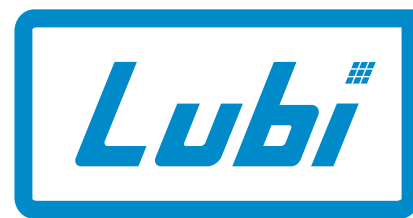


**TB SERIES**

# Twin Booster Systems

**50 Hz**



**PUMPS • MOTORS**

ISO 9001 Company



# Twin Booster Systems



**TBMH**



**TBMFHC**

## INTRODUCTION

TBMH twin Booster set consist of two identical Lubi TBMH Pumps connected in parallel and mounted on a common base plate with a control cabinet for automatic control and protection of the booster system. The Booster System is available in the following version of pumps:

### TBMH:

- Pump stages as well as all moving parts in in contact with liquid are made of stainless steel AISI 304.
- Suction and Discharge casing are Cast Iron; Base plate is made of Steel.

### TBMHI:

- Same as TBMH, but Suction and Discharge casing are made of stainless steel 304 (CF8).

### TBMHN:

- Same as TBMH, but Suction and Discharge casing are made of stainless steel 316 (CF8M).

### TBMFHC:

TBMFHC twin Booster set consist of two identical Lubi MFHC Pumps connected in parallel and mounted on a common base plate with a control cabinet for automatic control and protection of the booster system. Pump stages as well as all moving parts in in contact with liquid are made of glass rain forced Noryl. Suction and Discharge casing are Cast Iron.

## SPECIAL FEATURES

- Non self-priming, Horizontal, Multistage Centrifugal Pump.
- Enclosure Class: IP 54 • Insulation Class: F • Quiet Operation
- The base plate and header pipes are hot dip galvanized for superior corrosion prevention.
- All Pumps made of cast iron or Steel are CED coated to give excellent corrosion resistance.
- The entire system is compact and mounted on a common base plate.
- The System is factory assembled and tested and is supplied with Hydro-Pneumatic pressure tank.
- One working and one standby pump operation provide a reliable supply of water in event of pump failure.
- Automatic alteration of pumps provide equal running of working as well as standby pump.
- The Pump are protected against dry running by the controller by using a current sensing relay.
- Automatic Start / Stop up to 100 times per hour will not result in to pump burnout.
- Automatic cascade controls of pumps by means of pressure switches provide additional capacity during peak hour consumption.

## MATERIAL OF CONSTRUCTION

	TBMH	TBMHI	TBMHN
Suction Casing	C.I. ASTM 30B	S.S. 304(CF8)	S.S. 316(CF8M)
Discharge casing	C.I. ASTM 30B	S.S. 304(CF8)	S.S. 316(CF8M)
Impeller	S.S. 304	S.S. 304	S.S. 316
Stage casing	S.S. 304	S.S. 304	S.S. 316
Pump shaft	S.S. 304	S.S. 304	S.S. 316
Mechanical shaft seal	Carbon / Ceramic / NBR		

## TBMFHC

Suction & Discharge Casings	Cast Iron
Pump Jacket	Stainless Steel
Bowl Casing	Glass rainforces PPO (Noryl)
Impeller	Glass rainforces PPO (Noryl)
Mechanical seal	Carbon / Ceramic / NBR
Pump shaft	Stainless Steel

## TWIN SYSTEM INCLUDES

- Suction and discharge manifolds.
- Isolating valves.
- Non - return valves.
- Pressure gauge.
- Pressure switch.
- Controller.
- Base frame.

## APPLICATIONS

- Large houses
- Domestic buildings
- Schools
- Industrial Plants
- Cottages and villas
- Hotels & Hospitals
- Liquid Transfer and Sprinkler Irrigation.

