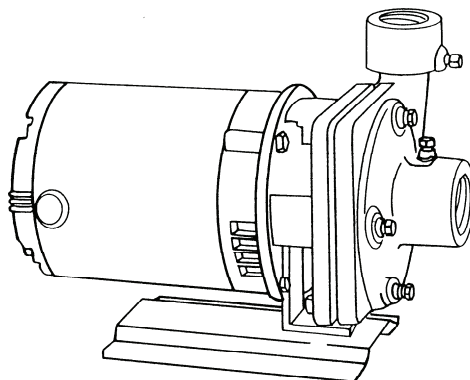


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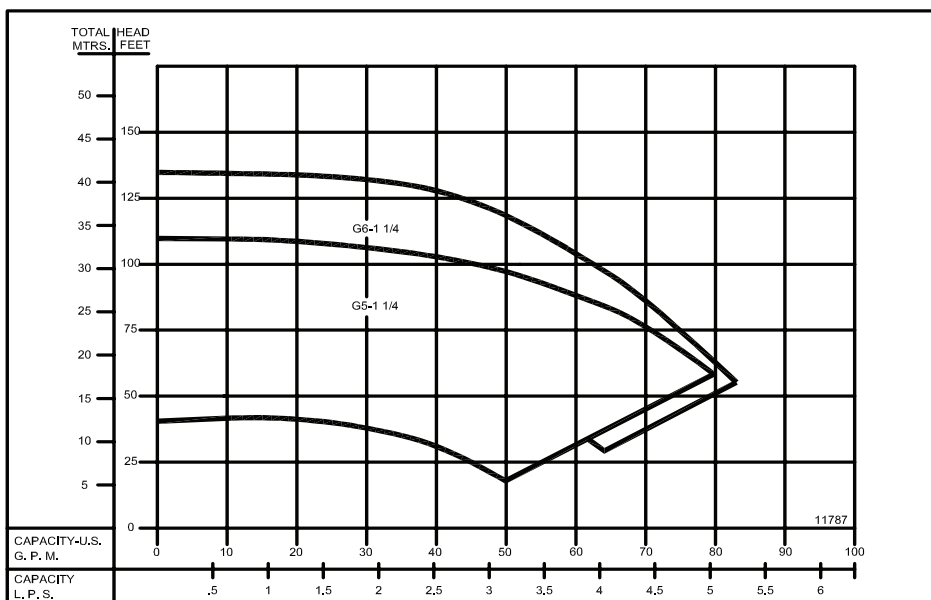
Series: G5-1¼, G6-1¼

Close Coupled End Suction



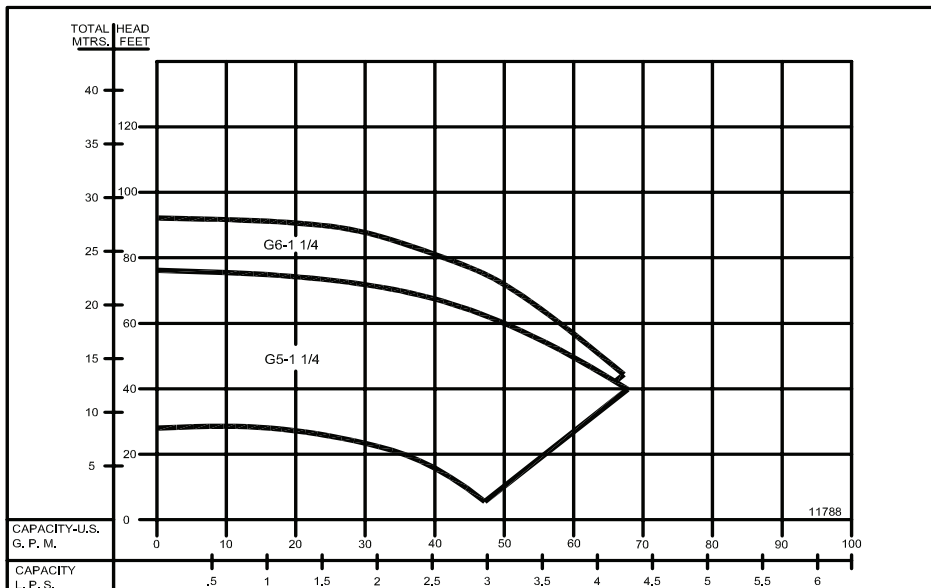
3500 RPM - 60Hz.

