# 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) |
| Wheel base | 1280 mm (50.38 in) |
| Track | 1270 mm (50 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 |

## POWER TYPE

| Engine | Type | Ignition | Cycle | Aspiration | Cylinders | Bore | Stroke |
|---|---|---|---|---|---|---|---|
| Kubota V1505-B | Piston | Diesel | 4 | Natural | 4 | 78 mm (3.07 in) | 78.4 mm (3.09 in) |

| Displacement | Tennant governed power | Gross intermittent power per J1995 |
|---|---|---|
| 1500 cc (91.4 cu in) | 18.5 kw (24.8 hp) @ 2300 rpm | 18.5 kw (24.8 hp) @ 2300 rpm |

| Fuel | Cooling system | Electrical system |
|---|---|---|
| Diesel<br>Fuel tank: 42 L (11.2 gal)<br>low sulfur fuel content less than 500 ppm only | Water/ethylene glycol antifreeze | 12 V nominal |
| | Total: 7.5 L (2 gal) | 37 A alternator |
| | Radiator: 3.8 L (1 gal) | |

| Idle speed, no load | (Fast) governed speed, under load | Engine lubricating oil without filter |
|---|---|---|
| 950 ± 50 rpm | 2400 ± 50 rpm | 6 L (6.35 qt)<br>API diesel classification Cf or better |

## 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 | 12 Volt DC, 11A, 0.7 GPM & 1.4 GPM flow, (2 spees), 75 psi high–pressure shutdown |
| 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) |

***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