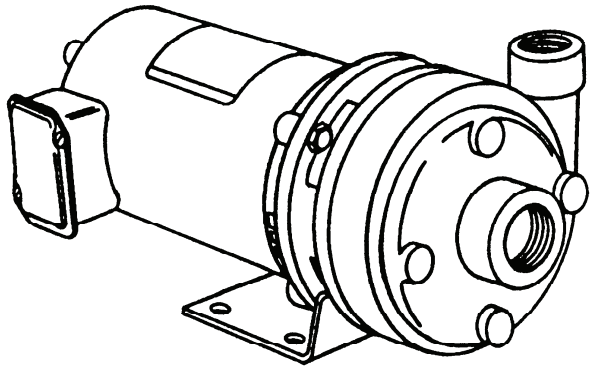
Burks Pumps T10GA4-1-1/4
www.PumpAgents.com - Click Here for Pricing/Ordering for Pumps and Parts



# Series: GA4-¾, GA4-1, GA4-1¼, GA4-1½

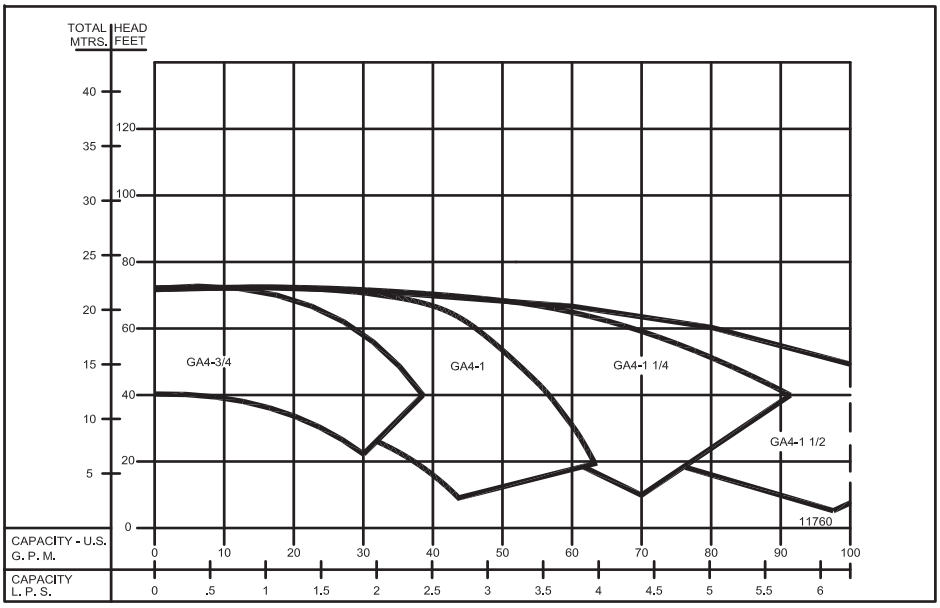
## *Close Coupled End Suction*



## 3500 RPM - 60Hz.

CAPACITIES TO 130 GPM (8.2 LPS)
HEADS TO 75 FEET (23 M)

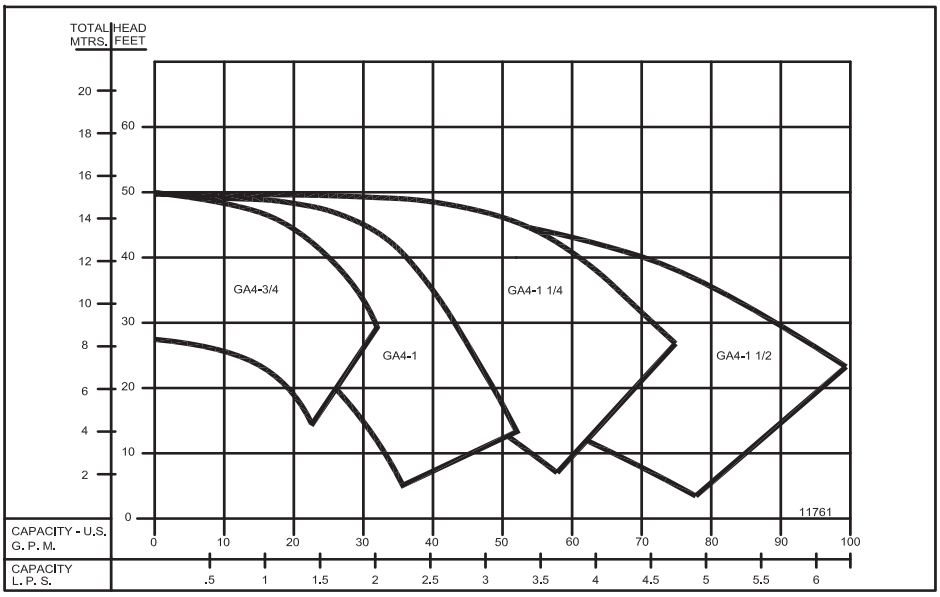
(*) FOR CAPACITIES ABOVE 100 GPM SEE GA4-1½ CURVE.




