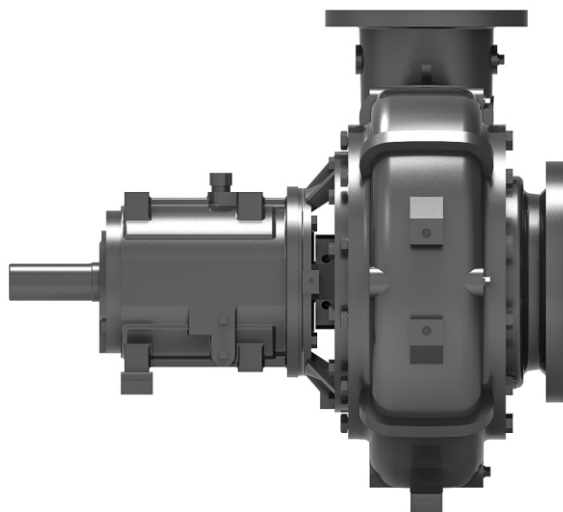


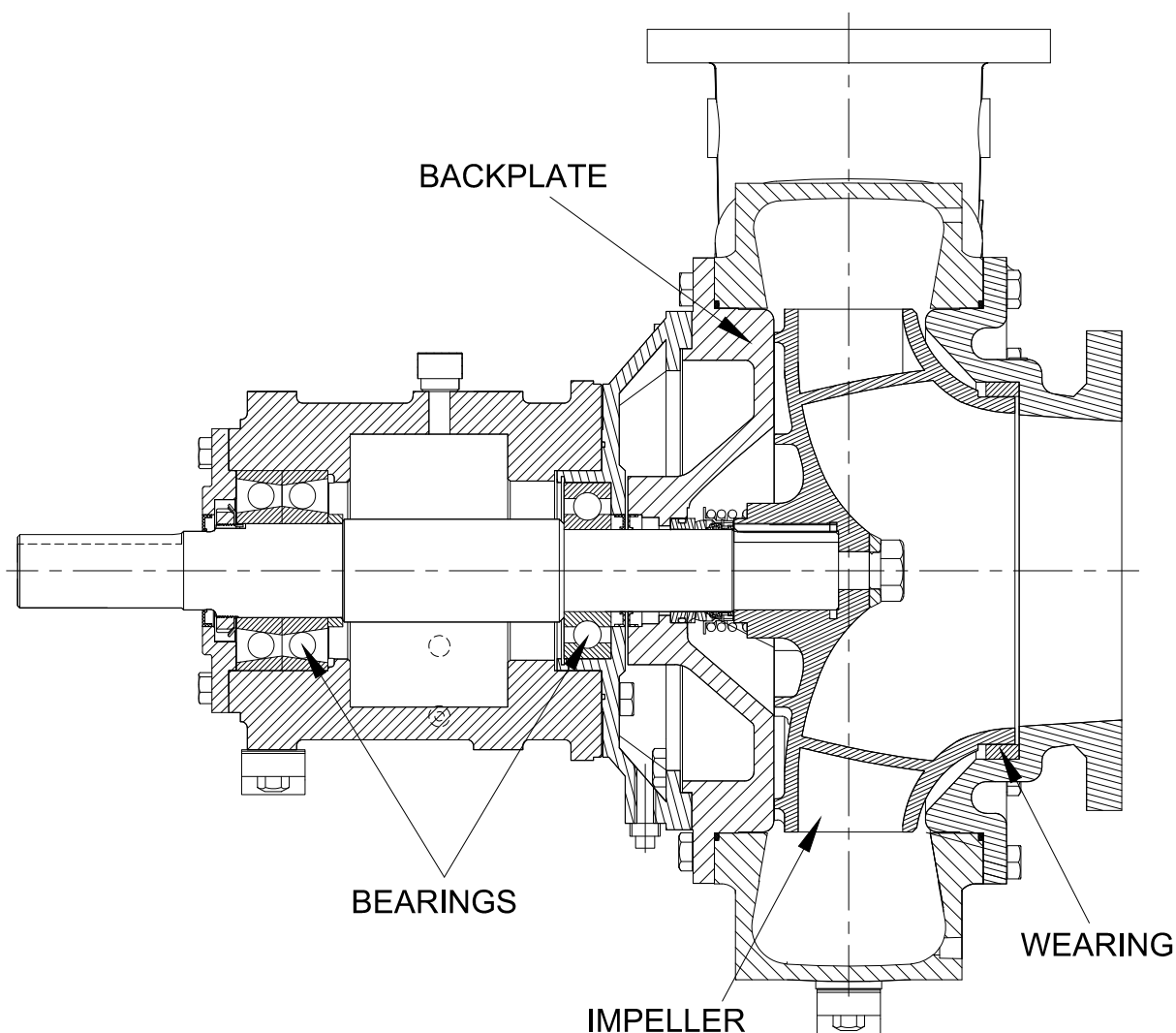


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MCL-P81017S



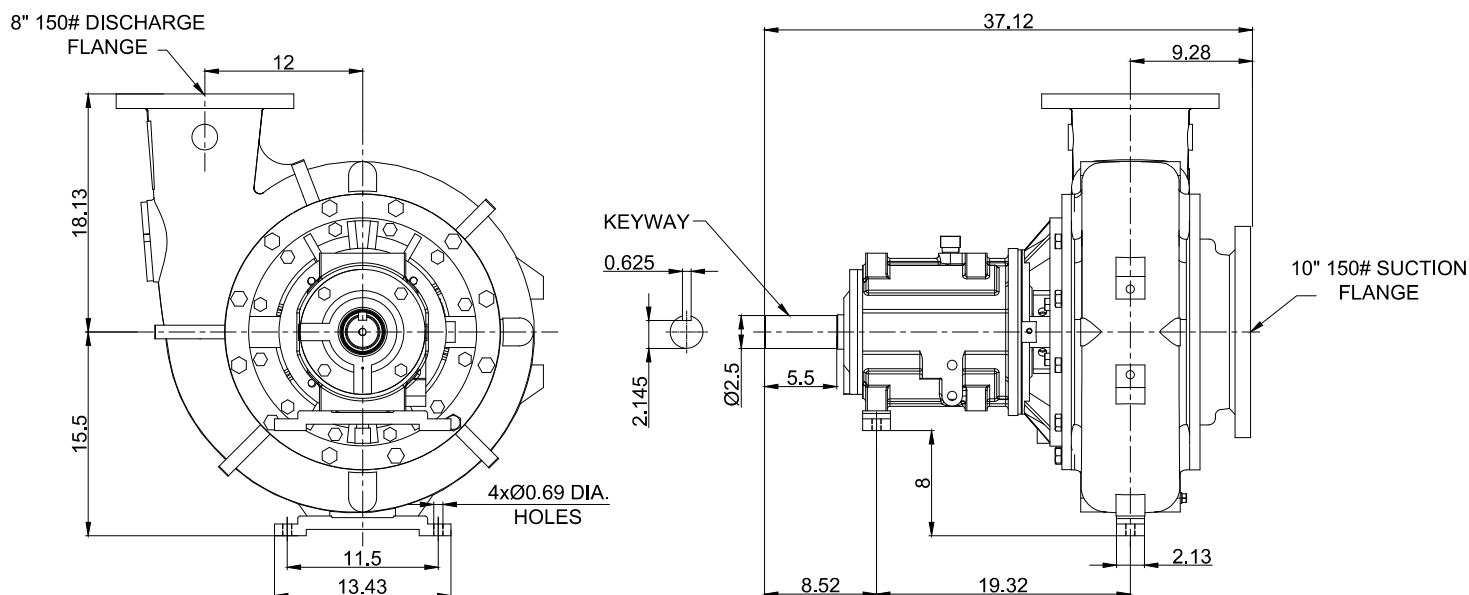
- Size :MCL-P81017S-8" discharge x 10" suction with 150# ductile iron flanges
- Casing : Ductile Iron
Impeller : Enclosed -2 vane . Handles 3.5" diameter solids
- Wear Rings : Replaceable
- Seal : with Run - Dry oil lubrication system . John Crane T -2 single mechanical seal with VitonR elastomers , stainless steel hardware and tungsten - vs . siliconcarbide seal faces for abrasion resistance
- Shaft : Heat treated 17-4PH stainless steel
- Bearings : Heavy duty , grease lubricated , deep groove ball bearings , with a minimum of 50,000 hours bearing life



