



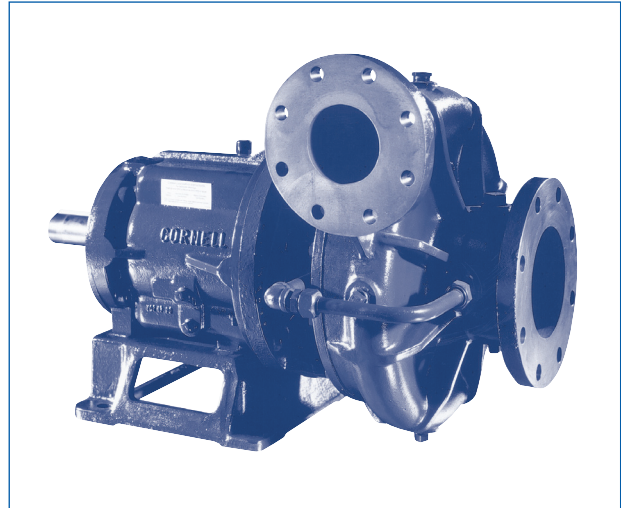
CORNELL PUMP COMPANY

H Series - Horizontal Frame Mounted

STANDARD SPECIFICATION

- Sizes Available:** 2.5H, 3HA, 3HC, 4HS, 4HH, 4HC, 5H, 5HH, 6H, 6HH, 8H
- Discharge Size** - 2.5 - 8 inch
- Casing** - cast iron ASTM A48, Class 30
- Wear Rings** - bronze SAE 660
- Impeller** - bronze SAE 40
- Backplate** - cast iron ASTM A48, Class 30
- Shaft Sleeve** - bronze SAE 660
- Shaft** - SAE 1144 Stressproof®
- Sealing Arrangement** - packing (Cycloseal® standard on HC pumps).

Other materials of construction and sealing options available.



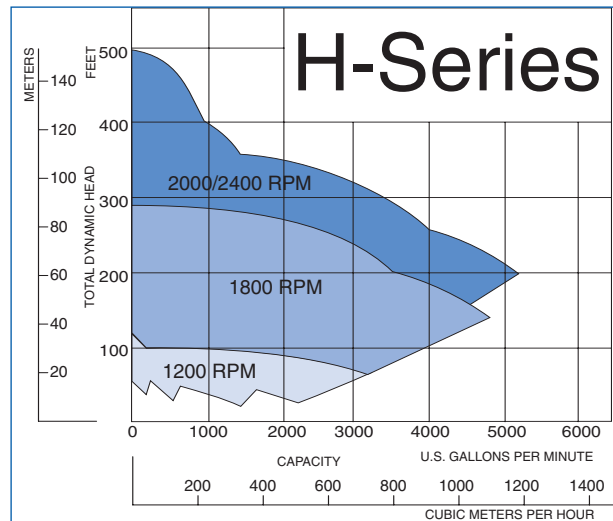
FEATURES AND BENEFITS

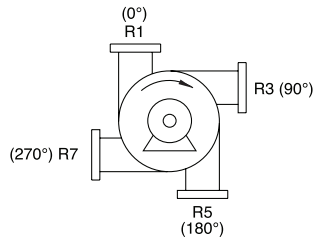
- Suited for medium to high capacity (GPM) with generally higher head (pressure)
- Flows to 5550 GPM/1260 CuM/Hr
- Pressures to 475 TDH/145 M
- Standard cast iron, bronze fitted construction
- External hydraulic balance line (except HC)
- Back pullout
- Double volute (standard on 4" and larger)
- High efficiency hydraulics
- Low operating cost
- Two year warranty

TYPICAL APPLICATIONS

- | | | | | |
|----------------------|----------------------|----------------------|-----------------------|----------------------|
| • Aquaculture | • Dow therm trans | • Golf course | • Irrigation | • Storm water |
| • Boiler feed | • Drip irrigation | • Gun system | • Linear | • Surface irrigation |
| • Brine | • Dust reduction | • Grey water | • Log pile irrigation | • Tail water return |
| • Chilled water | • End gun booster | • Hard hose traveler | • Micro spray | • Turf |
| • Condenser spray | • Flood irrigation | • Hot cooking oil | • Mining | • Water |
| • Construction | • Food plant process | • Impact sprinkler | • Petroleum | • Water booster |
| • Cooling tower | • Frost protection | • Industrial process | • Pivot | • Water transfer |
| • Dewatering systems | • Glycol | • Industrial sludge | • Power plant | • Wheel line |
| | | • Industrial waste | • Pulp and paper | |

