

## 25 Horsepower Close-coupled centrifugal pump 1003-8663



Certified to  
NSF/ANSI/CAN 50

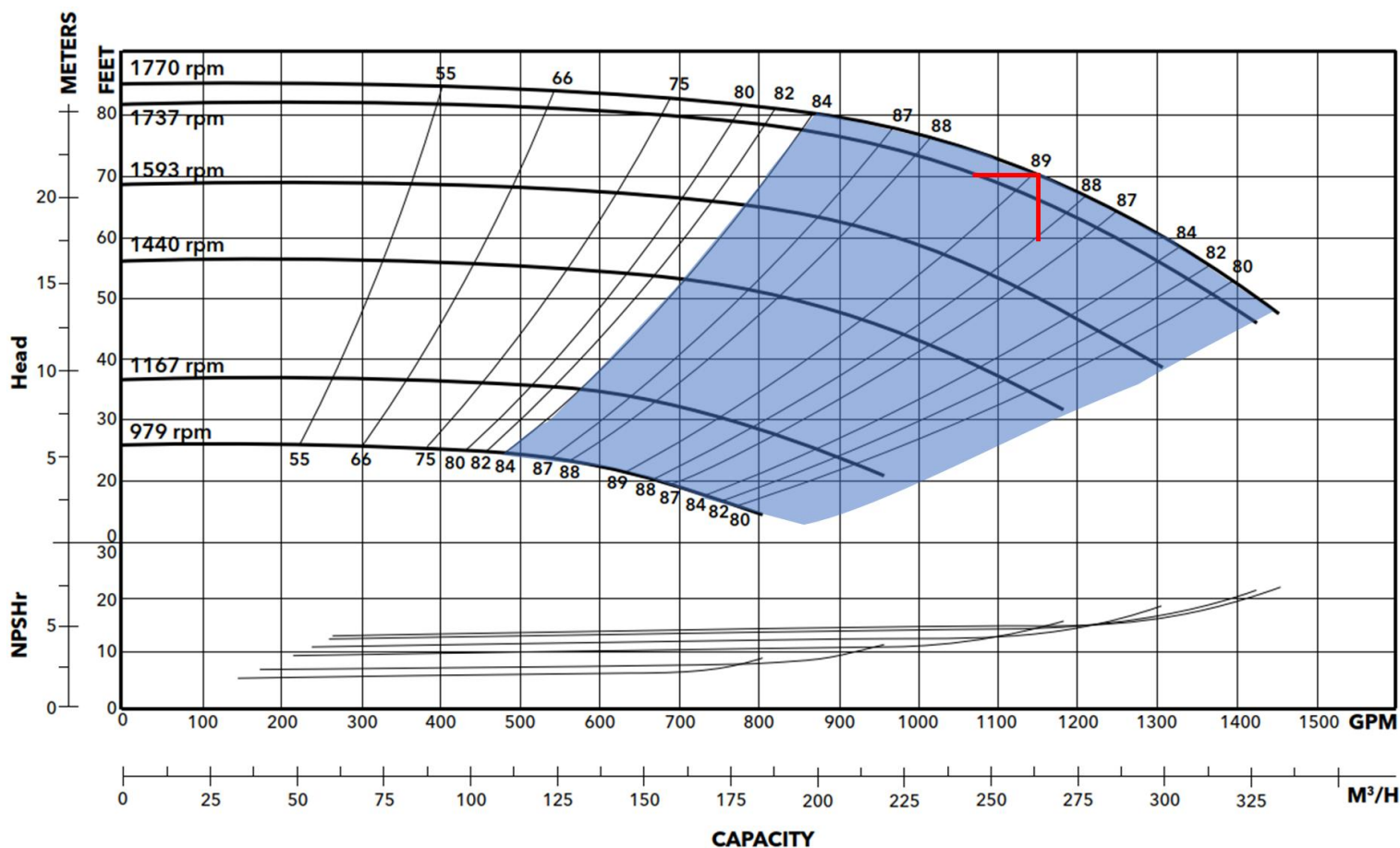


### Performance Curve

Pump: 5BD

Impeller: 9.5"

Nominal motor speed @ 60Hz: 1,800 rpm



Best Efficiency Point	1,150 gpm at 70 ft head Noted in red above
Preferred Operating Range	See blue area above
Maximum working pressure	175 psi
Impeller size	9.5 in
Pump model	5BD
Suction	6.0 in
Discharge	5.0 in

Updated 04.14.25

## Motor & Electrical

Rated power, HP	25
Voltage, 3-phase AC	<input type="checkbox"/> 230/460 V <input checked="" type="checkbox"/> 575 V
Frequency, Hz	60
Nominal speed, rpm	1,800
Enclosure	Totally enclosed, fan cooled
Frame Size	284JM
Shaft Sleeve Diameter	1.625"
Motor Part Number	Baldor 10-0005454

