

# TT Series Drum Pumps



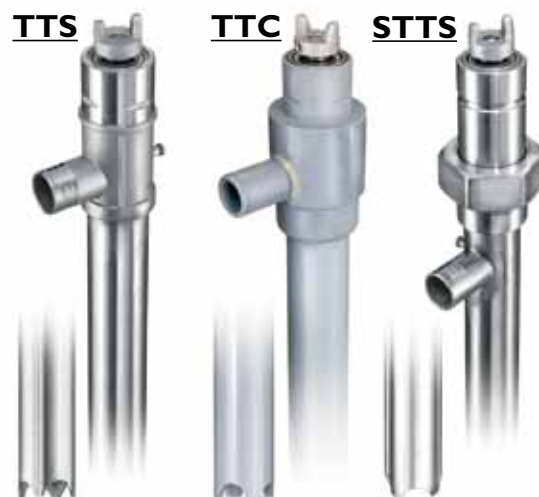
FINISH THOMPSON INC.

## Sealed, Medium Viscosity/Flow

Sealed pump with PTFE screw-type lifting compressors.  
Ideal for liquids containing small particulate or solvents.  
Model STTS is USDA sanitary construction.

**Features:** 316SS or CPVC tube material  
Tubes interchangeable with motors  
Up to 2000 cP with M6X air motor

**Applications:** Inks, paints, solvents\*, sodium hypochlorite,  
food products



### Tube Lengths

TTS/TTC: 27" (69cm), 40" (102cm), 48" (122cm) STTS: 40" (102 cm)

### Construction Specifications

| Pump Model | Construction Materials |                           | Tube Dia.<br>in (cm) | Discharge<br>Size & Type | Hose Size<br>in (cm) | Max.Temp. |    | Min.Temp. |     |
|------------|------------------------|---------------------------|----------------------|--------------------------|----------------------|-----------|----|-----------|-----|
|            | Outer Tube             | Internals                 |                      |                          |                      | °F        | °C | °F        | °C  |
| TTS        | 316 Stainless Steel    | 316 Stainless Steel, PTFE | 1-1/2 (3.8)          | 1" Hose Barb             | 1 (2.54)             | 150       | 66 | -20       | -29 |
| TTC        | CPVC                   | Alloy 625, PTFE           | 1-5/8 (4.1)          |                          |                      | 150       | 66 | 34        | 1.1 |
| STTS       | 316 Stainless Steel    | 316 Stainless Steel, PTFE | 1-1/2 (3.8)          |                          |                      | 150       | 66 | -10       | -23 |

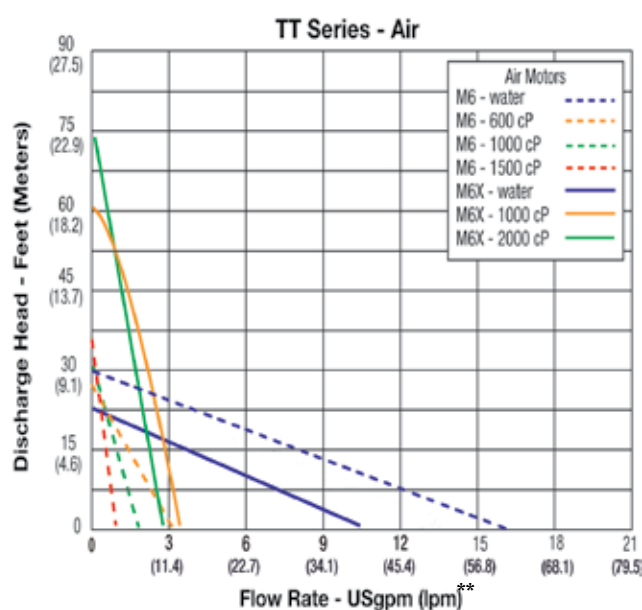
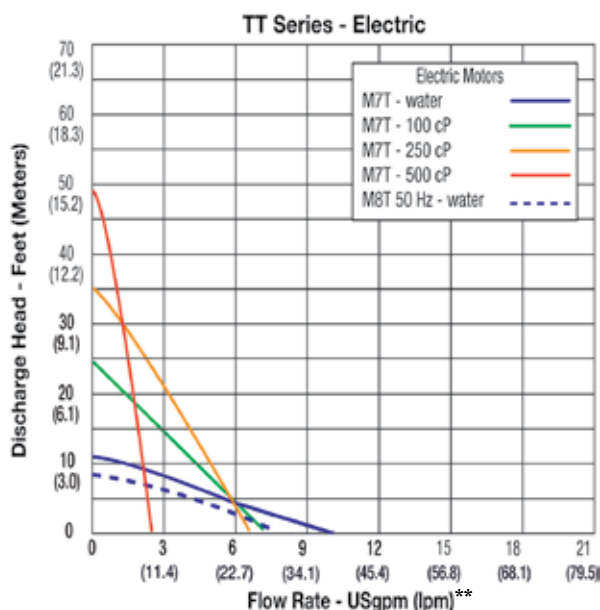
### Performance Data

| Maximum Flow**        |                  | Maximum Head**     |               | Maximum Specific Gravity | Maximum Viscosity |          |
|-----------------------|------------------|--------------------|---------------|--------------------------|-------------------|----------|
| Electric<br>gpm (lpm) | Air<br>gpm (lpm) | Electric<br>ft (m) | Air<br>ft (m) |                          | Electric          | Air      |
| 10 (38)               | 16 (61)          | 10 (3)             | 30 (9)        | 1.8                      | 500 cP            | 2,000 cP |