CAPACITIES TO 80 GPM (5 LPS)
HEADS TO 135 FEET (41 M)



2900 RPM - 50Hz.

CAPACITIES TO 68 GPM (4.3 LPS)
HEADS TO 92 FEET (28 M)



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Series: G5-1¼, G6-1¼

Features



Close Coupled End Suction

FOUR POSITION CASING

Discharge can be located in any of four positions. Casing is close grain iron of 30,000 psi minimum tensile strength. Back pull-out design eliminates the need to disturb piping should the pump ever require service - the casing stays in the line.

REPLACEABLE CASING WEAR RING

Prevents wear on casing and is easy to replace.

EASY TO SERVICE

Taking out only 4 cap screws allows removal of pumping assembly without disturbing piping.

ENCLOSED BRONZE IMPELLER

Enclosed bronze impeller is of latest hydraulic design for maximum efficiency. It 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 (689kPa)
CASING WORKING PRESSURE	200 PSI (1379kPa)

MOTOR INFORMATION

60 Hz - 3500 RPM - QDP

Single Phase: 1/3 thru 2 Hp. - 115/230 Volt

3 Hp. - 230 Volt only

Three Phase: 1/3 thru 3 Hp. - 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

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.

**JACKETED SEAL CAVITY
FOR TEMPERATURES TO 500°F (260°C).**

Series G5-1-1/4 & G6-1-1/4 Pumps are available in a Jacketed Seal Cavity design for pumping hot oil, hot water and heat transfer fluids in common use in high temperature heating or cooling applications. This feature greatly extends seal life in high temperature applications. To order, add suffix "MJ" to pump catalog number for temperatures below 400°F (204°C) and add suffix "MJK" to pump catalog number for temperatures over 400°F (204°C). Example: G5-1-1/4MJ. See Section on High Temperature Pumps for more information

MATERIALS OF CONSTRUCTION

MATERIALS OF CONSTRUCTION				
PART	ALL IRON	BRONZE FITTED	ALL BRONZE	* STAINLESS STEEL
Adapter	Cast Iron	Cast Iron	Bronze	#316 Stainless
Casing	Cast Iron	Cast Iron	Bronze	#316 Stainless
Casing Wear Ring	Steel	Bronze	Bronze	#316 Stainless
Impeller	Cast Iron	Bronze	Bronze	#316 Stainless
Shaft	#303 Stainless	#303 Stainless	#303 Stainless	#303 Stainless
Shaft Seal	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N	Carbon-Ceramic SS - Buna-N

(*) G5-1¼ ONLY



WARNING:

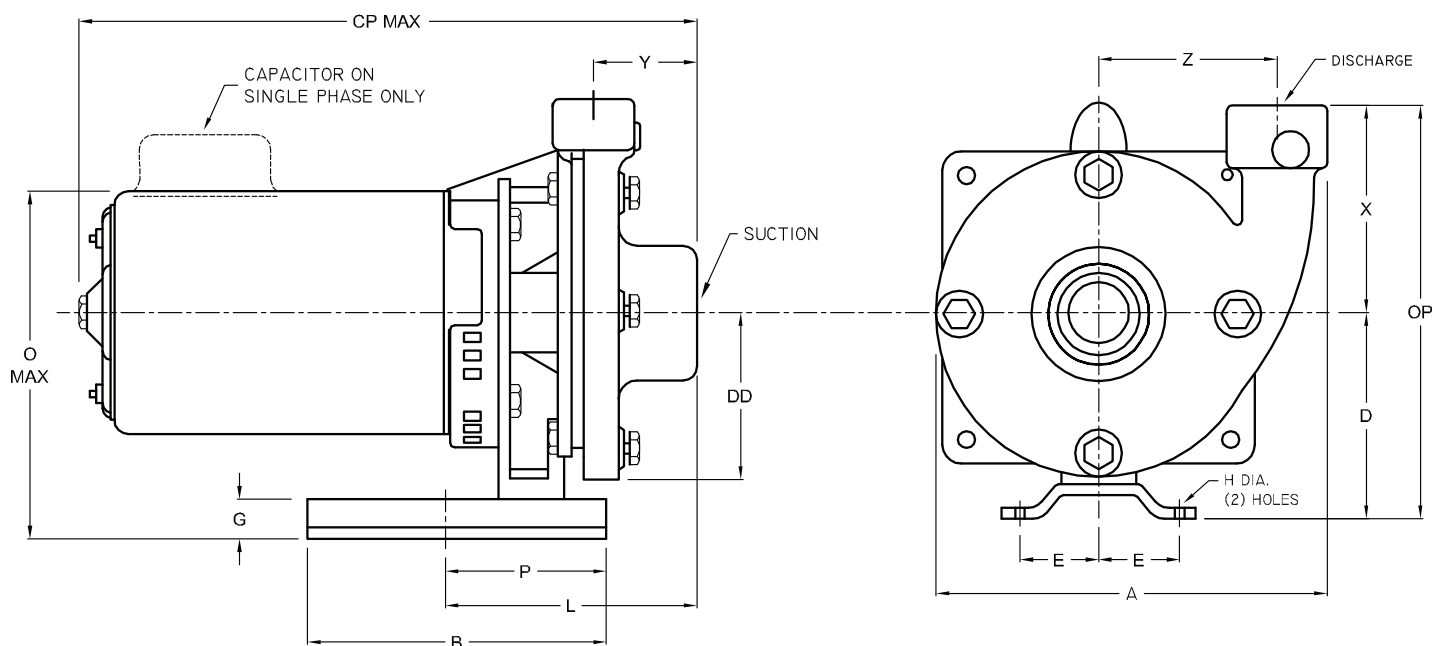
CANCER AND REPRODUCTIVE HARM -
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Series: G5-1¼, G6-1¼