## Motor Dataplate

NP2138L																	
CAT.NO.					P/N						ENCLOSURE		TEFC				
SPEC.	10-0005454		CC		010A		FRAME		284JM		S/N						
HP	25				CLASS		F		HZ		60						
RPM	1770				PH		3		DES		B						
VOLT	575								KVA-CODE		F		ODE BRG		6309	DE BRG	6312
AMP	23.6																
RATING	40C AMB-CONT				GREASE		POLYREX EM										
NEMA-NOM-EFF	93.6	PF	85	SER.F.		1.15											
	SFA 27																
HTR-VOLTS	HTR-AMPS																

## Materials of Construction

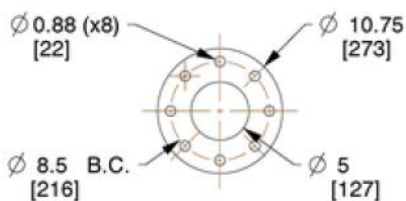
Shaft	Carbon steel per motor manufacturer
Volute	Cast iron ASTM A48 Class 30B
Impeller	ASTM A743 Grade CF8 – 304 Stainless Steel
Shaft Sleeve	ASTM 312 Grade TP304 – 304 Stainless Steel
Impeller Key	304 Stainless Steel
Impeller Washer	Steel
Impeller Lock Washer	304 Stainless Steel
Impeller Cap Screw	304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

## Mechanical Seal Assembly

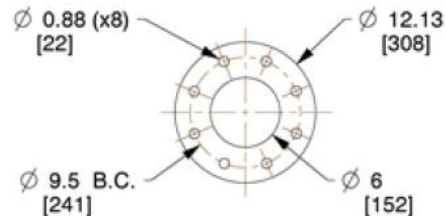
Design	Standard
Elastomer	Buna
Rotating face	Carbon
Stationary face	Ceramic
Hardware	Stainless steel/brass

## Physical Dimensions

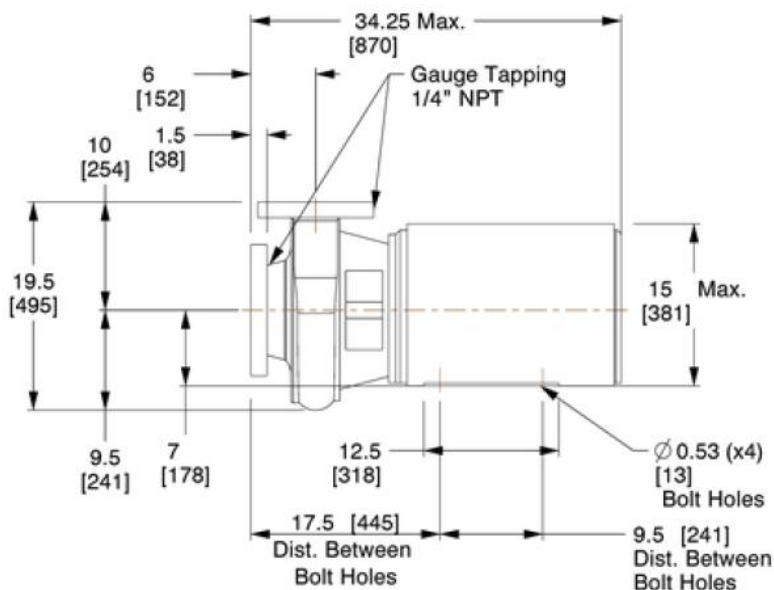
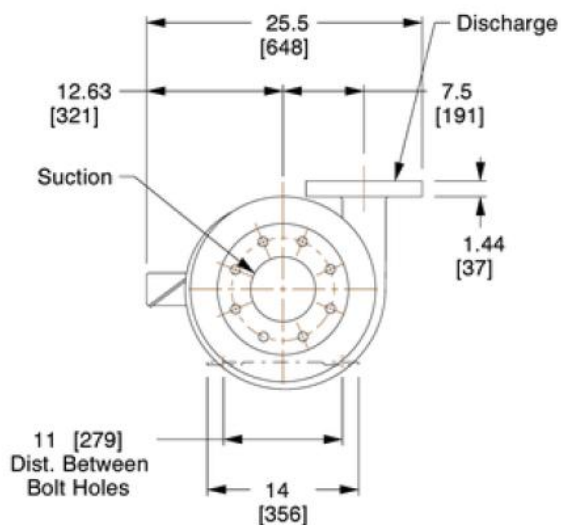
Approximate weight, lb	902
Floor space, sq. ft	5.26



5" DISCHARGE FLANGE  
ANSI 125#



6" SUCTION FLANGE  
ANSI 125#



## Warranty

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