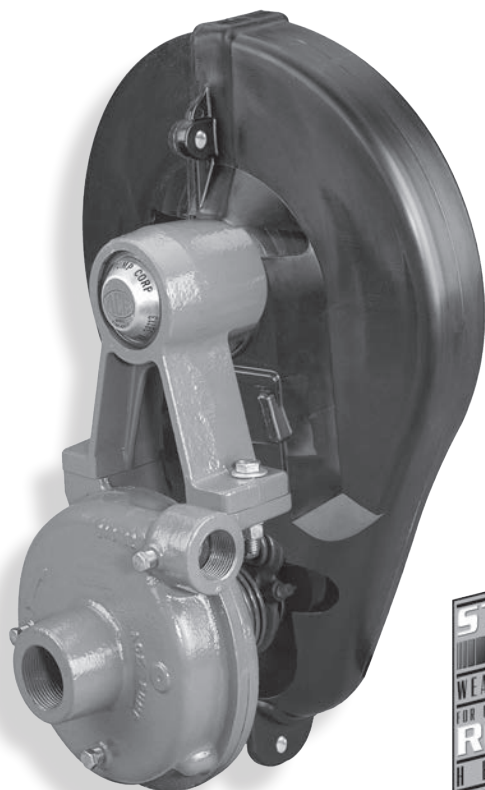




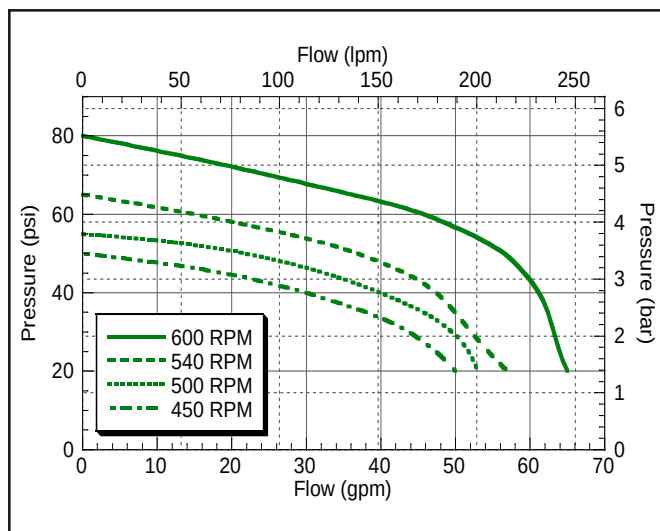
# PTO Belt Driven Centrifugal Pump



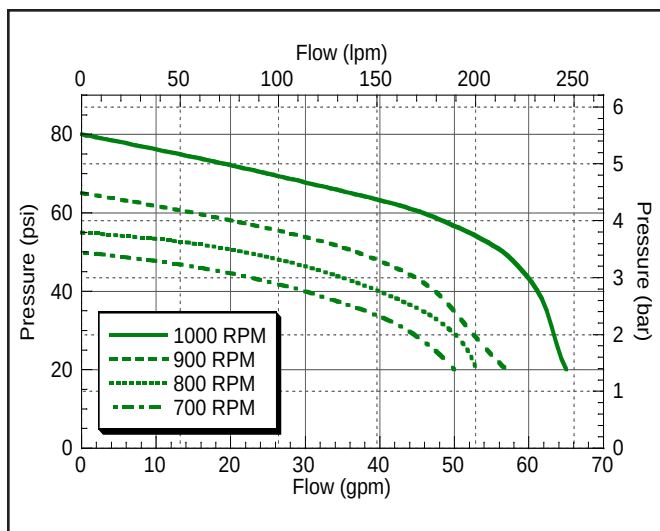
## PTOC SERIES

- Suction 1-1/4" - Discharge 1"
- Stainless Steel Shaft and Wear Ring
- Chemical Resistant Valox® or Optional Cast Iron Impeller
- Standard Viton® Carbon/Ceramic seal or Optional Severe Duty Silicon Carbide Mechanical Seal
- Spring loaded idler absorbs shock of PTO engagement.
- Six models available - see back page
- New BAC-15-PIN feature ensures proper alignment

