

## 7.5 Horsepower Close-coupled centrifugal pump 1003-8648



Certified to  
NSF/ANSI/CAN 50

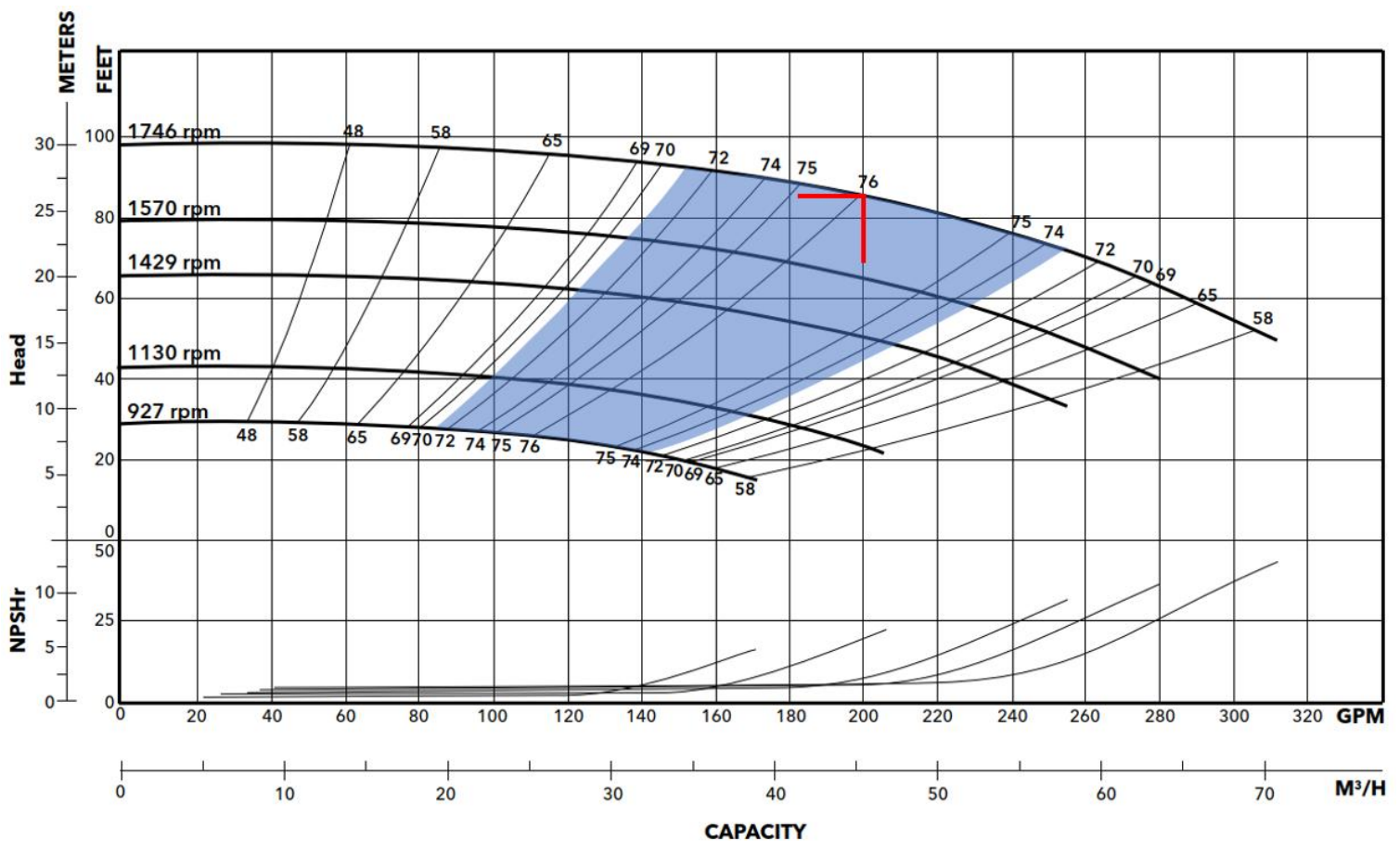


### Performance Curve

Pump: 2BD

Impeller: 9.5"

Nominal motor speed @ 60Hz: 1,800 rpm




Best Efficiency Point	200 gpm at 85 ft head Noted with red above
Preferred Operating Range	See blue area above
Maximum working pressure	175 psi
Impeller size	9.5 in
Pump model	2BD
Suction	2.5 in
Discharge	2.0 in

Updated 4.15.25


## Motor & Electrical


Rated power, HP	7.5
Voltage, 3-phase AC	<input checked="" type="checkbox"/> 230/460 V <input type="checkbox"/> 575 V
Frequency, Hz	60
Nominal speed, rpm	1,800
Enclosure	Totally enclosed, fan cooled
Frame Size	213JM
Shaft Sleeve Diameter	1.25"
Motor Part Number	WEG 00718ET3E213JM-S

