



Passion for Pumps™

Twin Booster Box



BT SERIES

for outdoor service
Pressure Booster Systems
50 Hz

INTRODUCTION

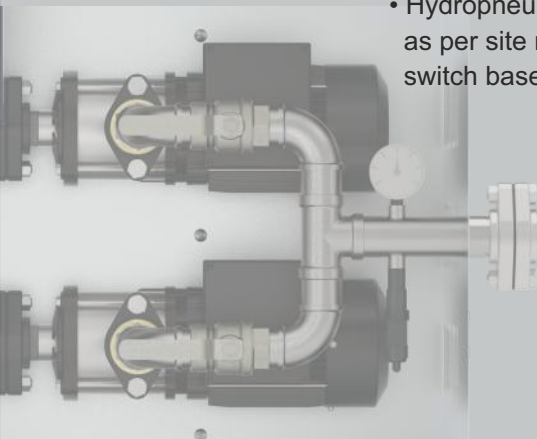
The twin booster box package consists of Lubi SMCI or SMCN booster pumps connected in parallel in 1 working & 1 standby configuration. The Booster package is completely pre-plumbed and prewired at factory for easy, quick and clean installation at site. Booster Box is available with either stainless steel 304 pumps (SMCI Series) or Stainless Steel 316 pumps (SMCN Series). We provide all VFD controllers inside the booster box for power savings. For lower initial costs we offer pressure switch based controls inside the box.

