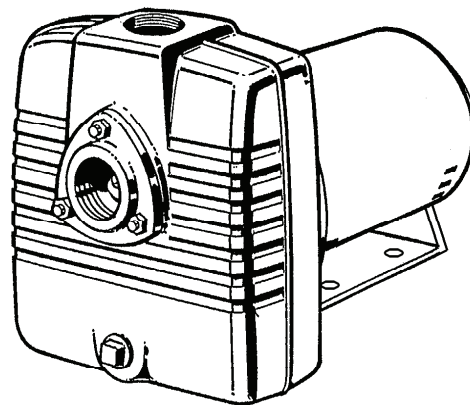


### Self-Priming Universal/Electric Driven

## Specifications:

|                               |                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| SUCTION/DISCHARGE .....       | 1½" x 1½" NPT, Female                                                                                                    |
| LIQUID TEMPERATURE .....      | 160°F (71°C) Continuous                                                                                                  |
| INTERMEDIATE .....            | Cast Iron ASTM A-48, Class 30                                                                                            |
| VOLUTE .....                  | Cast Iron ASTM A-48, Class 30                                                                                            |
| BODY .....                    | Cast Iron ASTM A-48, Class 30                                                                                            |
| PEDESTAL .....                | Cast Iron ASTM A-48, Class 30                                                                                            |
| IMPELLER: <i>Design</i> ..... | Semi-Open, Dynamically Balanced,<br>ISO G6.3                                                                             |
| <i>Material</i> .....         | Cast Iron ASTM A-48, Class 30                                                                                            |
| SHAFT .....                   | Stainless Steel                                                                                                          |
| SQUARE RINGS .....            | Buna-N                                                                                                                   |
| HARDWARE .....                | Series Stainless Steel                                                                                                   |
| PAINT .....                   | Air Dry Enamel.                                                                                                          |
| SEAL: <i>Design</i> .....     | Mechanical                                                                                                               |
| <i>Lubrication</i> .....      | Self-Lubricating                                                                                                         |
| <i>Material</i> .....         | Rotating Faces - Carbon<br>Stationary Faces - Ceramic<br>Elastomer - Buna-N<br>Hardware -300 Series Stainless            |
| CHECK VALVE:                  |                                                                                                                          |
| <i>Material</i> .....         | Valve Flap-Neoprene<br>Weight-Cast Iron ASTM A-48, Class 30                                                              |
| MOTOR: <i>Design</i> .....    | Open Drip Proof, NEMA L - Single Phase,<br>NEMA B - Three Phase Torque Curve.<br>C-Face, Footed, Squirrel Cage Induction |
| <i>Insulation</i> .....       | Class B                                                                                                                  |
| SINGLE PHASE .....            | Capacitor Start, Dual Voltage 115/230                                                                                    |
| THREE PHASE .....             | Tri-Voltage 200-230/460                                                                                                  |
| OPTIONAL EQUIPMENT .....      | Seal Material, TEFC Motors                                                                                               |



