

**20 Horsepower  
Close-coupled centrifugal pump  
1003-8661**

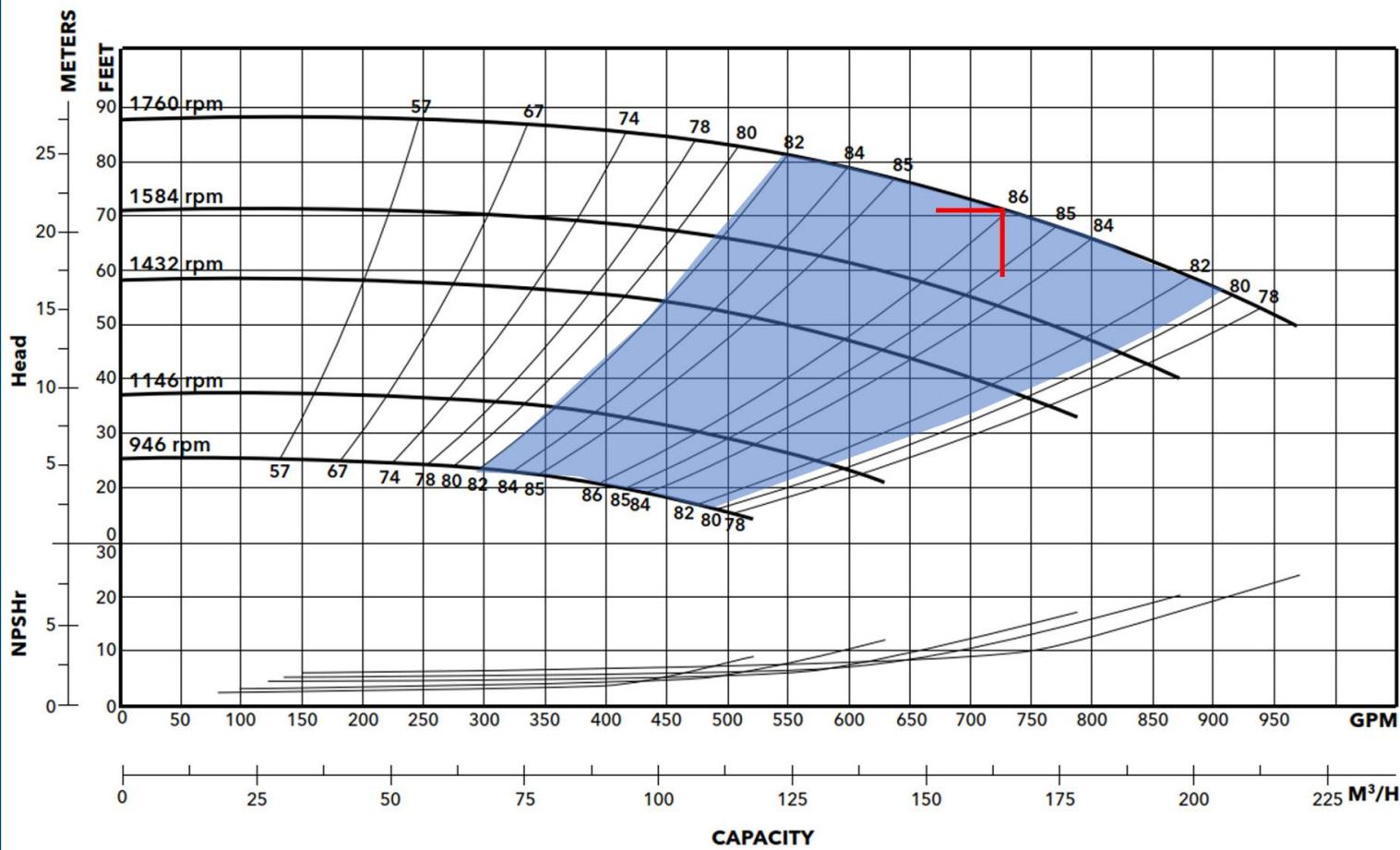


Certified to  
NSF/ANSI/CAN 50



**Performance Curve**

Pump: 4BD  
Impeller: 9.5"  
Nominal motor speed @ 60Hz: 1,800 rpm



<b>Best Efficiency Point</b>	725 gpm at 70 ft head Noted in red above
<b>Preferred Operating Range</b>	See blue area above
<b>Maximum working pressure</b>	175 psi
<b>Impeller size</b>	9.5 in
<b>Pump model</b>	4BD
<b>Suction</b>	5.0 in
<b>Discharge</b>	4.0 in