## 2900 RPM - 50Hz.

CAPACITIES TO 108 GPM (6.8 LPS)
HEADS TO 50 FEET (15 M)

Individual performance curve should be checked for final selection.



Burks Pumps T10GA4-1-1/4
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# Series: GA4-¼, GA4-1, GA4-1¼, GA4-1½

Features

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## *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.

**ENCLOSED CAST IRON IMPELLER**
Of the latest hydraulic design for maximum efficiency, impeller is balanced for vibration-free operation and threaded onto stainless steel motor shaft.Impeller is available in bronze.

**MECHANICAL SHAFT SEAL**
Standard self-adjusting shaft seal for temperatures to 225°F (107°C) and pressures to 150 psi (1034 kpa). 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 are of open drip proof (ODP) 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 meets Hydraulic Institute standards.

| MAXIMUM OPERATING CONDITIONS | |
|---|---|
| TEMPERATURE (For Standard Buna-N Seal) | 225ºF (107ºC) |
| INLET PRESSURE | 70 PSI (433kPa) |
| CASING WORKING PRESSURE | 100 PSI (690kPa) |

**MOTOR INFORMATION**
60 Hz - 3500 RPM - ODP
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: 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 |

**WARNING:**
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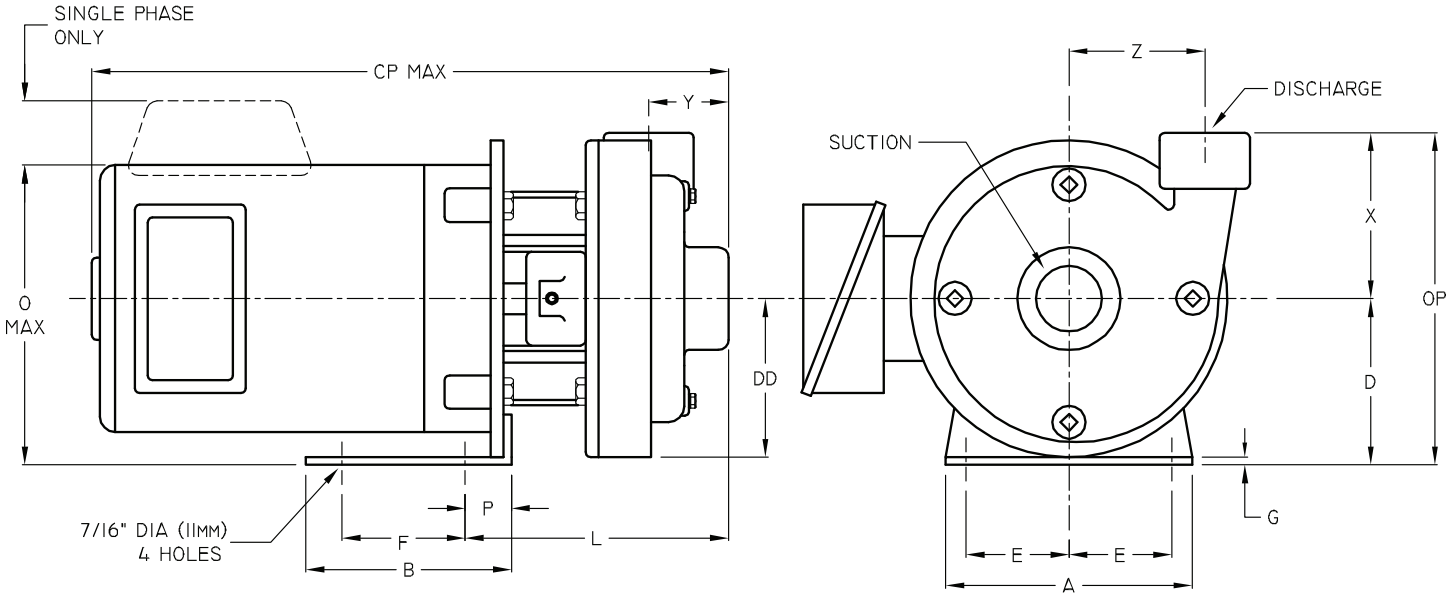
Burks Pumps T10GA4-1-1/4
www.PumpAgents.com - Click Here for Pricing, Ordering for Pumps and Parts