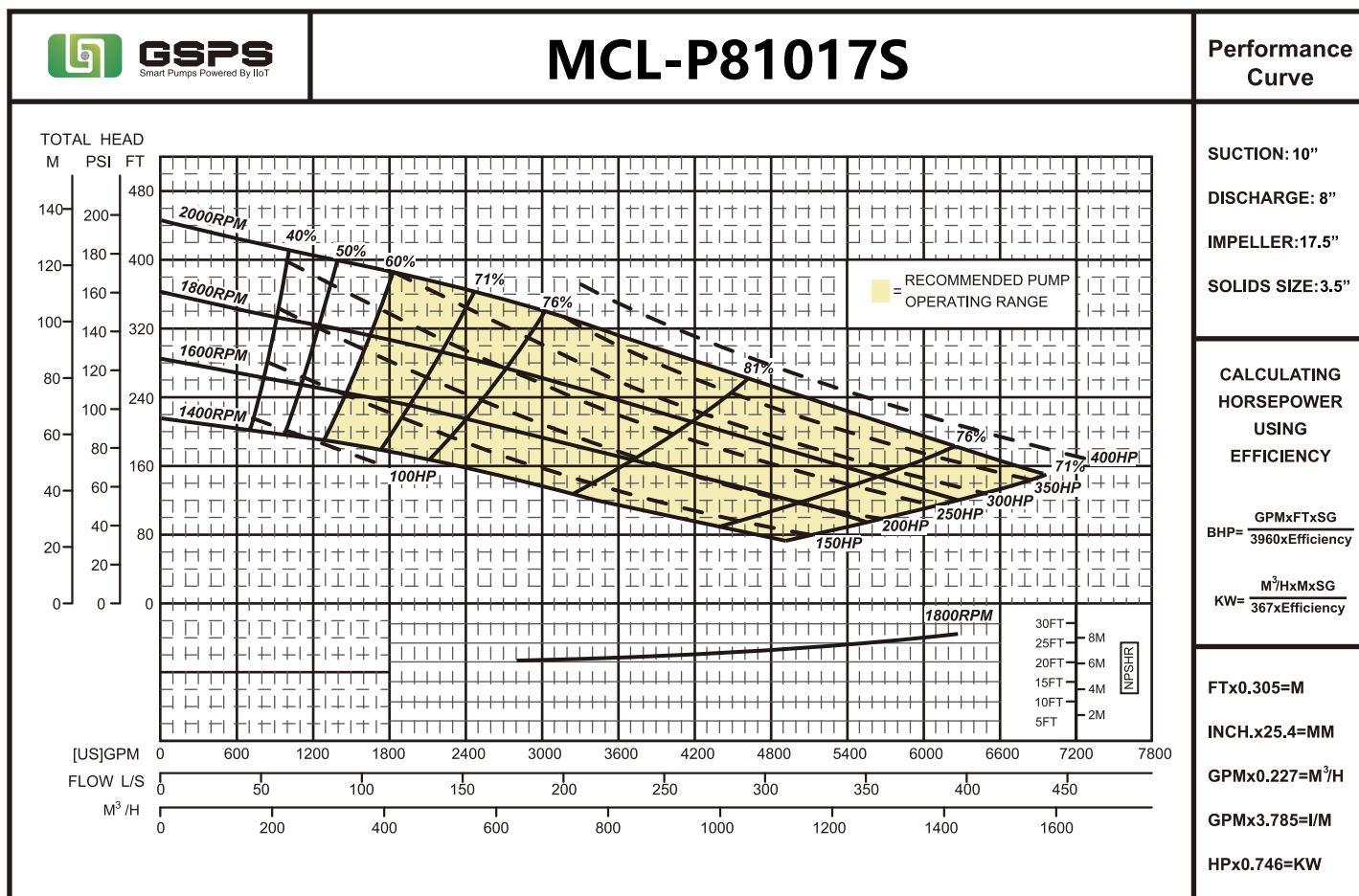


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PERFORMANCE CURVES

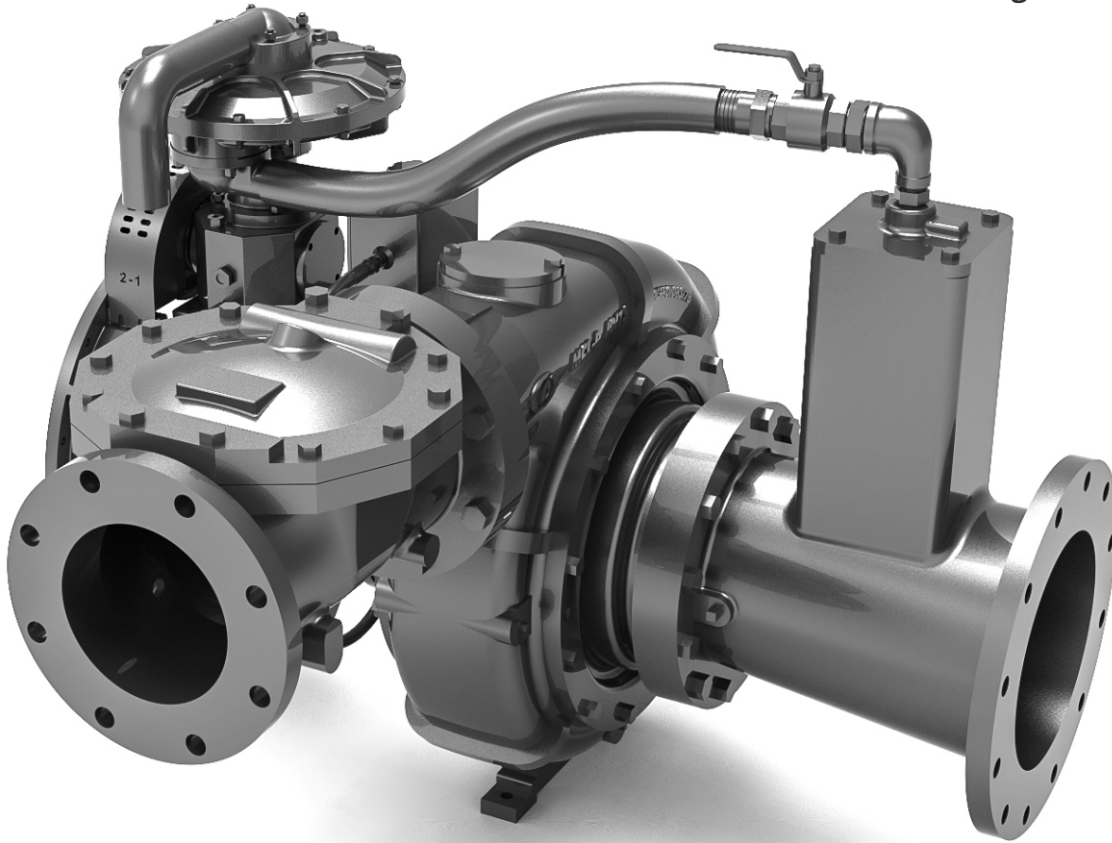




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3D Rendering of
Diesel Engine Drive Assembly



PUMP SPECIFICATIONS

- Size :MCL-P81017S-8" discharge x 10" suction with 150# ductile iron flanges
Casing : Ductile Iron
- Impeller : Enclosed -2 vane . Handles 3.5" diameter solids · Wear Rings : Replaceable
- Seal : with Run - Dry oil lubrication system . John Crane T -2 single mechanical seal with VitonR elastomers ,
• stainless steel hardware and tungsten - vs . siliconcarbide seal faces for abrasion resistance
- Shaft : Heat treated 17-4PH stainless steel
- Bearings : Heavy duty , grease lubricated , deep groove ball bearings , with a minimum of 50,000 hours bearing life
- Hardware : Stainless steel float linkage
- A positive seating vacuum priming valve prevents water carry - over to the vacuum , pump or atmosphere
- Vacuum Pump -50 SCFM Maximum