# Twin Booster Systems



## PERFORMANCE CHART

SYSTEM MODEL	PHASE	PUMP MODEL	HP	PRESSURE RANGE	CAPACITY LPH @ 3 BAR PRESSURE
TBMH2-40	1	MH2-40	0.75	1.8 to 3.0	4000
TBMHT2-40	3	MH2-40	0.75	1.8 to 3.0	4000
TBMH2-50	1	MH2-50	1.0	2.1 to 3.7	5500
TBMHT2-50	3	MH2-50	1.0	2.1 to 3.7	5500
TBMH2-60	1	MH2-60	1.0	2.5 to 4.5	6500
TBMHT2-60	3	MH2-60	1.0	2.5 to 4.5	6500
TBMHI2-40	1	MHI2-40	0.75	1.8 to 3.0	4000
TBMHIT2-40	3	MHI2-40	0.75	1.8 to 3.0	4000
TBMHI2-50	1	MHI2-50	1.0	2.1 to 3.7	5500
TBMHIT2-50	3	MHI2-50	1.0	2.1 to 3.7	5500
TBMHI2-60	1	MHI2-60	1.0	2.5 to 4.5	6500
TBMHIT2-60	3	MHI2-60	1.0	2.5 to 4.5	6500
TBMHN2-40	1	MHN2-40	0.75	1.8 to 3.0	4000
TBMHNT2-40	3	MHN2-40	0.75	1.8 to 3.0	4000
TBMHN2-50	1	MHN2-50	1.0	2.1 to 3.7	5500
TBMHNT2-50	3	MHN2-50	1.0	2.1 to 3.7	5500
TBMHN2-60	1	MHN2-60	1.0	2.5 to 4.5	6500
TBMHNT2-60	3	MHN2-60	1.0	2.5 to 4.5	6500
TBMH4-50	1	MH4-50	1.2	1.6 to 3.5	9900
TBMHT4-50	3	MH4-50	1.2	1.6 to 3.5	9900
TBMH4-60	1	MH4-60	1.5	2.0 to 4.0	10500
TBMHT4-60	3	MH4-60	1.5	2.0 to 4.0	10500
TBMHI4-50	1	MHI4-50	1.2	1.6 to 3.5	9900
TBMHIT4-50	3	MHI4-50	1.2	1.6 to 3.5	9900
TBMHI4-60	1	MHI4-60	1.5	2.0 to 4.0	10500
TBMHIT4-60	3	MHI4-60	1.5	2.0 to 4.0	10500
TBMHN4-50	1	MHN4-50	1.2	1.6 to 3.5	9900
TBMHNT4-50	3	MHN4-50	1.2	1.6 to 3.5	9900
TBMHN4-60	1	MHN4-60	1.5	2.0 to 4.0	10500
TBMHNT4-60	3	MHN4-60	1.5	2.0 to 4.0	10500
TBMFHC101DD	1	MFHC-101DD	1.0	2.0 to 3.9	9000
TBMFHCT101DD	3	MFHC-101DD	1.0	2.0 to 3.9	9000
TBMFHC151DD	1	MFHC-151DD	1.5	2.4 to 4.8	14000
TBMFHCT151DD	3	MFHC-151DD	1.5	2.4 to 4.8	14000
TBMFHC201DD	1	MFHC-201DD	2.0	2.8 to 5.6	16000
TBMFHCT201DD	3	MFHC-201DD	2.0	2.8 to 5.6	16000

SYSTEM MODEL	PHASE	PUMP MODEL	HP	PRESSURE RANGE	CAPACITY LPH
TBMHT10-20	3	MH10-20	1.5	1.4 to 2.8	24000 @ 2.1 KG
TBMHT10-30	3	MH10-30	3.0	2.0 to 4.2	24000 @ 3.3 KG
TBMHT10-40	3	MH10-40	5.0	3.0 to 5.5	24000 @ 4.5 KG
TBMHT10-50	3	MH10-50	5.0	4.0 to 7.0	24000 @ 5.7 KG
TBMHIT10-20	3	MHI10-20	1.5	1.4 to 2.8	24000 @ 2.1 KG
TBMHIT10-30	3	MHI10-30	3.0	2.0 to 4.2	24000 @ 3.3 KG
TBMHIT10-40	3	MHI10-40	5.0	3.0 to 5.5	24000 @ 4.5 KG
TBMHIT10-50	3	MHI10-50	5.0	4.0 to 7.0	24000 @ 5.7 KG
TBMHNT10-20	3	MHN10-20	1.5	1.4 to 2.8	24000 @ 2.1 KG
TBMHNT10-30	3	MHN10-30	3.0	2.0 to 4.2	24000 @ 3.3 KG
TBMHNT10-40	3	MHN10-40	5.0	3.0 to 5.5	24000 @ 4.5 KG
TBMHNT10-50	3	MHN10-50	5.0	4.0 to 7.0	24000 @ 5.7 KG