Dimensions

Close Coupled End Suction



DIMENSIONS IN INCHES

MODEL	MOTOR FRAME SIZE	DISC NPT (in)	SUCT. NPT (in)	A	B	CP	D	DD	E	G	H	L	O	OP	P	X	Y	Z
G5-1¼	56	1¼	1½	7¾	8	15¾	4¾	3¼	1 ¹⁵ / ₁₆	¾	9/ ₁₆	6 ⁷ / ₈	8 ⁹ / ₁₆	9 ³ / ₈	4 ⁵ / ₁₆	4 ⁷ / ₁₆	2 ³ / ₈	3 ³ / ₈
G6-1¼	56	1¼	1½	8½	8	15 ⁷ / ₈	5¼	3¾	1 ¹⁵ / ₁₆	¾	9/ ₁₆	7¼	9 ¹ / ₁₆	10	4 ⁵ / ₁₆	4 ¹¹ / ₁₆	2½	3¾

DIMENSIONS IN MILLIMETERS

MODEL	MOTOR FRAME SIZE	DISC NPT (in)	SUCT. NPT (in)	A	B	CP	D	DD	E	G	H	L	O	OP	P	X	Y	Z
G5-1¼	56	1¼	1½	197	203	400	121	83	49	19	14	175	217	238	109	113	60	86
G6-1¼	56	1¼	1½	216	203	403	133	95	49	19	14	184	230	254	109	119	64	95