# Series: GA4-¾, GA4-1, GA4-1¼, GA4-1½

Dimensions

## *Close Coupled End Suction*




| DIMENSIONS IN INCHES | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL | MOTOR FRAME SIZE | DISC NPT (in) | SUCT. NPT (in) | A | B | CP | D | DD | E | F | G | L | O | OP | P | X | Y | Z |
| GA4-¾ | 56 | ¾ | 1 | 6 | 5 | 15½ | 3½ | 3 5/16 | 2½ | 3 | 3/16 | 5½ | 6¾ | 7 | 1⅛ | 3½ | 2 1/16 | 2⅝ |
| GA4-1 | 56 | 1 | 1¼ | 6 | 5 | 15 9/16 | 3½ | 3 5/16 | 2½ | 3 | 3/16 | 5 9/16 | 6¾ | 7 | 1⅛ | 3½ | 1 15/16 | 2 11/16 |
| GA4-1¼ | 56 | 1¼ | 1½ | 6 | 5 | 15 13/16 | 3½ | 3 5/16 | 2½ | 3 | 3/16 | 5 15/16 | 6¾ | 7½ | 1⅛ | 4 | 2 3/16 | 3 |
| GA4-1½ | 56 | 1½ | 2 | 6 | 5 | 16 1/16 | 3½ | 3 7/16 | 2½ | 3 | 3/16 | 6 1/16 | 6¾ | 8 | 1⅛ | 4½ | 2 5/16 | 3⅛ |

| DIMENSIONS IN MILLIMETERS | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL | MOTOR FRAME SIZE | DISC NPT (in) | SUCT. NPT (in) | A | B | CP | D | DD | E | F | G | L | O | OP | P | X | Y | Z |
| GA4-¾ | 56 | ¾ | 1 | 152 | 127 | 394 | 89 | 84 | 64 | 76 | 4.8 | 140 | 172 | 178 | 29 | 89 | 52 | 67 |
| GA4-1 | 56 | 1 | 1¼ | 152 | 127 | 395 | 89 | 84 | 64 | 76 | 4.8 | 141 | 172 | 178 | 29 | 89 | 49 | 68 |
| GA4-1¼ | 56 | 1¼ | 1½ | 152 | 127 | 402 | 89 | 84 | 64 | 76 | 4.8 | 151 | 172 | 191 | 29 | 102 | 55 | 76 |
| GA4-1½ | 56 | 1½ | 2 | 152 | 127 | 408 | 89 | 87 | 64 | 76 | 4.8 | 154 | 172 | 203 | 29 | 114 | 59 | 79 |

