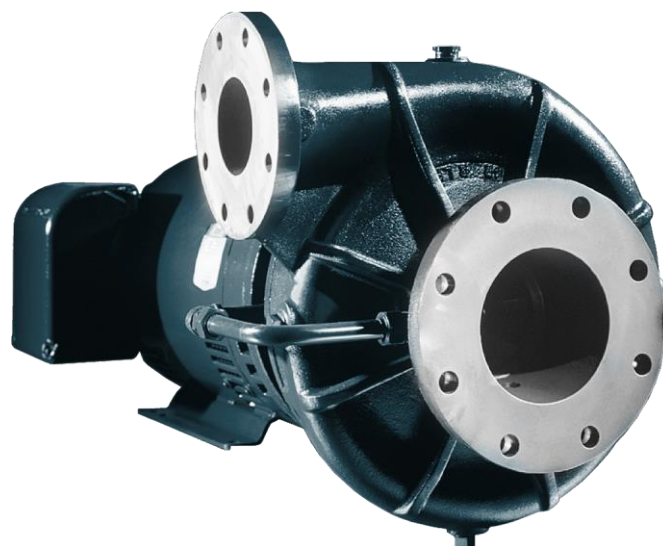


## AVAILABLE MOUNTING CONFIGURATIONS

5RB-CC CLOSE-COUPLED  
5RB-VM VERTICAL CLOSE-COUPLED

## OPERATING LEVELS

|                             |          |          |
|-----------------------------|----------|----------|
| <b>MIN FLOW</b>             | 200 GPM  | 46 m³/h  |
| <b>MAX FLOW</b>             | 2200 GPM | 500 m³/h |
| <b>DISCHARGE SIZE</b>       | 5"       | 127 mm   |
| <b>SUCTION SIZE</b>         | 8"       | 203 mm   |
| <b>SOLIDS HANDLING</b>      | 1"       | 25.4 mm  |
| <b>MAX SPEED</b>            | 1800 RPM | 1800 RPM |
| <b>SHUT-OFF HEAD</b>        | 200'     | 61 m     |
| <b>MAX WORKING PRESSURE</b> | 155 PSI  | 1069 kPa |
| <b>BEP HEAD</b>             | 160'     | 48.8 m   |
| <b>BEP FLOW</b>             | 1600 GPM | 363 m³/h |
| <b>BEP PERCENT</b>          | 86%      | 86%      |



A typical picture of the pump is shown. Please contact KamalBlower Solutions LLC for further details. All information is approximate and for general guidance only.

The 5RB general purpose pump is designed with KamalBlower's renowned quality and durability. It features a 5" discharge and a 8" suction, enclosed multi-vane impeller and flanged tangential double volute. Optional motors include TEFC (other options available).

- External hydraulic balance line
- Back pullout design
- Replaceable hub & suction wear rings
- Replaceable shaft sleeve
- High efficiency hydraulics
- Low operating costs
- Two year warranty
- Optional Cycloseal® with type 1 mechanical seal
- Optional Run-Dry™ lubrication system
- "Shower curtain shield" bearing protection
- Double volute

| PARTS                             | STANDARD MATERIAL<br>(CAST IRON<br>BRONZE FITTED) |
|-----------------------------------|---------------------------------------------------|
| <b>WEAR RINGS</b>                 | Bronze SAE 660                                    |
| <b>IMPELLER</b>                   | Bronze SAE 40                                     |
| <b>VOLUTE</b>                     | Cast Iron ASTM A48 CL30                           |
| <b>SHAFT</b>                      | Carbon Steel                                      |
| <b>SHAFT SLEEVE</b>               | Bronze SAE 660                                    |
| <b>BACKPLATE</b>                  | Cast Iron ASTM A48 CL30                           |
| <b>PACKING (STANDARD)</b>         | Graphited Acrylic                                 |
| <b>MECHANICAL SEAL (OPTIONAL)</b> | Single T-1, Buna, Carbon/<br>Ceramic              |
| <b>MOTOR</b>                      | Open drip-proof w/ 1.15 service<br>factor         |