### 600 RPM PERFORMANCE CHART

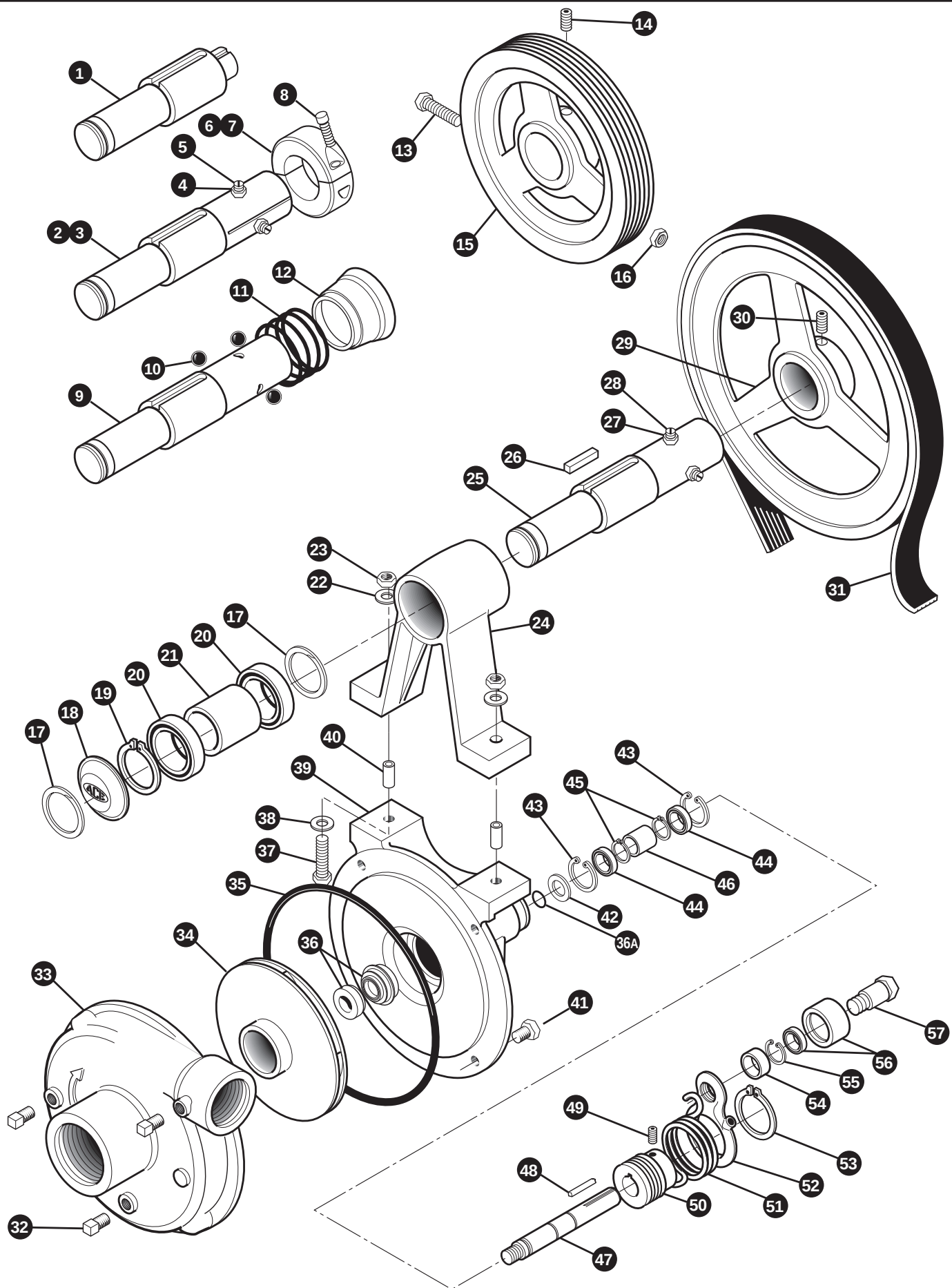


### 1000 RPM PERFORMANCE CHART



Valox® is a registered trademark of GE Plastics.  
Viton® is a registered trademark of DuPont Dow Elastomers.