APPLICATIONS

- Bungalow, Cottage, Villas.
- Farm houses.
- Garden sprinkler.
- Schools.
- Small office buildings.
- Irrigation & Industrial use.

SYSTEM INCLUDES

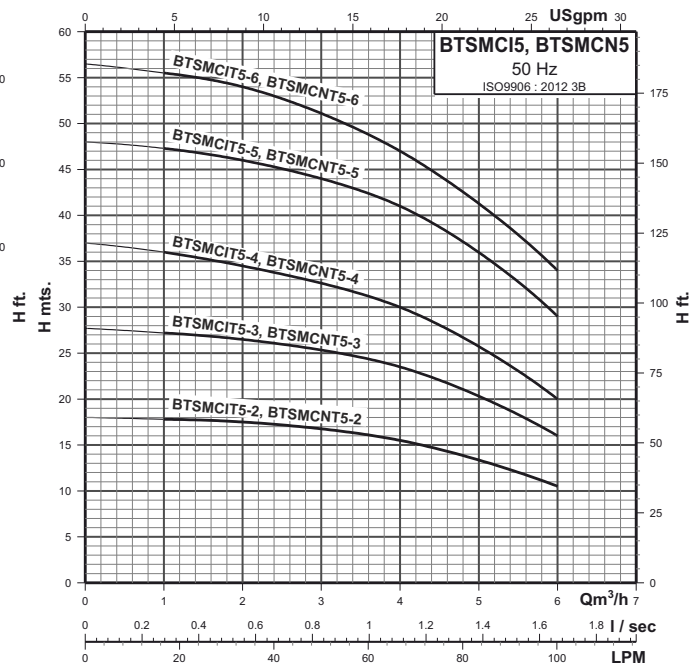
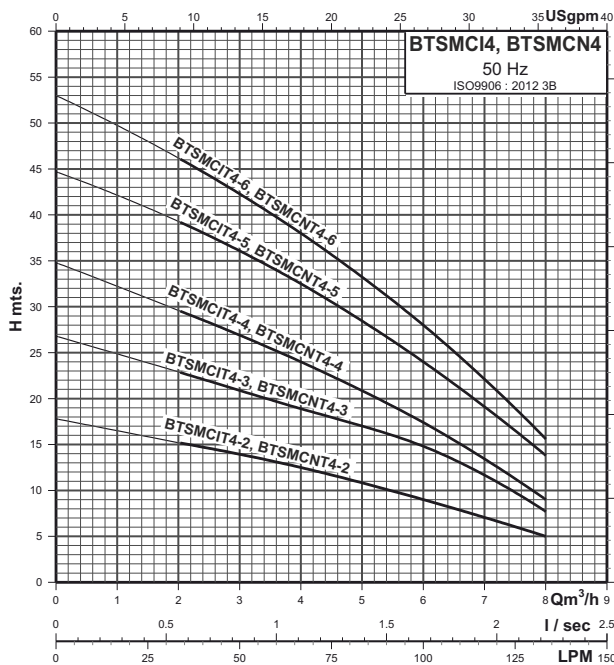
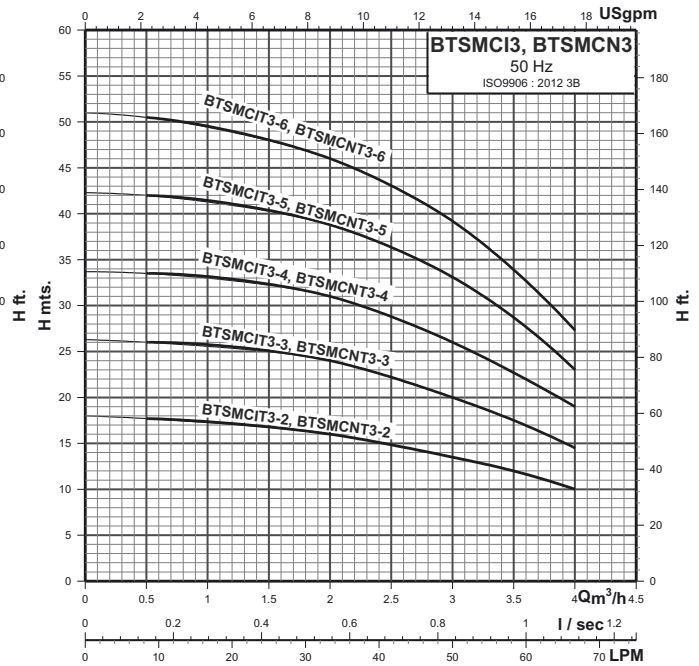
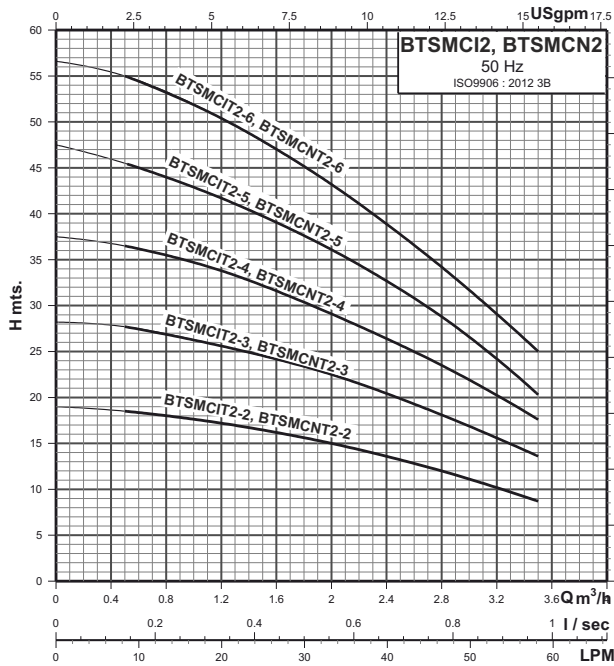
- Suction and discharge manifolds.
- Isolating valves.
- Non - return valves.
- Pressure gauge.
- Pressure switch / Pressure Transducer.
- Controller / VFD.
- Base frame.
- IP23 Enclosure Box.
- Hydropneumatic Pressure Tank as per site requirement for pressure switch based controls.



