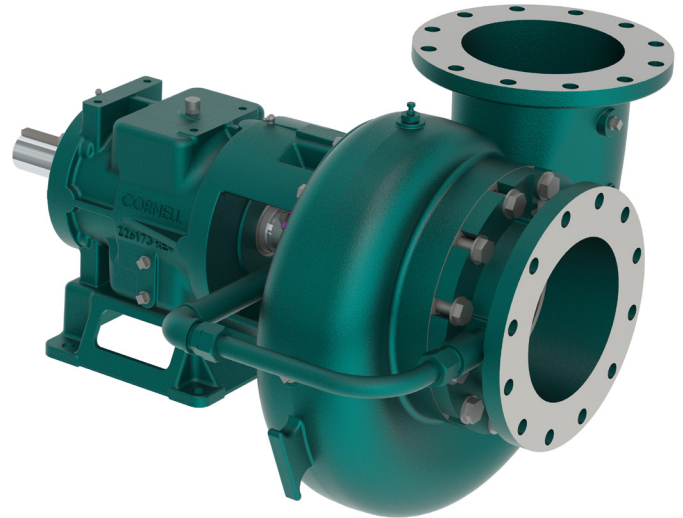


10YB-F



| AVAILABLE MOUNTING CONFIGURATIONS | |
|------------------------------------|--|
| 10YB-RP-F REDI-PRIME FRAME MOUNT | |
| 10YB-RP-EM REDI-PRIME ENGINE MOUNT | |
| 10YB-F FRAME MOUNT | |
| 10YB-EM ENGINE MOUNT | |

| OPERATING LEVELS | | |
|------------------|-------------------|----------------------|
| MIN FLOW | 1,900 GPM | 431.54 m3/h |
| MAX FLOW | 6,850 GPM | 1,555.80 m3/h |
| DISCHARGE SIZE | 10" | 254 mm |
| SUCTION SIZE | 10" | 254 mm |
| MAX SPEED | 2,400 RPM | 2,400 RPM |
| SOLIDS HANDLING | 1.38" | 35.05 mm |
| MAX PRESSURE | 150 PSID | 1,034.21 kPa |
| SHUT-OFF HEAD | 205' @ 88.74 PSID | 62.48 m @ 611.84 kPa |
| BEP HEAD | 125' @ 54.11 PSID | 38.1 m @ 373.08 kPa |
| BEP FLOW | 5,400 GPM | 1,226.47 m3/h |
| BEP EFFICIENCY | 77% | 77% |



A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

| PARTS | CAST IRON BRONZE FITTED | ALL IRON |
|-----------------|--------------------------|--------------------------|
| WEAR RING | BRONZE SAE 660 | CAST IRON ASTM A48 CL30 |
| IMPELLER | BRONZE SAE 40 | CAST IRON ASTM A48 CL30 |
| VOLUTE | CAST IRON ASTM A48 CL30 | CAST IRON ASTM A48 CL30 |
| SHAFT | SAE 1144 "STRESSPROOF" | SAE 1144 "STRESSPROOF" |
| SHAFT SLEEVE | BRONZE SAE 660 | 416 STAINLESS STEEL |
| PACKING | GRAPHITED ACRYLIC | GRAPHITED ACRYLIC |
| MECHANICAL SEAL | T-1, BUNA-CARBON/CERAMIC | T-1, BUNA-CARBON/CERAMIC |
| BACKPLATE | CAST IRON ASTM A48 CL30 | CAST IRON ASTM A48 CL30 |
| BEARING FRAME | CAST IRON ASTM A48 CL30 | CAST IRON ASTM A48 CL30 |

The 10YB pump is designed with Cornell's renowned quality and durability. It features a 10" discharge, 10" suction, enclosed multi-vane impeller, and flanged tangential double volute. Available in standard Cast-Iron Bronze Fitted or All Iron. Optional Redi-Prime or Venturi Prime priming system is available. Pump end mounts to F18, EM18, F18DB & EM18DB bearing frames. Bearings are heavy-duty, grease lubricated, single or double ball bearings with a minimum of 20,000 hours bearing life.

- Industry-leading two-year warranty
- Industry-leading efficiencies
- External hydraulic balance line
- Replaceable suction wear rings and shaft sleeve
- Grease lubrication standard - oil optional
- Heavy-duty modular bearing frame
- Large shaft and bearings
- RunDry™ option (Indefinite run dry capability)
- Optional Cycloseal® with T-1 mechanical seal
- SAE #1, 2, or 3 engine mount available



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS

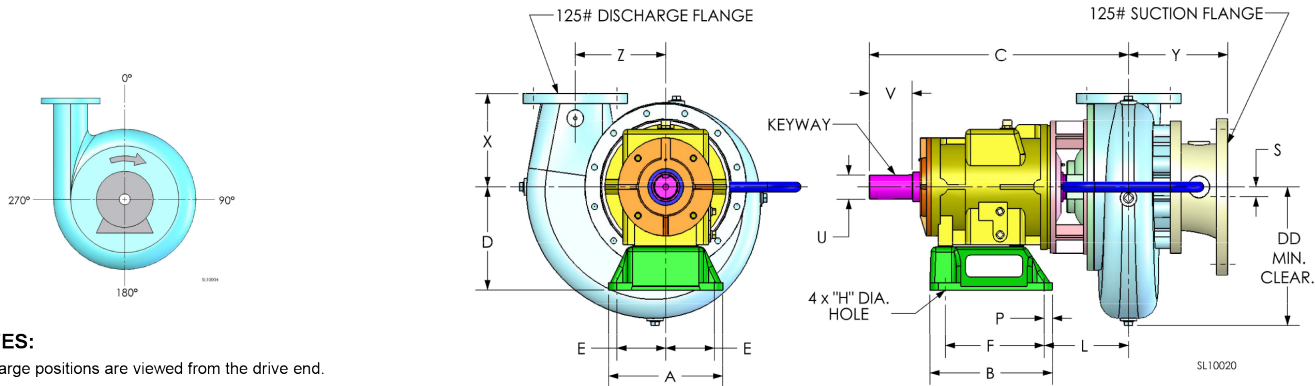


REFRIGERATION



RENTAL

10YB-F



NOTES:

Discharge positions are viewed from the drive end.
Standard increments of discharge position are shown in the chart below (DISCH INCR). Consult factory for other discharge positions.

NOTES:

1. "V" Dimension is maximum useable shaft.
2. Frame mounting foot thickness is .75".
3. Flange connection dimension can vary ± .12 inch.
4. Do not use for construction unless certified.

| PUMP DIMENSIONS | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|------------|-------|--------------|----|-------|-------|------|-------|------|-------|------|-------|------|---|-----|-----|----|------|------|---------|
| MODEL | FRAME | CONNECTION | | DISCH. INCR. | A | B | C | D | DD | E | F | H | L | P | S | U | V | X | Y | Z | KEYWAY |
| | | DISCH. | SUCT. | | | | | | | | | | | | | | | | | | |
| 10YB | F18/DB | 10 | 10 | 90° | 12 | 12.88 | 30.77 | 10.5 | 18.25 | 5.12 | 10.38 | 0.81 | 12.41 | 0.88 | - | 2.5 | 4.5 | 11 | 10.7 | 12.5 | .62X.31 |
| 10YBQ | F18/DB | 10 | 10 | 90° | 12 | 12.88 | 30.77 | 10.5 | 18.25 | 5.12 | 10.38 | 0.81 | 12.41 | 0.88 | - | 2.5 | 4.5 | 11 | 10.7 | 12.5 | .62X.31 |

