

40 Horsepower Close-coupled centrifugal pump 1003-8666



Certified to
NSF/ANSI/CAN 50

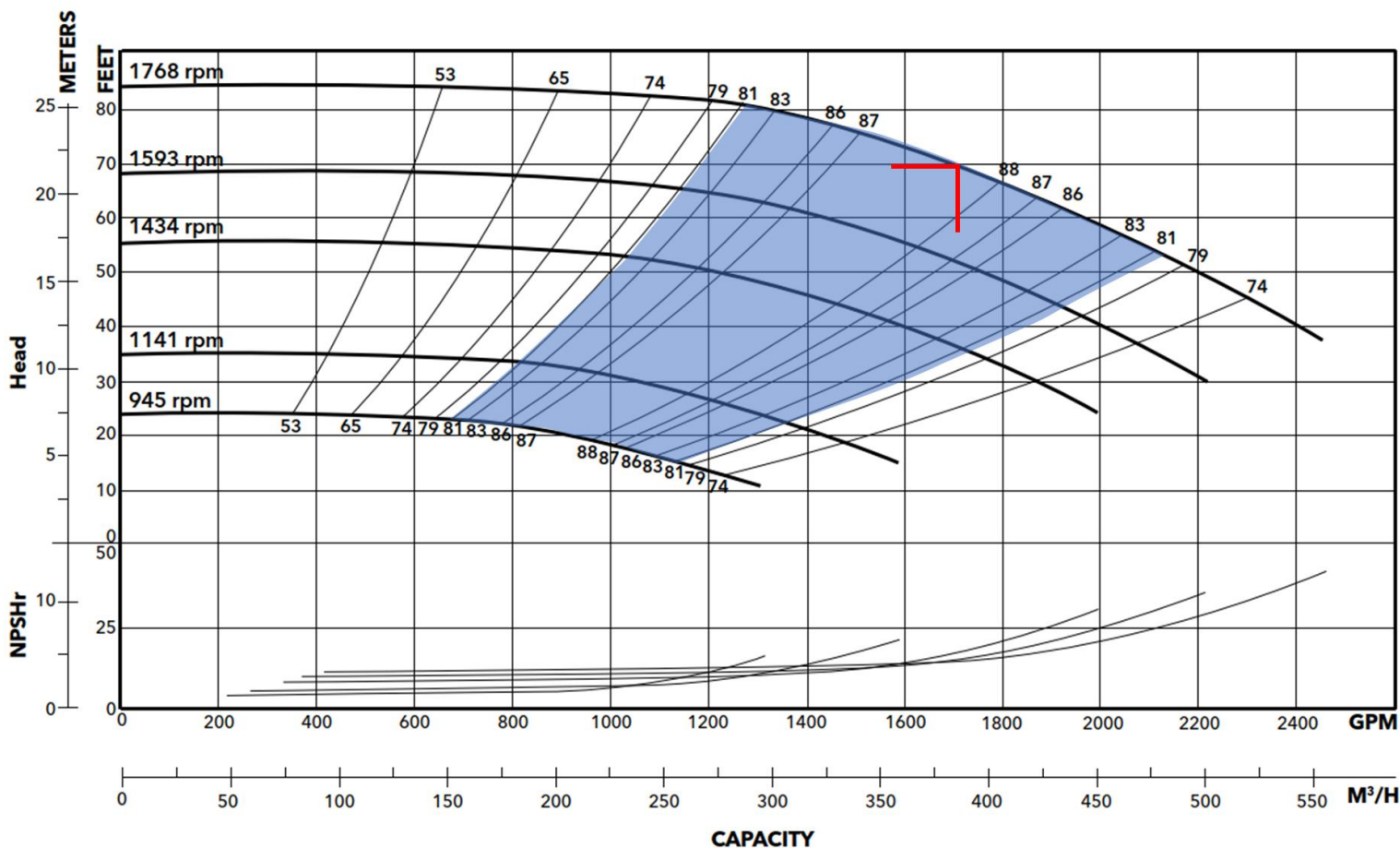


Performance Curve

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	ODE BRG	6311	DE BRG	6312		
AMP	37												
RATING	40C AMB-CONT			GREASE	POLYREX EM								
NEMA-NOM-EFF	94.1	PF	86	SER.F.	1.15								
HTR-VOLTS		HTR-AMPS											

