

# TTS-800

These rotors have Total-Top-Serviceability, powerful G-800 Series gear drives, and the largest flange compartment in the industry to accommodate all two-way module components.

## KEY BENEFITS

- Full-circle
- Dual-trajectory, colour-coded nozzles:
  - 10 standard trajectory (22.5°)
  - 9 low-angle trajectory (15°)
- Nozzle range: #15 to #53
- Exclusive PressurePort™ nozzle technology
- Stainless steel riser
- Water-lubricated gear drive
- Optional high-rotation-speed stator
- All TTS-800 VIH advanced features on **page 204**
- All TTS-800 DIH advanced features on **page 206**

## OPERATING SPECIFICATIONS

- Radius: 14.9 to 29.6 m
- Flow: 3.23 to 13.29 m³/hr; 53.8 to 221.4 l/min
- Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- All TTS rotors are pressure-rated at 10 bar; 1,000 kPa

## OPTIONS

- C - Check-O-Matic checks up to 8 m in elevation change and readily converts to normally open hydraulic with through-the-top connections
- D - Decoder valve-in-head with all “E” specifications below\*
- DD - Two-station decoder valve-in-head with all “E” specifications below\*
- E - Electric valve-in-head with adjustable pressure regulation, on-off-auto selector, 210 mA (370 mA inrush) 50 Hz; 190 mA (350 mA inrush) 60 Hz solenoid with captive plunger and internal downstream bleed

\* All DIH rotors include two 3M DBRY-6 splices for connection to the two-wire path. See **page 196** for critical recommendations on grounding DIH rotors.



### TTS-800

Pop-up height: 9.5 cm  
 Overall height: 30 cm  
 Flange diameter: 18 cm  
 Female inlet: 1½" (40 mm) Acme

## TTS-880 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
GT-880 = Full-circle	<p><b>C</b> = Check-O-Matic*</p> <p><b>D</b> = Decoder valve-in-head</p> <p><b>DD</b> = Two-station decoder valve-in-head</p> <p><b>E</b> = Electric valve-in-head</p> <p>*Converts to N.O. hydraulic valve-in-head</p>	<p><b>15 to 53</b> = Installed G-880 nozzle*</p> <p>*SSU = #18, #23, #25, or #48</p>	<p><b>P5</b> = 50 PSI; 3.4 bar; 340 kPa (nozzles 15 to 18)</p> <p><b>P6</b> = 65 PSI; 4.5 bar; 450 kPa (nozzles 18 to 25)</p> <p><b>P8</b> = 80 PSI; 5.5 bar; 550 kPa (nozzles 25 to 53)</p> <p>*SSU = P5/#18, P6/#23, P8/#25, P8/#48</p>	<p><b>S</b> = SSU*</p> <p>*Standard stocking unit</p>

### Example:

GT-880-E-48-P8-S = GT-880 full-circle electric valve-in-head, installed #48 nozzle, 80 PSI; 5.5 bar; 550 kPa regulation, standard stocking unit model