# EXPLODED VIEW DRAWING



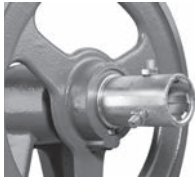
# PARTS LIST

| REF. #              | PART #          | EDP # | DESCRIPTION                                                           | REQ. |
|---------------------|-----------------|-------|-----------------------------------------------------------------------|------|
| 1                   | BAC-10-S        | 40190 | Shaft, 1" Tumblerod stub                                              | 1    |
| 2                   | BAC-10-175-20SP | 40180 | Shaft, 1-3/4" 20 Tooth PTO spline, includes BAC-11-175                | 1    |
| 3                   | BAC-10-21SP     | 40220 | Shaft, 1 3/8" 21 Tooth PTO spline, includes BAC-11                    | 1    |
| 4                   | 40960           | 40960 | Nut, 3/8" NC, jam                                                     | 3    |
| 5                   | BAC-40          | 40940 | Set screw, 3/8" NC slotted                                            | 3    |
| 6                   | BAC-11-175      | 40236 | Locking collar, split ring (for BAC-10-175-20SP shaft)                | 1    |
| 7                   | BAC-11          | 40235 | Locking collar, split ring (for BAC-10-21SP shaft)                    | 1    |
| 8                   | BAC-11-1        | 40237 | Set screw (for BAC-11 and BAC-11-175 locking collar)                  | 1    |
| 9                   | BAC-10-6SP-QC   | 40210 | Shaft, 1-3/8" 6 Tooth PTO spline, for quick coupler                   | 1    |
| 10                  | BAC-83-QC       | 41470 | Ball for quick coupler                                                | 3    |
| 11                  | BAC-82-QC       | 41460 | Spring for quick coupler                                              | 1    |
| 12                  | BAC-81-QC       | 41450 | Ball retainer sleeve for quick coupler                                | 1    |
| 13                  | 41250           | 41250 | Cap screw, 5/16" NC x 3-1/4", hex head                                | 1    |
| 14                  | 41300           | 41300 | Set screw, 3/8" NC x 5/8", allen head                                 | 2    |
| 15                  | BAC-30-10-M     | 40750 | Pulley, 6.375" P.D. x 2" Bore, Poly-V (for PTOC-1000-21SP & -B)       | 1    |
| 15                  | BAC-30-175      | 40745 | Pulley, 6.375" P.D x 2-3/8" Bore, Poly-V (for PTOC-1000-20SP)         | 1    |
| 16                  | BAC-63          | 41260 | Nut, 5/16" NC, self locking, for tumblerod drive                      | 1    |
| 17                  | BAC-34          | 40830 | Snap ring, internal, BAC-15 bearing housing                           | 2    |
| 18                  | BAC-27          | 40520 | Name plate                                                            | 1    |
| 19                  | BAC-35          | 40840 | Snap ring, external, BAC-10 drive shaft                               | 1    |
| 20                  | BAC-31-1        | 40781 | Bearing, sealed, BAC-10 drive shaft                                   | 2    |
| 21                  | BAC-38-1        | 40905 | Spacer, bearing, BAC-10 shaft                                         | 1    |
| 22                  | BAC-44          | 40990 | Washer, 3/8" locking                                                  | 2    |
| 23                  | BAC-45          | 41010 | Nut, hex, 3/8" NC                                                     | 2    |
| 24                  | BAC-15          | 40340 | Housing, PTO drive shaft bearing housing                              | 1    |
| 24                  | BAC-15-B        | 40370 | Housing, tumblerod drive shaft bearing housing with mounting base     | 1    |
| 25                  | BAC-10-6SP      | 40200 | Shaft, 1-3/8" 6 Tooth PTO spline drive                                | 1    |
| 26                  | BAC-51          | 41090 | Shaft, 3/8" x 1/2" x 1-1/2" key, PTO drive shaft                      | 1    |
| 27                  | 40960           | 40960 | Nut, jam, 3/8" NC                                                     | 3    |
| 28                  | BAC-40          | 40940 | Set screw, 3/8" NC, slotted                                           | 3    |
| 29                  | BAC-30-10       | 40740 | Pulley, 10.6" P.D. x 2" bore Poly-V pulley, 10 groove (for PTOC-600)  | 1    |
| 30                  | 41300           | 41300 | Set screw, 3/8" NC x 5/8", allen head                                 | 2    |
| 31 <sup>①</sup>     | BAC-28-10       | 40610 | Belt, Poly-V, 10 groove (for PTOC-600)                                | 1    |
| 31 <sup>②</sup>     | BAC-28-10-M     | 40620 | Belt, Poly-V, 10 groove (for PTOC-1000)                               | 1    |
| 32                  | BAC-53          | 41110 | Pipe plug, 1/8" NPT                                                   | 3    |
| 32                  | 41120           | 41120 | Pipe plug, 1/8" NPT, stainless steel (optional)                       | 3    |