Updated 04.14.25

***Motor & Electrical***

<b>Rated power, HP</b>	20
<b>Voltage, 3-phase AC</b>	<input type="checkbox"/> 230/460 V <input checked="" type="checkbox"/> 575 V
<b>Frequency, Hz</b>	60
<b>Nominal speed, rpm</b>	1,800
<b>Enclosure</b>	Totally enclosed, fan cooled
<b>Frame Size</b>	256JM
<b>Shaft Sleeve Diameter</b>	1.625"
<b>Motor Part Number</b>	Baldor VEJMM2334T-5

***Motor Nameplate***

NP3441L

<b>CAT.NO.</b>	VEJMM2334T-5						
<b>SPEC.</b>	09E178T507G1						
<b>HP</b>	20						
<b>VOLTS</b>	575						
<b>AMP</b>	19.2						
<b>RPM</b>	1770						
<b>FRAME</b>	256JM	<b>HZ</b>	60	<b>PH</b>	3		
<b>SER.F.</b>	1.15	<b>CODE</b>	J	<b>DES</b>	A	<b>CL</b>	F
<b>NEMA-NOM-EFF</b>	93	<b>PF</b>	83				
<b>RATING</b>	40C AMB-CONT						
<b>CC</b>	010A						
<b>DE</b>	6309	<b>ODE</b>	6208				
<b>ENCL</b>	TEFC	<b>SN</b>					

VPWM INVERTER READY

CT6-60H(10:1)VT3-60H(20:1)

SFA 21.7

***Materials of Construction***

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

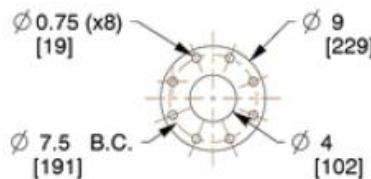
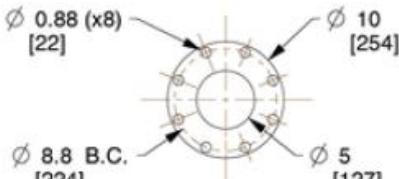
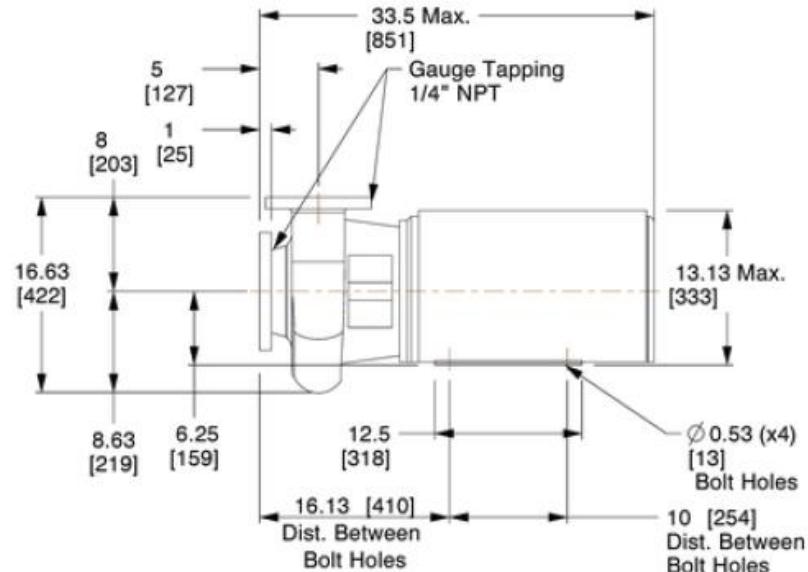
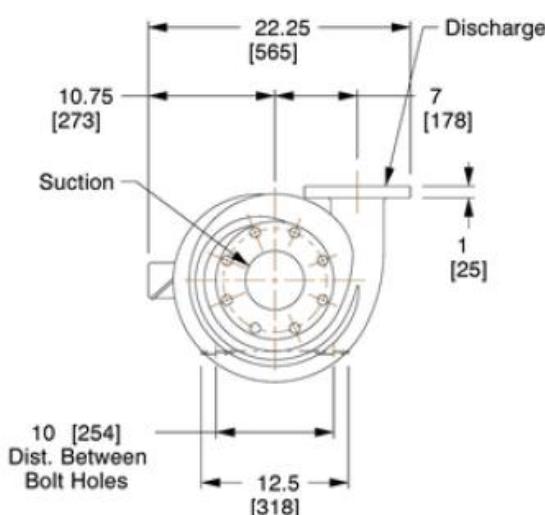
***Mechanical Seal Assembly***

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

Updated 04.14.25

***Physical Dimensions***

Approximate weight, lb	592
Floor space, sq. ft	4.39

4" DISCHARGE FLANGE  
ANSI 125#5" SUCTION FLANGE  
ANSI 125#***Warranty***

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

Updated 04.14.25