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

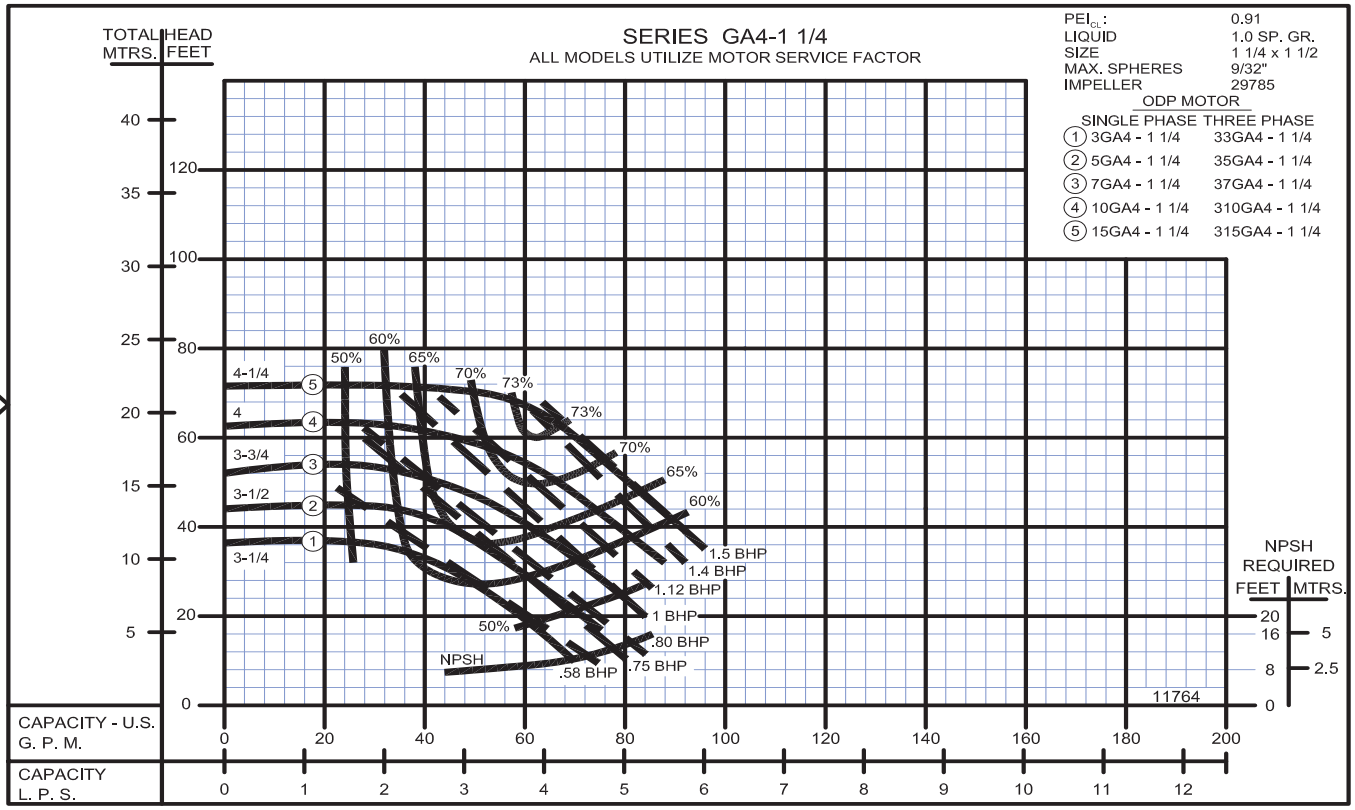
Burks Pumps T10GA4-1-1/4
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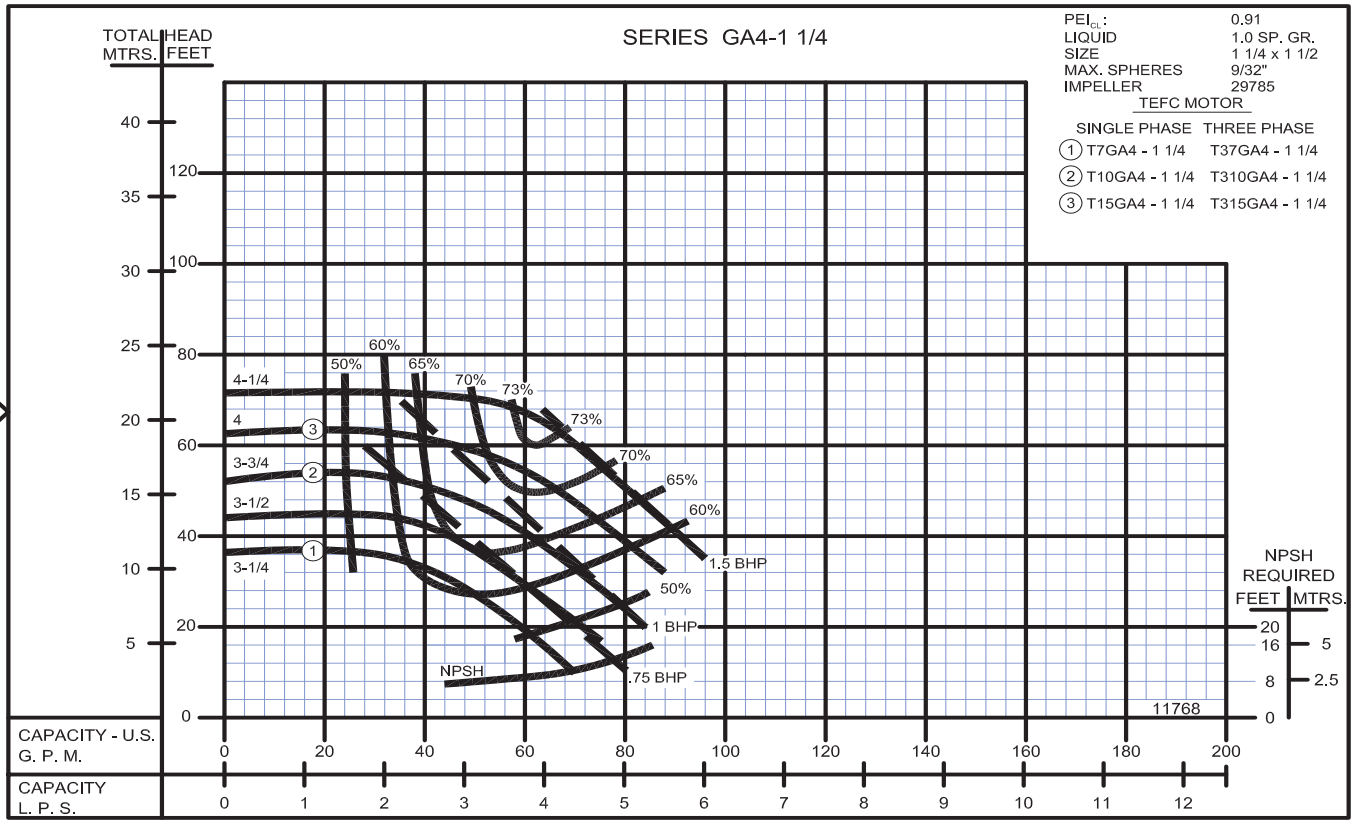
# Series: GA4-1 ¼