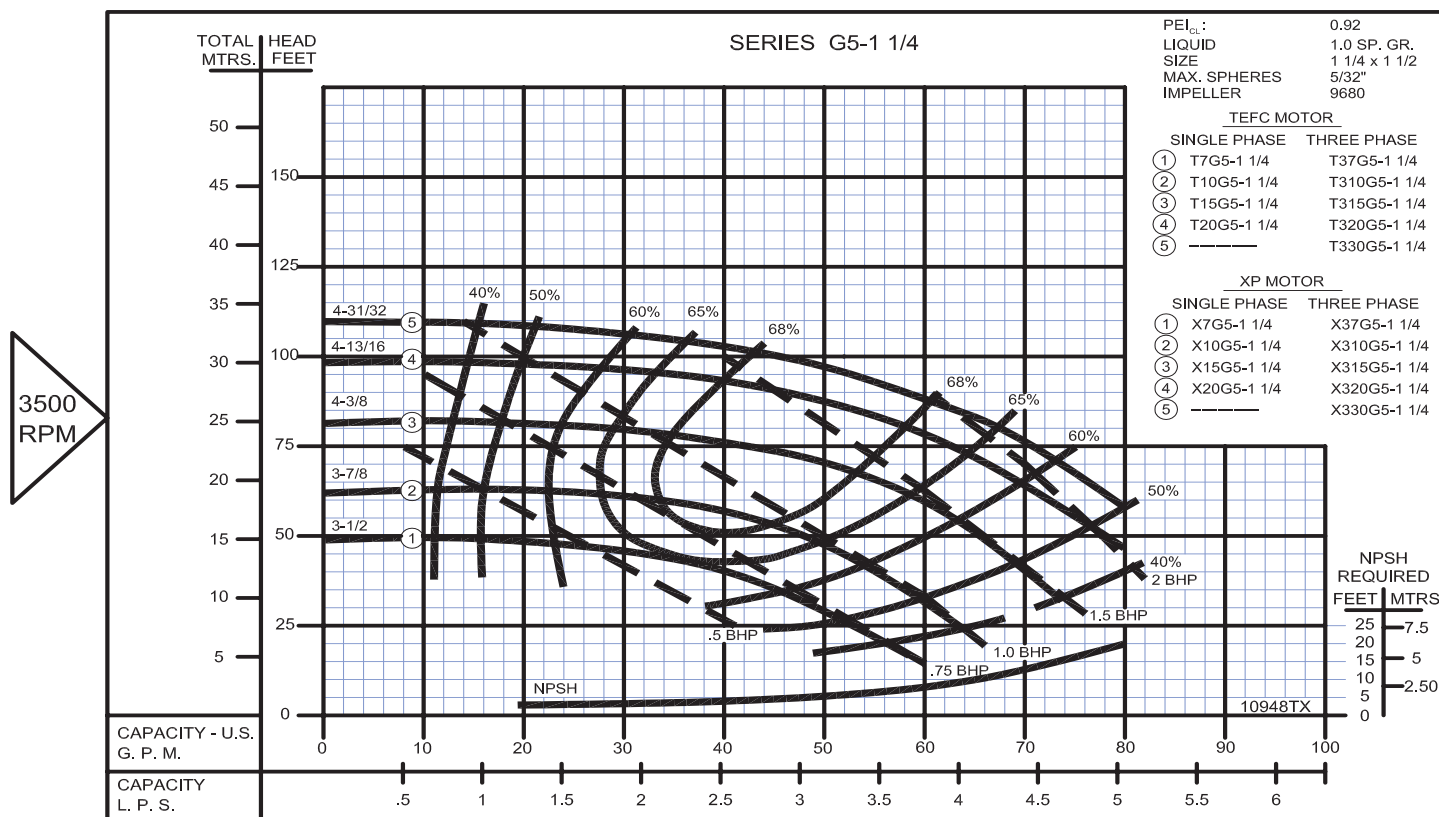
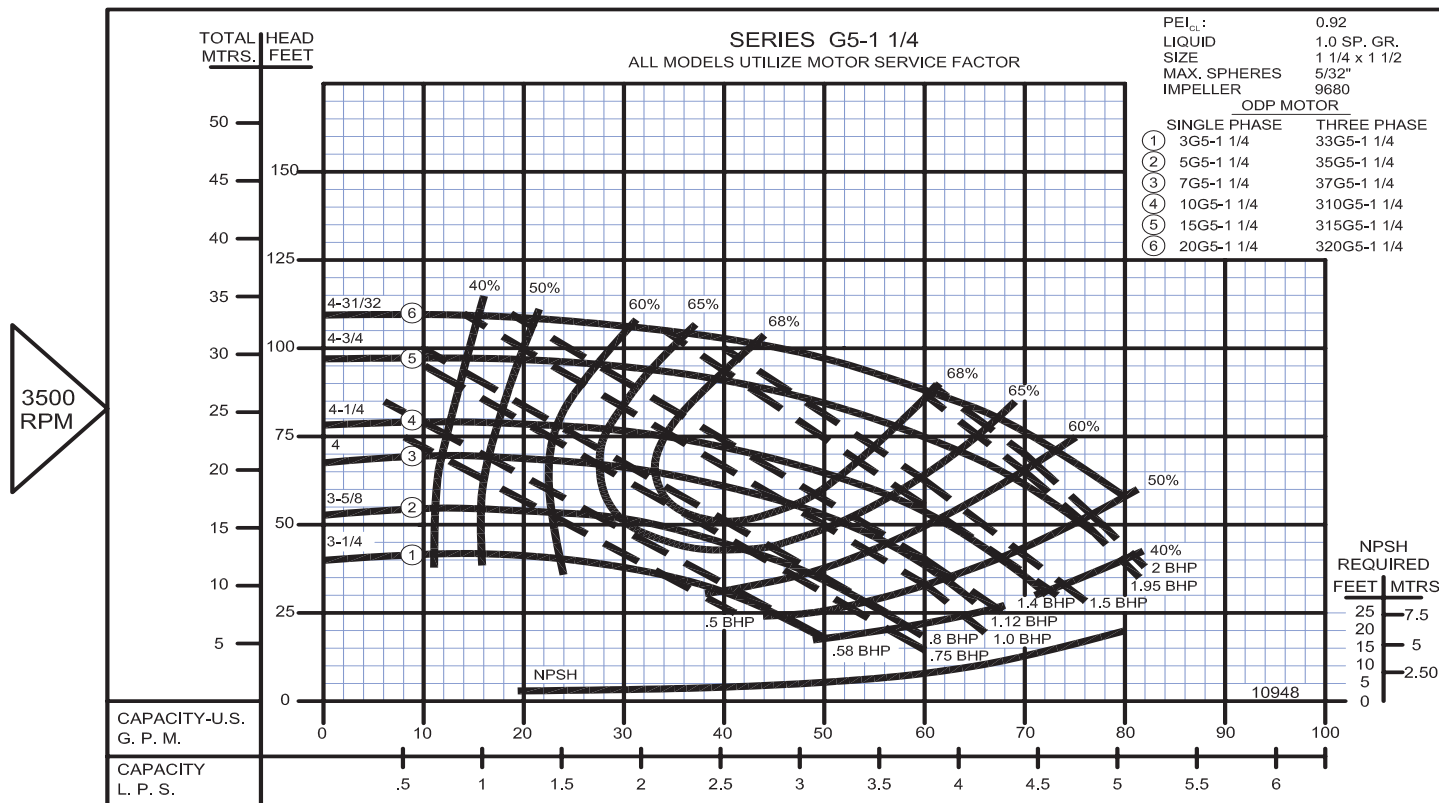
DIMENSIONS SHOWN ABOVE ARE APPROXIMATE MAXIMUM DIMENSIONS FOR STANDARD PUMPS EQUIPPED WITH ODP MOTORS.

