

## 5 Horsepower Close-coupled centrifugal pump 1003-8647



Certified to  
NSF/ANSI/CAN 50

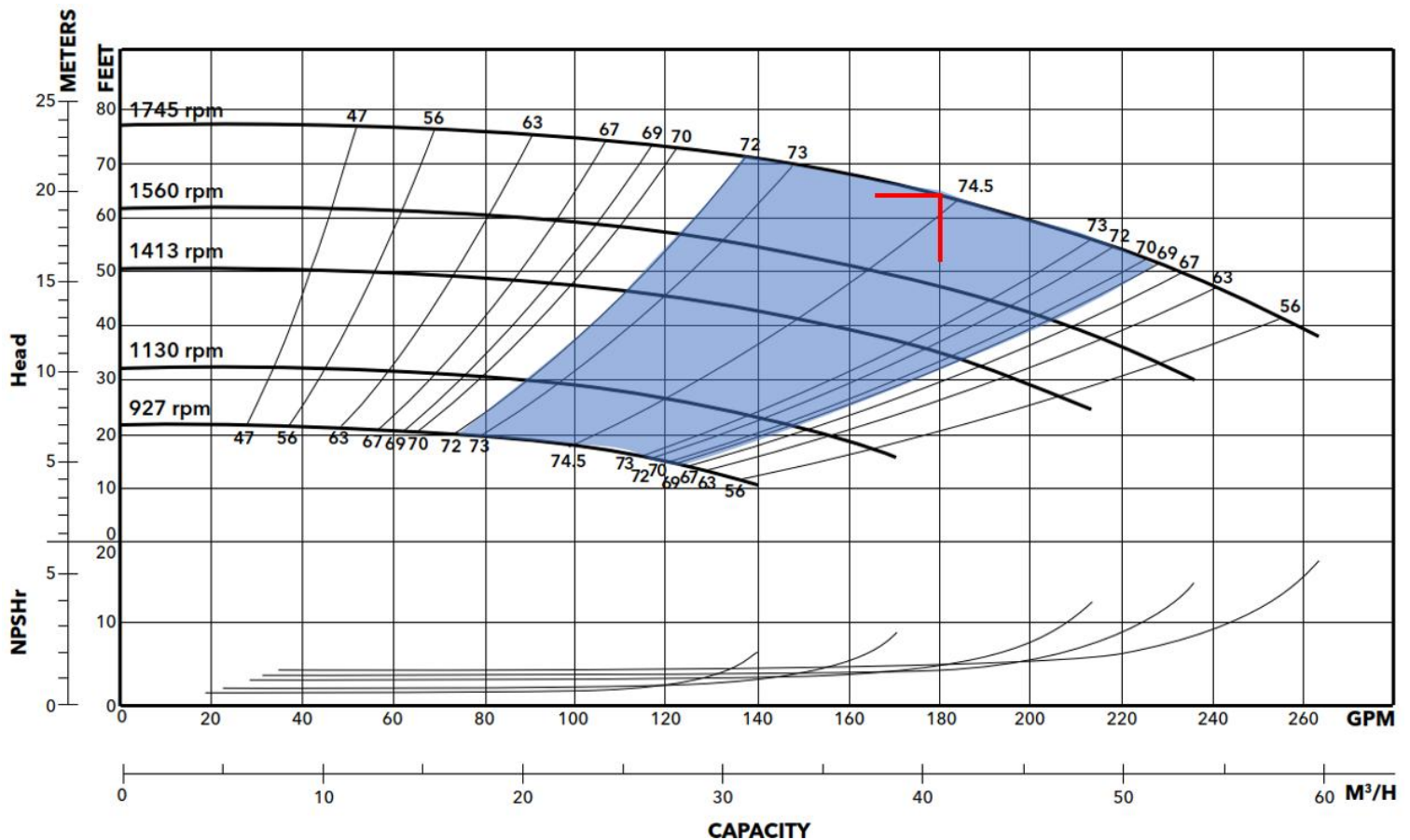


### Performance Curve

Pump: 2BD

Impeller: 8.5"

Nominal motor speed @ 60Hz: 1,800 rpm




|                           |   |
|---------------------------|---|
| Best Efficiency Point     | 180 gpm at 63 ft head<br>Noted with red above |
| Preferred Operating Range | See blue area above                           |
| Maximum working pressure  | 175 psi                                       |
| Impeller size             | 8.5 in  |
| Pump model                | 2BD   |
| Suction                   | 2.5 in  |
| Discharge                 | 2.0 in  |

Updated 4.14.25

## Motor & Electrical


|                       |   |
|-----------------------|---|
| Rated power, HP       | 5.0   |
| Voltage, 3-phase AC   | <input checked="" type="checkbox"/> 230/460 V<br><input type="checkbox"/> 575 V |
| Frequency, Hz         | 60  |
| Nominal speed, rpm    | 1,800   |
| Enclosure             | Totally enclosed, fan cooled  |
| Frame Size            | 184JM   |
| Shaft Sleeve Diameter | 1.25"   |
| Motor Part Number     | WEG 00518ET3E184JM-S  |

