

Model KLRC-525, KLRC-526

Direct Driven

Belt Driven

Features

- Impellers positively locked to shaft
- Reliable mechanical seals for high-integrity sealing and low shaft friction
- Center-anchored tie rods allow access to either end of the pump without total disassembly
- Precision casting and CNC machining eliminates the need for body gasketing (process dependent)
- Replaceable end plates
- Clearance adjustments via shims
- Made in the USA



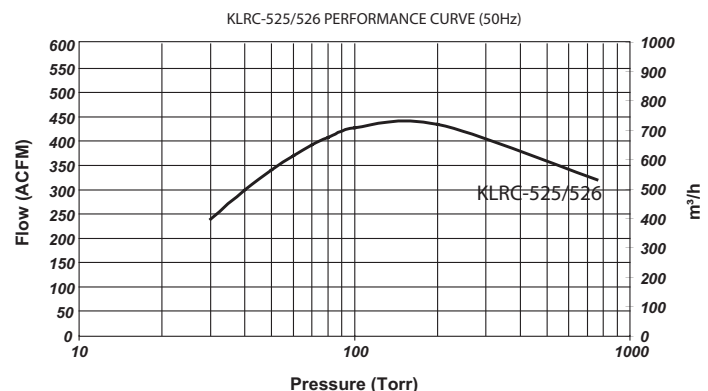
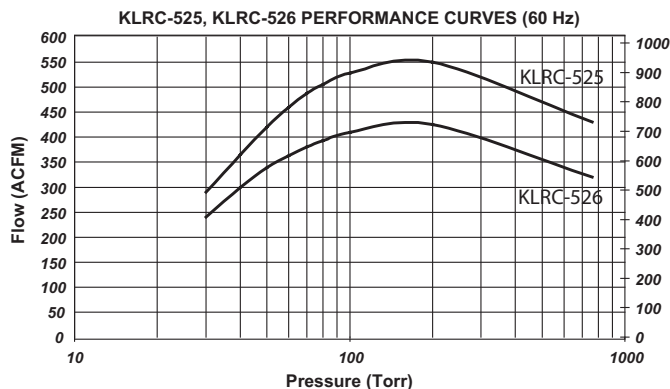
| KLRC - 525/526 Material & Seal Code | | |
|---|---|---|
| KLRC-200/300 XY | X | Material code |
| | Y | Mechanical seal code |
| Material Code (X) | F | Cast iron casings, SS316L impellers & SS316 shaft |
| | C | All wetted parts SS316L & SS316 shaft |
| Mechanical Seal Code (Y) | A | John Crane Type 21 Carbon/Ceramic/Viton |
| | D | Flowserve Type RO Carbon/Durchrome/Viton. |
| | L | PTFE encapsulated Viton O-Rings |
| Consult factory for alternate seal configurations | | |

| Specifications | KLRC-525** | | KLRC-526* | |
|---------------------------------------|-------------------------|----------|-----------|----------|
| | 60 Hz | 50 Hz | 60 Hz | 50 Hz |
| Motor Power | 50 HP | | 40 HP | |
| Pump Speed | 1750 RPM | 1450 RPM | 1450 RPM | 1450 RPM |
| Seal Water Flow | 18 GPM | | | |
| Noise Level | 79 dBA @ 60 Torr (3 ft) | | | |
| Maximum Allowable Suction Temperature | 220°F (Hot Pump) | | | |

* V-Belt drive

** Direct Drive

Typical Pumping Speed Curves



- 1.) Above performance data based on 68° F inlet air with 50% relative humidity and using water as a sealant at 60° F.
- 2.) All SS pump capacity less 10%

