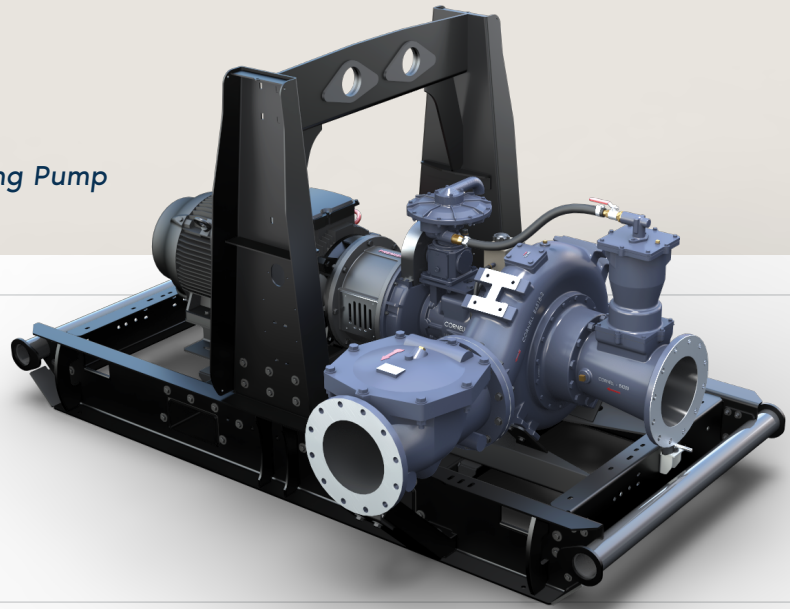


# 121217-E

*Vacuum Assisted. Heavy Duty Solids Handling Pump*



## PUMP

### SUCTION SIZE

12" AISI 125# flange

### DISCHARGE SIZE

12" AISI 125# flange

### SOLIDS HANDLING

3"

### MAX SUCTION LIFT

28'

### WEAR RING

ASTM A48. Class 30 cast iron

### VOLUTE CASING

Ductile iron. ASTM A536 65-45-12

### BACKPLATE

Ductile iron. ASTM A536 65-45-12

### MECHANICAL SEAL

Tungsten vs. silicon carbide seal faces. Viton elastomers. 300 series stainless steel hardware & spring. Seal system designed for dry indefinite running

### IMPELLER

Enclosed type. Two vane. Non-Clog. ASTM A48. Class 30 cast iron

### BEARING HOUSING

Grease lubricated. 100.000Hr B10 life. ASTM A48. Class 30 cast iron. Option for oil lubricated available

### SHAFT

17-4 Stainless steel ASTM A564. A747

## DRIVE

### MODEL

3-Phase. 60Hz. 460V.  
Class 1. Div 2. TEFC electric motor

### HORSEPOWER

250 HP

### OPERATING SPEED

1800 RPM.  
VFD Required for other RPMs

### CONTROL PANEL

Options for junction box. Across the line.  
Soft start. VFD available

available

## FRAME

### TYPE

Skid

### CONSTRUCTION

Heavy duty. powder coated. Fabricated steel. Fork pockets and lifting frame. Options for galvanizing available