60 Hz Performance

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## *Close Coupled End Suction*






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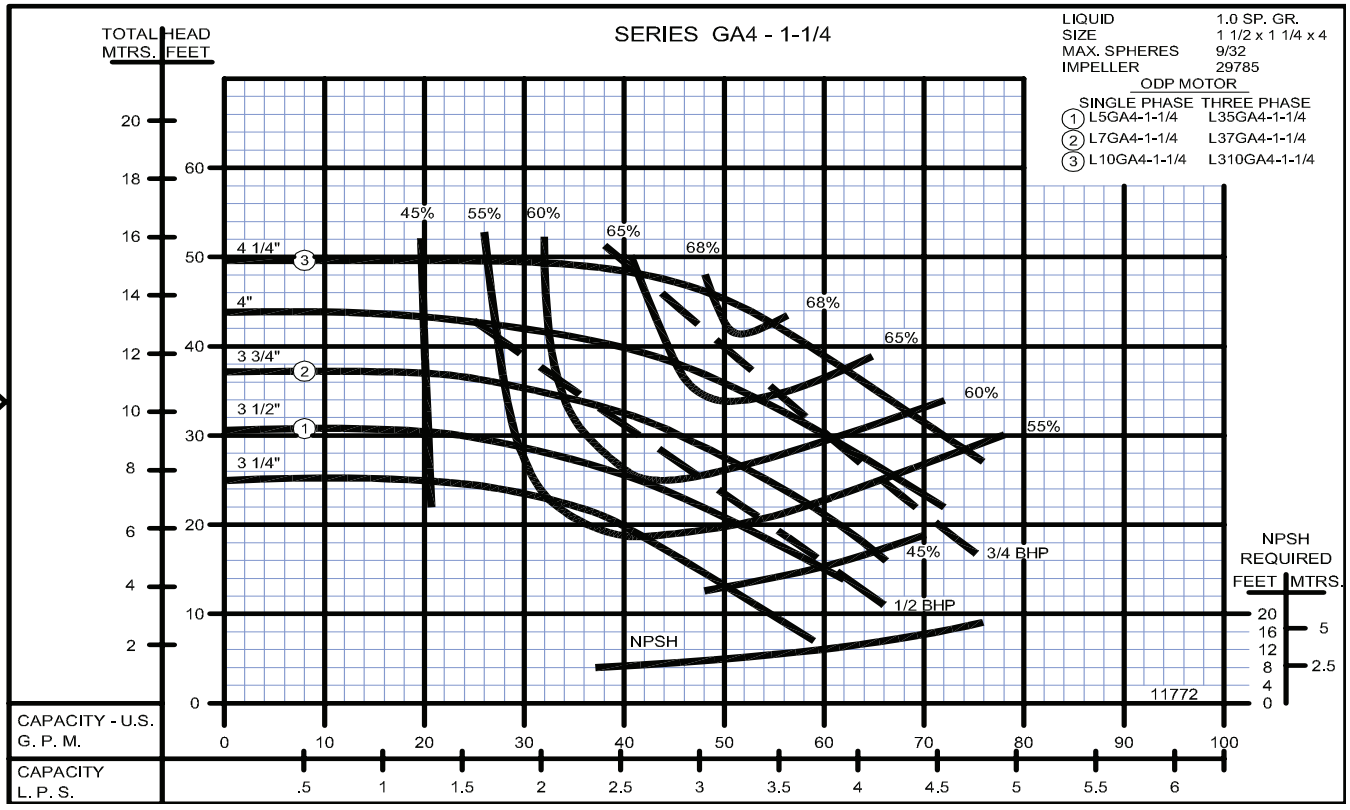
# Series: GA4-1¼

