

TB SERIES

# Twin Booster Systems

50 Hz



## 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).

## 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.
- Delay and minimum run timers are provided to eliminate unnecessary pump cycle.

## 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		

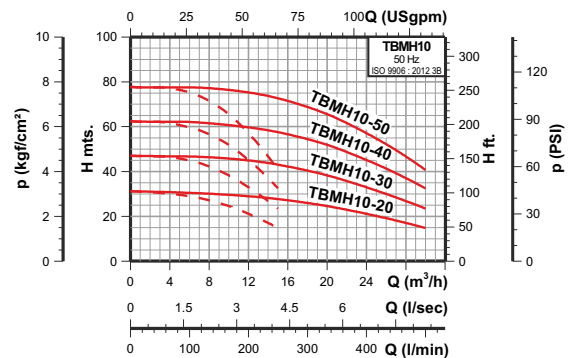
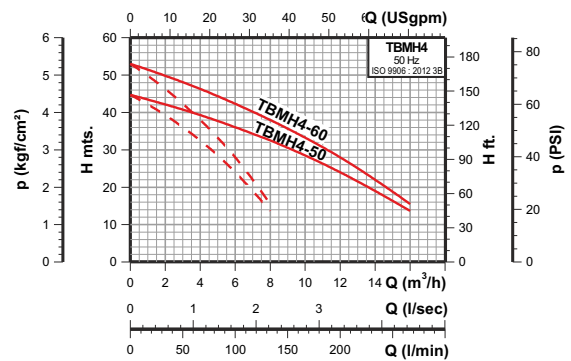
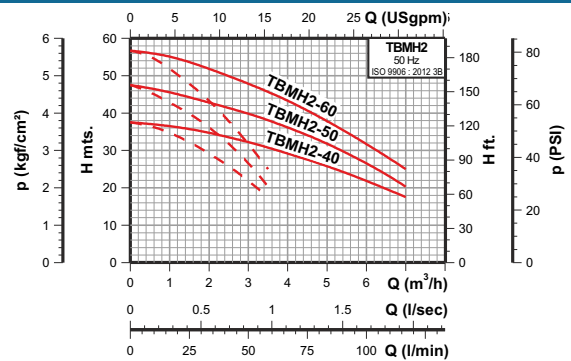
## TWIN SYSTEM INCLUDES

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

## APPLICATIONS

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

## PERFORMANCE CURVES



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