



Enriching Lives



# CPBS

Pressure Boosting System



# KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

# CPBS

## Pressure Boosting System

### TECHNICAL SPECIFICATION

|                 |                                 |
|-----------------|---------------------------------|
| Head Range      | Upto 52 meters                  |
| Discharge Range | Upto 140 LPM                    |
| Power Rating    | 0.4 to 1.1 kW (0.6 to 1.5 HP)   |
| Pressure Range  | Upto 4.4 kg/cm <sup>2</sup>     |
| Voltage range   | 180 to 240 Volts (Single phase) |
| Insulation      | B Class                         |
| Protection      | IP 44                           |
| Tank Size       | 24 Litres                       |

### MATERIAL OF CONSTRUCTION

|                           |                   |
|---------------------------|-------------------|
| Impeller                  | Stainless Steel   |
| Diffuser                  | Stainless Steel   |
| Motor Body                | Aluminum Die Cast |
| Pump shaft                | Steel             |
| Pump Stage Casing         | Stainless Steel   |
| Suction & Delivery Casing | Cast Iron         |

### APPLICATIONS

- Constant pressure at multi outlets
- Multi jet shower panels
- Washing machine, hot water geyser, gas geyser
- Pressurised washing of vehicles
- Kitchenware washing

### FEATURES

#### Compact reliable and silent

Dynamically balanced rotating parts, superior quality bearings and SS fabricated impellers with compact design ensures reliable and silent operations

#### TOP - Thermal Overload Protector

The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

#### Diaphragm type pressure tank

Diaphragm type pressure tank made from high grade engineering material

#### Reliable & durable components

Reliable and durable peripheral parts such as Pressure Switch, Standardized Size of 5 Way Connector, and Italian make NRV and SS hose pipe.

#### Easy maintainable designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

PERFORMANCE OF 'CPBS' SERIES, PRESSURE BOOSTING SYSTEM, AT RATED VOLTAGE, 50 Hz, SINGLE PHASE A.C. POWER SUPPLY

| Pump Model<br>Horizontal/<br>Vertical Models | Power<br>Rating |     | Pipe<br>Size<br>(mm) |      | Rated<br>Current<br>(Amps) | Rated<br>Voltage<br>(Volts) | Pressure<br>Range<br>(kg/cm <sup>2</sup> ) | No. Of<br>Outlets/<br>Taps | No. Of<br>Stages | DISCHARGE IN LPM     |    |    |    |     |     |     |
|----------------------------------------------|-----------------|-----|----------------------|------|----------------------------|-----------------------------|--------------------------------------------|----------------------------|------------------|----------------------|----|----|----|-----|-----|-----|
|                                              |                 |     |                      |      |                            |                             |                                            |                            |                  | 20                   | 40 | 60 | 80 | 100 | 120 | 140 |
|                                              | kW              | HP  | Suc.                 | Del. |                            |                             |                                            |                            |                  | TOTAL HEAD IN METERS |    |    |    |     |     |     |
| CPBS-52424H / V                              | 0.4             | 0.6 | 25                   | 25   | 5.5                        | 220                         | 1.4 - 2.4                                  | 5                          | 2                | 25                   | 21 | 17 | 6  |     |     |     |
| CPBS-62824H / V                              | 0.6             | 0.8 | 25                   | 25   | 6.5                        | 220                         | 1.8 - 2.8                                  | 6                          | 3                | 35                   | 30 | 26 | 16 | 6   |     |     |
| CPBS-73624H / V                              | 0.75            | 1.0 | 25                   | 25   | 7.5                        | 220                         | 2.2 - 3.6                                  | 7                          | 4                | 41                   | 37 | 33 | 29 | 24  | 18  | 6   |
| CPBS-84424H / V                              | 1.1             | 1.5 | 25                   | 25   | 8.5                        | 220                         | 2.4 - 4.4                                  | 8                          | 5                | 52                   | 47 | 43 | 37 | 30  | 24  | 12  |

Note: Performance applicable to liquid of specific gravity 1 and viscosity as of water.

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