

# BT Series Drum Pumps



FINISH THOMPSON INC.

## Sealed, High Viscosity

High viscosity sealed design with PTFE screw-type lifting compressors for liquids up to 15,000 cP.

- Features:** Stainless steel tube construction  
 Tube interchangeable with motors  
 Up to 15,000 cP with 3 hp motor

**Applications:** Oils, resins, solvents\*, adhesives, polymers, gear lube, glycerin



**BTS**

**Tube Length**  
40" (102cm)

### Construction Specifications

Pump Model	Construction Materials		Tube Diameter in (cm)	Discharge Size & Type	Hose Size in (cm)	Max. Temp.		Min. Temp.	
	Outer Tube	Internals				°F	°C	°F	°C
BTS	316 Stainless Steel	316 Stainless Steel, PTFE	2 (5.1)	1-1/2" Hose Barb	1-1/2 (3.8)	200	93	-20	-29

Consult FTI's Chemical Resistance Chart (<http://www.finishthompson.com/downloads/drum-pumps/technical-flyers>) before selecting pump material.

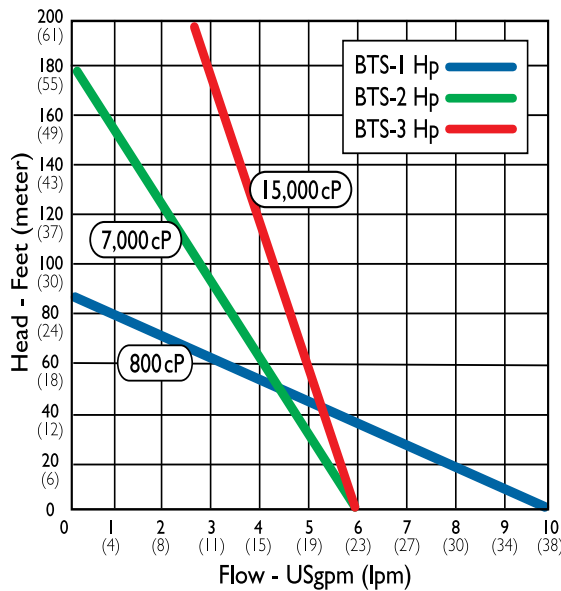
### Performance Data

Maximum Flow**		Maximum Head**		Maximum Specific Gravity	Maximum Viscosity	
Electric gpm (lpm)	Air gpm (lpm)	Electric ft (m)	Air ft (m)		Electric	Air
10 (38)	10 (38)	200 (61)	200 (61)	1.8	15000 cP	15000 cP

### Viscosity Data

Viscosity (cP)	800	3,000	5,000	7,000	15,000
Max Flow gpm (lpm)	10 (38)	6 (23)	6 (23)	6 (23)	6 (23)
Max Head feet (meter)	80 (24)	80 (24)	125 (38)	175 (53)	200 (61)

Note: Maximum viscosity based on 60 Hz operation.



\*When pumping flammables or combustibles, use explosion proof electric or air drive motors on stainless steel tubes with static protection kit.

\*\*Performance will vary with changes in fluid viscosity and specific gravity. All testing done at 60 Hz. **Performance reduced at 50 Hz.**  
 BT Series is not recommended for pumping thin water-like fluids.

Need help choosing a pump?  
 Use the handy online Pump Selector at:  
[www.finishthompson.com](http://www.finishthompson.com).



# BT Series Motors

## MOTOR DATA



**TEFC**  
(M15, M16, M17, M27, M28, M29, M39, M40)  
**Ex-Proof TEFC**  
(M24X, M25X, M26X, M33X, M34X)

**Air**  
(M18, M19, M20)

Model	Description	Type	Certification	Electrical Requirements	Power	RPM	Max. Viscosity cP
					HP		

### TEFC (Totally Enclosed Fan Cooled), IP54 Motors

M15	Continuous duty, 12 ft. (3.5 m) cord.	Induction	*	230-460VAC/60 Hz	1	3,450	800
M16					2	1,725	7,000
M17					3	1,725	15,000
M27				115-230VAC/60 Hz	1	3,450	800
M28					2	1,725	7,000
M29					3	1,725	15,000
M39				220-380-440VAC/50-60 Hz	1	2,850	1,000
M40					2	1,425	8,500

### Explosion Proof Motors

M33X	Suitable for use in hazardous areas, ideal for flammable liquids. Continuous duty rated.	TEFC, Ex-proof	*	115-230VAC/60 Hz	1	3,450	800
M34X					2	1,725	7,000
M24X				230-460VAC/60 Hz	1	3,450	800
M25X				230-460VAC/50-60 Hz	2	1,450/1,725	7,000
M26X					3	1,450/1,725	15,000

### Air Motors<sup>†‡</sup>

M18	Lightweight. Operates from customer-supplied compressed air source. Variable speed. Muffler and control valve supplied.	Air	CE	100 psi @ 40-70 cfm	1	300-3,000	800
M19				100 psi @ 80-120 cfm	2	300-3,000	7,000
M20				100 psi @ 120-170 cfm	3	300-2,500	15,000

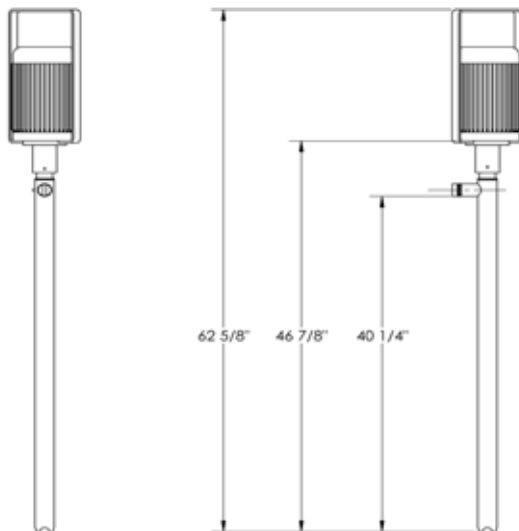
<sup>†</sup>An air motor is a non-electrical device meaning possibility of explosion from igniting flammables/combustibles is reduced. Air motor performance will depend upon user's system setup.

<sup>‡</sup>Motor suitable for hazardous areas that do not require independent certification.

\*Carries independent testing laboratory approval.

Motor adapters are also available to permit installation of customer supplied NEMA or IEC motors.

### Dimensions



NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

### Accessories

#### Drum Adapters



#### Static Protection Kit



#### Discharge Hoses