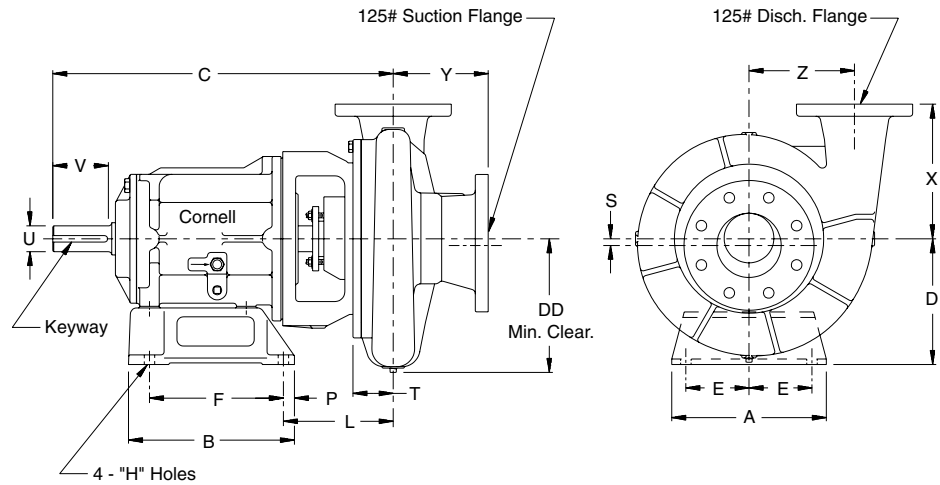
Stressproof® is a registered trademark of Niagara-LaSalle Steel.
Cycloseal® (patent #5489187)





Discharge positions viewed from drive end

Consult factory for availability of other discharge positions.



"V" dimension is maximum usable shaft.

Mounting foot thickness is .62 on F5, .75 on F16 and F18.

For 125# flange dimensions, see insert sheet ("American National Standard Institute Standards For Cast Iron Pipe Flanges").

Do not use for construction unless certified.

Flange connection dimension can vary $\pm .12$ inch.

