



PCJS



MHBS



C.R.I. PRESSURE BOOSTING SYSTEM

PCJS, MHBS & ROYALE FORCE

The Booster system maintains the even water pressure in all the outlets. When the pressure drops to the pre-set level, the pump will start-up and meets the demand, When the pressure attained its maximum pre-set pressure, the pump will be switched off. By this automation, even water pressure is ensured in all the outlets.

The complete system is compactly assembled and well mounted on a right base. Occupies less space facilitated by the sturdy and compact design.

FUNCTIONS

The system consists of pump, non-return valve, pressure switch, pressure gauge, Y-Strainer and pressure tank. As the Y-Strainer included in the system, the entry of foreign particles are avoided and thus the system life is extended.



OPERATIONAL LIMITS	MHBS	PCJS	ROYALE FORCE
Liquid temperature upto	90°C	33°C	33°C
Power ranges upto	1.5HP	1HP	0.5HP
Hydraulic performance			
Flow upto	8 m ³ /hr	3.6 m ³ /hr	2.2 m ³ /hr
Maximum pressure	5.5 bar	4.6 bar	3.0 bar

MHBS - Pressure Tank Sizes : 24 L and 35 L

PCJS - Pressure Tank Size : 24 L

ROYALE FORCE - Pressure Tank Size : 2 L

SALIENT FEATURES

- Inbuilt thermal overload protector
- Lesser running cost than the conventional systems
- No manual interference to operate the plumbing system
- High operating efficiency
- Factory tested system and supplied as a package

APPLICATIONS

- Residential Buildings
- Industries
- Hotels
- Hospitals
- Apartments
- Bungalows

PERFORMANCE CHART

MHBS SERIES MULTISTAGE HORIZONTAL BOOSTER SYSTEM

2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply.

Model	Power		Head (m)	Flow (m ³ /hr)						Suction Size (mm)	Delivery Size (mm)	
	kW	HP		0	1.0	1.5	2.0	2.5	3.0			3.5
MHBS-2E/03	0.30	0.40		27	24	23	21	18.5	16	12.5	25	25
MHBS-2E/04	0.37	0.50		37	33	32	29	26	22	17.5	25	25
MHBS-2E/05	0.45	0.60		47	43	40	37	33	27.5	21.5	25	25
MHBS-2E/06	0.55	0.75		55	50	47.5	43.5	38.5	32.5	26.5	25	25

Model	Power		Head (m)	Flow (m ³ /hr)						Suction Size (mm)	Delivery Size (mm)		
	kW	HP		0	2	3	4	5	6			7	8
MHBS-5/04	0.55	0.75		35	31	28.5	26	23	18	16	12	25	25
MHBS-5/05 \$	0.75	1.0		45	40	38	34	31	24	22	15	25	25
MHBS-5/06 \$	1.1	1.5		54	49.5	47	43	38	30	22	20	25	25

\$ - Marked models in 35 ltr tank

PCJS SERIES PRESSURE BOOSTING CENTRIFUGAL JET SELFPRIMING PUMPSETS

2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply.

Model	Power		Head (m)	Flow (m ³ /hr)						Suction Size (mm)	Delivery Size (mm)			
	kW	HP		0	0.6	0.8	1.0	1.4	1.8			2.2	2.6	3.0
PCJS-7 / 7S	0.37	0.5		39	35.4	33.8	32.5	29.7	26.8	24.4	20.3	25	25	
PCJS-8S	0.75	1.0		42.7	38.3	37	35.9	33.1	30	27.2	22.7	16	25	25
PCJS-8	0.75	1.0		46	41.8	40	38.6	35.7	32.6	30	26	25	25	



PERFORMANCE CHART

ROYALE FORCE SERIES
 PRESSURE BOOSTING
 REGENERATIVE SELFPRIMING PUMPSETS

2880 RPM, Single Phase - 220 - 240 Volts 50Hz, A.C. Supply.



Model	Power		Head (m)	Flow (m ³ /hr)								Suction Size (mm)	Delivery Size (mm)	
	kW	HP		0.4	0.8	1.1	1.4	1.6	1.9	2.0	2.1			2.2
ROYALE FORCE 50	0.37	0.5		30	25	21	18	15	12	10	8	6	25	25

Supplied with 2 litres tank

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump Casing	Cast Iron
Bracket & Rear Cover	Cast Iron
Rotor	Aluminium Die Cast
Motor Body	Aluminium Extruded
Motor Shaft	SS 410
Cooling Fan	Poly Propelene - Co Polimer
Cooling Fan Cover	Poly Propelene - Co Polimer / MS
Impeller	SS / CI / High Tensile Brass
Mechanical Seal	Carbon & Ceramic