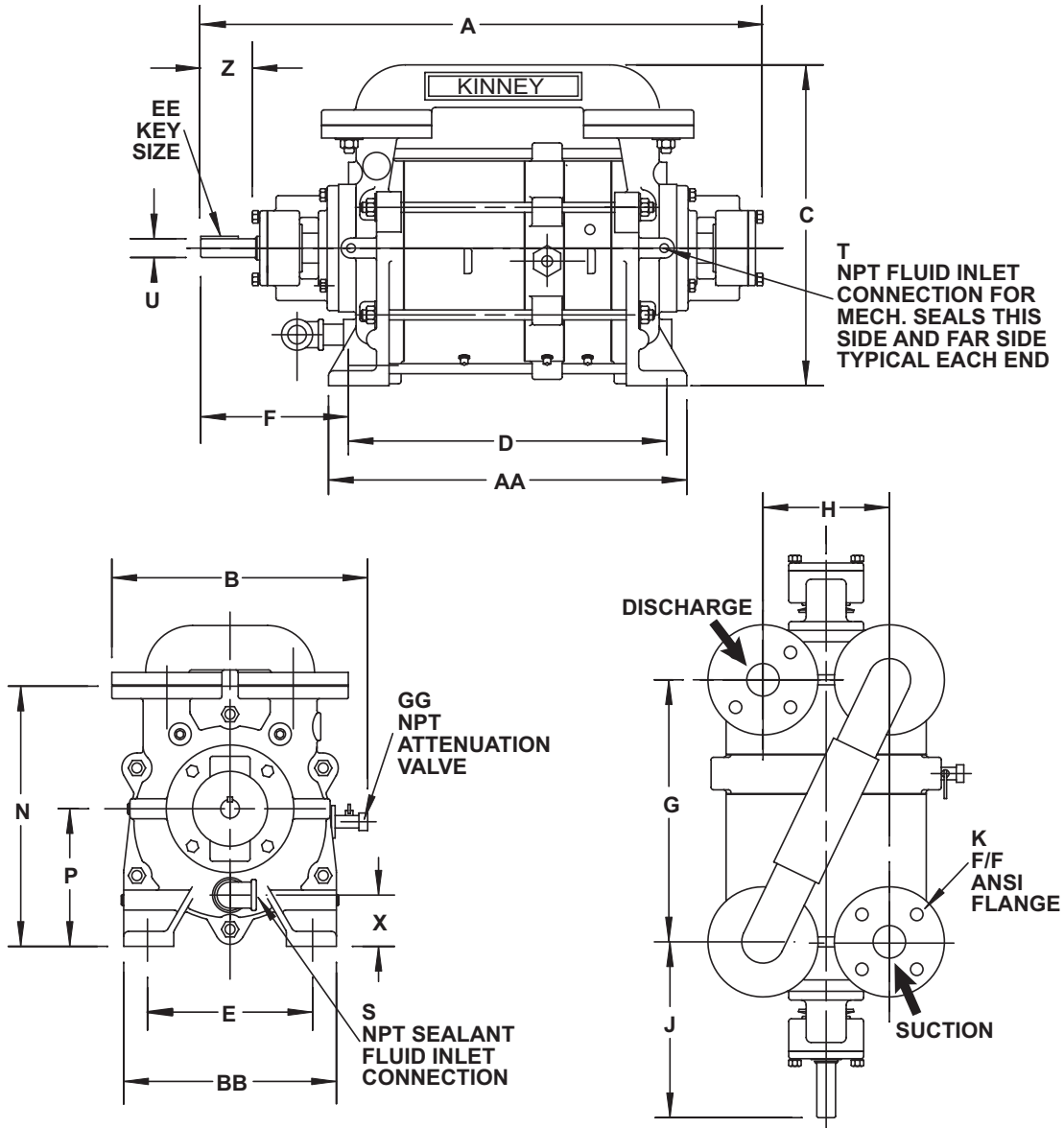
Dimensions

Values shown are approximate and should not be used for construction.
 Certified drawings are available through your local Tuthill Vacuum & Blower Systems Sales Professional.

