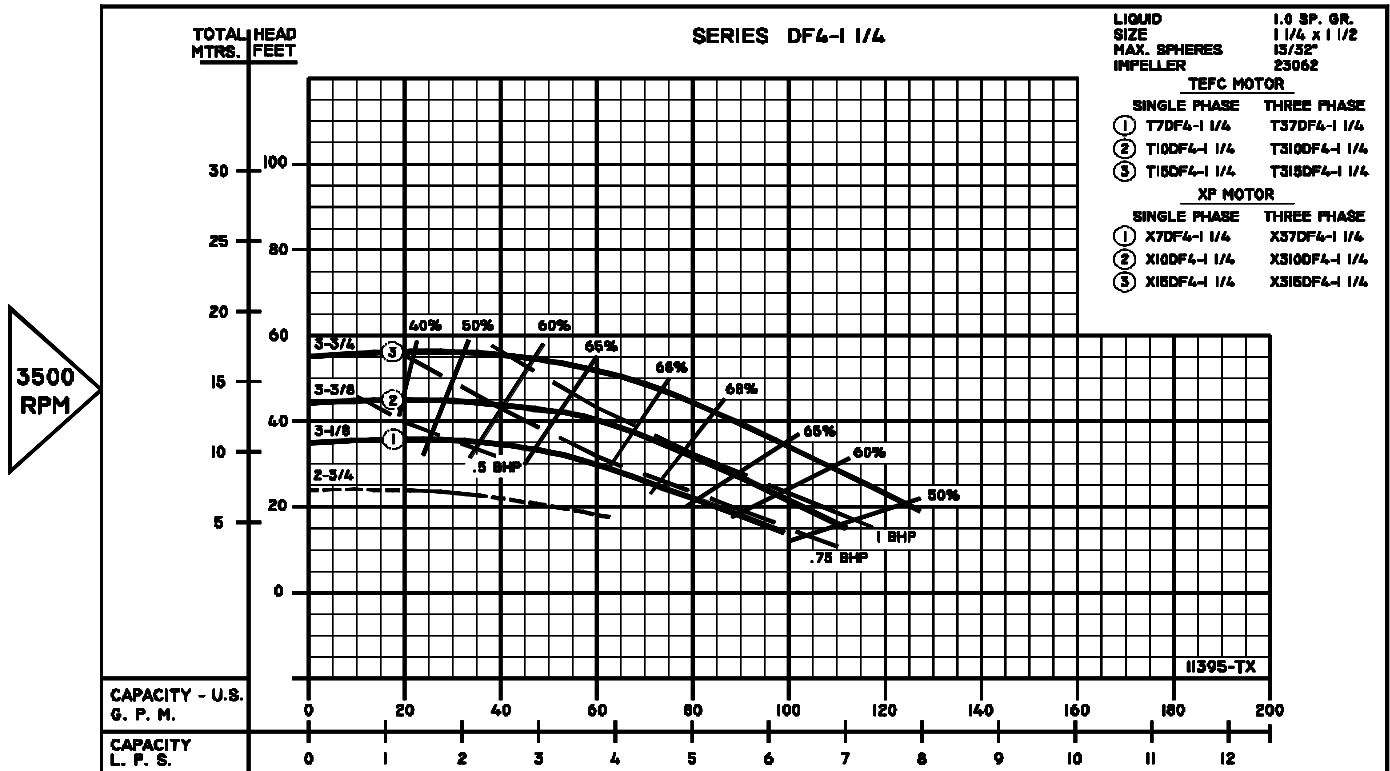
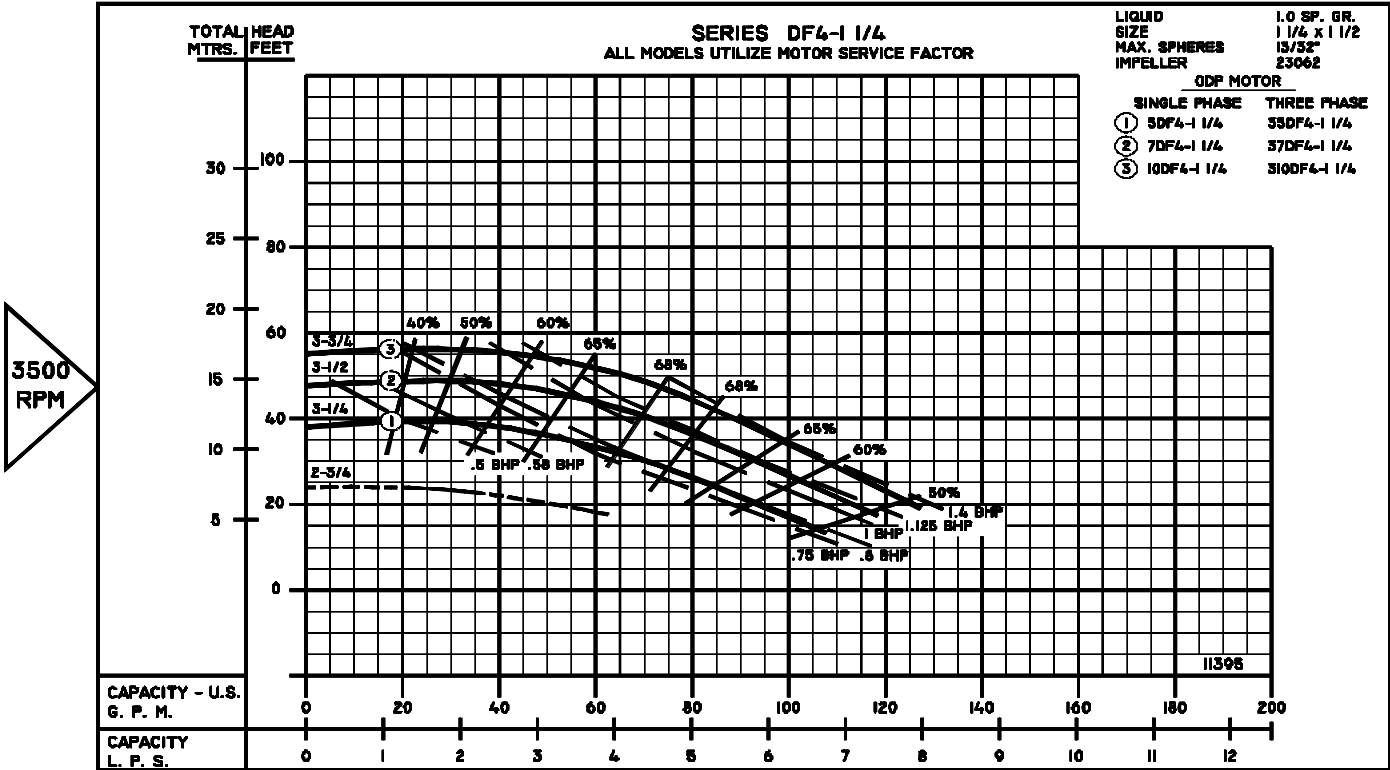
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60HZ PERFORMANCE CURVE



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END SUCTION CENTRIFUGAL PUMPS



PUMPS & SYSTEMS

A Crane Co. Company

**50HZ
 PERFORMANCE CURVE**

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END SUCTION CENTRIFUGAL PUMPS

