

SWEEPER MODEL 5000 TIER3 TECHNICAL DATA



| DIMENSIONS | | | |
|--|--------------------|-----------|----------------------------|
| Length | In | 204,4 | (5190mm) |
| Length with third brush | In | 233,1 | (5920mm) |
| Width | In | 92,6 | (2350mm) |
| Height | In | 113 | (2870,mm) |
| Height with beacon | In | 113 | (2870,mm) |
| Net weight | lbs | 16754,9 | (7600Kg) |
| Net weight (with third brush) | lbs | 17195,9 | (7800Kg) |
| Payload | lbs | 11684,4 | (5300Kg) |
| Gross vehicle weight | lbs | 28439,3 | (12900Kg) |
| PERFORMANCE | | | |
| Cleaning performance | ft ² /h | 1129800 | (105000 m ² /h) |
| SWEEPING WIDTH | | | |
| Sweeping width with main broom | In | 51,2 | (1300mm) |
| Sweeping width with Rh side brush | In | 76,8 | (1950mm) |
| Sweeping width with Rh + Lh side brushes | In | 102,4 | (2600mm) |
| Sweeping width with 3rd front brush Rh or Lh | In | 126 | (3200mm) |
| Sweeping width with 3rd front brush Rh and Lh (180°) | In | 137,8 | (3500mm) |
| Max speed | Mph | 20 | |
| Max reverse speed | Mph | 9,4 | |
| Working speed | Mph | 0 - 18,7 | |
| Gradeability | % | 18 | |
| Steering diameter CUNA rules | ft | 31 | (9440mm) |
| Steering diameter Kerb to Kerb | ft | 31,6 | (9630mm) |
| Steering radius Wall to Wall (with third brush) | ft | 18,2 | (5525mm) |
| CHASSIS | | | |
| Material | | S355 | |
| Thickness | In | 0,2 - 0,4 | (5 - 8 mm) |

| MAIN BROOM | | |
|---------------------------------|--------------------|--------------------------------|
| Lenght | In | 50,4 (1280mm) |
| Diameter | In | 25,6 (650mm) |
| Material (standard) | | PPL |
| Rotation speed | rpm | 150 |
| Transmission | | HYDRAULICS |
| Motor | | HYDRAULICS |
| SIDE BRUSHES | | |
| Diameter | In | 41,8 (1060mm) |
| Material (standard) | | PPL / STEEL |
| Rotation speed | rpm | 0 - 70 |
| Transmission | | HYDRAULICS |
| Motor | | HYDRAULICS |
| THIRD FRONT BRUSH (Opt.) | | |
| Diameter | In | 50,4 (1280mm) |
| Material (standard) | | PPL / STEEL |
| Rotation speed | rpm | 0 - 60 |
| Transmission | | HYDRAULICS |
| Motor | | HYDRAULICS |
| SUCTION SYSTEM | | |
| Type of suction fan | | BLADES |
| Fan diameter | In | 2 x 13,8 (2x350mm) |
| Depression | mmH ² O | 850 |
| Air flow | yd ³ /h | 6538,6 (5000m ³ /h) |
| Trasmission | | HYDRAULICS |
| SUCTION HOSE (Opt.) | | |
| Length of suction hose | In | 177,2 (4500mm) |
| Suction hose diameter | In | 6 (150mm) |
| Depression | mmH ² O | 850 |
| Air flow | yd ³ /h | 6538,6 (5000m ³ /h) |
| DUST FILTER | | |
| Type of filter | | BAG FILTER |
| Bags | n° | 19 |
| Filtering capacity | micron | 3 |
| Filter surface | ft ² | 236,8 (22m ²) |
| Filter material | | PE/PE 401 - GORE (Opt) |
| PM10 Filtration | % | 99 |
| FILTER SHAKER | | |
| Filter cleaning system | | HYDRAULICS |

| WASTE CONTAINER | | | |
|----------------------------|-----------------|-------------------------|----------------------|
| Container volume | yd ³ | 6,5 | (5m ³) |
| Net volume | yd ³ | 5,1 | (3,9m ³) |
| Hopper emptying system | | HYDRAULICS | |
| Dumping height | In | 45,3 | (1150mm) |
| Dumping height (Opt.) | In | 90,6 | (2300mm) |
| Material | | AISI 304 | |
| WASTE CONVEYOR | | | |
| Width loading inlet | In | 53,2 | (1350mm) |
| Height loading inlet | In | 13,8 | (350mm) |
| Rubber blade | N° | 11 | |
| Transmission | | HYDRAULICS | |
| Motor | | HYDRAULICS | |
| WATER TANK (Opt.) | | | |
| Water tank capacity | gal | 132,1 | (500l) |
| Material | | AISI 304 | |
| WATER SYSTEM (Opt.) | | | |
| Type | | ELECTRIC | |
| Flow | gal/m | 3,5 | (13 l/m) |
| Pressure | Psi | 36,3 - 50,8 | (2,5 - 3,5Bar) |
| Nozzles | | 2 + 2 + 4 (THIRD BRUSH) | |
| Adjustment | | VARIABLE IN CAB | |
| ENGINE | | | |
| Brand / type | | CUMMINS QSB4,5 | |
| Type approval | | TIER III | |
| Displacement | in ³ | 272,2 | (4460cc) |
| Cylinders | n° | 4 | |
| Max power | HP | 151,5 | (113kW) |
| Working speed | rpm | 1600 - 2000 | |
| Cooling system | | WATER | |
| Fuel | | DIESEL | |
| Autonomy / Consumption | gal/h | 3 | (11l) |
| Fuel tank capacity | gal | 37 | (140l) |
| Max battery capacity | V/Ah | 24 / 135 | |
| Battery Nr. | n° | 2 | |
| Alternator | V/A | 28 / 90 | |

| TRACTION | | |
|------------------------------------|--------------------|---------------------|
| Transmission | | HYDRAULICS |
| Traction pump displacement | cm ³ | 71 |
| Traction motor displacement | cm ³ | 107 |
| WHEELS | | |
| Front tire dimensions | | 285/70 R19,5 150J |
| Rear tire dimensions | | 285/70 R19,5 150J |
| BRAKES | | |
| Type | | DISC |
| Service brake | | HYDRAULICS |
| Parking brake | | MECHANICAL |
| STEERING | | |
| Type | | HYDRAULICS |
| Steering | | FRONT AND REAR |
| HYDRAULIC SYSTEM | | |
| Tank capacity | gal | 35,2 (133l) |
| SOUND EMISSIONS | | |
| Sound pressure level (LpA) | dB | 72,8 |
| Sound power level (LwA) | dB | 104 |
| AIR CONDITIONING SYSTEM | | |
| Cooling power | KW | 6,2 |
| Heating power | KW | 8,5 |
| Air flow | yd ³ /h | 850,1 |
| GREASING SYSTEM (Opt.) | | |
| Type | | MANUAL OR AUTOMATIC |
| Greasing points | N° | 30 |
| HIGH PRESSURE SYSTEM (Opt.) | | |
| Type | | HYDRAULICS |
| Flow | gal/min | 4 (15 l/min) |
| Pression | Bar | 13,8 (200 Bar) |