SPECIAL FEATURES

- Horizontal, Multistage Centrifugal Pump.
- Enclosure Class: IP 23. No Need to provide pump room or shed at site.
- Insulation Class: F • Quiet Operation
- The header pipes are hot dip galvanized for superior corrosion prevention.
- All wetted surfaces on pump and stainless steel.
- The entire system is compact and mounted on a common structural grade corrosion resistant Aluminum Alloy base plate & enclosure.
- The System is factory assembled and tested and is supplied with Hydro-Pneumatic pressure tank as per site requirement for pressure switch based controls.
- All VFD Controls donot require Hydropneumatic pressure tank.
- One working and one standby pump operation provide a reliable supply of water in the event of pump failure.
- Automatic alteration of pumps provide equal running of working as well as standby pump.
- The Pumps are protected against dry running by installing a float switch in supply water tank. Float switch is provided with the Booster Box with 5m Cable. Additional cable can be attached as per site requirement.
- Automatic Start / Stop up to 25 times per hour will not result in pump burnout.
- Automatic cascade controls of pumps by means of pressure switches or transducer provide additional capacity during peak hour consumption.
- Delay and minimum run timers are provided to eliminate unnecessary pump cycling.

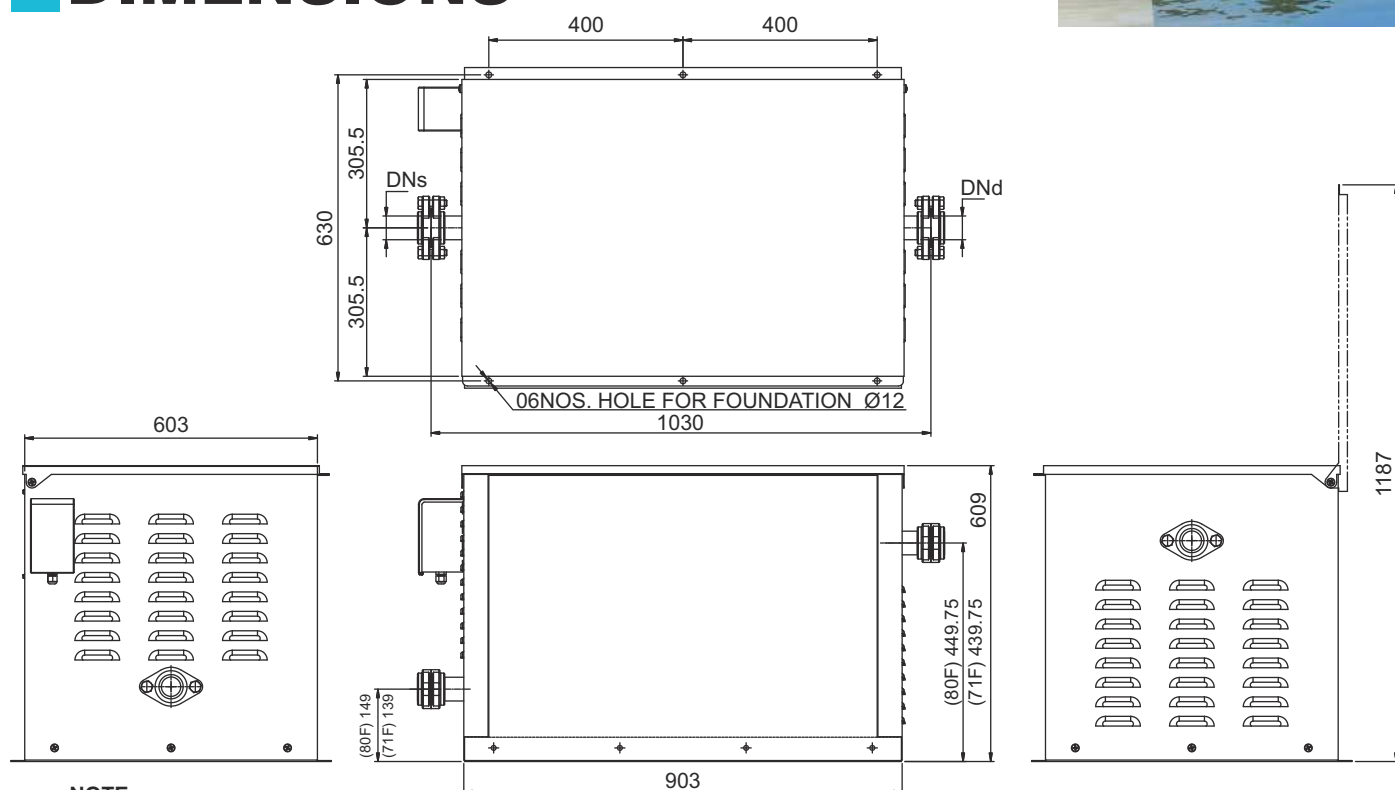
PERFORMANCE CURVES



MATERIAL OF CONSTRUCTION

	BTSMCI	BTSMCN
Booster Box	Structural grade Aluminium	Structural grade Aluminium
Pump casing	Stainless steel AISI 304	Stainless steel AISI 316
Adaptor	Cast iron ASTM 30B	Cast iron ASTM 30B
Casing cover	Stainless steel AISI 304	Stainless steel AISI 316
Cover	Cast iron ASTM 30B	Cast iron ASTM 30B
Impeller	Stainless steel AISI 304	Stainless steel AISI 316
Bowl	Stainless steel AISI 304	Stainless steel AISI 316
Mechanical Seal	Carbon / Ceramic / NBR	

DIMENSIONS



NOTE :

BTSMCI / BTSMCN : 2 & 3 0.5 HP to 1.5 HP DN_s X DN_d 1-1/4" X 1-1/4"

BTSMCI / BTSMCN : 4 & 5 0.5 HP to 1.5 HP DN_s X DN_d 1-1/2" X 1-1/4"

Ordering Key

BT	SMC	I	S	2	2	AF
Type	Pump Model	Material of Construction	Phase	Flow Rate m ³ /h	Stage	VFD
TWIN BOOSTER BOX	SMC	I - SS304 N - SS316	T - Three Phase	2 3 4 5	2 = 2 stage 3 = 3 stage 4 = 4 stage 5 = 5 stage 6 = 6 stage	AF - All VFD PS - Pressure Switch Based

LUBI INDUSTRIES LLP

Lubi Corporate Campus - Near Tragad Under Pass,
S.P. Ring Road, Tragad, Ahmedabad - 382 421. Gujarat, India.

Phone : +91 - 79 - 61700100,

Sales Enquiries: indsales@lubipumps.com, expsales@lubipumps.com

www.lubipumps.com

Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.

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ISO 9001



ISO 14001

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