

**40 Horsepower
Close-coupled centrifugal pump
1003-8666**

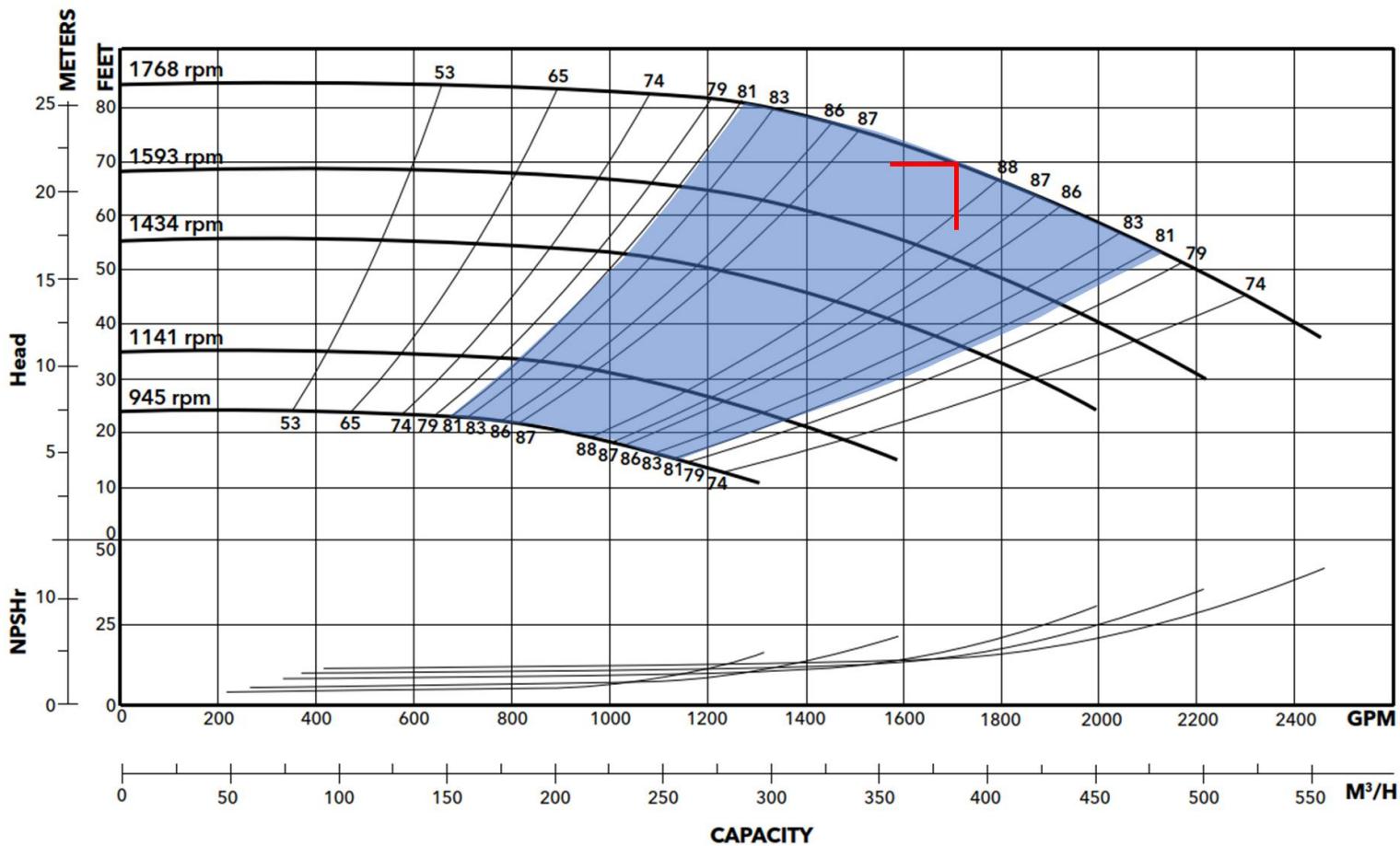


Certified to
NSF/ANSI/CAN 50



Performance Curve

Pump: 6BD
Impeller: 9.5"
Nominal motor speed @ 60Hz: 1,800 rpm



Best Efficiency Point	1,700 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	6BD
Suction	8.0 in
Discharge	6.0 in

Updated 04.14.25

Motor & Electrical

Rated power, HP	40
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	286JM
Shaft Sleeve Diameter	1.625"
Motor Part Number	Baldor 12-0005455

Motor Dataplate

NP2138L

CAT.NO.	P/N				ENCLOSURE	TEFC
SPEC.	12-0005455	CC	010A	FRAME	324JM	S/N
HP	40		CLASS	F	HZ	60
RPM	1770		PH	3	DES	B
VOLT	575				KVA-CODE	F
AMP	37					ODE BRG
RATING	40C AMB-CONT		GREASE			6311 DE BRG 6312
NEMA-NOM-EFF	94.1	PF	86	SER.F.	1.15	
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

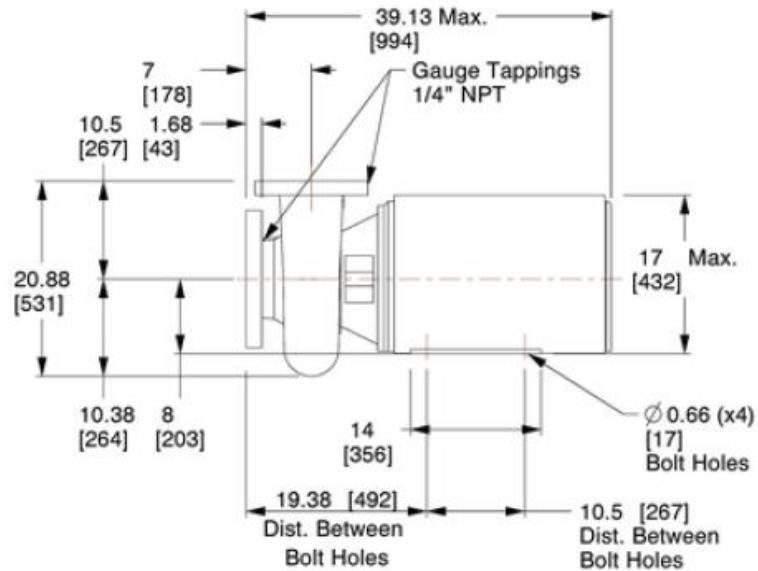
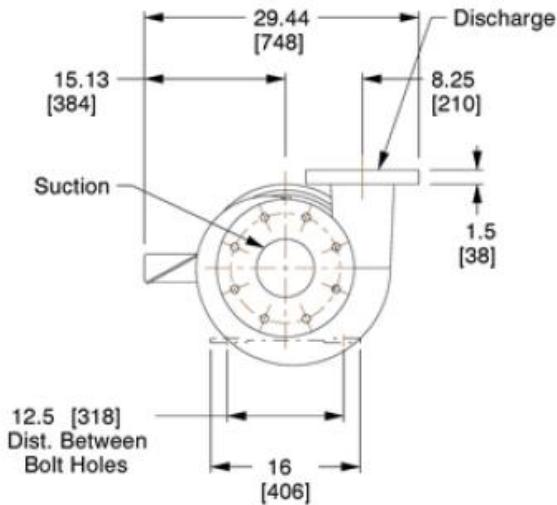
Mechanical Seal Assembly

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

Updated 04.14.25

Physical Dimensions

Approximate weight, lb	1264
Floor space, sq. ft	7.34

***Warranty***

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

Updated 04.14.25