

# 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

*Browse all accessories online.  
or contact us for custom  
build features.*

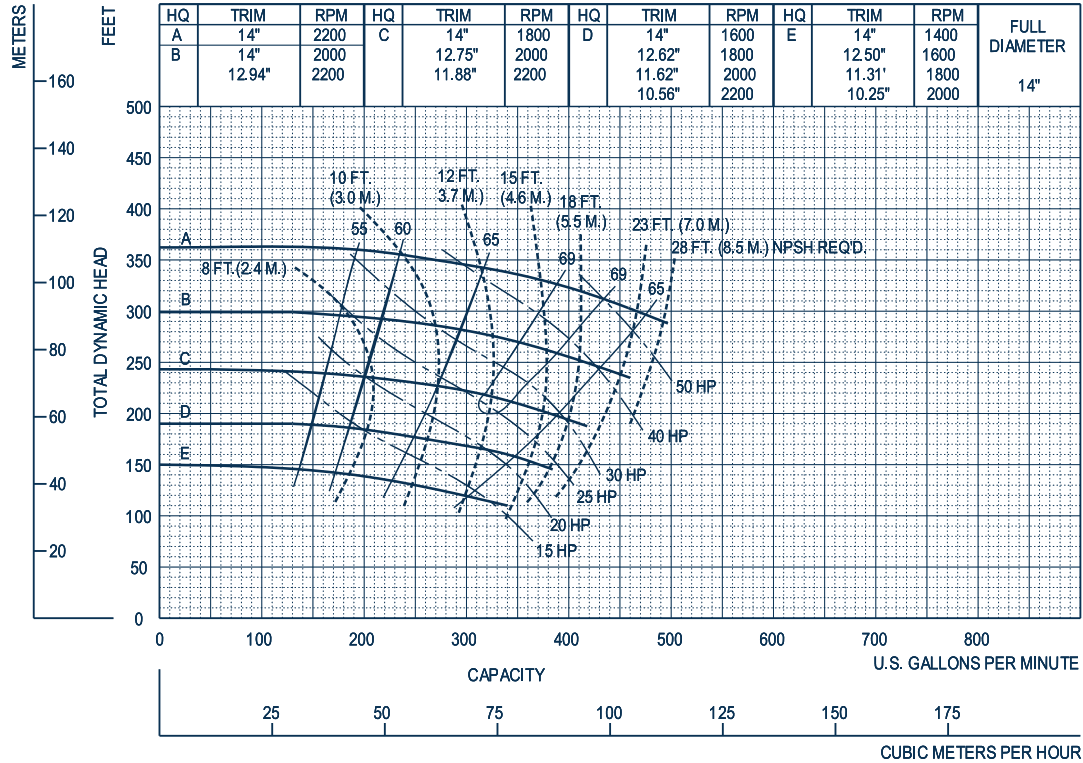


Feet x .305 = Meters  
 Inches x 25.4 = Millimeters  
 GPM x .227 = Cubic Meters/Hour  
 GPM x 3.785 = Liters/Minute  
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	VARIOUS	ENCLOSED	.41"	585	4"	2.5"	7

SINGLE VOLUTE

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



Performances shown are for cool water, close-coupled electric configuration with Cycloseal.® Other mounting configurations, seal arrangements or liquids may require horsepower and/or performance adjustments.