

8812-E

Vacuum Assisted. Heavy Duty Solids Handling Pump

PUMP

SUCTION SIZE

8" AISI 125# flange

DISCHARGE SIZE

8" 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. CA6NM. Cast stainless ASTM A743

BEARING HOUSING

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

SHAFT

Steel 4140/4142 HT & STR REL to ASTM A434 CL. AISI 4140/2 or AISI 4340

DRIVE

MODEL

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

HORSEPOWER

75 HP

OPERATING SPEED

1800 RPM. VFD Required for other RPMs

CONTROL PANEL

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



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 _s	Suction	Discharge	No. Vanes
VARIOUS	12.25"	ENCLOSED	SINGLE	3"	3253	8"	8"	2