PUMP DIMENSIONS

| Model | Frame | Disch. | Suct. | A | B | C | D | DD | E | F | H | L | P | S | T | U | V | X | Y | Z | Keyway |
|-------|-----------|--------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|-----------|
| 2.5H | F5 | 2.5 | 4 | 7.50 | 7.30 | 19.10 | 5.50 | 9.62 | 2.62 | 4.50 | 0.56 | 9.16 | 1.38 | 0.44 | 2.41 | 1.25 | 3.00 | 11.00 | 8.28 | 7.75 | .25 x .12 |
| 2.5H | F16 | 2.5 | 4 | 12.00 | 12.88 | 27.91 | 9.75 | 9.62 | 5.12 | 10.38 | 0.81 | 10.03 | 0.88 | 0.44 | 2.41 | 2.00 | 4.50 | 11.00 | 8.28 | 7.75 | .50 x .25 |
| 3HA | F16 | 3 | 6 | 12.00 | 12.88 | 28.09 | 9.75 | 11.12 | 5.12 | 10.38 | 0.81 | 10.22 | 0.88 | 0.44 | 2.72 | 2.00 | 4.50 | 10.00 | 8.53 | 8.50 | .50 x .25 |
| 3HA | F18/F18DB | 3 | 6 | 12.00 | 12.88 | 29.09 | 10.50 | 11.12 | 5.12 | 10.38 | 0.81 | 10.72 | 0.88 | 0.44 | 2.72 | 2.50 | 4.50 | 10.00 | 8.53 | 8.50 | .62 x .31 |
| 3HC | F16 | 3 | 6 | 12.00 | 12.88 | 24.84 | 9.75 | 11.12 | 5.12 | 10.38 | 0.81 | 7.00 | 0.88 | 0.44 | 2.72 | 2.00 | 4.50 | 10.00 | 8.53 | 8.50 | .50 x .25 |
| 3HC | F18 | 3 | 6 | 12.00 | 12.88 | 25.84 | 10.50 | 11.12 | 5.12 | 10.38 | 0.81 | 7.50 | 0.88 | 0.44 | 2.72 | 2.50 | 4.50 | 10.00 | 8.53 | 8.50 | .62 x .31 |
| 4HS | F16 | 4 | 6 | 12.00 | 12.88 | 28.03 | 9.75 | 11.50 | 5.12 | 10.38 | 0.81 | 10.16 | 0.88 | 0.44 | 2.66 | 2.00 | 4.50 | 12.50 | 8.53 | 9.12 | .50 x .25 |
| 4HS | F18/F18DB | 4 | 6 | 12.00 | 12.88 | 29.03 | 10.50 | 11.50 | 5.12 | 10.38 | 0.81 | 10.66 | 0.88 | 0.44 | 2.66 | 2.50 | 4.50 | 12.50 | 8.53 | 9.12 | .62 x .31 |
| 4HH | F16 | 4 | 6 | 12.00 | 12.88 | 28.12 | 9.75 | 14.88 | 5.12 | 10.38 | 0.81 | 10.25 | 0.88 | 0.44 | 2.75 | 2.00 | 4.50 | 9.50 | 8.97 | 11.25 | .50 x .25 |
| 4HH | F18/F18DB | 4 | 6 | 12.00 | 12.88 | 29.12 | 10.50 | 14.88 | 5.12 | 10.38 | 0.81 | 10.75 | 0.88 | 0.44 | 2.75 | 2.50 | 4.50 | 9.50 | 8.97 | 11.25 | .62 x .31 |
| 4HC | F16 | 4 | 8 | 12.00 | 12.88 | 25.94 | 9.75 | 12.75 | 5.12 | 10.38 | 0.81 | 8.09 | 0.88 | 0.88 | 3.81 | 2.00 | 4.50 | 11.00 | 10.88 | 9.75 | .50 x .25 |
| 4HC | F18 | 4 | 8 | 12.00 | 12.88 | 26.94 | 10.50 | 12.75 | 5.12 | 10.38 | 0.81 | 8.59 | 0.88 | 0.88 | 3.81 | 2.50 | 4.50 | 11.00 | 10.88 | 9.75 | .62 x .31 |
| 5H | F16 | 5 | 8 | 12.00 | 12.88 | 28.16 | 9.75 | 14.62 | 5.12 | 10.38 | 0.81 | 10.28 | 0.88 | 0.88 | 2.78 | 2.00 | 4.50 | 13.00 | 9.66 | 11.62 | .50 x .25 |
| 5H | F18/F18DB | 5 | 8 | 12.00 | 12.88 | 29.16 | 10.50 | 14.62 | 5.12 | 10.38 | 0.81 | 10.78 | 0.88 | 0.88 | 2.78 | 2.50 | 4.50 | 13.00 | 9.66 | 11.62 | .62 x .31 |
| 5HH | F16 | 5 | 8 | 12.00 | 12.88 | 28.81 | 9.75 | 16.25 | 5.12 | 10.38 | 0.81 | 10.94 | 0.88 | 0.44 | 3.44 | 2.00 | 4.50 | 11.00 | 10.53 | 10.25 | .50 x .25 |
| 5HH | F18/F18DB | 5 | 8 | 12.00 | 12.88 | 29.81 | 10.50 | 16.25 | 5.12 | 10.38 | 0.81 | 11.44 | 0.88 | 0.44 | 3.44 | 2.50 | 4.50 | 11.00 | 10.53 | 10.25 | .62 x .31 |
| 6H | F16 | 6 | 8 | 12.00 | 12.88 | 28.12 | 9.75 | 14.75 | 5.12 | 10.38 | 0.81 | 10.25 | 0.88 | 0.44 | 2.75 | 2.00 | 4.50 | 13.00 | 10.16 | 11.62 | .50 x .25 |
| 6H | F18/F18DB | 6 | 8 | 12.00 | 12.88 | 29.12 | 10.50 | 14.75 | 5.12 | 10.38 | 0.81 | 10.75 | 0.88 | 0.44 | 2.75 | 2.50 | 4.50 | 13.00 | 10.16 | 11.62 | .62 x .31 |
| 6HH | F16 | 6 | 8 | 12.00 | 12.88 | 29.12 | 9.75 | 17.12 | 5.12 | 10.38 | 0.81 | 11.25 | 0.88 | 0.44 | 3.75 | 2.00 | 4.50 | 12.00 | 10.41 | 12.00 | .50 x .25 |
| 6HH | F18/F18DB | 6 | 8 | 12.00 | 12.88 | 30.12 | 10.50 | 17.12 | 5.12 | 10.38 | 0.81 | 11.75 | 0.88 | 0.44 | 3.75 | 2.50 | 4.50 | 12.00 | 10.41 | 12.00 | .62 x .31 |
| 8H | F16 | 8 | 10 | 12.00 | 12.88 | 29.38 | 9.75 | 16.75 | 5.12 | 10.38 | 0.81 | 11.50 | 0.88 | 0.75 | 4.00 | 2.00 | 4.50 | 13.00 | 10.41 | 11.50 | .50 x .25 |
| 8H | F18/F18DB | 8 | 10 | 12.00 | 12.88 | 30.38 | 10.50 | 16.75 | 5.12 | 10.38 | 0.81 | 12.00 | 0.88 | 0.75 | 4.00 | 2.50 | 4.50 | 13.00 | 10.41 | 11.50 | .62 x .31 |

Dimensions are the same for grease and oil (K) lubricated frames.

Cornell Pump Company

POMP DIRECT

CERTIFIED TO ISO 9001:2000