| 33                  | BAC-12          | 40250 | Volute 1-1/4" x 1", cast iron                                         | 1    |
| 34                  | BAC-26-CI       | 40432 | Impeller, cast Iron, left hand thread (optional)                      | 1    |
| 34                  | BAC-26-VALOX    | 40430 | Impeller, Valox, left hand thread                                     | 1    |
| 35 <sup>①②③④</sup>  | BAC-4-A         | 40005 | O-ring, volute seal                                                   | 1    |
| 36 <sup>④</sup>     | BAC-7SC         | 40152 | Seal, silicon carbide mechanical (includes 40160) (optional)          | 1    |
| 36 <sup>①②③</sup>   | BAC-7V          | 40151 | Seal, Viton, mechanical (includes 40160 O-ring)                       | 1    |
| 36A <sup>①②③④</sup> | 40160           | 40160 | O-ring for mechanical seal                                            | 1    |
| 37                  | BAC-42          | 40970 | Cap screw, 3/8" NC x 2" hex head                                      | 2    |
| 38                  | BAC-43          | 40980 | Washer, 3/8" flat                                                     | 2    |
| 39                  | BAC-14-MIA      | 40290 | Mounting frame, machined for idler arm                                | 1    |
| 40                  | BAC-15-PIN      | 40799 | Alignment pin                                                         | 2    |
| 41                  | 40950           | 40950 | Cap screw, 3/8" NC x 3/4" hex head                                    | 4    |
| 41                  | 40930           | 40930 | Cap screw, 3/8" NC x 3/4" hex head, stainless steel (optional)        | 4    |
| 42                  | BAC-54          | 41130 | Slinger                                                               | 1    |
| 43                  | BAC-33          | 40810 | Snap ring, internal, for mounting frame                               | 2    |
| 44                  | BAC-37          | 40870 | Bearing, sealed, for pump shaft                                       | 2    |
| 45                  | BAC-32          | 40790 | Snap ring, external, for driven pump shaft                            | 2    |
| 46                  | BAC-32-S        | 40795 | Spacer for pump shaft                                                 | 1    |
| 47                  | BAC-6-SS        | 40070 | Shaft, 5/8", left hand course thread, stainless steel                 | 1    |
| 48                  | BAC-50          | 41080 | Key, 3/16" x 3/16" x 1-1/4"                                           | 1    |
| 49                  | BAC-57          | 41180 | Cap screw, 5/16" NC x 5/16" allen head, for BAC-29-10 pulley          | 2    |
| 50                  | BAC-29-10-1.50  | 40680 | Pulley, 1.5" P.D. x 5/8" bore, Poly-V, 10 groove                      | 1    |
| 51                  | BAC-5           | 40030 | Spring, idler mounted torsion                                         | 1    |
| 52                  | BAC-13          | 40270 | Idler arm                                                             | 1    |
| 53                  | BAC-36          | 40850 | Snap ring, external, BAC-13 idler arm                                 | 1    |
| 54                  | BAC-46          | 41020 | Spacer, 5/8"                                                          | 1    |
| 55                  | 41070           | 41070 | Retainer ring                                                         | 1    |
| 56                  | BAC-55          | 41140 | Idler bearing and outer roller assembly                               | 1    |
| 57                  | BAC-47          | 41040 | Cap screw, 5/8" NC x 2 1/8" hex head idler                            | 1    |
| #                   | BAC-52          | 41100 | Chain, 1/4" cold shut, torque anchor                                  | 1    |
| #                   | BAC-58          | 41190 | Zerk fitting, 1/4" NPT, for idler arm                                 | 1    |
| #                   | BAC-55-A        | 41150 | Idler arm assembly (includes 52 through 57 and BAC-58)                | -    |
| #                   | BGKB            | 52610 | Belt and shaft guard kit for all PTOC pumps                           | -    |
| ①                   | RK-PTOC-600     | 51150 | Repair kit for 600 RPM models, includes belt, seal, and "O" ring      | -    |
| ②                   | RK-PTOC-1000    | 51250 | Repair kit for 1000 RPM, includes belt, seal, and "O" ring            | -    |
| ③                   | RK-FMC          | 52700 | Repair kit for pump only, includes seal, and "O" ring                 | -    |
| ④                   | RK-FMCSC        | 52706 | Repair kit for pump only, includes silicon carbide seal, and "O" ring | -    |
| #                   | FMC-MIA         | 47000 | Pump end only, machined to accept idler arm                           | -    |