Materials of Construction

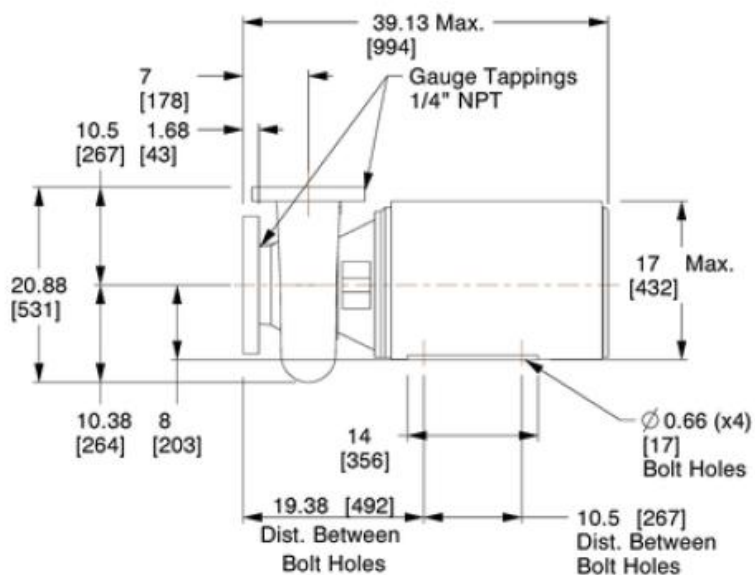
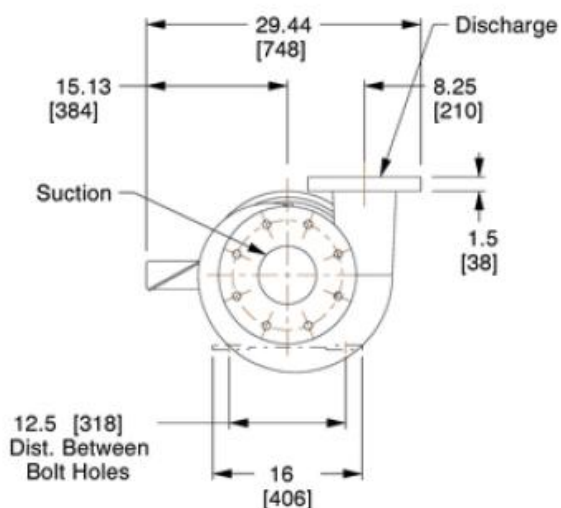
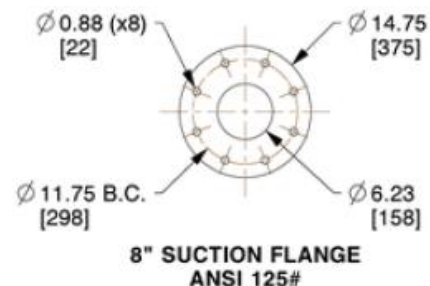
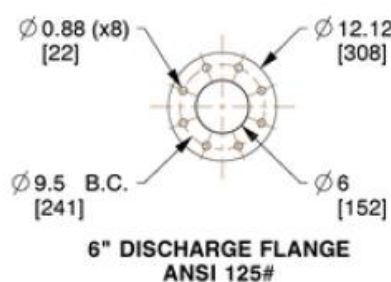
Shaft	Carbon steel per motor manufacturer
Volute	Cast iron ASTM A48 Class 30B
Impeller	ASTM A743 Grade CF8 – 304 Stainless Steel
Shaft Sleeve	ASTM 312 Grade TP304 – 304 Stainless Steel
Impeller Key	304 Stainless Steel
Impeller Washer	Steel
Impeller Lock Washer	304 Stainless Steel
Impeller Cap Screw	304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

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