

# G-880

These rotors feature convenient no-dig Total-Top-Serviceability and powerful, high-torque gear drive.

## 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

## 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.



### G-880C

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



### G-880E

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

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

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
G-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:

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

G-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
803611		315317	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
803611		315317	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
803611		315317	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
803611		315311	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
803611		315311	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
803611		315311	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
803611		315311	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
803611		315300	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
803610		833500	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
803610		833500	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.

#### G-880 STANDARD NOZZLES

#### G-880 LOW-ANGLE NOZZLES\*\*



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



#### TTS Means Convenience and Versatility

With TTS, every serviceable component of the rotor can be easily accessed anytime with no servicing mess.