## Motor Nameplate




**NEMA Premium**

MADE IN MEXICO



LISTED  
3PT9  
FOR SAFE AREA



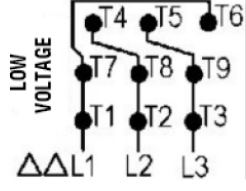
Energy Verified

**MAT: 13180545 CC029A**  
**W01.TE0IC0X0N**  
**MODEL 00518ET3E184JM-S**

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

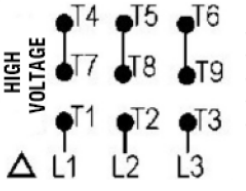
|  |             |                     |
|--|-------------|---------------------|
| PH 3   | Hz 60       | HP 5.0              |
| FR 182/4JM   |             | KW 3.7              |
| DUTY CONT.   |             | V 230/460           |
| ALT 1000 m.a.s.l   |             | A 13.0/6.49         |
| INS CL F ΔT 80K  | IP55        | SFA 14.9/7.46       |
| AMB 40°C   | DES B       | SF 1.15             |
| ENCL TEFC  | CODE J      | PF 0.80             |
|  |             | RPM 1750            |
|  |             | NEMA NOM. EFF 89.5% |
| ALTERNATE RATING: 5.0HP 50Hz 190-220/380-415V SF1.00                     |             |                     |
| 15.8-14.1/7.88-7.47A 1425RPM EFF 84.9% (IE1) IEC 60034-1                 |             |                     |
| For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT |             |                     |
| DE 6207-ZZ   | ODE 6205-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

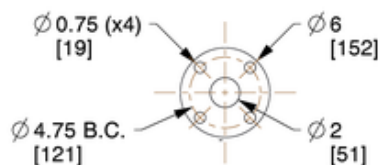
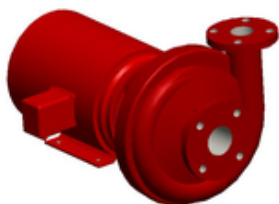
|                      |   |
|----------------------|---|
| Shaft                | Carbon steel per motor manufacturer       |
| Volute               | Cast iron ASTM A48 Class 30B              |
| Impeller             | ASTM A743 Grade CF8 – 304 Stainless Steel |
| Shaft Sleeve         | ASTM A743 Grade CF8 – 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                           |
| Epoxy coating        | Scotchkote 134                            |

## Mechanical Seal Assembly

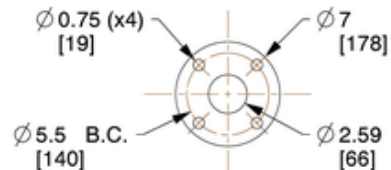
|                 |                       |
|-----------------|-----------------------|
| Design          | Standard              |
| Elastomer       | Buna                  |
| Rotating face   | Carbon                |
| Stationary face | Ceramic               |
| Hardware        | Stainless steel/brass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

## Physical Dimensions

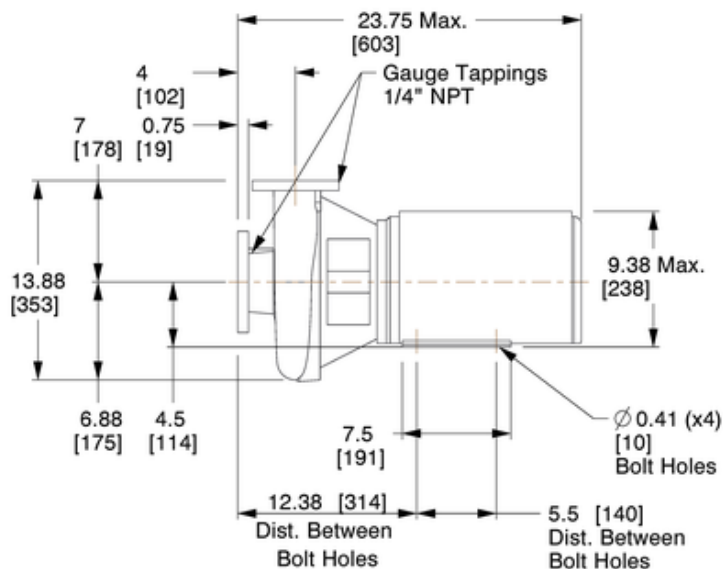
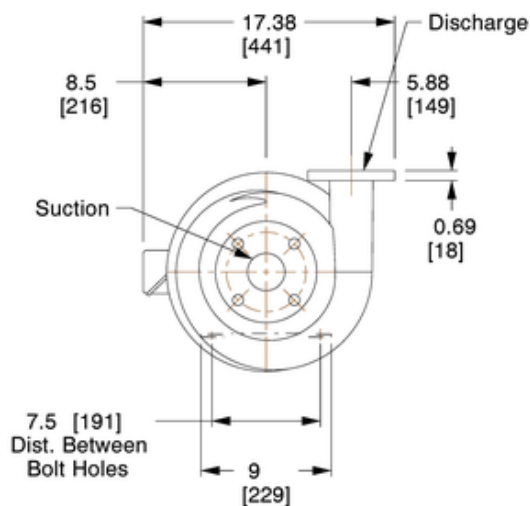
|                        |      |
|------------------------|------|
| Approximate weight, lb | 220  |
| Floor space, sq. ft    | 1.82 |



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