



**MYERS<sup>®</sup>**

**TWO-STAGE CENTRIFUGAL PUMPS**

**CONSTRUCTION AVAILABLE**

**- ALL IRON**

**- BRONZE FITTED**

# MYERS® TWO-STAGE CENTRIFUGAL PUMPS

## Rugged and Versatile

MYERS I2C and I2CI Two-Stage Centrifugal pumps are designed and built for rugged continuous duty service. This general service pump can be utilized in a wide variety of applications. Over the years MYERS multistage centrifugals have earned a reputation for dependable performance and quality workmanship, delivering maximum performance with smooth, quiet operation.

These high head (to 400 feet) medium capacity (to 140 GPM) pumps are available in standard fitted (I2C) and all iron (I2CI) construction. The I2C and I2CI have threaded 2" suction and 1 1/2" discharge ports. All frame mounted motor driven units are standard with 3450 RPM, 60 hertz, three phase motors in 5 to 20 horsepower sizes.

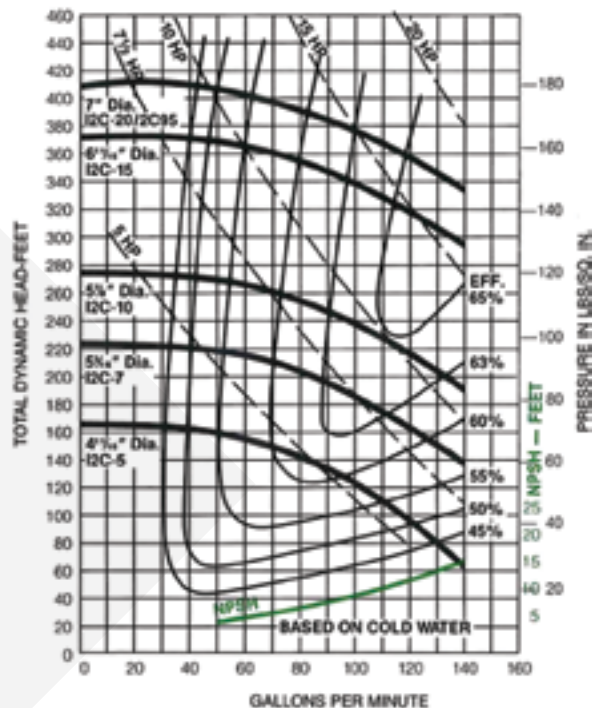
They are 230 / 460 volt, open drip proof, general purpose type. For special motors, please consult the factory.

### APPLICATIONS

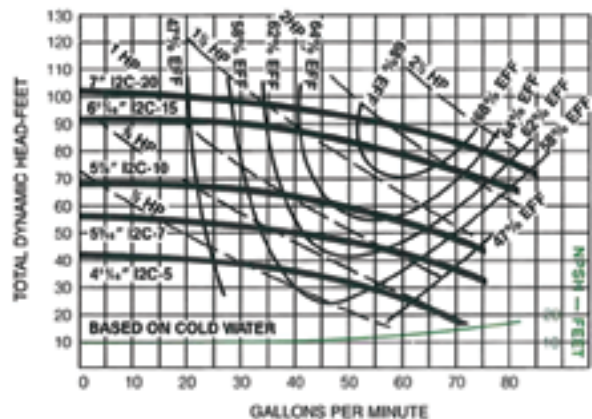
- Booster service
- Irrigation
- Cold and hot water circulation
- Fluid transfer
- Boiler feed
- Car wash installations
- Water reclamation
- Water supply
- Golf course sprinkling
- General industrial and commercial applications
- Jobs requiring pumping clear or noncorrosive liquids