TTS-880 NOZZLE PERFORMANCE DATA*										
Nozzle Set			Pressure		Radius		Flow		Precip mm/hr	
			bar	kPa	m	m <sup>3</sup> /hr	l/min	■	▲	
●	○	●	3.4	344	14.9	3.23	53.8	14.5	16.7	
Tan	15	Grey	4.1	413	15.5	3.57	59.4	14.8	17.0	
803611		White	4.5	450	15.9	3.73	62.1	14.8	17.1	
●		●	4.8	482	16.2	3.86	64.4	14.8	17.1	
803611		315317	5.5	551	16.8	4.13	68.9	14.7	17.0	
●	○	●	3.4	344	17.1	3.91	65.1	13.4	15.5	
Tan	18	Grey	4.1	413	17.7	4.28	71.3	13.7	15.8	
803611		Orange	4.5	450	18.0	4.48	74.6	13.8	16.0	
●		●	4.8	482	18.3	4.54	75.7	13.6	15.7	
803611		315317	5.5	551	18.6	4.82	80.3	13.9	16.1	
●	○	●	3.4	344	17.4	4.18	69.7	13.8	16.0	
Tan	20	Grey	4.1	413	18.0	4.61	76.8	14.3	16.5	
803611		Brown	4.5	450	18.6	4.86	81.0	14.1	16.2	
●		●	4.8	482	19.2	4.91	81.8	13.3	15.4	
803611		315317	5.5	551	19.5	5.16	85.9	13.5	15.6	
●	○	●	3.4	344	19.2	4.91	81.8	13.3	15.4	
Tan	23	Lt. Blue	4.1	413	19.8	5.22	87.1	13.3	15.4	
803611		Green	4.5	450	20.1	5.45	90.8	13.5	15.6	
●		●	4.8	482	20.4	5.66	94.3	13.6	15.7	
803611		315311	5.5	551	20.7	6.04	100.7	14.1	16.2	
●	○	●	4.5	450	21.6	6.50	108.3	13.9	16.0	
Tan	25	Lt. Blue	4.8	482	22.3	6.75	112.5	13.6	15.7	
803611		Blue	5.5	551	22.6	7.19	119.8	14.1	16.3	
●		●	6.2	620	22.9	7.65	127.5	14.6	16.9	
803611		315311	6.9	689	23.5	8.12	135.3	14.7	17.0	
●	○	●	4.5	450	22.6	7.02	117.0	13.8	15.9	
Tan	33	Lt. Blue	4.8	482	22.9	7.27	121.1	13.9	16.1	
803611		Grey	5.5	551	23.5	7.77	129.5	14.1	16.3	
●		●	6.2	620	24.1	8.22	137.0	14.2	16.4	
803611		315311	6.9	689	24.7	8.68	144.6	14.2	16.4	
●	○	●	4.5	450	23.5	7.97	132.9	14.5	16.7	
Tan	38	Lt. Blue	4.8	482	24.1	8.31	138.5	14.3	16.6	
803611		Red	5.5	551	25.0	8.84	147.3	14.1	16.3	
●		●	6.2	620	25.6	9.38	156.3	14.3	16.5	
803611		315311	6.9	689	26.5	9.90	165.0	14.1	16.3	
●	○	●	-	-	-	-	-	-	-	
Tan	43	Blue	4.8	482	25.3	9.38	156.3	14.7	16.9	
803611		Dk. Brown	5.5	551	25.9	9.90	165.0	14.8	17.0	
●		●	6.2	620	26.5	10.52	175.3	15.0	17.3	
803611		315300	6.9	689	27.1	11.09	184.7	15.1	17.4	
●	○	●	-	-	-	-	-	-	-	
Dk. Brown	48	Dk. Blue	4.8	482	27.4	10.65	177.5	14.2	16.3	
803610		Dk. Green	5.5	551	28.0	11.11	185.1	14.1	16.3	
●		●	6.2	620	28.7	11.46	191.0	14.0	16.1	
803610		833500	6.9	689	29.3	12.15	202.5	14.2	16.4	
●	○	●	-	-	-	-	-	-	-	
Dk. Brown	53	Dk. Blue	4.8	482	27.7	11.31	188.5	14.7	17.0	
803610		Dk. Blue	5.5	551	28.3	11.86	197.7	14.8	17.0	
●		●	6.2	620	29.0	12.61	210.1	15.0	17.4	
803610		833500	6.9	689	29.6	13.29	221.4	15.2	17.6	

\* Preliminary performance data. Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral. To calculate precipitation rates for 180° operation, multiply by 2.

TTS-880 STANDARD NOZZLES      TTS-880 LOW-ANGLE NOZZLES\*\*



\*\* Low-angle nozzles reduce the radius by 15%.



Easy-Access Servicing

An extra-thick compartment lid is retained with a ¼-turn, stainless steel, single-point fastener.



Spacious Flange Compartment

The largest and deepest compartment in the industry offers plenty of room for full-sized DBRY-6 splice connectors.