**Series: 3CCE**  
**1-1/2HP, 3450RPM**  
MAX SPHERE 5/16"

**Series: 4CCE**  
**2HP, 3450RPM**  
MAX SPHERE 5/16"

**Series: 5CCE**  
**3HP, 3450RPM**  
MAX SPHERE 5/8"



® Canadian Standards Association  
File No. LR16567

### DESCRIPTION:

SELF-PRIMING CENTRIFUGAL PUMPS  
DESIGNED FOR MARINE, MUNICIPAL AND  
INDUSTRIAL APPLICATIONS

# Series 3CCE, 4CCE, 5CCE

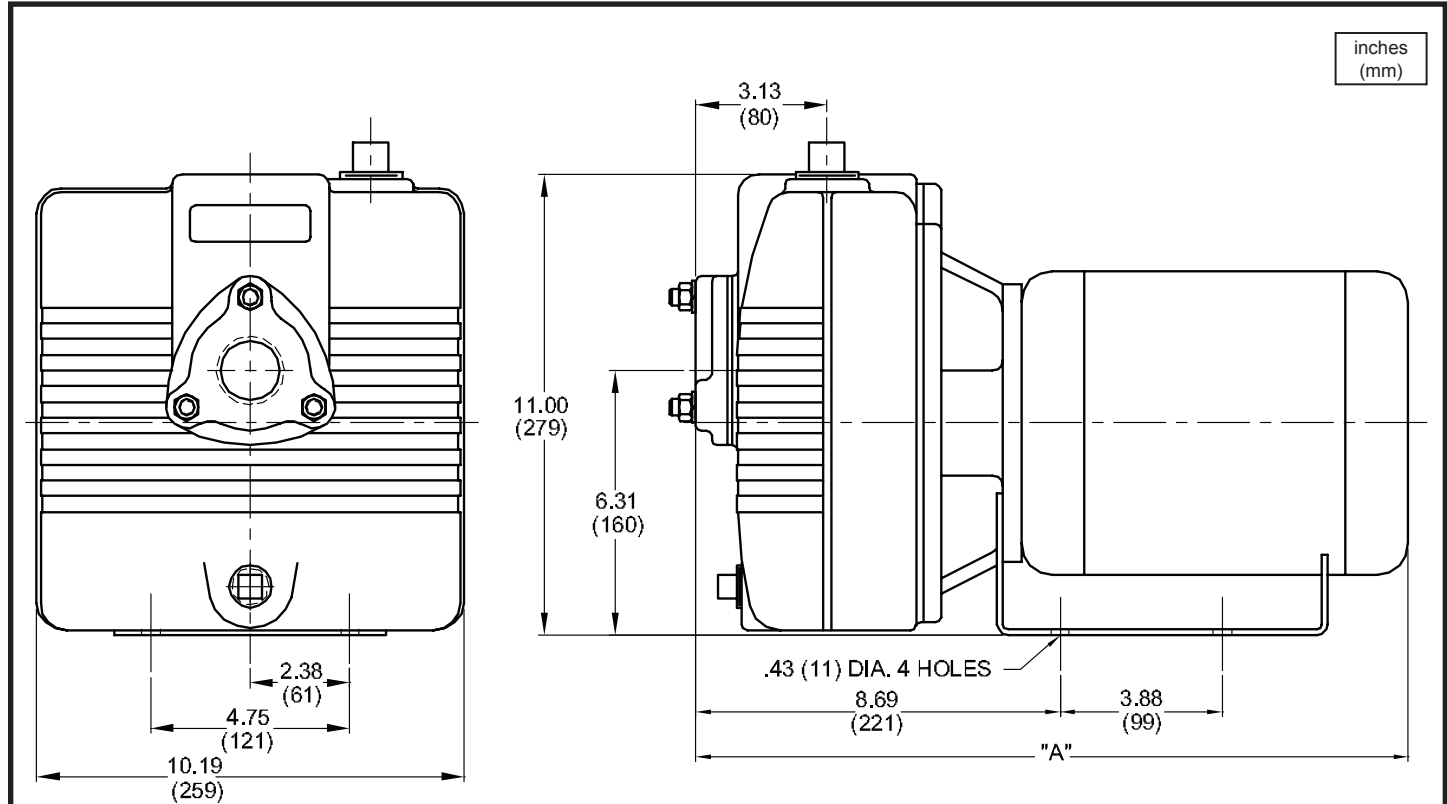
Electric Drive

1½" NPT

# BARNES®

www.cranepumps.com

## Self-Priming Universal/Electric Driven



\* Overall Dimensions subject to Motor Manufacture.

| MODEL NO | PART NO | MOTOR DESIGN | HP  | VOLT        | PH | Hz | RPM (Nom) | FULL LOAD AMPS | LOCKED ROTOR AMPS | WEIGHT NET LBS (kg) | * A DIM     |
|----------|---------|--------------|-----|-------------|----|----|-----------|----------------|-------------------|---------------------|-------------|
| 3CCE     | 027458  | ODP          | 1.5 | 200-230/460 | 3  | 60 | 3450      | 6.0/3.0        | 40/20             | 84 (38)             | 17.88 (454) |
| 3CCE-1   | 027460  | ODP          | 1.5 | 115/230     | 1  | 60 | 3450      | 4.5/2.3        | 120/60            | 84 (38)             | 18.44 (468) |
| 4CCE     | 027464  | ODP          | 2.0 | 200-230/460 | 3  | 60 | 3450      | 6.8/3.4        | 50/25             | 92 (42)             | 18.44 (468) |
| 4CCE-1   | 027466  | ODP          | 2.0 | 115/230     | 1  | 60 | 3450      | 5.9/3.0        | 144/72            | 92 (42)             | 18.44 (468) |
| 5CCE     | 027470  | ODP          | 3.0 | 200-230/460 | 3  | 60 | 3450      | 9.6/4.8        | 64/32             | 94 (43)             | 18.44 (468) |
| 5CCE-1   | 027472  | ODP          | 3.0 | 115/230     | 1  | 60 | 3450      | 8.3/4.2        | 204/102           | 94 (43)             | 19.69 (500) |
| 3CCE     | 027458K | TEFC         | 1.5 | 200-230/460 | 3  | 60 | 3450      | 5-4.6/2.3      | 36/18             | 91 (41.3)           | 20.00 (508) |
| 3CCE-1   | 027460K | TEFC         | 1.5 | 115/230     | 1  | 60 | 3450      | 16.6/8.3       | 84/42             | 107 (48.5)          | 21.00 (534) |
| 4CCE     | 027464C | TEFC         | 2.0 | 200-230/460 | 3  | 60 | 3450      | 7-5.4/2.7      | 46/23             | 102 (46.3)          | 21.00 (534) |
| 4CCE-1   | 027466M | TEFC         | 2.0 | 115/230     | 1  | 60 | 3450      | 23/11.5        | 156/78            | 120 (54.4)          | 21.92 (557) |
| 5CCE     | 027470F | TEFC         | 3.0 | 200-230/460 | 3  | 60 | 3450      | 8.1-7.6/3.8    | 66/33             | 100 (45.4)          | 21.92 (557) |
| 5CCE-1   | 027472J | TEFC         | 3.0 | 115/230     | 1  | 60 | 3450      | 29/14.5        | 172/86            | 134 (61)            | 25.36 (644) |