50 Hz Performance

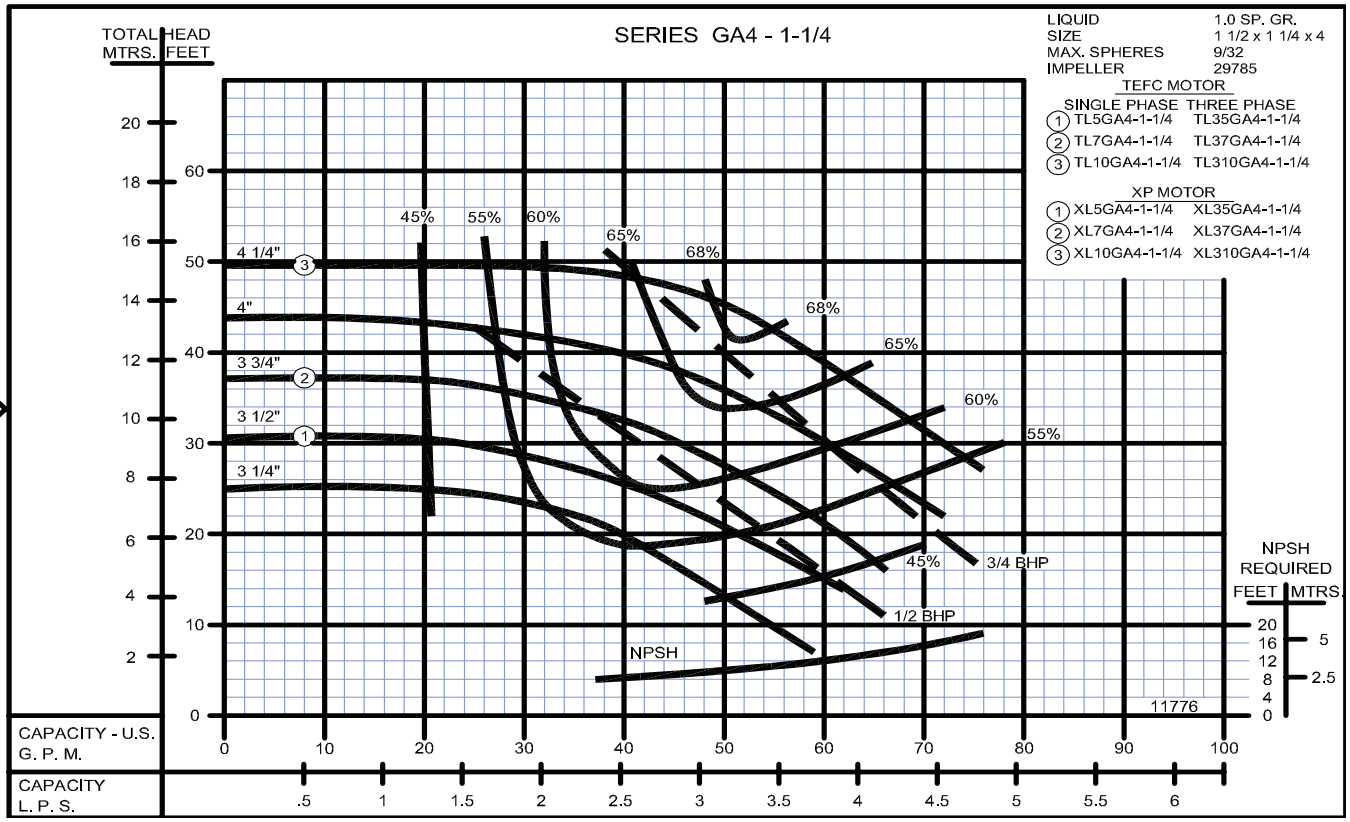
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## *Close Coupled End Suction*