Series: G5-1¼

60 Hz Performance

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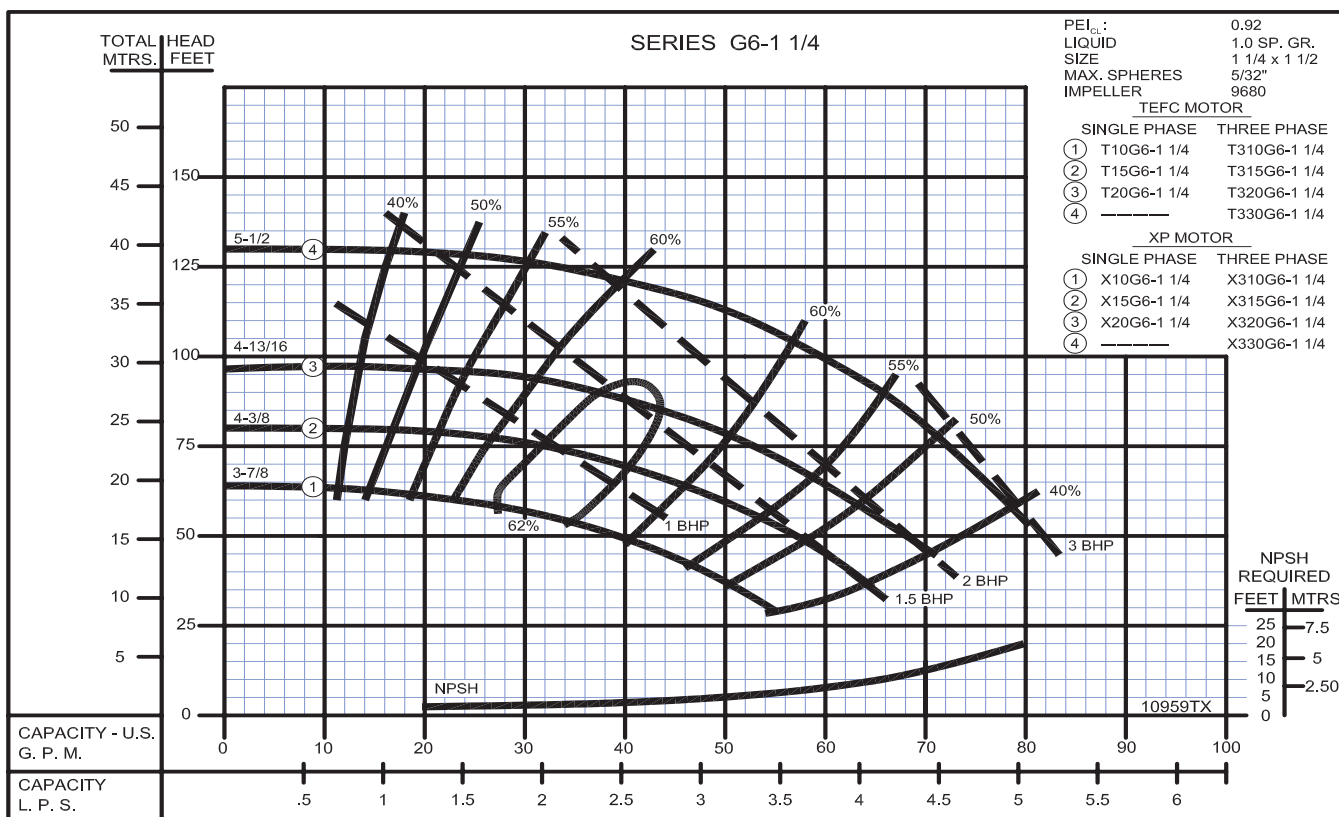
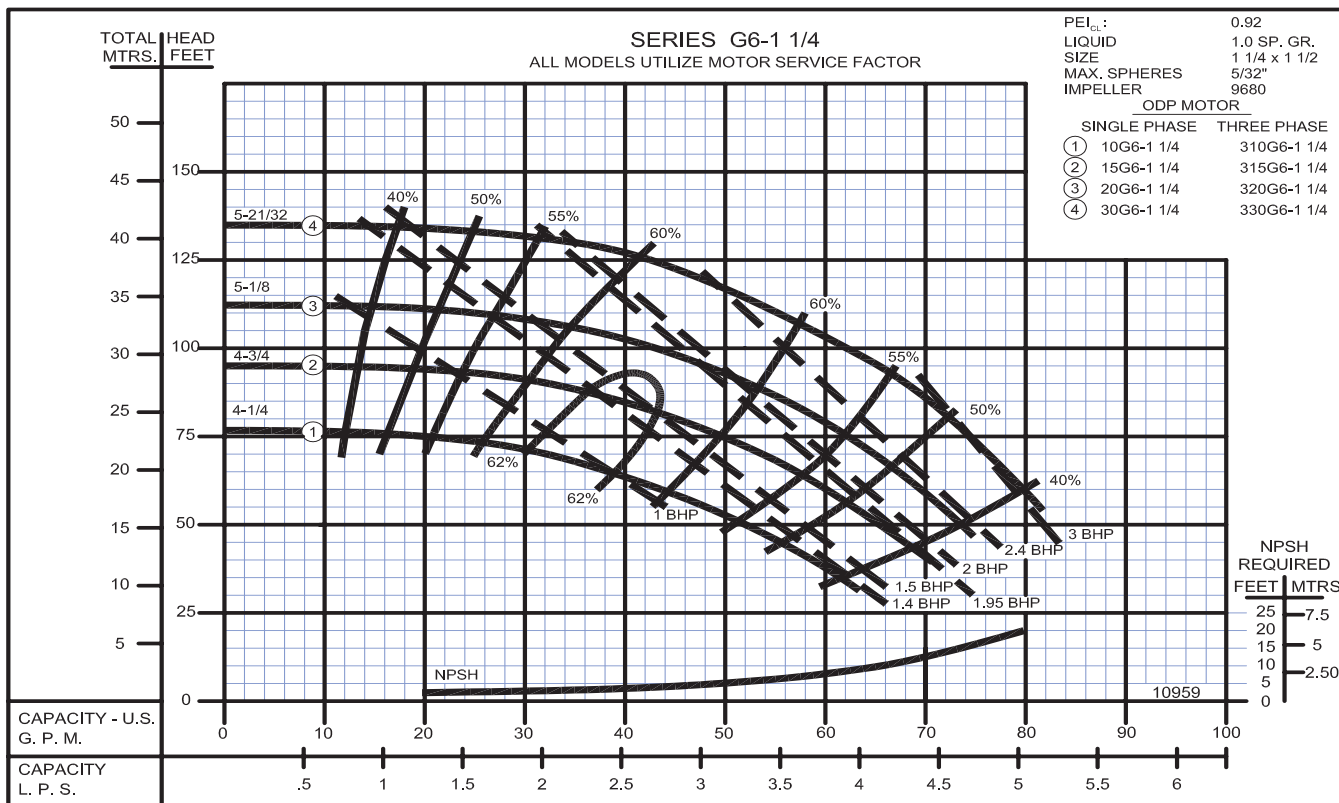
Close Coupled End Suction



