



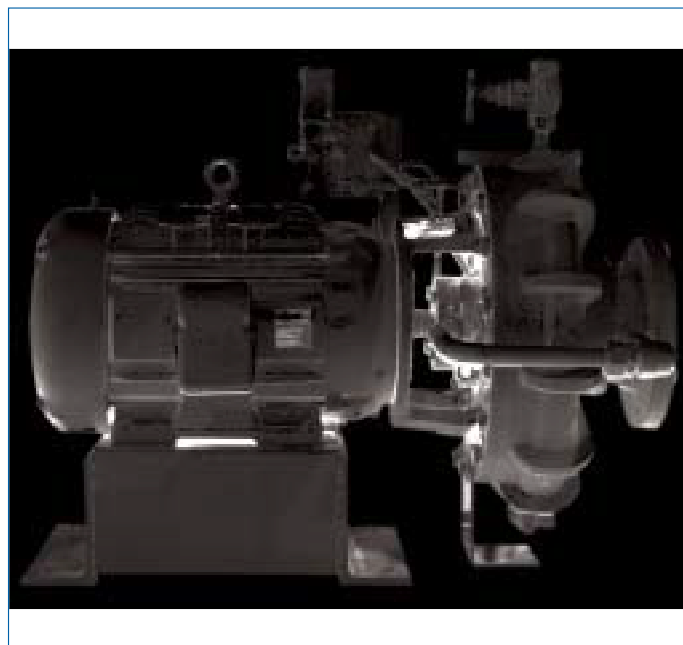
PRODUCT DATA SHEET

KAMAL BLOWER SOLUTIONS LLC

Model 4CB Refrigeration Pump

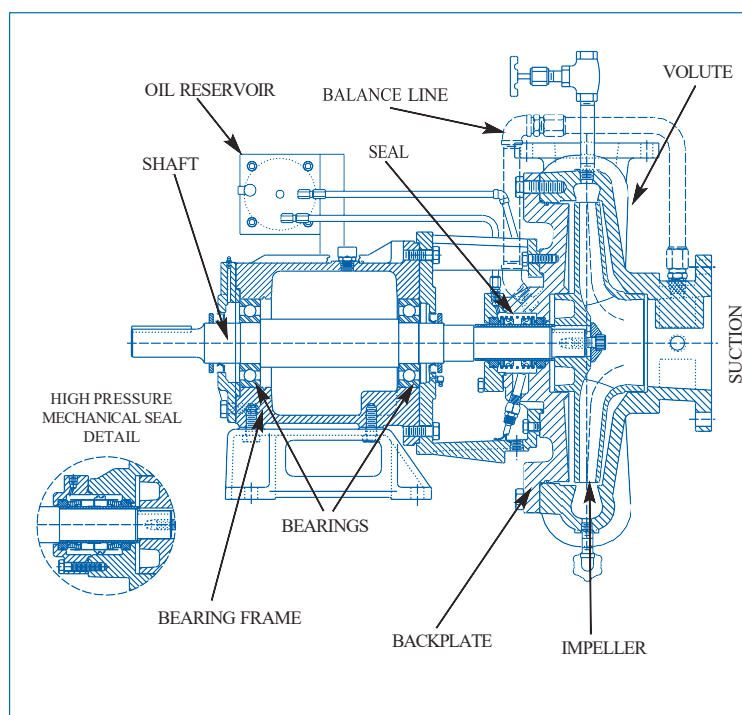
PUMP SPECIFICATION

- 4CB Close coupled refrigerant pump
- 6" x 4" Class 150 Flanged suction & discharge
- Constructed of ASTM A536 60-40-18 Ductile Iron
- Industry leading two year warranty
- Six pole (1200/1000RPM) operating speed
- Optional mounting configurations available
- Polar white
- **Mechanical Seal:**
John Crane, 2.25", T-2, double mechanical shaft seal with pressurized barrier fluid lubrication system, low oil limit switch, and seal chamber heater to maintain proper barrier oil viscosity
- **Motor Specification:**
Close coupled to a totally enclosed fan cooled, refrigerant atmosphere, hostile environment, premium efficiency motor, with class "F" installation; suitable for VFD applications