2900 RPM



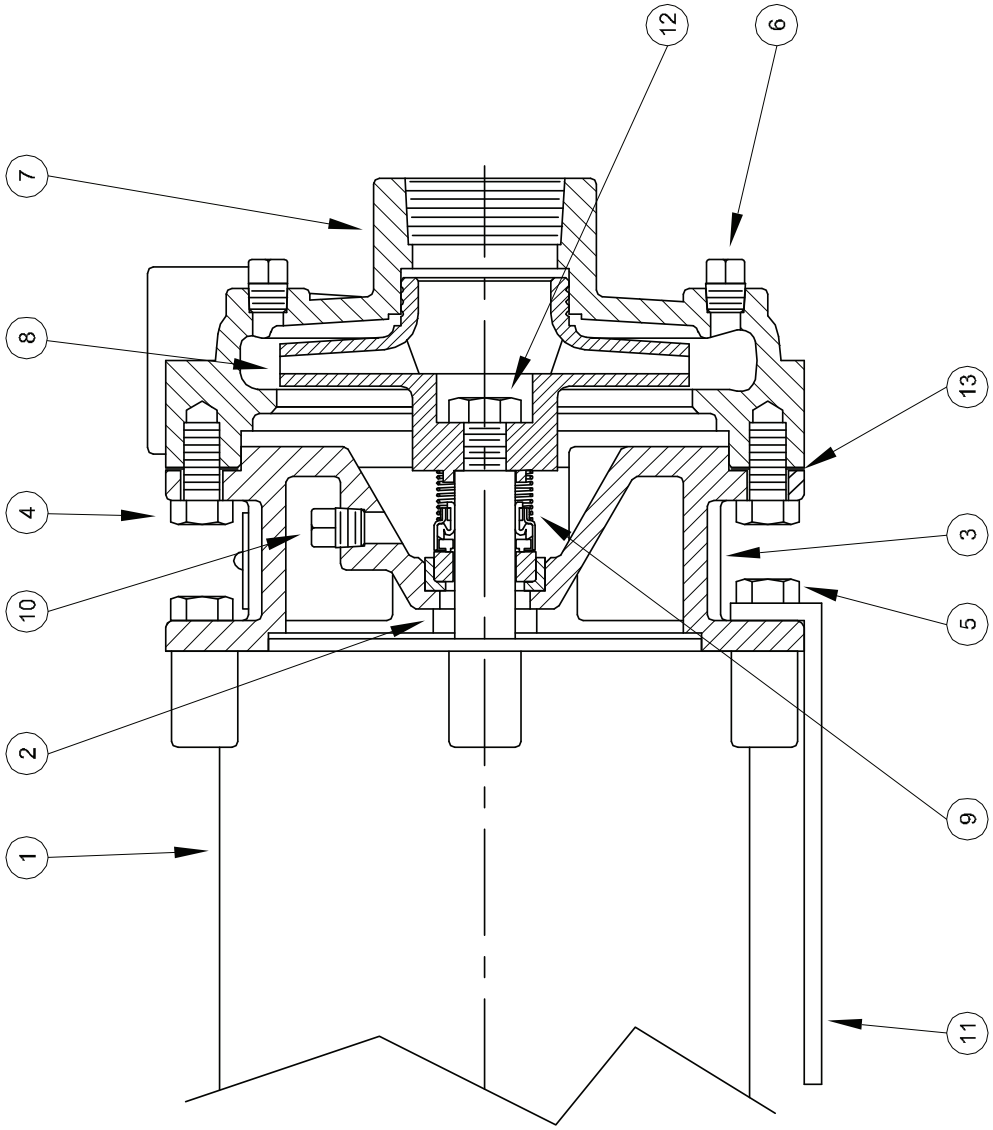

2900 RPM



# Series: GA4

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## *Centrifugals - Close Coupled*