Diagram illustrating the components of a vacuum-assisted sewer pump station:

- DISCHARGE
- DISCHARGE CHECK VALVE
- VACUUM PUMP
- BEARINGS
- BACKPLATE
- IMPELLER
- BEARING FRAME
- WEARING
- VOLUTE
- SUCTION SPOOL
- AIR/WATER SEPARATOR
- BALL VALVE
- SUCTION

Technical drawings of the 12 inch Class 150 Cast Iron Vertical End Suction Pump. The drawings include a front view (VIEW 'A'), a side view (VIEW 'B'), and a detail view of the suction flange. Dimensions are provided in inches.

VIEW 'A'

- Overall width: 36.99
- Distance from left edge to centerline: 27.84
- Distance from centerline to right edge: 9.15
- Distance from centerline to discharge flange centerline: 17.83
- Distance from left edge to suction flange centerline: 19.32
- Distance from suction flange centerline to discharge flange centerline: 12
- Distance from left edge to motor base: 15.25
- Distance from motor base to suction flange centerline: 7.75
- Distance from suction flange centerline to discharge flange centerline: 2.13
- 12" CLASS 150 SUCTION FLANGE

VIEW 'B'

- Overall height: 42.22
- Distance from top to discharge flange centerline: 19.58
- Distance from discharge flange centerline to suction flange centerline: 18.13
- Distance from suction flange centerline to base: 14
- Distance from top to suction flange centerline: 15.25
- Distance from base to suction flange centerline: 1.5
- 8" CLASS 150 DISCHARGE FLANGE

Detail View of Suction Flange

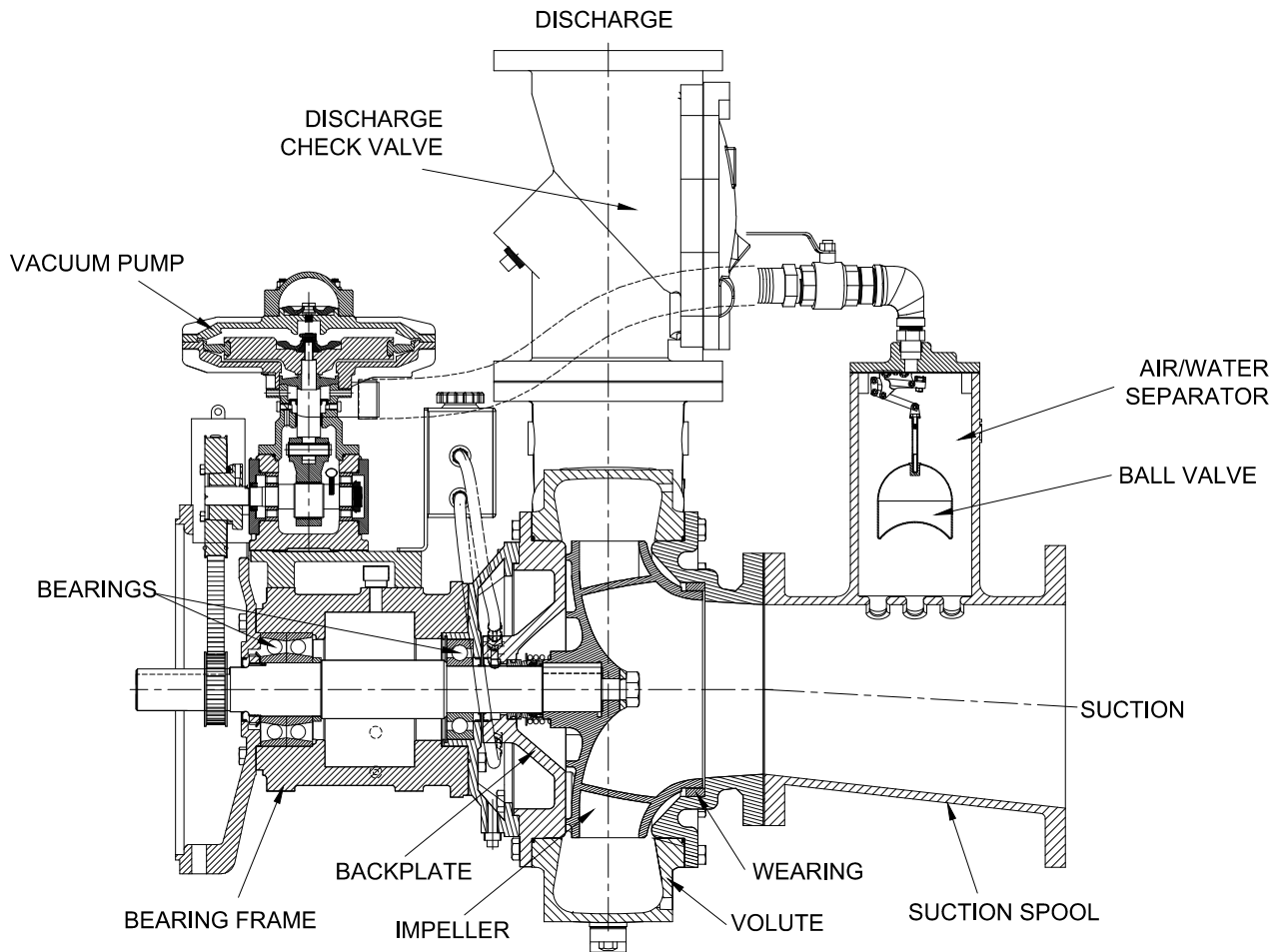
- 2xØ0.69 DIA. HOLES
- Distance from centerline to hole center: 11.5
- Distance from centerline to hole center: 13.43
- Distance from centerline to hole center: 2.13

