

## 40 Horsepower Close-coupled centrifugal pump 1003-8654



Certified to  
NSF/ANSI/CAN 50

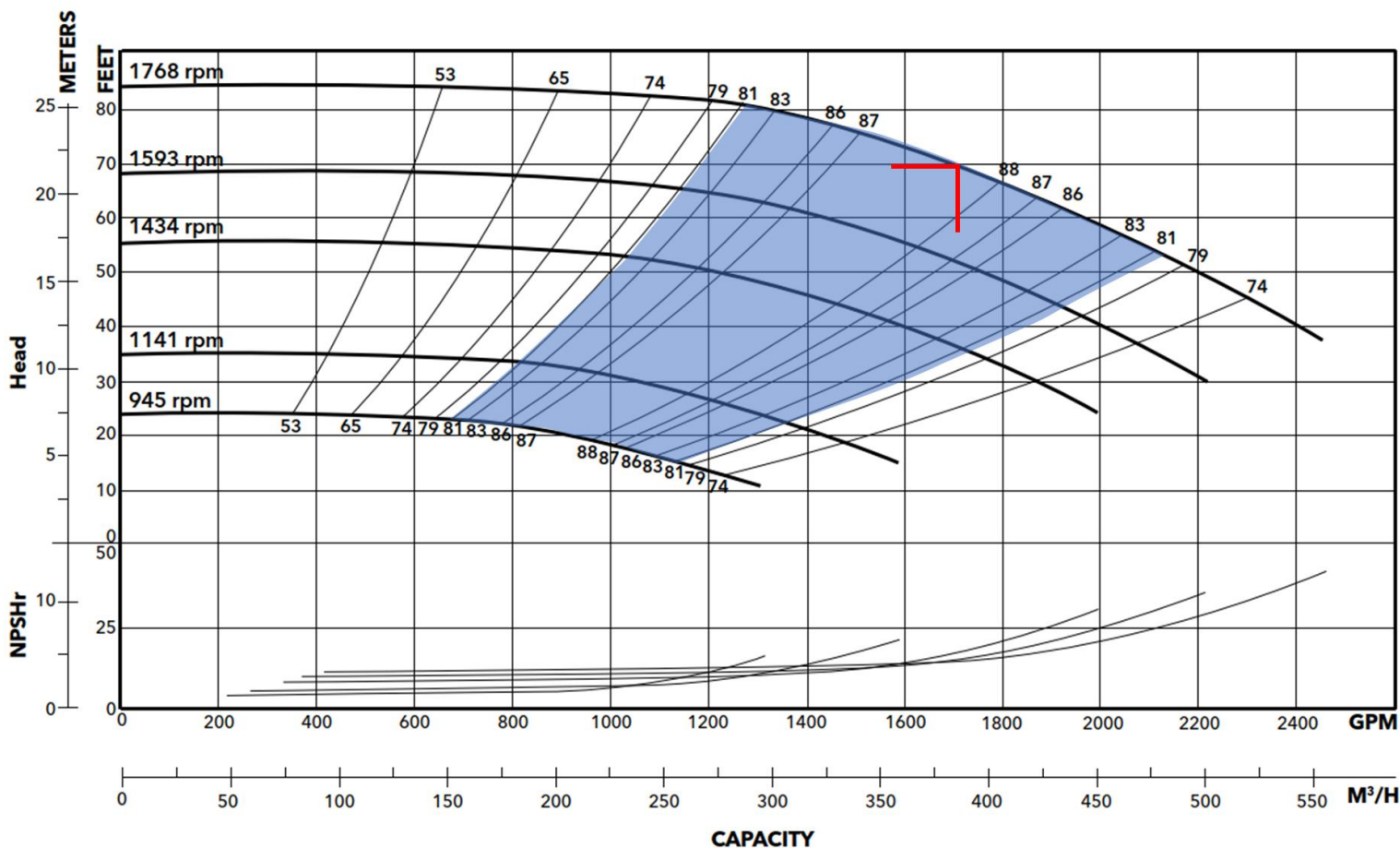


### Performance Curve

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 checked="" type="checkbox"/> 230/460 V <input 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 EJMM4110T

## Motor Nameplate

### NP3443LUA

CAT.NO.	EJMM4110T			CUST. P/N								ENCL	TEFC
SPEC.	12J043Y276G1		CC	010A	FRAME	324JM		SER.NO.					
HP	40			CLASS	F	HZ	60						
R.P.M.	1775			PH.	3	DES.	A						
VOLTS	230/460				CODE	H		ODE BRG	6311	DE BRG	6312		
AMPS	96/48												
RATING	40C AMB-CONT			NEMA NOM. EFF.			94.1		GREASE	POLYREX EM			
P.F.	82	SER.F.	1.15		CT6-60H(10:1)VT3-60H(20:1)								
USABLE AT	50HZ 40HP 190/380V 114/57A				SF1.0								
VOLTS	AMPS	MAX. SPACE HEATER TEMP.											