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Series: G6-1 1/4
60 Hz Performance

Close Coupled End Suction



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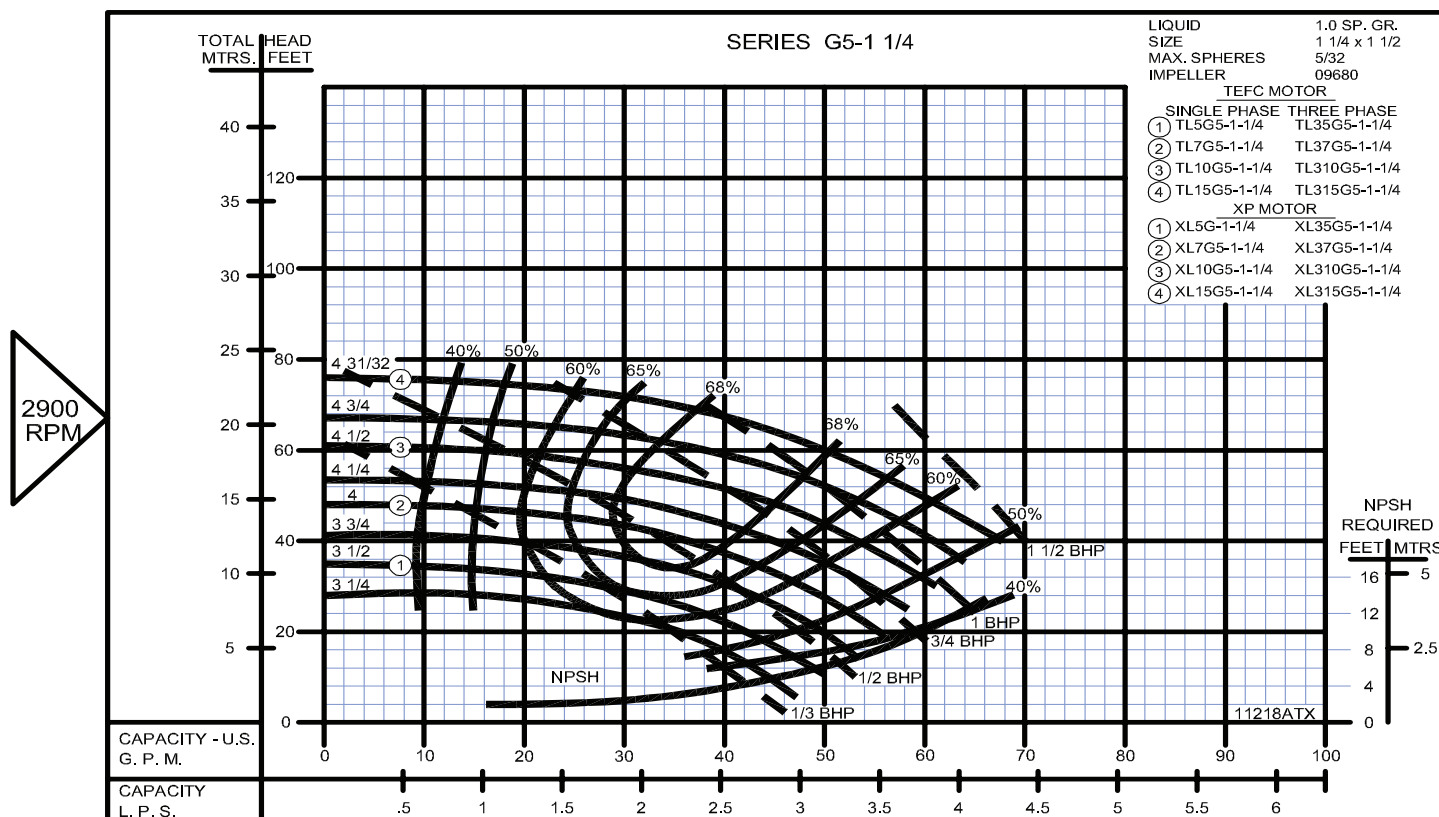