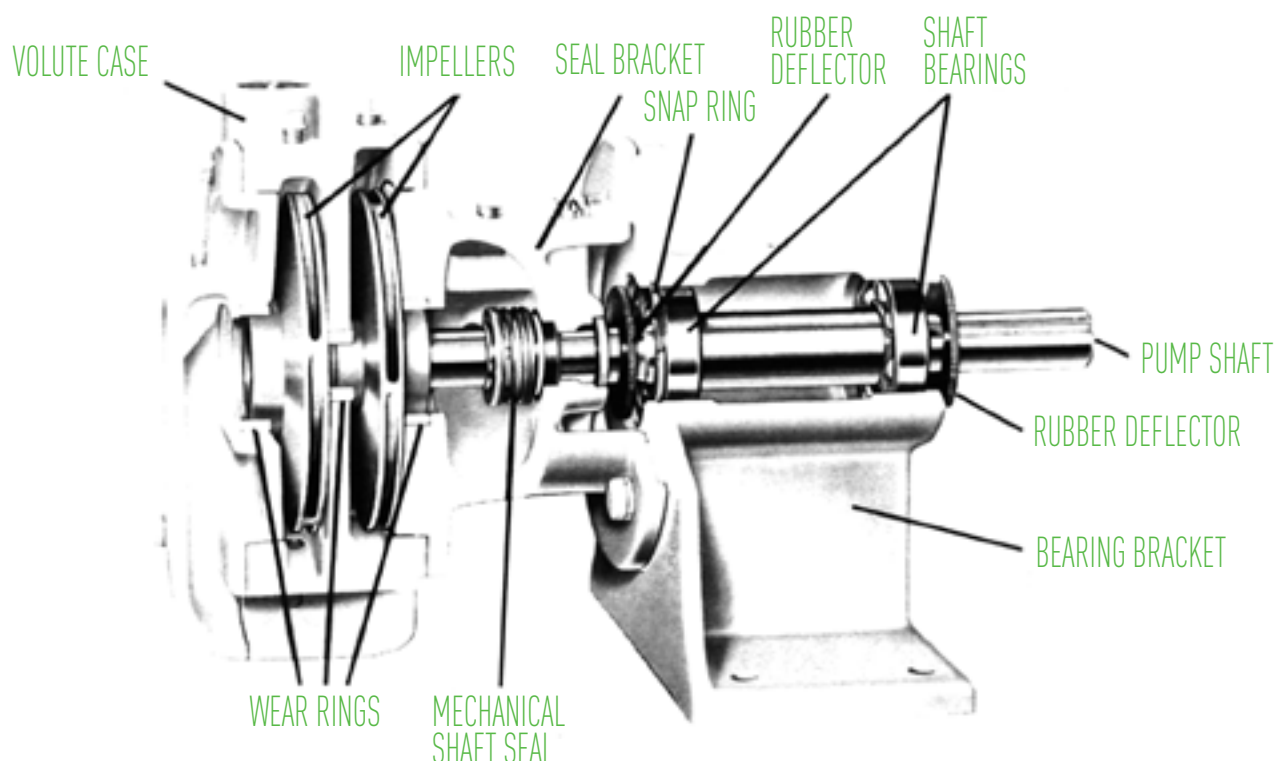
### PERFORMANCE CURVES

I2C AND I2CI TWO-STAGE CENTRIFUGALS  
1 1/2" DISCHARGE 2" SUCTION MOTOR DRIVEN-3450 RPM



1700 RPM





## CONSTRUCTION MATERIALS

### VOLUTE CASE

High tensile gray iron casting with wear rings. Threaded discharge tapping rotates to 8 positions.

### SEAL BRACKET

High tensile gray iron casting with threaded suction tapping. Seal bracket has oil chamber to lubricate and cool the seal face.

### DRAIN PLUGS

Plugs are conveniently located so case can be completely drained in any discharge position.

### BEARING BRACKET

Heavy duty bracket provides rigid support for liquid end. Holds shaft bearings in perfect alignment with pump case for quiet operation.

### SHAFT BEARINGS

Heavy duty ball bearings, sealed on outboard side, lubricated at the factory.

### IMPELLERS

Dual enclosed impellers are hydraulically and dynamically balanced. Mounted back-to-back for reduced axial thrust, results in vibration free operation and minimum bearing load. I2C has bronze impellers and I2CI has epoxy coated, high tensile gray iron impellers.

### WEAR RINGS

Replaceable wear rings and interstage bushings help to eliminate wear of the casting in the impeller hub and ring area. Bronze in I2C, Ni-Resist in I2CI.

### MECHANICAL SHAFT SEAL

Located on suction side to provide lower pressure differential and longer seal life and maximum positive inlet pressure of 75 PSI. Standard seal will accommodate 220°F. Please consult factory for special seal applications.

### PUMP SHAFT

Manufactured from tough corrosion resistant 416 stainless steel.

### RUBBER DEFLECTOR

Molded rubber deflector protects bearings from moisture and dirt.