## Motor Nameplate



MADE IN MEXICO



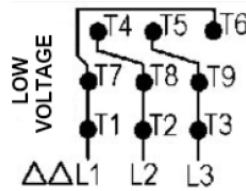


**MAT: 13180568 CC029A**  
**W01.TE0IC0X0N**  
**MODEL 00718ET3E213JM-S**  
**31MAR2025 S/N: 1111829572**

For 60Hz: Class I, Zone 2, IIC  
 Class I, Div.2, Gr. A,B,C,D - T3  
 Div 2 Inverter Duty (SF1.00)  
 CT 2:1/VT 1000:1

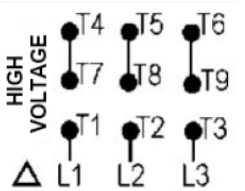
PH 3	Hz 60	HP 7.5
FR 213/5JM		kW 5.5
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		A 18.4/9.18
INS CL F ΔT 80K	IP55	SFA 21.2/10.6
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE J	PF 0.82
		RPM 1770
		NEMA NOM. EFF 91.7%
ALTERNATE RATING: 7.5HP 50Hz 190-220/380-415V SF1.00		
22.0-19.4/11.0-10.3A 1455RPM EFF 88.6% (IE2) IEC 60034-1		
For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT		
DE 6209-ZZ	ODE 6206-ZZ	MOBIL POLYREX EM

LOW VOLTAGE



Δ Δ L1 L2 L3

HIGH VOLTAGE






Δ L1 L2 L3

T1-BLU T2-WHT  
 T3-ORG T4-YEL  
 T5-BLK T6-GRY  
 T7-PNK T8-RED  
 T9-RED BRK

INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

**WARNING:** Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.

**AVERTISSEMENT:** Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.

## Materials of Construction

Shaft	Carbon steel per motor manufacturer
Volute	Cast iron ASTM A48 Class 30B
Impeller	ASTM A743 Grade CF8 – 304 Stainless Steel
Shaft Sleeve	ASTM 312 Grade TP304 – 304 Stainless Steel
Impeller Key	304 Stainless Steel
Impeller Washer	Steel
Impeller Lock Washer	304 Stainless Steel
Impeller Cap Screw	304 Stainless Steel
Volute Gasket	Cellulose fiber
Liner	Scotchkote 134

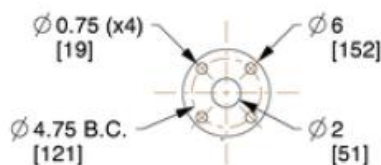
## Mechanical Seal Assembly

Design	Standard
Elastomer	Buna
Rotating face	Carbon
Stationary face	Ceramic
Hardware	Stainless steel/brass

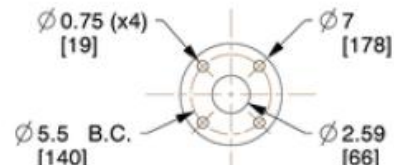
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## Physical Dimensions

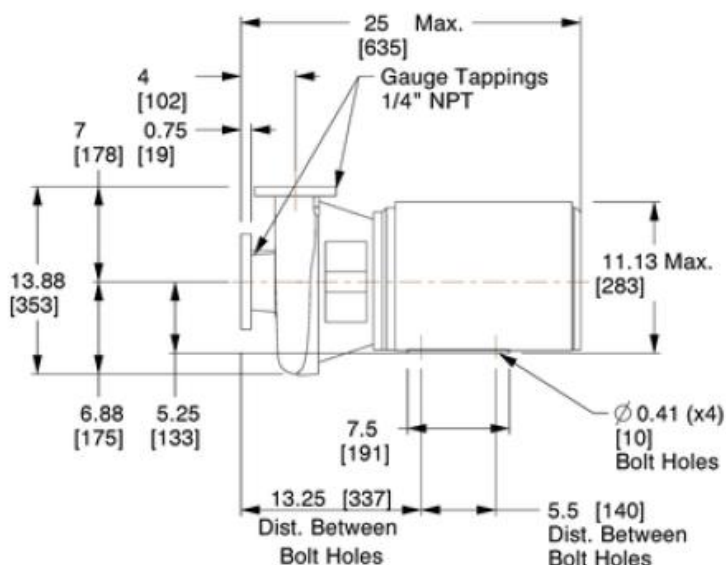
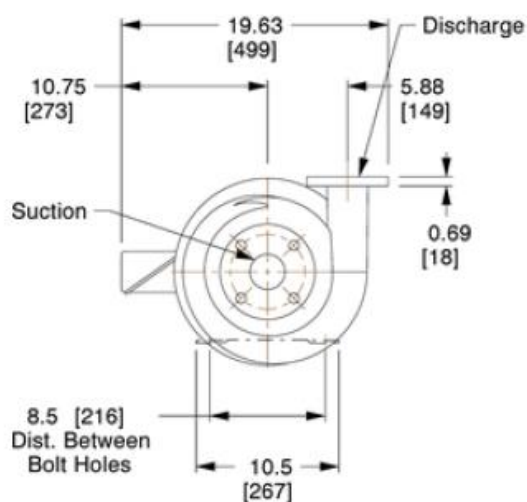
Approximate weight, lb	337
Floor space, sq. ft	2.16



2" DISCHARGE FLANGE  
ANSI 125#



2.5" SUCTION FLANGE  
ANSI 125#



## Warranty

18 months from date of shipment, see separate Warranty for terms and conditions