## PRIMING

### PRIMING SYSTEM

50 CFM diaphragm vacuum pump. Mechanically driven

### AIR/WATER CHAMBER

Chamber designed to separate air and water before entering the pump case

### DISCHARGE CHECK VALVE

Swing type. Ductile iron w/ Buna-N Disc

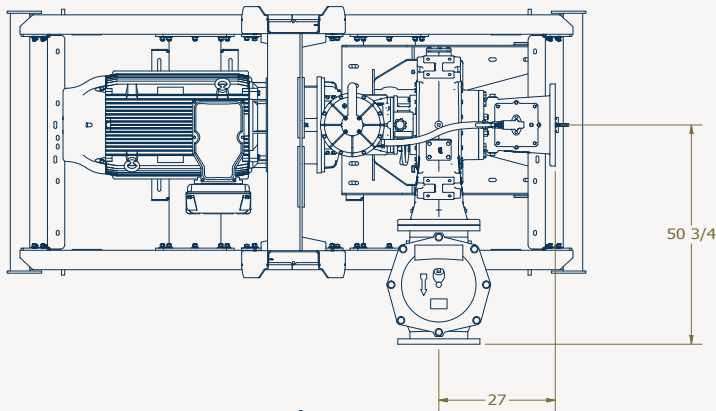
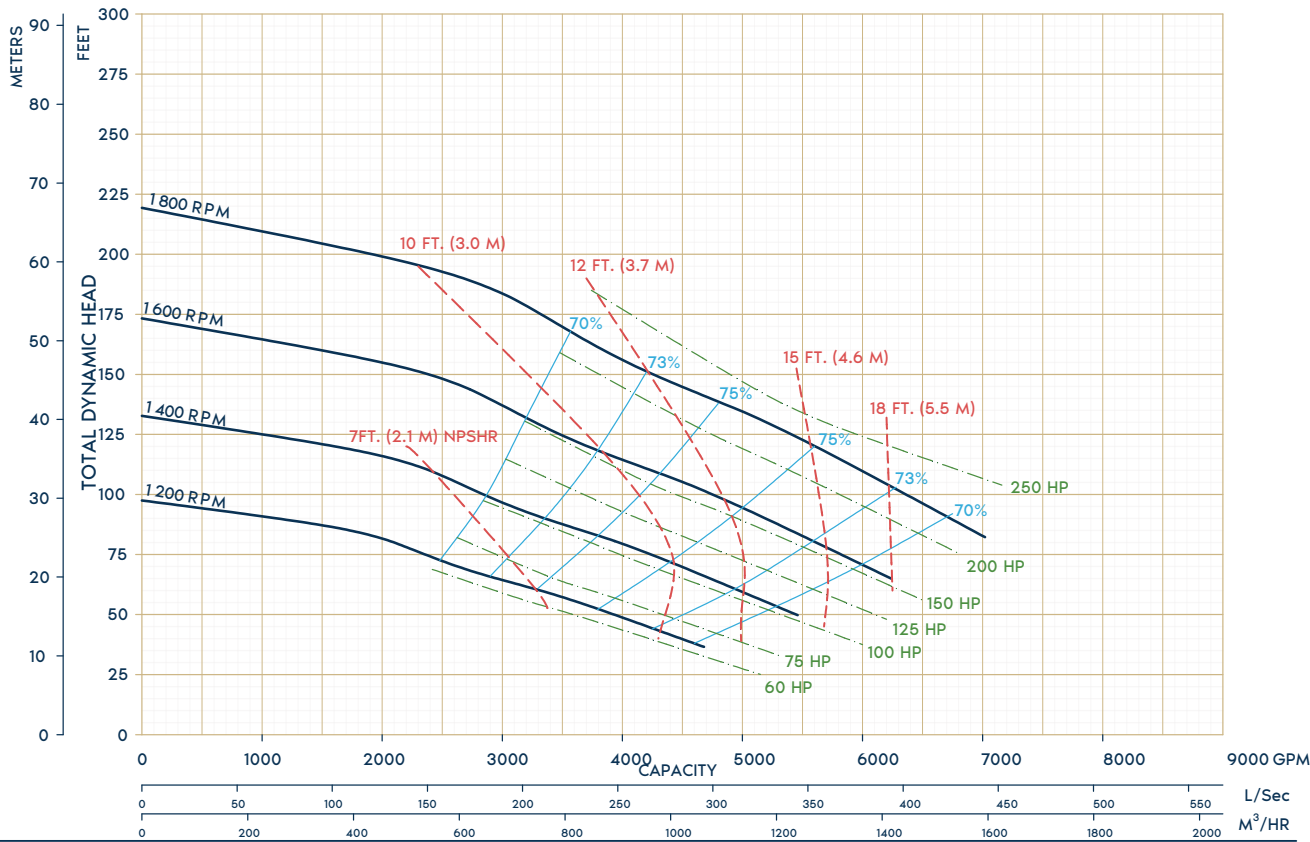
*Contact us for custom  
build features.*



**PREMIER**  
PUMP + POWER

Performances shown are for S.G. 1.0  
60°F water, frame mounted configuration.  
Other mounting styles or S.G.  
may require curve adjustments.

| Speed   | Impeller Dia. | Style    | Volute | Solids Dia. | N <sub>s</sub> | Suction | Discharge | No. Vanes |
|---------|---------------|----------|--------|-------------|----------------|---------|-----------|-----------|
| VARIOUS | 15.5" - 12°   | ENCLOSED | SINGLE | 3.38"       | 3270           | 12"     | 12"       | 2         |



SHIPPING WEIGHT: 7850 LBS. (DRY)

NOTES:  
1. DIMENSIONS TO BE USED AS REFERENCE ONLY. ACTUAL FIGURES MAY VARY.  
2. ALL HEIGHTS ARE DEPENDENT ON THE SITE CONDITIONS.