### SNAP RING

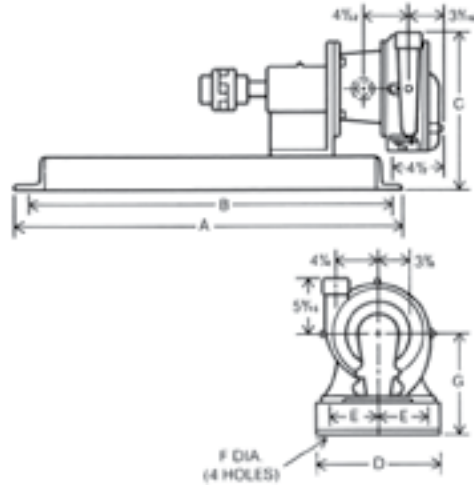
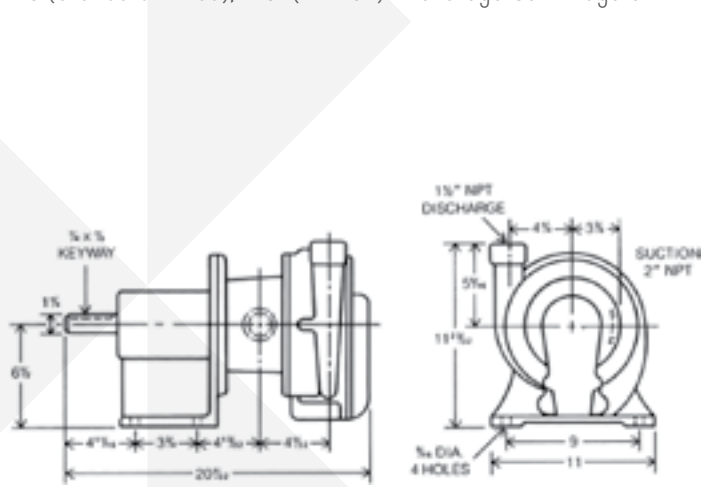
Carbon steel ring holds bearing/shaft assembly in place, prevents axial movement of the bearings and shaft.

### MOTOR (FRAME MOUNTED UNITS)

General purpose, 3450 RPM open drip proof. 230/460 volt motor is standard. TEFC motors available on request. Frame mounted units use a flexible coupling for easy motor or pump replacement. Mounted on a heavy-duty welded steel base.

# SPECIFICATIONS (For estimating only)

## I2C (Standard Fitted), I2CI (All Iron) Two-Stage Centrifugals

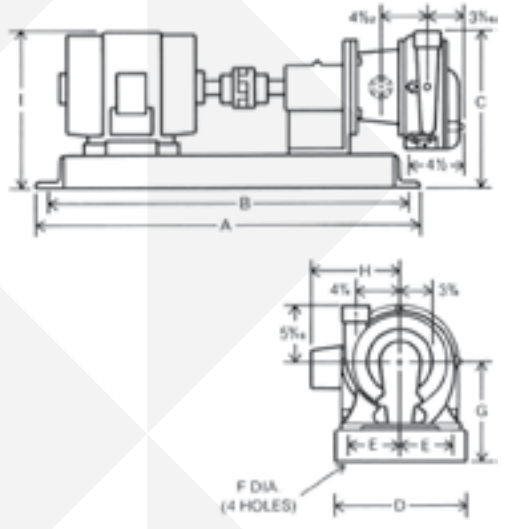


### Basic Pumps

| Catalog No.   | Engr. No. | Standard Impeller Dia. | Approx. Ship Wt. Lbs. |
|---------------|-----------|------------------------|-----------------------|
| I2C-5         | 15034E014 | 4 11/16"               | 125                   |
| I2CI-S        | 15034E034 |                        |                       |
| I2C-7         | 15034E013 | 5 5/16"                | 125                   |
| I2CI-7        | 15034E033 |                        |                       |
| I2C-10        | 15034E012 | 5 7/8"                 | 125                   |
| I2CI-10       | 15034E032 |                        |                       |
| I2C-15        | 15034E011 | 6 11/16"               | 125                   |
| I2CI-15       | 15034E031 |                        |                       |
| I2C-20        | 15034E010 | 7"                     | 125                   |
| I2CI-20/I2C95 | 15034E001 |                        |                       |