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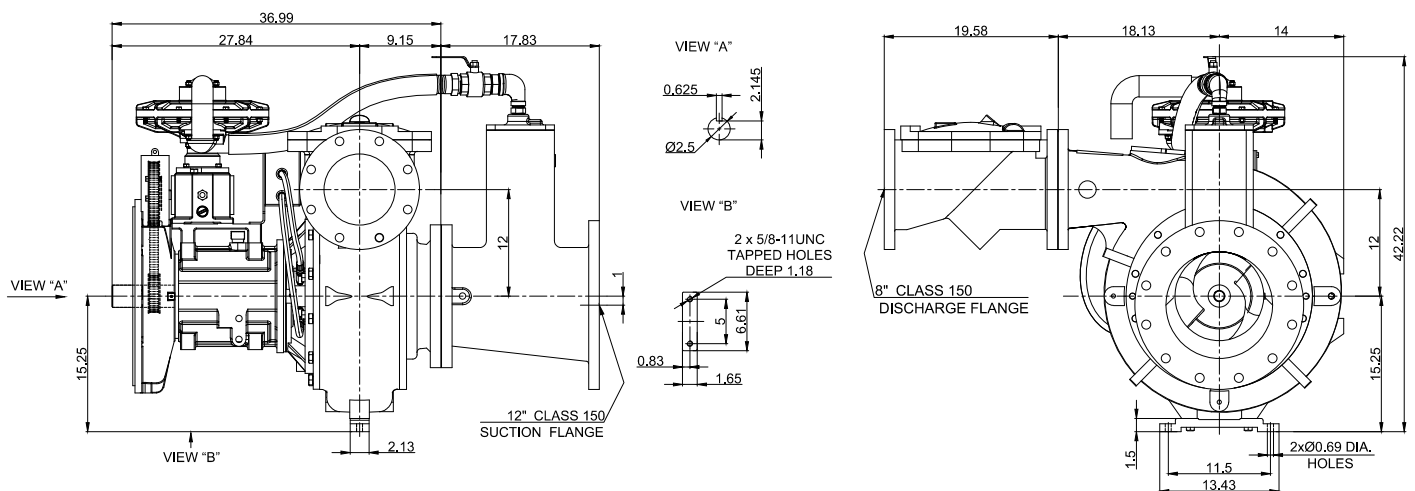


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PUMP DIMENSIONS - DIESEL ENGINE DRIVEN



- NOTES:**
1. Flange connection dimension can vary $\pm .12$ inch.
 2. Do not use for construction unless certified.