# KC Series

MAGNETIC SEALLESS PUMPS

## KC11 Sealless Centrifugal Pumps

*1.0 to 3.0 Hp*
*(.55 to 2.2 kW)*

KC11 PP

KC11 PVDF

## *Features*

- 24-hour run-dry capability with carbon bushing
- Polypropylene or PVDF
- Excellent chemical resistance
- Mounts to standard NEMA 56C, 145TC or IEC 80 or 90 frame motors with B14
- NPT or BSP threads
- Rugged cantilevered ceramic spindle
- Back pull-out design for easy service
- 1.8 specific gravity
- 50 cps maximum

## *Performance*

*60 Hz 3450 rpm*

*50 Hz 2900 rpm*

FINISH THOMPSON INC.

## *Specifications*

| MODEL (CONSTRUCTION) | SUCTION DISCHARGE | IMPELLER SIZE | | MAX. FLOW | | | MAX. HEAD | | | MOTOR DRIVE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | inch | cm | 3450 rpm | | 2900 rpm | 3450 rpm | | 2900 rpm | 3450 rpm | 2900 rpm |
| | | | | gpm | $m^3/hr$ | $m^3/hr$ | ft | m | m | hp | kW |
| KC1130 | | 3.0 | 7.6 | 53 | 12 | 9.6 | 33 | 10 | 7.0 | 1.0 - 1.5 | .55 - .75 |
| KC1135 | 1-1/2" FNPT | 3.5 | 8.9 | 74 | 17 | 12.5 | 46 | 14 | 9.8 | 1.5 - 2.0 | .75 - 1.1 |
| KC1140 | 1-1/4" MNPT | 4.0 | 10.2 | 88 | 20 | 15.3 | 60 | 18 | 13.0 | 1.5 - 3.0 | .75 - 2.2 |
| KC1145 | | 4.5 | 11.4 | 94 | 21 | 16.7 | 75 | 23 | 16.1 | 2.0 - 3.0 | 1.1 - 2.2 |

P - Polypropylene glass filled, carbon, PTFE, high purity ceramic and Viton®. Maximum temperature 180°F (82°C).
V - PVDF carbon filled, carbon, PTFE, high purity ceramic and Viton. Maximum temperature 220°F (104°C).
NOTE: (1) Actual performance may vary. Pump models and performance vary with conditions.
(2) Maximum working pressure: 35 psi - polypropylene construction, 45 psi - PVDF construction

*Viton is a registered trademark of DuPont Dow Elastomers.

## *Dimensions*

Close Coupled

Pedestal Mounted

**With NEMA Motors (Inches)**

| MODEL | MOTOR FRAME | A | B | C | D | E | F | G | H | J* | K | L* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KC11 | 56C | 3-1/2 | 2-3/4 | 3 | 4-7/8 | 2-1/4 | 2-3/8 | 7-1/2 | 4-3/4 | 12-1/8 | 3/4 | 14 |
| | 145TC | | | 5 | 5-1/2 | | | | | | | 15 |

**With IEC Motors (Millimeters)**

| MODEL | MOTOR FRAME | A | B | C | D | E | F | G | H | J* | K | L* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KC11 | 80 | 80 | 50 | 100 | 125 | 57 | 60 | 191 | 121 | 230 | 19 | 268 |
| | 90 | 90 | 56 | 125 | 140 | | | | | 250 | | 312 |

* Varies by manufacturer


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