Bare Shaft Pump

Models: **KLRC-525 & KLRC-526**

PUMP ROTATION CLOCKWISE
 FACING PUMP SHAFT

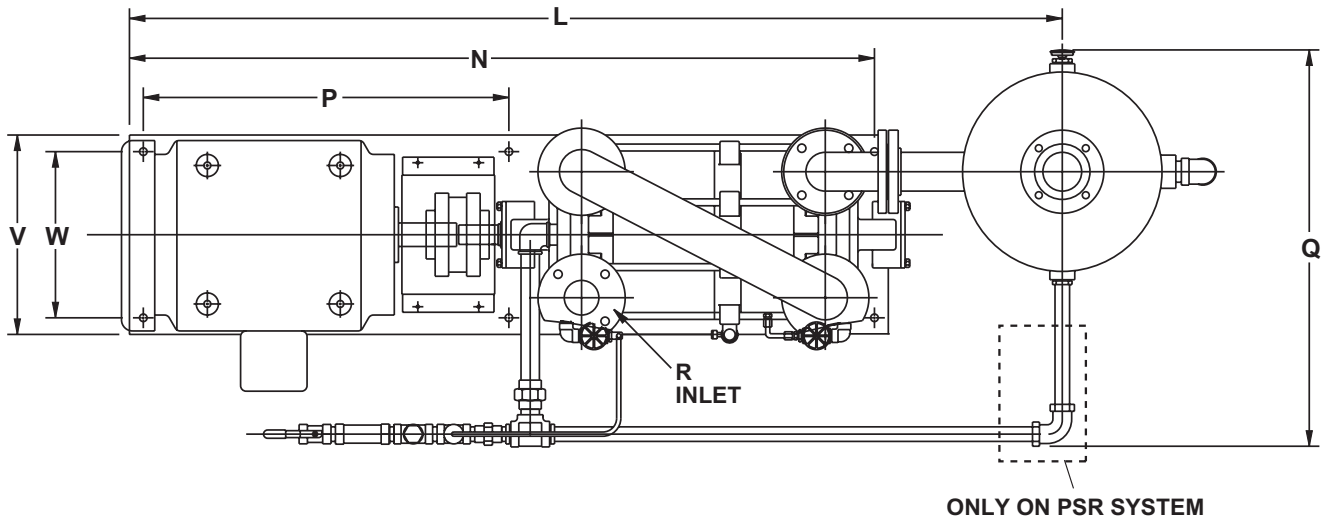
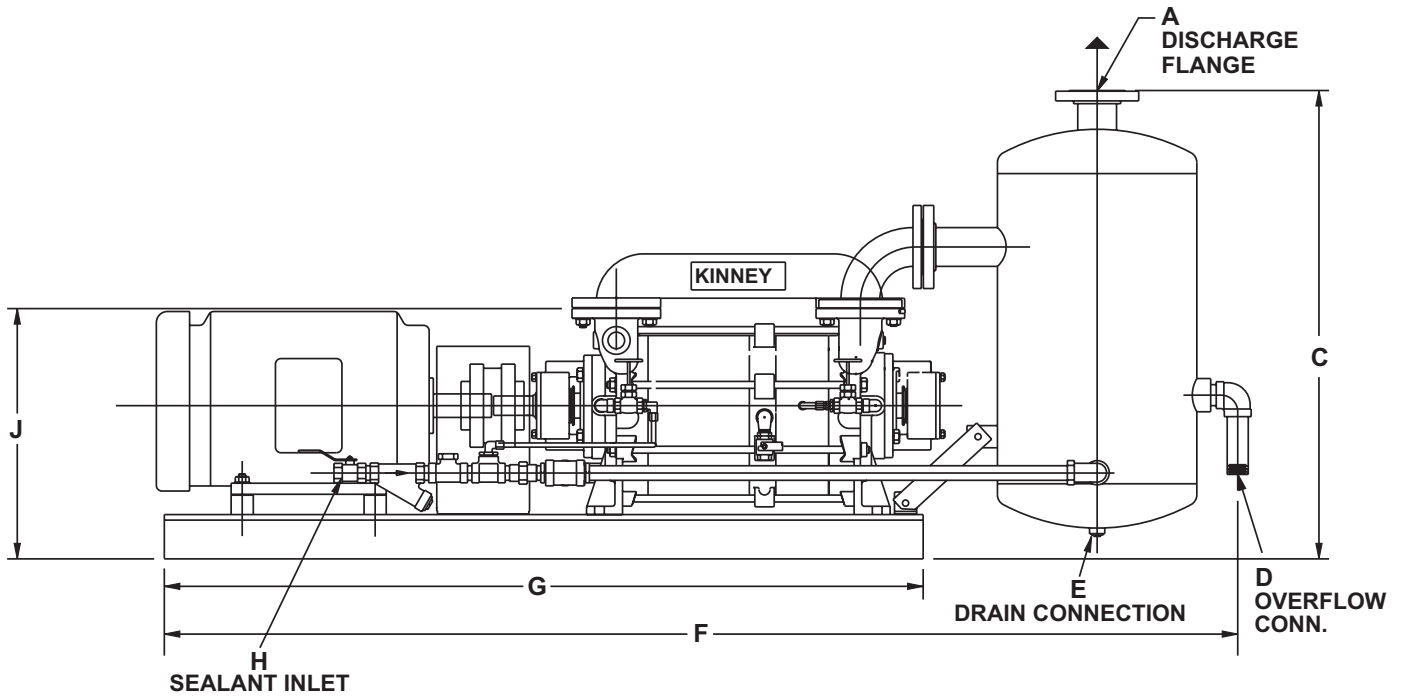


