

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

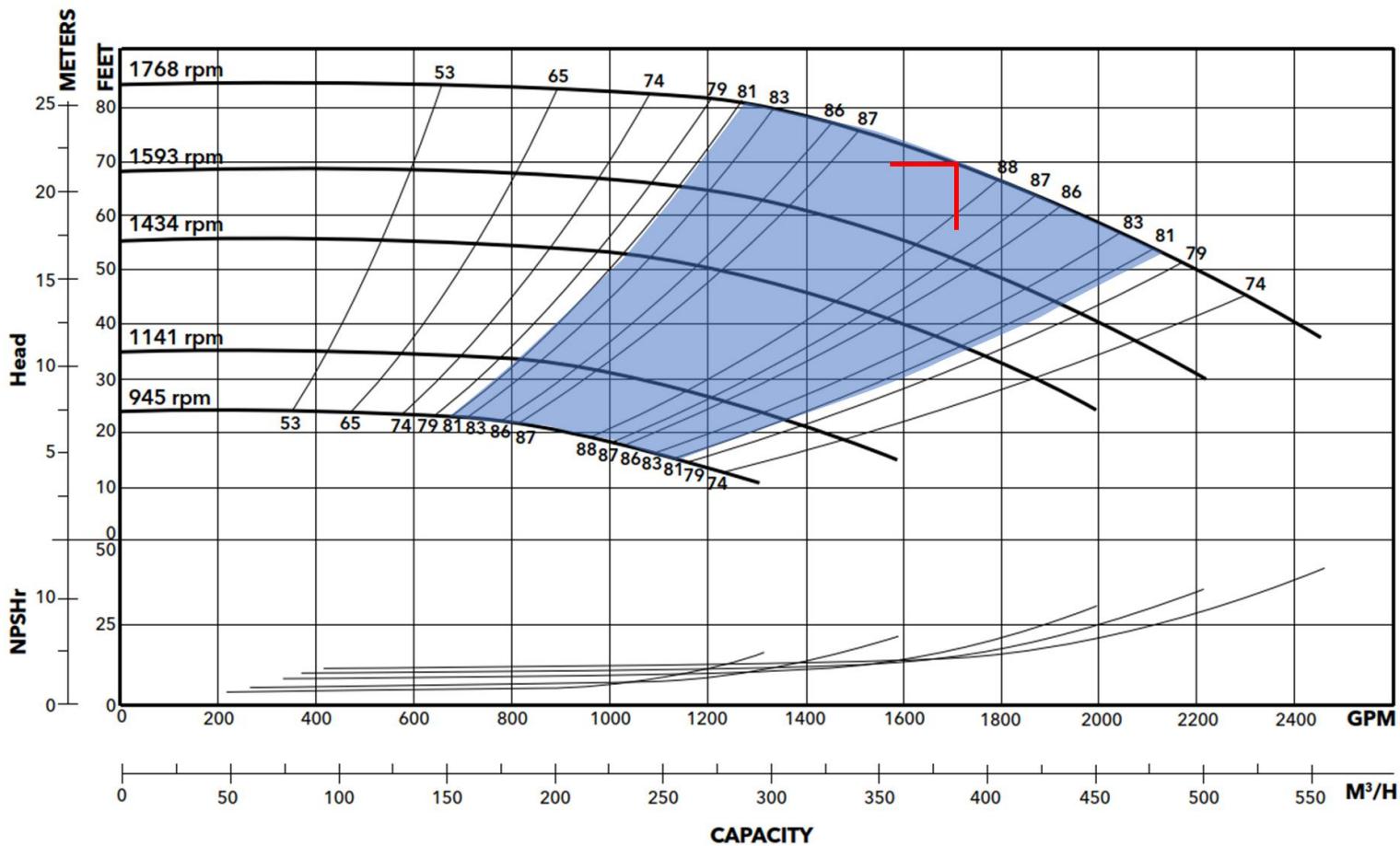


Certified to  
NSF/ANSI/CAN 50



**Performance Curve**

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



|                                  |   |
|----------------------------------|---|
| <b>Best Efficiency Point</b>     | 1,700 gpm at 70 ft head<br>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>                | 6BD   |
| <b>Suction</b>                   | 8.0 in  |
| <b>Discharge</b>                 | 6.0 in  |

Updated 04.14.25

***Motor & Electrical***

|                              |   |
|------------------------------|---|
| <b>Rated power, HP</b>       | 40  |
| <b>Voltage, 3-phase AC</b>   | <input checked="" type="checkbox"/> 230/460 V<br><input 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>            | 286JM   |
| <b>Shaft Sleeve Diameter</b> | 1.625"  |
| <b>Motor Part Number</b>     | 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                             |

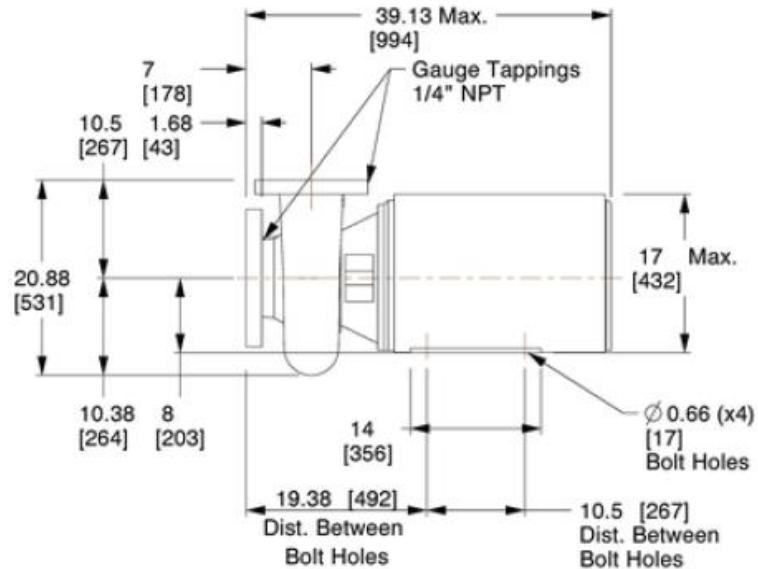
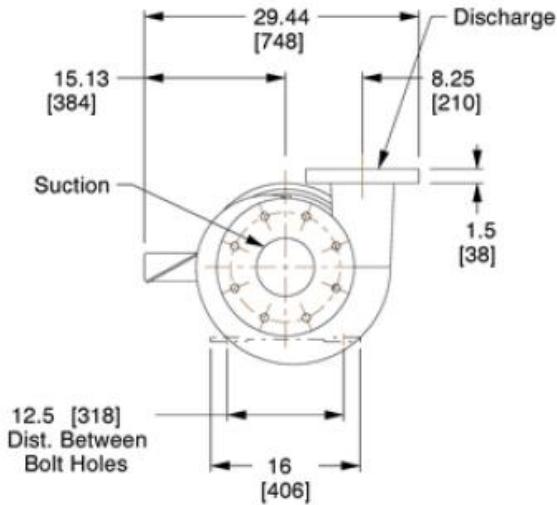
***Mechanical Seal Assembly***

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

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*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