



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 Horizontal/ Vertical Models	Power Rating		Pipe Size (mm)		Rated Current (Amps)	Rated Voltage (Volts)	Pressure Range (kg/cm <sup>2</sup> )	No. Of Outlets/ Taps	No. Of 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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