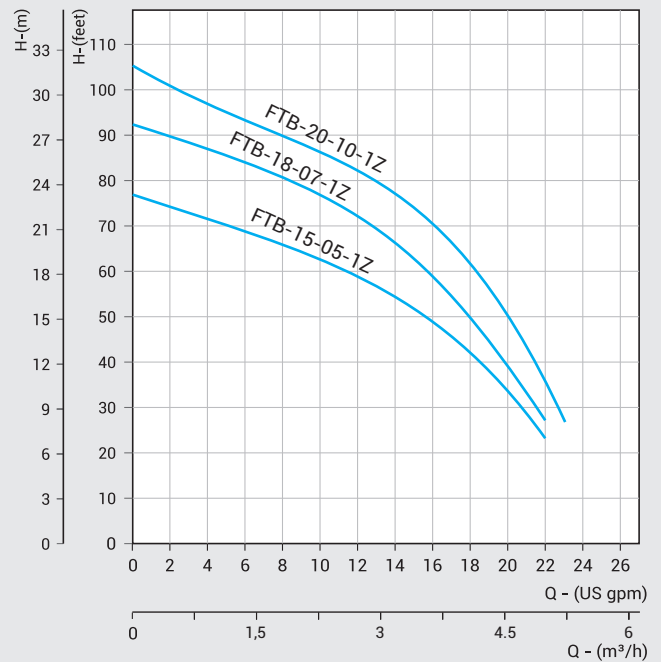


## CENTRIFUGAL MONOBLOCK PUMPS (FTB SERIES)



### PERFORMANCE CURVES



### PERFORMANCE TABLE

| PUMP MODEL   | MOTOR POWER |      | NOMINAL PUMP SIZE (Suc x Del) | m³/h               | 0      | 0,9 | 1,82 | 2,72 | 3,63 | 4,54 | 5  | 5,22 |
|--------------|-------------|------|-------------------------------|--------------------|--------|-----|------|------|------|------|----|------|
|              | HP          | kW   |                               |                    | US-gpm | 0   | 4    | 8    | 12   | 16   | 20 | 22   |
| FTB-15-05-1Z | 0,5         | 0,37 | 1" x 1"                       | Total Head in feet | 77     | 72  | 65   | 59   | 49   | 34   | 23 |      |
| FTB-18-07-1Z | 0,75        | 0,55 | 1" x 1"                       |                    | 92     | 87  | 81   | 72   | 59   | 39   | 28 |      |
| FTB-20-10-1Z | 1,0         | 0,75 | 1" x 1"                       |                    | 105    | 97  | 90   | 82   | 71   | 50   | 36 | 28   |

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

### SPECIFICATIONS

|                          |   |
|--------------------------|---|
| Power Range              | : 0,5 HP - 2 HP   |
| Speed                    | : 3450 rpm  |
| Versions                 | : 1Ph, 110/220V, 60Hz (upto 1,5HP)<br>1Ph, 220V, 60Hz (2HP)<br>(Permanent Split Capacitor-PSC)<br>Incorporated with thermal overload protector<br>3Ph, 220/380/460V, 60Hz |
| Direction of Rotation    | : Clock wise viewed from driving end  |
| Type of Duty             | : S1 (Continuous)   |
| Degree of Protection     | : IP 55   |
| Class of insulation      | : "F" / "B"   |
| Suction & Delivery Sizes | : 1" x 1", 1½" x 1½" & 2" x 2" BSP/NPT  |

### APPLICATIONS

- Residential
- Irrigation
- Small Farms
- Pressure Boosting units
- Industrial Water Supply
- Washing Systems

### MATERIALS OF CONSTRUCTION

|                 |                              |
|-----------------|------------------------------|
| Pump Casing     | : Cast Iron                  |
| Motor Frame     | : Aluminium                  |
| Impeller        | : Bronze / Cast Iron         |
| Shaft           | : S.S 304 + Carbon Steel #45 |
| Mechanical Seal | : Carbon & Ceramic           |

### PUMP OPERATING LIMITS

|                             |                 |
|-----------------------------|-----------------|
| Maximum Head                | : 105 ft / 32 m |
| Maximum Suction lift        | : 23 ft / 7 m   |
| Maximum liquid Temperature  | : 104°F / 40°C  |
| Maximum Ambient Temperature | : 122°F / 50°C  |

### FEATURES

- High operating efficiency resulting in lower power consumption
- Good suction lift characteristics
- Dynamically balanced rotating parts including rotor and impeller
- Compact and rigid construction
- Inbuilt thermal Overload protector in all single phase pumps.

# CENTRIFUGAL MONOBLOCK PUMPS (FTB SERIES)



## PERFORMANCE TABLE

| PUMP MODEL   | MOTOR POWER |     | NOMINAL PUMP SIZE (Suc x Del) | m <sup>3</sup> /h  | 0      | 1,82 | 3,63 | 5,45 | 6,35 | 7,27 | 8,17 | 9,08 | 10,22 |
|--------------|-------------|-----|-------------------------------|--------------------|--------|------|------|------|------|------|------|------|-------|
|              | HP          | kW  |                               |                    | US-gpm | 0    | 8    | 16   | 24   | 28   | 32   | 36   | 40    |
| FTB-40-15-1Z | 1,5         | 1,1 | 1½" x 1½"                     | Total Head in feet | 31     | 29.5 | 28   | 25   | 23   | 20   | 16   | 11   | 3     |

| PUMP MODEL  | MOTOR POWER |     | NOMINAL PUMP SIZE (Suc x Del) | m <sup>3</sup> /h  | 0      | 4,54 | 9,08 | 11,36 | 13,63 | 15,90 | 18,17 | 20,44 | 22,71 |
|-------------|-------------|-----|-------------------------------|--------------------|--------|------|------|-------|-------|-------|-------|-------|-------|
|             | HP          | kW  |                               |                    | US-gpm | 0    | 20   | 40    | 50    | 60    | 70    | 80    | 90    |
| FTB-70-20-1 | 2           | 1,5 | 2" x 2"                       | Total Head in feet | 64     | 62   | 57   | 54,5  | 50    | 46    | 40    | 33    | 24    |

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## PERFORMANCE CURVES