### Frame Mounted (Less Motor)

| Catalog No. | Engr. No. | Recom. Motor HP and Frame | Pump Shaft Dia. | Motor Shaft Dia. | DIMENSIONS, INCHES |    |          |    |       |       |       |     | Approx. Ship Wt. Lbs. |
|-------------|-----------|---------------------------|-----------------|------------------|--------------------|----|----------|----|-------|-------|-------|-----|-----------------------|
|             |           |                           |                 |                  | A                  | B  | C        | D  | E     | F     | G     |     |                       |
| I2CB-5      | 17375B014 | 5                         | 1 1/4"          | 1 1/8"           | 37                 | 35 | 14 13/16 | 12 | 5     | 5/8   | 9 1/2 | 250 |                       |
| I2CIB-5     | 17375B039 | 182T                      |                 |                  |                    |    |          |    |       |       |       |     |                       |
| I2CB-7      | 17375B013 | 7 1/2                     | 1 1/4"          | 1 1/8"           | 37                 | 35 | 14 13/16 | 12 | 5     | 5/8   | 9 1/2 | 250 |                       |
| I2CIB-7     | 17375B038 | 184T                      |                 |                  |                    |    |          |    |       |       |       |     |                       |
| I2CB-10     | 17375B012 | 10                        | 1 1/4"          | 1 3/8"           | 42                 | 40 | 15 5/16  | 15 | 6 1/2 | 11/16 | 10    | 250 |                       |
| I2CIB-10    | 17375B037 | 213T                      |                 |                  |                    |    |          |    |       |       |       |     |                       |
| I2CB-15     | 17375B011 | 15                        | 1 1/4"          | 1 3/8"           | 42                 | 40 | 15 5/16  | 15 | 6 1/2 | 11/16 | 10    | 250 |                       |
| I2CIB-15    | 17375B036 | 215T                      |                 |                  |                    |    |          |    |       |       |       |     |                       |
| I2CB-20     | 17375B010 | 20                        | 1 1/4"          | 1 5/8"           | 42                 | 40 | 15 5/16  | 15 | 6 1/2 | 11/16 | 10    | 250 |                       |
| I2CIB-20    | 17375B035 | 254T                      |                 |                  |                    |    |          |    |       |       |       |     |                       |



### Frame Mounted (With Motor)

| Catalog No. | Engr. No.  | Motor HP | Pump Shaft Dia. | Motor Shaft Dia. | DIMENSIONS, INCHES |    |          |    |       |       |       |         |          |     | Approx. Ship Wt. Lbs. |
|-------------|------------|----------|-----------------|------------------|--------------------|----|----------|----|-------|-------|-------|---------|----------|-----|-----------------------|
|             |            |          |                 |                  | A                  | B  | C        | D  | E     | F     | G     | H       | I        |     |                       |
| I2CB-SM     | 17375B999* | 5        | 1 1/4"          | 1 1/8"           | 37                 | 35 | 14 13/16 | 12 | 5     | 5/8   | 9 1/2 | 8 1/16  | 14 13/16 | 386 |                       |
| I2CIB-SM    | 17375B998* |          |                 |                  |                    |    |          |    |       |       |       |         |          |     |                       |
| I2CB-SM     | 17375B004  | 5        | 1 1/4"          | 1 1/8"           | 37                 | 35 | 14 13/16 | 12 | 5     | 5/8   | 9 1/2 | 8 1/16  | 14 13/16 | 356 |                       |
| I2CIB-SM    | 17375B034  |          |                 |                  |                    |    |          |    |       |       |       |         |          |     |                       |
| I2CB-7M     | 17375B003  | 7 1/2    | 1 1/4"          | 1 1/8"           | 37                 | 35 | 14 13/16 | 12 | 5     | 5/8   | 9 1/2 | 8 1/16  | 14 13/16 | 360 |                       |
| I2CIB-7M    | 17375B033  |          |                 |                  |                    |    |          |    |       |       |       |         |          |     |                       |
| I2CB8-10M   | 17375B002  | 10       | 1 1/4"          | 1 3/8"           | 42                 | 40 | 15 5/16  | 15 | 6 1/2 | 11/16 | 10    | 8 7/8   | 15 5/16  | 400 |                       |
| I2CIB-10M   | 17375B032  |          |                 |                  |                    |    |          |    |       |       |       |         |          |     |                       |
| I2CB-15M    | 17375B001  | 15       | 1 1/4"          | 1 3/8"           | 42                 | 40 | 15 5/16  | 15 | 6 1/2 | 11/16 | 10    | 8 7/8   | 15 5/16  | 440 |                       |
| I2CIB-15M   | 17375B031  |          |                 |                  |                    |    |          |    |       |       |       |         |          |     |                       |
| I2CB-20M    | 17375B000  | 20       | 1 1/4"          | 1 5/8"           | 42                 | 40 | 15 5/16  | 15 | 6 1/2 | 11/16 | 10    | 9 11/16 | 15 5/16  | 500 |                       |
| I2CIB-20M   | 17375B030  |          |                 |                  |                    |    |          |    |       |       |       |         |          |     |                       |

\*Single Phase



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