

SPECIFICATIONS

GENERAL MACHINE DIMENSIONS/CAPACITIES

Item	Dimension/capacity
Length	2410 mm (95 in)
Height	1470 mm (58 in)
Height (with overhead guard)	2120 mm (83.5 in)
Width/frame (roller to roller)	1270 mm (50 in)
Width (rear squeegee)	1300 mm (51 in)
Width (with side brush)	1470 mm (58 in)
Cleaning path width (main brush length)–Cylindrical Brush	1020 mm (40 in)
Cleaning path width (with scrubbing side brush)–Cylindrical Brush	1370 mm (54 in)
Cleaning path width (with sweeping side brush)–Cylindrical Brush	1420 mm (56 in)
Main brush diameter (2)–Cylindrical Brush	300 mm (12 in)
Cleaning path width (main brush length)–Disk Brush	1070 mm (42 in)
Main brush diameter (3)–Disk Brush	360 mm (14 in)
Side brush diameter–scrubbing	410 mm (16 in)
Side brush diameter–sweeping (cylindrical only)	530 mm (21 in)
Solution tank capacity	303 L (80 gallons)
Recovery tank capacity	360 L (95 gallons)
Debris tray volume capacity	31 L (1.1 ft ³)
Debris tray weight capacity	50 kg (110 lbs)
Weight – empty	1497 Kg (3300 lbs)
GVWR	2223 Kg (4900 lbs)
Transport ground clearance	80 mm (3 in)
Protection Grade	IPX3

Values determined as per IEC 60335–2–72	Measure
Sound pressure level L _{pA}	84 dB(A)
Sound uncertainty K _{pA}	3.0 dB(A)
Sound power level L _{WA} + Uncertainty K _{WA}	106 dB(A)
Vibration – Hand–arm	< 2.5 m/s ²
Vibration – Whole body	< 0.5 m/s ²

GENERAL MACHINE PERFORMANCE

Item	Measure
Minimum aisle turn	2790 mm (110 in)
Travel speed forward (maximum)	12.9 Km/h (8 mph)
Travel speed reverse (maximum)	4.8 Km/h (3 mph)
Maximum ramp incline for loading – Empty tanks	18%
Maximum ramp incline for scrubbing	10%
Maximum ramp incline for transporting (GVWR)	14%
Maximum ambient temperature for machine operation	43° C (110° F)
Minimum temperature for operating machine scrubbing functions	0° C (32° F)

HYDRAULIC SYSTEM

System	Capacity	ISO Grade Viscosity Index	Ambient Air Temperature Ranges
Hydraulic reservoir	38 L (10 gal)	ISO 100 VI 126 or higher	19° C (65° F) or higher
Hydraulic total	45 L (12 gal)	ISO 68 VI 155 or higher	7 to 43° C (45 to 110° F)
		ISO 32 VI 163 or higher	16° C (60° F) or lower

SPECIFICATIONS

POWER TYPE

Engine	Type	Ignition	Cycle	Aspiration	Cylinders	Bore	Stroke
GM 1.6 (S/N 000000 – 004999)	Piston	Distributorless-type spark	4	Natural	4	79 mm (3.11 in)	81.5 mm (3.21 in)
	Displacement		Tennant machine governed net power			Engine mfg un-governed net power	
	1600 cc (98 cu in)		23.2 kw (32 hp) @ 2400 rpm			39.5 kw (53 hp) @ 4000 rpm	
	Fuel		Cooling system			Electrical system	
	Gasoline, 87 octane minimum, unleaded Fuel tank: 42 L (11.2 gal)		Water/ethylene glycol antifreeze			12 V nominal	
	LPG, Fuel tank: 15 kg (33 lb)		Total: 7.5 L (2 gal) Radiator: 3.8 L (1 gal)			75 A alternator	
	Idle speed, no load		(Fast) governed speed, under load			Firing order	
	950 ± 50 rpm (machines serial number 001999 and below) 1350 ± 50 rpm (machines serial number 002000 and above)		2400 ± 50 rpm			1-3-4-2	
	Spark plug gap		Valve clearance, cold			Engine lubricating oil with filter	
	1 mm (0.035 in)		No Adjustment OHC Engine			3.5 L (3.7 qt) 5W30 SAE-SG/SH	

Engine	Type	Ignition	Cycle	Aspiration	Cylinders	Bore	Stroke
Mitsubishi 2.0 (S/N 005000 –)	Piston	Coil @ Plug	4	Natural	4	85 mm (3.35 in)	88 mm (3.46 in)
	Displacement		Tennant machine governed net power			Engine mfg un-governed net power	
	1997 cc (122 cu in)		37.3 kw (50 hp) @ 2300 rpm			44.7 kw (60 hp) @ 3000 rpm	
	Fuel		Cooling system			Electrical system	
	Gasoline, 87 octane minimum, unleaded Fuel tank: 42 L (11.2 gal)		Water/ethylene glycol antifreeze			12 V nominal	
	LPG, Fuel tank: 15 kg (33 lb)		Total: 7.5 L (2 gal) Radiator: 3.8 L (1 gal)			75 A alternator	
	Idle speed, no load		(Fast) governed speed, under load			Firing order	
	1350 ± 50 rpm		2300 ± 50 rpm			1-3-4-2	
	Spark plug gap		Valve clearance, cold			Engine lubricating oil with filter	
	1.1 mm (0.035 in)		No Adjustment OHC Engine			4.7 L (5 qt) 5W30 SAE-SG/SH	

BRAKING SYSTEM

Type	Operation
Service brakes	Mechanical drum brakes (2), one per rear wheel, cable actuated
Parking brake	Utilize service brakes, cable actuated

TIRES

Location	Type	Size
Front (1)	Solid	140 mm x 460 mm (5.5 in x 18 in)
Rear (2)	Solid	90 mm x 410 mm (3.5 in x 16 in)

STEERING

Type	Power source
Front wheel, hydraulic cylinder and rotary valve controlled	Hydraulic accessory pump

SPECIFICATIONS

FaST SYSTEM

Item	Measure
Solution pump (S/N 001743–)	12 Volt DC, 11A, 0.7 GPM & 1.4 GPM flow, (2 speeds), 75 psi high–pressure shutdown
Solution pump (S/N 000000–001742)	12 Volt DC, 11A, 11.6 LPM (3.0 GPM) open flow, 45 psi bypass setting
Low solution flow rate	2.7 LPM (0.7 GPM)
High solution flow rate	5.4 LPM (1.4 GPM)
Low concentrate flow rate	2.6 CC/Minute (0.085 Liquid Ounces/Minute)
High concentrate flow rate	5.2 CC/Minute (0.17 Liquid Ounces/Minute)
Detergent pump (S/N 000000–001742)	12 Volt DC
Air pump (S/N 000000–001742)	12 Volt DC, 0.6 Maximum Amp draw
Air pump flow rate (S/N 000000–001742)	8.7 LPM (0.3 CFM) open flow

ec–H2O SYSTEM

Item	Measure
Solution pump	12 Volt DC, 11A, 0.7 GPM & 1.4 GPM flow, (2 speeds), 75 psi high–pressure shutdown
Solution flow rate	2.65 LPM (0.7 GPM) – Low
	5.30 LPM (1.4 GPM) – High

MACHINE DIMENSIONS