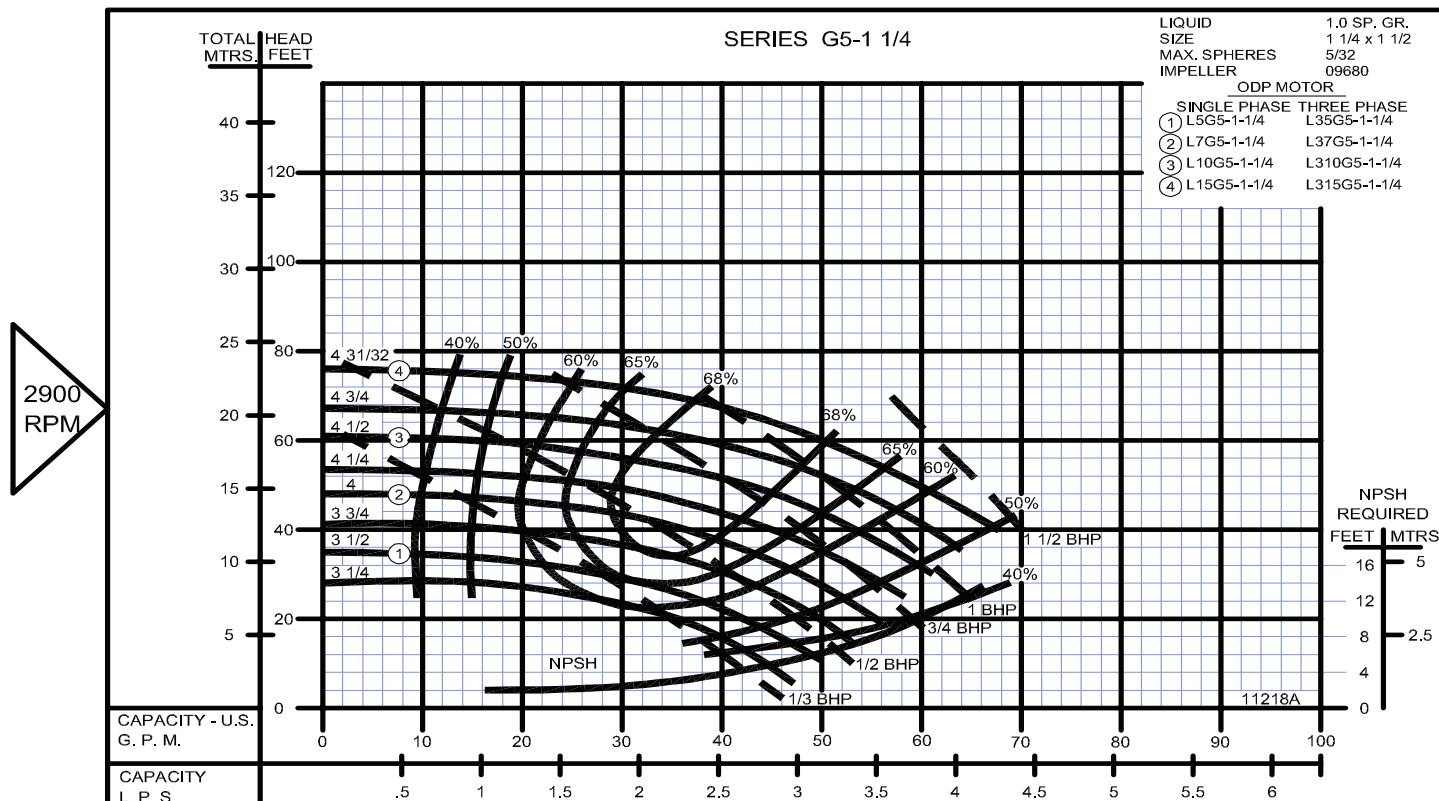
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Series: G5-1 1/4

50 Hz Performance

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Close Coupled End Suction



Close Coupled End Suction

