

3414

Vacuum Assisted. Heavy Duty Solids Handling Pump

PUMP

SUCTION SIZE

4" AISI 125# flange

DISCHARGE SIZE

2.5" AISI 125# flange

SOLIDS HANDLING

.41"

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. 7 vane. 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

Deutz TD2.9

HORSEPOWER

74.2 HP @ 2600 RPM

OPERATING SPEED

900-2200 RPM

GOVERNOR

Electronic

FUEL CONSUMPTION

Max 4.6 Gal/Hr

SAFETY SHUT DOWN

Oil temp. Oil level

CONTROL PANEL

Controls Inc

FRAME

TYPE

Trailer

CONSTRUCTION

Heavy duty. Powder coated. Fabricated steel w/ lifting frame

FUEL TANK

85 Gal

AXLE

Single 5200lb Torsion Flex

BRAKES

Electric w/ DOT lighting package

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.



P R E M I E R
P U M P + P O W E R

Feet x .305 = Meters
 Inches x 25.4 = Millimeters
 GPM x .227 = Cubic Meters/Hour
 GPM x 3.785 = Liters/Minute
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N _S	Suction	Discharge	No. vanes
VARIOUS	VARIOUS	ENCLOSED	.41"	585	4"	2.5"	7

SINGLE VOLUTE

MOUNTING CONFIG.: CC, VM, F, VF, EM, VC