## Materials of Construction

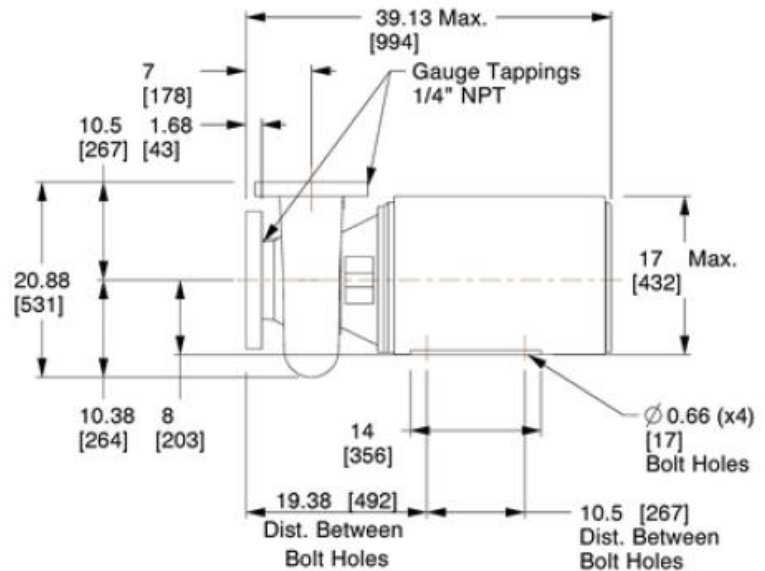
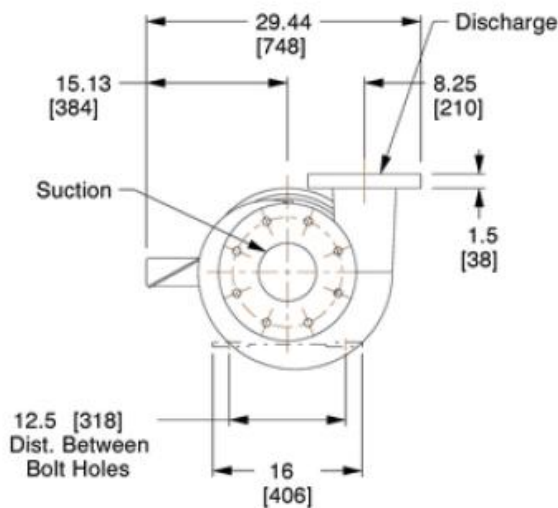
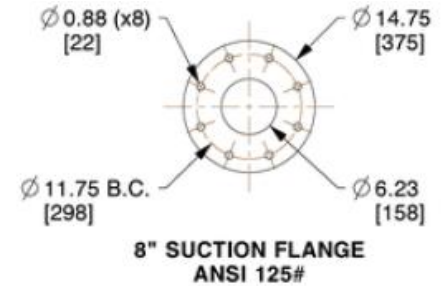
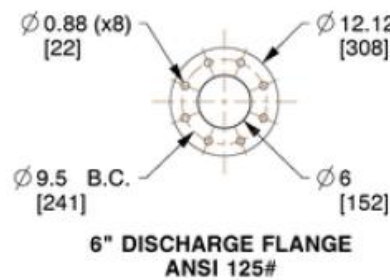
Shaft	Carbon steel per motor manufacturer
Volute	Cast iron ASTM A48 Class 30B
Impeller	ASTM A743 Grade CF8 – 304 Stainless Steel
Shaft Sleeve	ASTM 312 Grade TP304 – 304 Stainless Steel
Impeller Key	304 Stainless Steel
Impeller Washer	Steel
Impeller Lock Washer	304 Stainless Steel
Impeller Cap Screw	304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