| in mm | A | B | C | D | E | F | G | H | J | K | N |
|--------------|------------|---------------|---------------|----------------|---------------|---------------|-----------|---------------|---------------|----|----------------|
| KLRC-525/526 | 41 1041 | 18 7/8 479 | 23 1/2 596 | 25 1/16 637 | 12 5/8 320 | 9 9/16 243 | 22 559 | 11 3/8 288 | 11 1/8 283 | 3" | 18 9/16 472 |

| in mm | P | S | T | U | X | Z | AA | BB | EE | GG | APPROX. WEIGHT LBS / kg |
|--------------|----------------|--------|----------|--------|-------------|-------------|---------------|---------------|-----------|------|-------------------------------|
| KLRC-525/526 | 9 13/16 249 | 1 1/4" | 1/2 NPTF | 1 3/4" | 3 3/4 95 | 3 1/2 89 | 27 3/8 695 | 15 3/4 400 | 3/8 x 3/8 | 3/4" | 800 / 363 |

NSR (No Sealant Recovery) & PSR (Partial Sealant Recovery) System

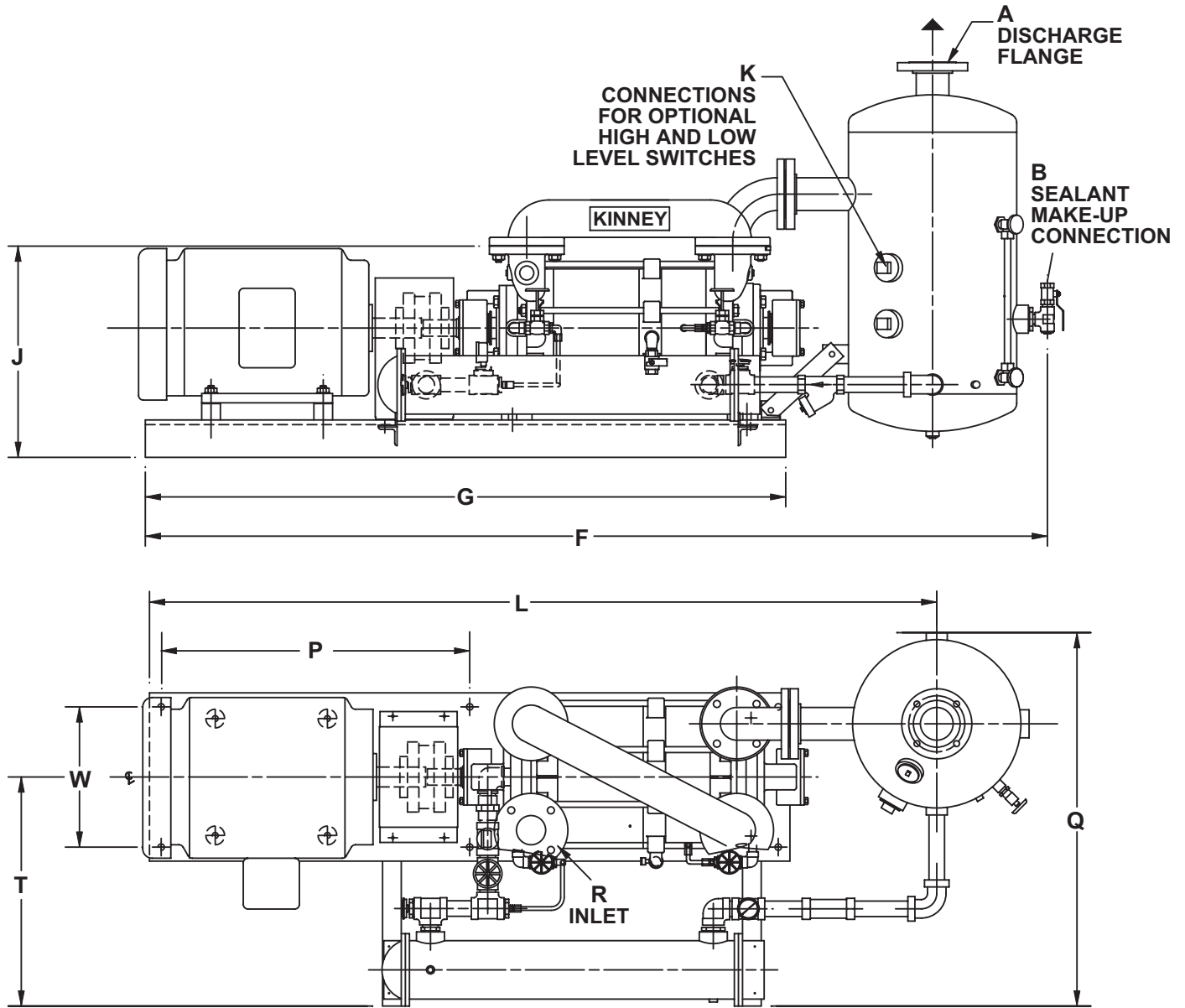
Models: KLRC-525 & KLRC-526



| in mm | A | C | D | E | F | G | H | J | L | N | P | Q | R | V | W | APPROX. WEIGHT LBS / kg |