### Viscosity Data

| Viscosity (cP)        | 100    | 250     | 500     | 1,000   | 2,000  |
|-----------------------|--------|---------|---------|---------|--------|
| Max Flow gpm (lpm)    | 7 (26) | 6 (23)  | 3 (11)  | 4 (15)  | 3 (11) |
| Max Head feet (meter) | 25 (8) | 35 (11) | 48 (15) | 60 (18) | 28 (9) |

Note: M7T/M8T motor: 100-500 cP M6X: 500-2,000 cP



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

\*\*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.

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



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## MOTOR DATA



**TEFC**  
(M7T, M8T)



**Exp-Proof**  
(M7X)



**Air**  
(M6, M6X)

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

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

|     |                                                                                                    |     |                 |     |     |           |     |
|-----|----------------------------------------------------------------------------------------------------|-----|-----------------|-----|-----|-----------|-----|
| M7T | Continuous duty. 12 ft. (3.5 m) cord w/ NEMA 5-15 Type B plug and circuit breaker w/ manual reset. | CSA | 115VAC/50-60 Hz | 500 | 180 | 2850/3450 | 500 |
| M8T | Continuous duty. 12 ft. (3.5 m) cord.                                                              | CE  | 230VAC/50-60 Hz | 500 | 180 | 2850/3450 | 500 |

### Explosion Proof Motors

|     |                                                                                                                                               |     |                 |     |     |           |     |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------|-----|-----|-----------|-----|
| M7X | Suitable for use in hazardous areas, ideal for flammable liquids. TEFC housing. 12ft. (3.5m) cord, internal circuit breaker. Continuous duty. | CSA | 115VAC/50-60 Hz | 500 | 180 | 2850/3450 | 400 |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------|-----|-----|-----------|-----|

### Air Motors<sup>†‡</sup>

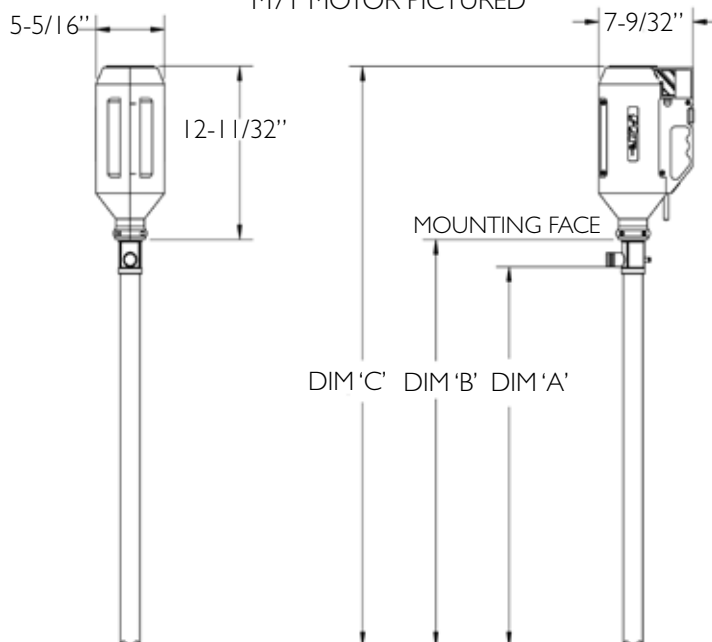
|     |                                                                                                                         |    |                        |   |     |           |      |
|-----|-------------------------------------------------------------------------------------------------------------------------|----|------------------------|---|-----|-----------|------|
| M6  | Lightweight. Operates from customer-supplied compressed air source. Variable speed. Muffler and control valve supplied. | CE | 80-100 psi @ 15-32 cfm | - | 400 | 300-9,000 | 1500 |
| M6X |                                                                                                                         | CE | 80-100 psi @ 15-32 cfm | - | 600 | 300-6,000 | 2000 |

<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.

## Dimensions

M7T MOTOR PICTURED



| MODEL      | DIM A (in) | DIM B (in) | DIM C (in) | DIM A (mm) | DIM B (mm) | DIM C (mm) |
|------------|------------|------------|------------|------------|------------|------------|
| TTS/TTC-27 | 27-1/16    | 29         | 41-3/8     | 686.9      | 736.0      | 1049.6     |
| TTS/TTC-40 | 40-1/16    | 42         | 44-3/8     | 1017.1     | 1066.2     | 1125.8     |
| TTS/TTC-48 | 48-1/16    | 50         | 62-3/8     | 1220.3     | 1269.4     | 1583.0     |
| STTS-40    | 40         | 44-1/5     | 56-7/8     | 1016.0     | 1130.3     | 1443.8     |

## Accessories

### Nozzles



### Static Protection Kit



### Drum Adapters



### Discharge Hoses



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