# Not shown in exploded view drawing.



## PTO SHAFT OPTIONS:



**PTOC-600-6SP**



**PTOC-600-6SPQC**



**PTOC-600-B**



**PTOC-1000-21SP**

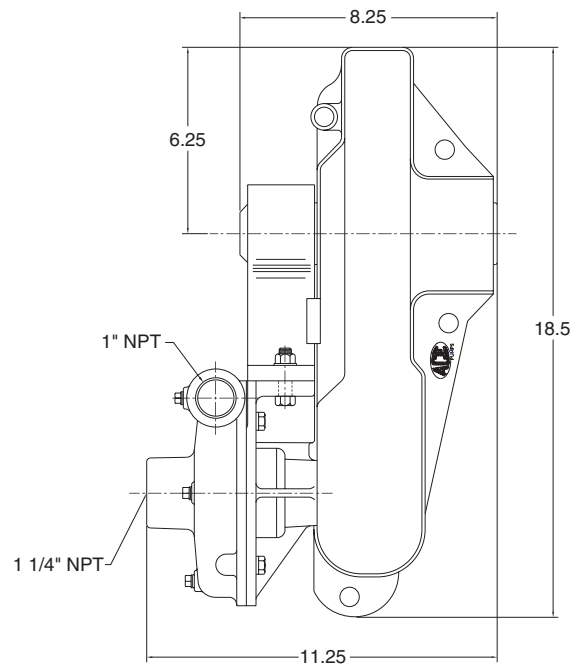
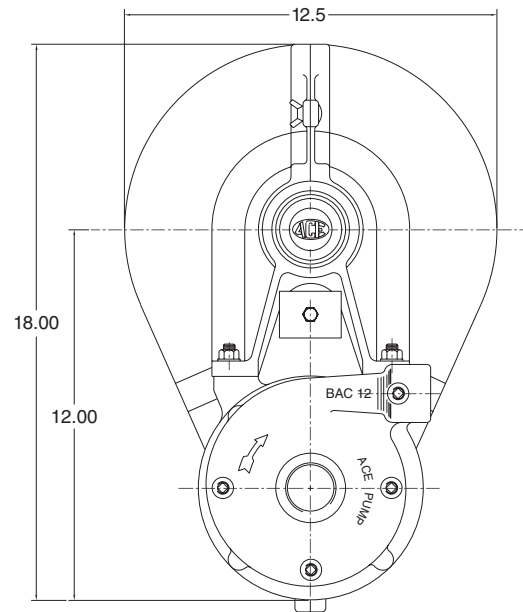


**PTOC-1000-20SP**



**PTOC-1000-B**

## DIMENSIONS



|        |       |       |       |       |       |       |       |
|--------|-------|-------|-------|-------|-------|-------|-------|
| inches | 18.5  | 18    | 12.5  | 12    | 11.25 | 8.25  | 6.25  |
| mm     | 469.9 | 457.2 | 317.5 | 304.8 | 285.8 | 209.6 | 158.8 |