| 1 - MOTORS (All 56J Frame) | | | |
|---|---|---|---|
| RPM & PHASE | PART NUMBER | | HP |
| **OPEN DRIP PROOF** | | | |
| 3500 RPM Single Phase (ODP) | 003-211-371-02 | | 1/3 |
| | 005-211-371-02 | | 1/2 |
| | 007-211-371-02 | | 3/4 |
| | 010-211-371-02 | | 1 |
| | 015-211-371-02 | | 1½ |
| | 020-211-371-02 | | 2 |
| 3500 RPM Three Phase (ODP) | 003-230-361-02 | | 1/3 |
| | 005-230-361-02 | | 1/2 |
| | 007-230-361-02 | | 3/4 |
| | 010-230-361-02 | | 1 |
| | 015-230-361-02 | | 1½ |
| | 020-230-361-02 | | 2 |
| **TOTALLY ENCLOSED** | | | |
| 3500 RPM Single Phase (TENV / TEFC) | 005-211-372-02 | | 1/2 |
| | 007-211-372-02 | | 3/4 |
| | 010-211-372-02 | | 1 |
| | 015-211-372-02 | | 1½ |
| | 020-211-372-02 | | 2 |
| 3500 RPM Three Phase (TENV / TEFC) | 005-230-362-02 | | 1/2 |
| | 007-230-362-02 | | 3/4 |
| | 010-230-362D02 | | 1 |
| | 015-230-362D02 | | 1½ |
| | 020-230-362D02 | | 2 |
| **EXPLOSION PROOF** | | | |
| 3500 RPM Single Phase (XP) | 005-211-374-02 | | 1/2 |
| | 007-211-374-02 | | 3/4 |
| | 010-211-374-02 | | 1 |
| | 015-211-374-02 | | 1½ |
| | 020-211-374-02 | | 2 |
| 3500 RPM Three Phase (XP) | 005-230-364-02 | | 1/2 |
| | 007-230-364-02 | | 3/4 |
| | 010-230-364-02 | | 1 |
| | 015-230-364-02 | | 1½ |
| | 020-230-364-02 | | 2 |

| SYMBOL NUMBER | PART NUMBER | QTY | DESCRIPTION |
|---|---|---|---|
| 2 | 08105 | 1 | Slinger Washer |
| 3 | 0115478 | 1 | Adapter |
| 4 | 03122 | 4 | Cap Screw, 3/8-16 x 3/4" Lg |
| 5 | Q15-5-E26 | 4 | Cap Screw, 3/8-16 x 7/8" Lg |
| 6 | 00158 | 4 | Pipe Plug 1/8" |
| 7 | 0115488 | 1 | Casing, GA4-3/4 |
| | 0115490 | 1 | Casing, GA4-1 |
| | 0115492 | 1 | Casing, GA4-1-1/4 |
| | 0115494 | 1 | Casing, GA4-1-1/2 |
| 8 | 0115432-3.75 | 1 | Impeller, Brass, 3GA4 & 33GA4-3/4 |
| | 0115432-4.00 | 1 | Impeller, Brass, 5GA4 & 35GA4-3/4 |
| | 0115432-4.25 | 1 | Impeller, Brass, 7GA4 & 37GA4-3/4 |
| | 0115436-3.25 | 1 | Impeller, Brass, 3GA4 & 33GA4-1 |
| | 0115436-3.75 | 1 | Impeller, Brass, 5GA4 & 35GA4-1 |
| | 0115436-4.00 | 1 | Impeller, Brass, 7GA4 & 37GA4-1 |
| | 0115436-4.25 | 1 | Impeller, Brass, 10GA4 & 310GA4-1 |
| | 0115440-3.25 | 1 | Impeller, Brass, 3GA4 & 33GA4-1-1/4 |
| | 0115440-3.50 | 1 | Impeller, Brass, 5GA4 & 35GA4-1-1/4 |
| | 0115440-3.75 | 1 | Impeller, Brass, 7GA4 & 37GA4-1-1/4 |
| | 0115440-4.00 | 1 | Impeller, Brass, 10GA4 & 310GA4-1-1/4 |
| | 0115440-4.25 | 1 | Impeller, Brass, 15GA4 & 315GA4-1-1/4 |
| | 0115444-3.25 | 1 | Impeller, Brass, 5GA4 & 35GA4-1-1/2 |
| | 0115444-3.50 | 1 | Impeller, Brass, 7GA4 & 37GA4-1-1/2 |
| | 0115444-3.75 | 1 | Impeller, Brass, 10GA4 & 310GA4-1-1/2 |
| | 0115444-4.25 | 1 | Impeller, Brass, 15GA4 & 315GA4-1-1/2 |

| SYMBOL NUMBER | PART NUMBER | QTY | DESCRIPTION |
|---|---|---|---|
| 9 | 08514 | 1 | Mechanical Seal |
| 10 | 00158 | 1 | Pipe Plug 1/8" |
| 11 | 0115519 | 1 | Base |
| 12 | 20459 | 1 | Nut |
| 13 | 0115516 | 1 | Case Gasket |

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