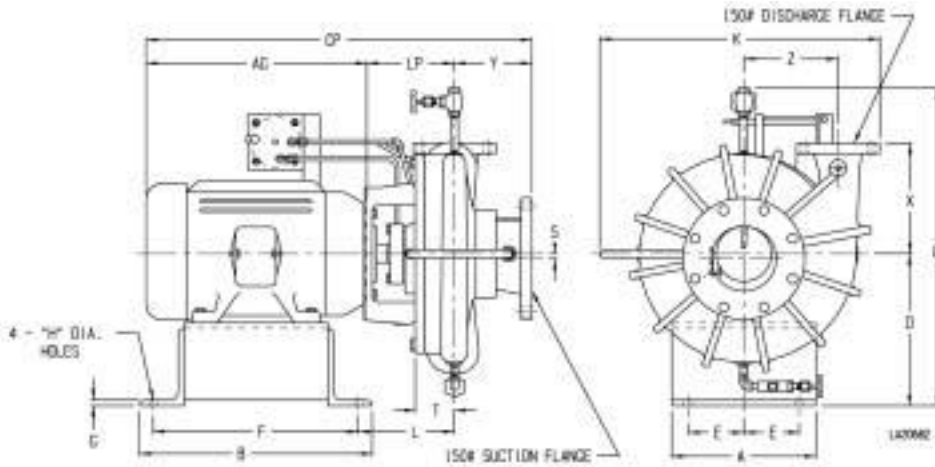


FEATURES & BENEFITS

- **Refrigerant Emission Free™ Sealing Technology**
 - an ultra-reliable system consisting of two mechanical seals mounted back to back
 - inboard seal prevents escape of refrigerant from the pump casing
 - outboard seal acts as a fail-safe or backup, and provides containment of a system compatible barrier fluid.
- **NPSHR**
 - exceptional NPSHR characteristics
 - characteristics are enhanced throughout entire operating range due to the single stage impeller and six pole operating speed
- **Vapor Entrainment**
 - seals are oil lubricated, and do not rely on the presence of pumpage for lubrication or cooling
 - the double mechanical sealing system allows the pump to continue to run until the system stabilizes and the pump reprimed itself - nuisance-tripping is avoided



PUMP DIMENSIONS



NOTES:

1. Motor dimensions are TEFC NEMA standard.
2. Motor dimensions may vary depending on manufacturers.
3. Flange connection dimension can vary $\pm .12$ inch.
4. Do not use for construction unless certified.
5. Overall dimensions can vary $\pm .12$ inch.

| Model | NEMA Frame | CONNECTION | | | A | B | CP | D | E | F | G | H | K | L | LP | O | T | X | Y | Z |
|-------|------------|------------|-------|------|------|------|-------|------|---|------|-----|------|------|------|------|------|------|------|------|------|
| | | Disch. | Suct. | Type | | | | | | | | | | | | | | | | |
| 4CB | 284-286 | 4.0 | 6.0 | FLG. | 13.0 | 21.0 | 38.24 | 14.5 | 5 | 18.5 | 0.5 | 0.75 | 28.5 | 9.69 | 8.19 | 31.5 | 2.94 | 12.5 | 7.75 | 9.88 |
| 4CB | 324-326 | 4.0 | 6.0 | FLG. | 15.0 | 23.0 | 38.24 | 15.5 | 6 | 20.0 | 0.5 | 0.75 | 28.5 | 9.69 | 8.19 | 32.5 | 2.94 | 12.5 | 7.75 | 9.88 |

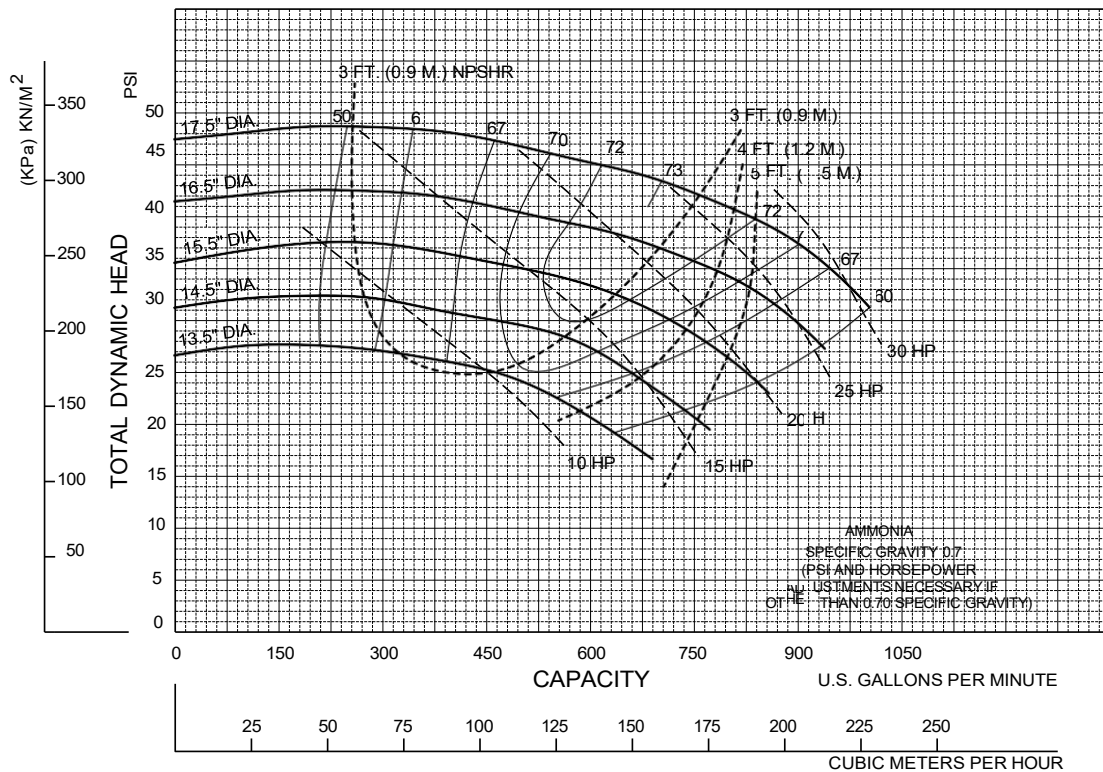
PERFORMANCE CURVES

4CB 1200 RPM

| Speed | Impeller Dia. | Style | Solids Dia. | N _S | Suction | Discharge | SG |
|-------|---------------|----------|-------------|----------------|---------|-----------|-----|
| 1170 | VARIOUS | ENCLOSED | .44" | 800 | 6" | 4" | 1.0 |

SINGLE VOLUTE

MOUNTING CONFIG.: CC, F



08/22/01