



AQUARIUS PUMP COMPANY

14414GT-F49

AVAILABLE MOUNTING CONFIGURATIONS

14414GT-F FRAME MOUNT
 14414GT-RP-F REDI-PRIME FRAME MOUNT
 14414GT-EM ENGINE MOUNT
 14414GT-RP-EM REDI-PRIME ENGINE MOUNT
 14414GT-VC VERTICAL COUPLED
 14414GT-VF VERTICAL FRAME MOUNT

OPERATING LEVELS

MIN FLOW	200 GPM	45.4 m ³ /h
MAX FLOW	1300 GPM	295 m ³ /h
DISCHARGE SIZE	4"	102 mm
SUCTION SIZE	4"	102 mm
SOLIDS HANDLING	3"	76.2mm mm
MAX SPEED	1800 RPM	1800 RPM
SHUT-OFF HEAD	252'	76.8 m
BEP HEAD	175'	53 m
BEP FLOW	1300 GPM	295 m ³ /h
BEP PERCENT	78%	78%



A typical picture of the pump is shown. Please contact Aquarius Pump Company for further details. All information is approximate and for general guidance only.

PARTS	STANDARD MATERIAL (ALL IRON)	CD4MCU
WEAR RING	CAST IRON	CD4MCU
IMPELLER	CAST IRON	CD4MCU
VOLUTE	DUCTILE IRON	CD4MCU
SHAFT	STRESSPROOF STEEL	17-4PH
SHAFT SLEEVE	416 STAINLESS STEEL	CD4MCU
BACKPLATE	CAST IRON	CD4MCU
MECHANICAL SEAL	TUNGSTEN CARBIDE VS. SILICON CARBIDE	TUNGSTEN CARBIDE VS. SILICON CARBIDE
BEARING FRAME	CAST IRON	CAST IRON

The 14414GT pump is designed with Aquarius's renowned quality and durability. It features a 4" discharge, 4" suction, and enclosed impeller. Available in All Iron or CD4MCu materials. Aquarius's patented Cycloseal® design is standard, with a Type 1 or 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- High Efficiency
- Cycloseal Sealing System
- Low NPSHr
- Robust Construction
- Long Bearing life
- Can be fitted with cutters without dimension changes
- Two year warranty



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



RENTAL



AQUARIUS PUMP COMPANY

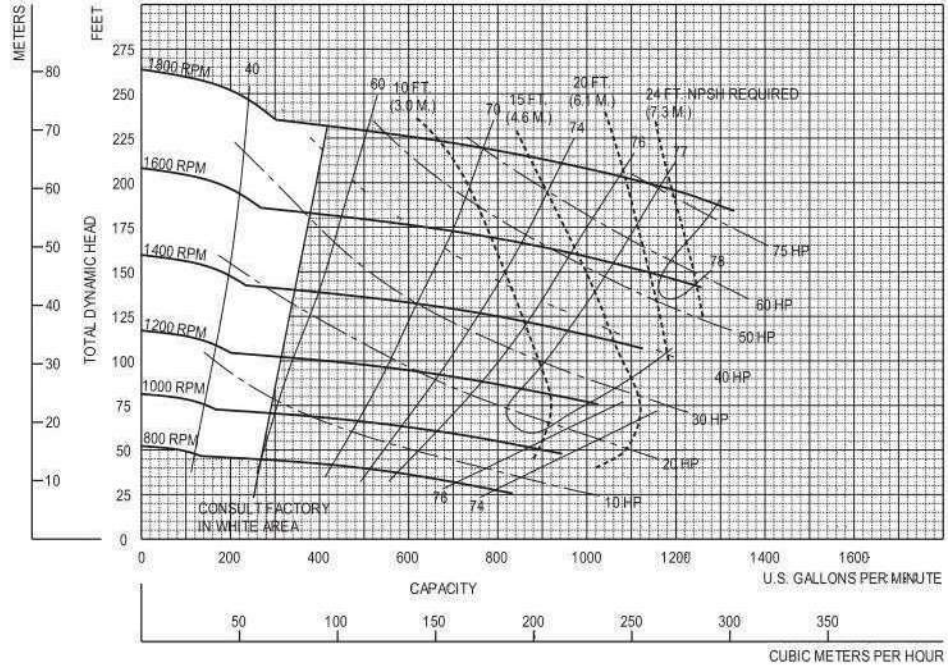
14414GT-F49

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	14"	ENCLOSED	3"	1310	4"	4"	2

SINGLE VOLUTE

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



Performances shown are for cool water, close-coupled electric configuration with Cyclopaq® motor mounting configurations, seal arrangements or other accessories. Performance may vary with performance adjustments.

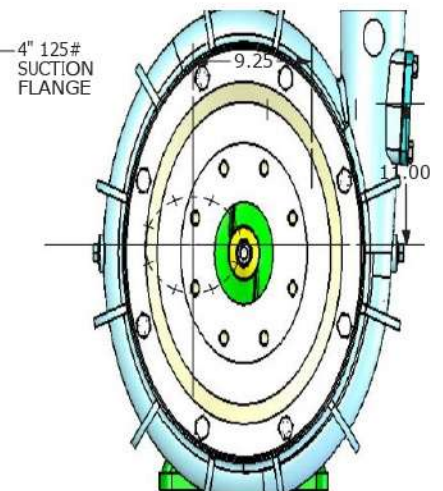
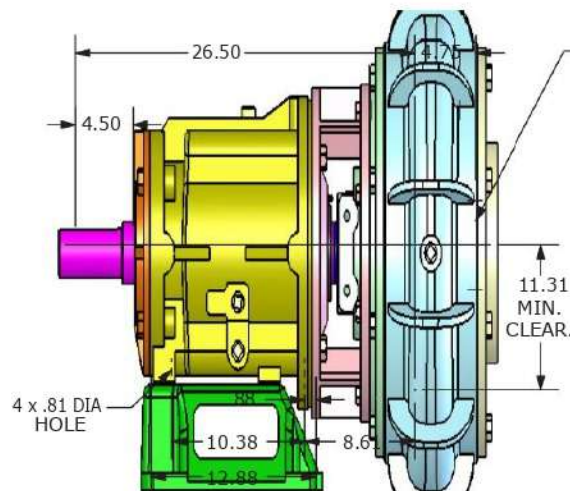
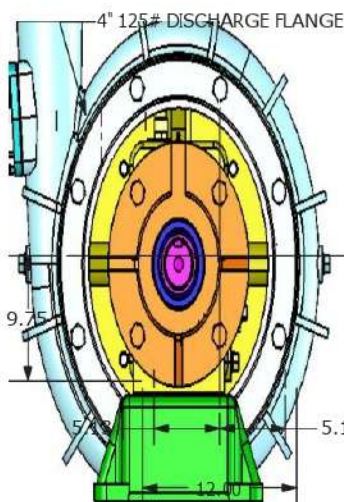


Aquarius Pump Company

14414 - VARIOUS RPM

NEW PAGE

14414TVA



A typical pump configuration is shown. Drawings of other configurations available upon request

DS1181-GE