



DRUM/BARREL PUMPS TB SERIES

Sealed, Lightweight Economy

Lightweight pumps suitable for low to medium viscosity mild corrosives, solvents, and chemicals. Fits smaller bung openings.

- Pure polypropylene/PVDF and 316SS tubes
- Interchangeable with motors
- Up to 200 cP



Applications:

Acids, bases, solvents[†], water treatment chemicals, bleach, swimming pool chemicals, cleaners

Use the handy online Pump Selector at www.finishthompson.com for help choosing a pump.



CONSTRUCTION SPECIFICATIONS

Pump Model	Construction Materials		Tube Dia. in (cm)	Discharge Size & Type	Hose Size in (cm)	Tube Lengths
	Outer Tube	Internals				
TBS	316 Stainless Steel	316 Stainless Steel, PTFE	1.5 (3.8)	1" Hose Barb	1 (2.54)	40" (102 cm)
TBP	Pure Polypropylene	Pure PVDF, Alloy 625, PTFE	1.66 (4.2)	1" Hose Barb w/ Variable Orifice		27" (69 cm) 40" (102 cm) 48" (122 cm)

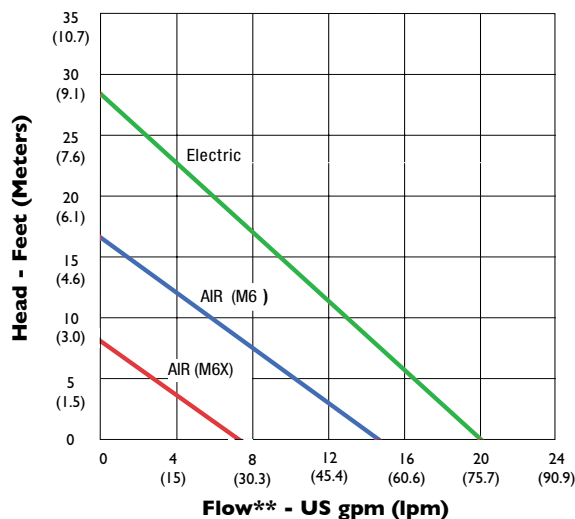
[†]When pumping flammables or combustibles, use explosion proof electric or air drive motors on stainless steel tubes with static protection kit.

PERFORMANCE DATA

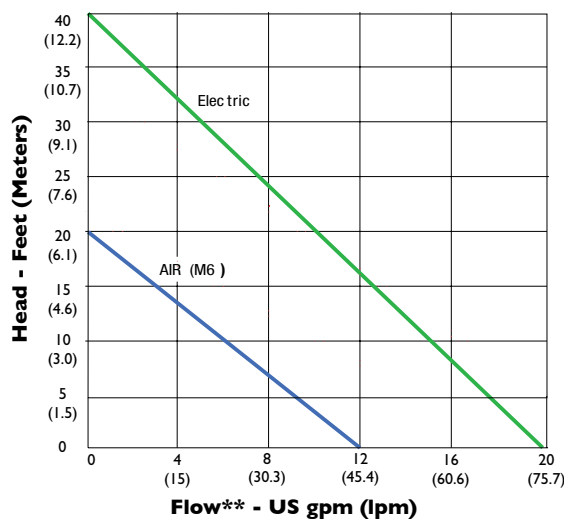
Pump Model	Maximum Flow*		Maximum Head*		Maximum Specific Gravity	Maximum Viscosity		Maximum Temp.		Minimum Temp.	
	Electric	Air	Electric	Air		Electric	Air	°F	°C	°F	°C
	gpm (lpm)	gpm (lpm)	ft (m)	ft (m)							
TBS	20 (75.7)	15 (56.8)	28 (8.53)	16 (4.9)	1.4	200 cP	200 cP	150	66	-20	-29
TBP	20 (75.7)	12.5 (47.3)	39.5 (12)	19 (5.8)				150	66	35	1.7

*All testing performed with water at 68°F (20°C). Actual performance can vary by +/- 10%. Actual performance will decrease with increased fluid viscosity and specific gravity.