DATA SHEET

# 5RB-CC

AGRICULTURE

FOOD

INDUSTRIAL

MINING

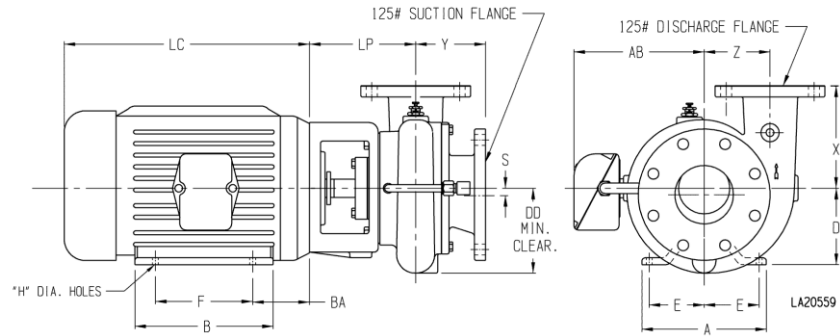
MUNICIPAL

OIL & GAS

REFRIGERATION

RENTAL

# 5RB-CC



## PUMP DIMENSIONS

| MODEL | CONNECTION |         | DISCHARGE INCREMENT | AK DIM. | DD    | S   | X  | Y    | Z  | LP    |
|-------|------------|---------|---------------------|---------|-------|-----|----|------|----|-------|
|       | DISCHARGE  | SUCTION |                     |         |       |     |    |      |    |       |
| 5RB   | 5          | 8       | 90°                 | 12.5    | 14.25 | .88 | 11 | 9.78 | 10 | 10.62 |

## MOTOR DIMENSIONS

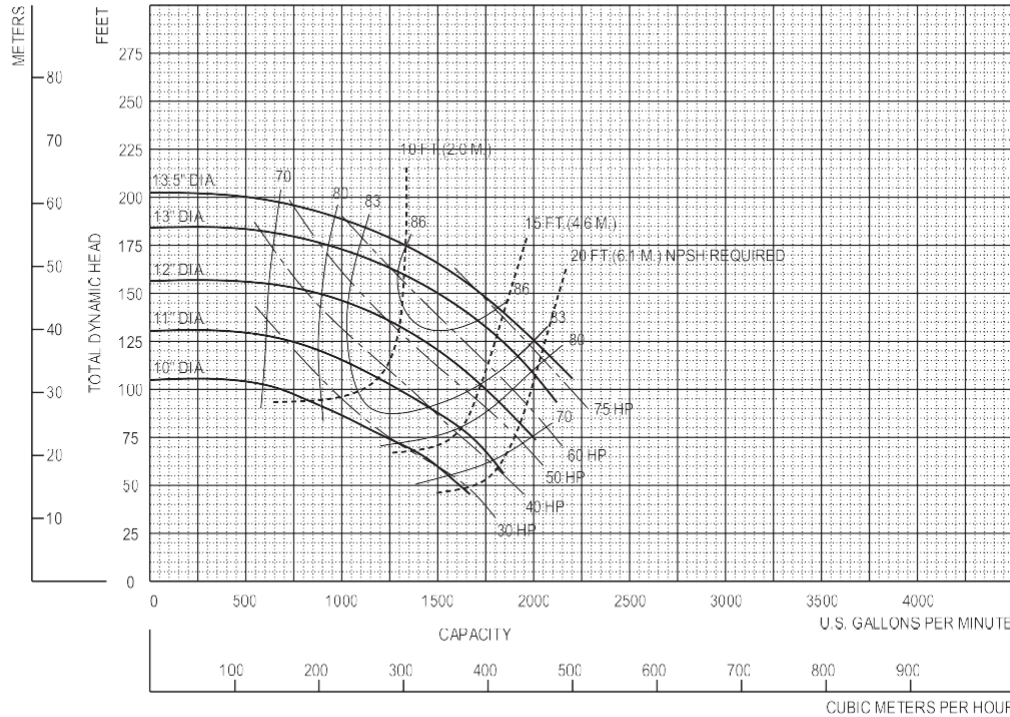
| MOTOR FRAME | AK DIM. | A     | B     | D  | E    | F     | H    | AB    | BA   | LC    |
|-------------|---------|-------|-------|----|------|-------|------|-------|------|-------|
| 324-6       | 12.5    | 14.25 | 14    | 8  | 6.25 | 12    | 0.66 | 12.22 | 5.5  | 22.19 |
| 364-5       | 12.5    | 15.75 | 14    | 9  | 7    | 12.25 | 0.66 | 13.2  | 6.12 | 24.31 |
| 404-5       | 12.5    | 18.5  | 16.62 | 10 | 8    | 13.75 | 0.81 | 16.39 | 6.88 | 29.97 |

Feet x .305 = Meters  
Inches x 25.4 = Millimeters  
GPM x .227 = Cubic Meters/Hour  
GPM x 3.785 = Liters/Minute  
HP x .746 = KW

| Speed | Impeller Dia. | Style    | Solids Dia. | N <sub>S</sub> | Suction | Discharge | No. vanes |
|-------|---------------|----------|-------------|----------------|---------|-----------|-----------|
| 1780  | VARIOUS       | ENCLOSED | 1.0"        | 1654           | 8"      | 5"        | 6         |

DOUBLE VOLUTE

MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration, with packing. Other mounting configurations, seal arrangements or liquids may require horsepower and/or performance adjustments.

NEW PAGE

5RB18

12/1/14

KamalBlower Solutions LLC

5RB - 1800 RPM