### IMPORTANT !

- 1.) DO NOT USE FOR PUMPING FLUIDS WITH A FLASH POINT OF LESS THAN 100°F.
- 2.) MAKE CERTAIN THAT PUMP AND/OR MOTOR ASSEMBLY AND CONTROLS HAVE THE APPROPRIATE RATINGS FOR THE GIVEN APPLICATION AREA CLASSIFICATION. (ie DIVISION I, AGENCY LISTING ETC.)

SECTION 4E  
PAGE 2  
DATE 2/06

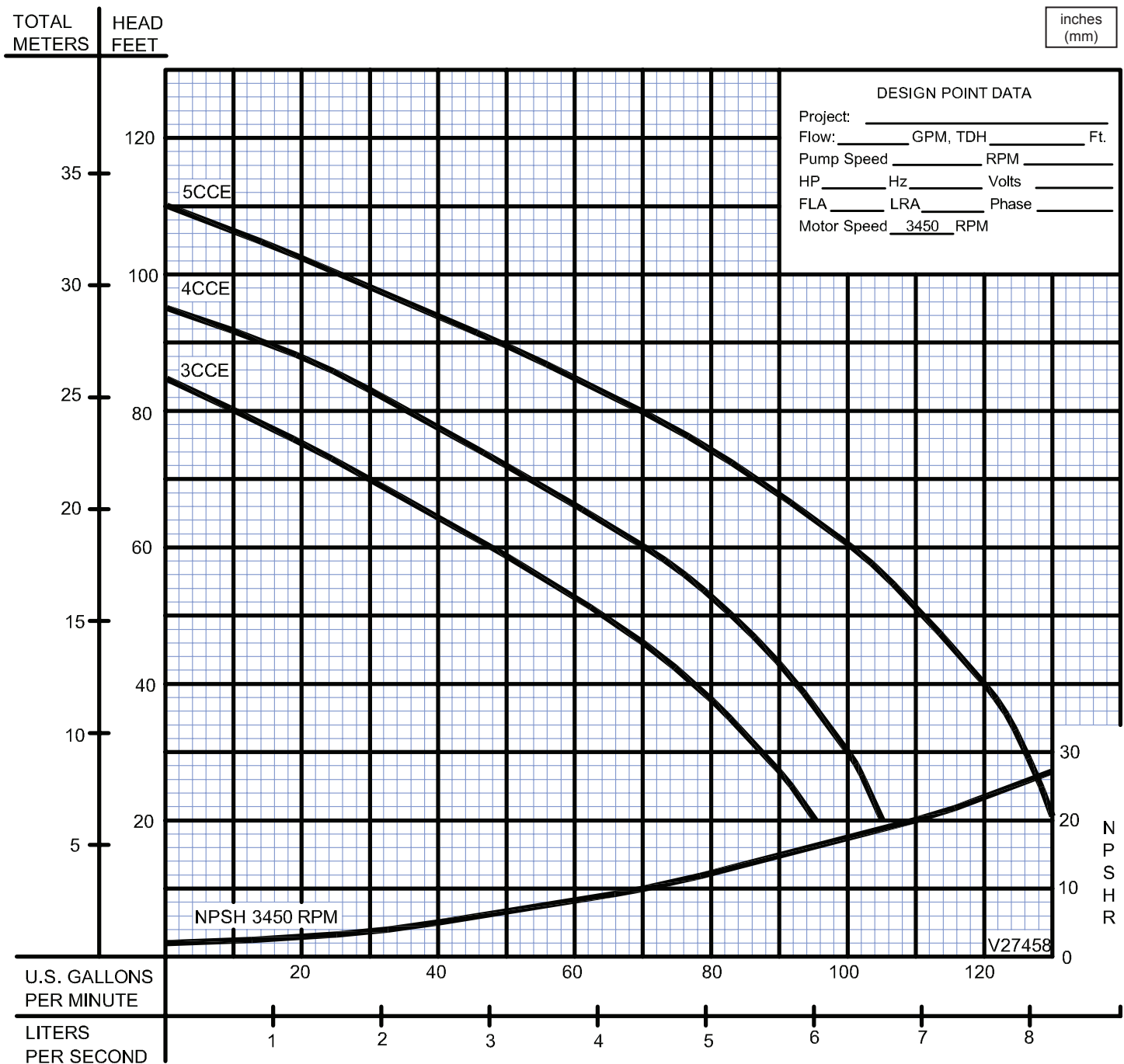
## CRANE®

A Crane Co. Company

## PUMPS & SYSTEMS

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

### Self-Priming Universal/Electric Driven



Testing is performed with water, specific gravity 1.0 @ 68° F @ (20°C), other fluids may vary performance