TBS



TBP



DRUM/BARREL PUMPS

MOTOR DATA



ODP
(M3V, M5V, M5V-US, M3V-UK)



TEFC
(M3T, M5T, M3TV, M5TV)



Ex-Proof
(M3XV, M5XV)



Air
(M6, M6X)

Model	Description	Certification	Electrical Requirements	Input	Output	RPM	Maximum Viscosity cP
				W	W		

ODP (Open Drip Proof), Splashproof, IP24 Motors

M3V	Quick connects to pump without tools. Downdraft cooling system and double wall housing. Continuous duty, variable speed. 12 ft. (3.5 m) cord with integral circuit breaker.	CSA	115VAC/50-60 Hz	650	400	3,500-10,000	200
M5V		CE	230VAC/50-60 Hz	650	400	3,500-10,000	200
M5V-US*		CE	230VAC/50-60 Hz	650	400	3,500-10,000	200
M3V-UK		CE	115VAC/50-60 Hz	650	400	3,500-10,000	200

TEFC (Totally Enclosed Fan Cooled), IP55 Motors

M3T	Continuous duty. 12 ft. (3.5 m) cord with plug, downdraft cooling and quick connection to pump without tools. "T" versions feature manual reset. TV versions feature variable speed, solid state overload protection, zero voltage release.	CSA	115VAC/60 Hz	640	400	12,000	200
M3TV		CSA	115VAC/60 Hz	1000	680	0-12,000	200
M5T		CE	230VAC/50-60 Hz	640	400	12,000	200
M5TV		CE	230VAC/50-60 Hz	1000	680	0-12,000	200

Explosion Proof Motors

M3XV	Continuous duty, IP55. 12 ft. (3.5 m) cord without plug, downdraft cooling and quick connection to pump without tools. Variable speed, solid state overload protection, zero voltage release.	CSA	115VAC/60 Hz	1000	680	0-12,000	200
M5XV		CE	230VAC/50-60 Hz	1000	680	0-12,000	200

Air Motors**

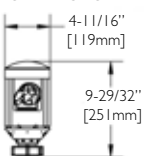
M6	Lightweight. Operates from customer-supplied compressed air source. Variable speed. Muffler and control valve.	CE	80-100 psi @ 15-32 cfm	-	400	300-9,000	200
M6X		CE	80-100 psi @ 15-32 cfm	-	600	300-6,000	200

*Suitable for 230V, 60 Hz. Includes a NEMA 6-15 plug.

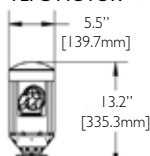
**An air motor is a non-electrical device meaning possibility of explosion from igniting flammables/combustibles is reduced. Air motor performance will depend upon user's system setup.

DIMENSIONS

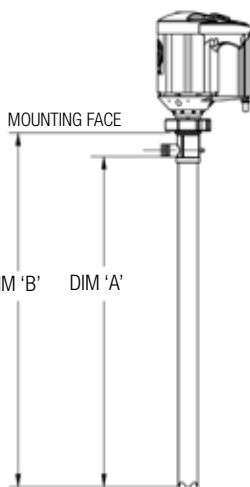
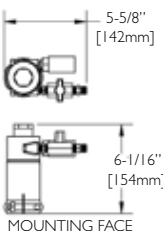
ODP MOTOR



TEFC MOTOR



M6 AIR MOTOR



MODEL	DIM A (in)	DIM B (in)	DIM A (mm)	DIM B (mm)
TBP-27	26-1/2	28-3/8	673.1	721
TBP-40	39-1/2	41-3/8	1003.3	1051
TBP-48	47-1/2	49-3/8	1206.5	1254
TBS-40	40	42	1016	736.0

ACCESSORIES

Nozzles



Static Protection Kit



Bung Adapter



Discharge Hose



finishthompson.com

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