|----------|-----------------------------|----------------|---------------|-------------|-----------------|----------------|-----------|----------------|----------------|------------|-----------|-----------------|------------------|-----------|-----------|-------------------------------|
| KLRC-525 | 3" ANSI 150 LB FLANGE | 42 1/4 1073 | 1 1/2" NPT | 3/4" NPT | 97 9/16 2478 | 68 1/2 1740 | 1" NPT | 22 9/16 573 | 84 1/4 2140 | 66 1676 | 33 838 | 36 11/16 932 | 3" F/F FLANGE | 18 457 | 15 381 | 1755 796 |

FSR (Full Sealant Recovery) System

Models: KLRC-525 PLEASE CONSULT FACTOR FOR DRAWING OF KLRC-526



| in mm | A | B | F | G | J | K | L | P | Q | R | T | W | APPROX. WEIGHT LBS / kg |
|----------|-----------------------------|-------------|----------------|----------------|----------------|---------------|-----------------|-----------|----------------|------------------|---------------|-----------|-------------------------------|
| KLRC-525 | 3" ANSI 150 LB FLANGE | 3/4" NPT | 96 7/8 2461 | 68 1/2 1740 | 22 9/16 573 | (2) 2" NPT | 84 3/16 2138 | 33 838 | 40 3/4 1035 | 3" F/F FLANGE | 24 1/2 622 | 15 381 | 2400 1089 |

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