

SWEEPER MODEL 3000 TIER3 TECHNICAL DATA



DIMENSIONS			
Length	In	165,4	(4200mm)
Length with third brush	In	196,9	(5000mm)
Width	In	80,4	(2040mm)
Height	In	97,3	(2470mm)
Height with beacon	In	105,2	(2670mm)
Net weight	lbs	10108,1	(4585Kg)
Net weight (with third brush)	lbs	10582,1	(4800Kg)
Payload	lbs	4850,1	(2200Kg)
Gross vehicle weight	lbs	15432,2	(7000Kg)
PERFORMANCE			
Cleaning performance	ft ² /h	936120	(87000 m ² /h)
SWEEPING WIDTH			
Sweeping width with main broom	In	51,2	(1300mm)
Sweeping width with Rh side brush	In	67	(1700mm)
Sweeping width with Rh + Lh side brushes	In	82,7	(2100mm)
Sweeping width with 3rd front brush Rh or Lh	In	102,4	(2600mm)
Sweeping width with 3rd front brush Rh and Lh (180°)	In	108,3 - 114,2	(2750-2900mm)
Max speed	Mph	20	
Working speed	Mph	0 - 18,7	
Gradeability	%	18	
Steering diameter CUNA rules	ft	27,1	(8250mm)
Steering diameter Kerb to Kerb	ft	27,1	(8250mm)
Steering radius Wall to Wall (with third brush)	ft	15,5	(4700mm)
CHASSIS			
Material		S355	
Thickness	In	0,2	(5mm)

MAIN BROOM		
Lenght	In	50,4 (1280mm)
Diameter	In	20,5 (520mm)
Material (standard)		PPL / Moplen
Rotation speed	rpm	175
Transmission		Hydraulics
Motor		Hydraulic
SIDE BRUSHES		
Diameter	In	34,5 (875mm)
Material (standard)		PPL / Steel
Rotation speed	rpm	40 - 80
Transmission		Hydraulics
Motor		Hydraulic
THIRD FRONT BRUSH (Opt.)		
Diameter	In	34,5 (875mm)
Material (standard)		PPL / Steel
Rotation speed	rpm	40 - 80
Transmission		Hydraulics
Motor		Hydraulic
SUCTION SYSTEM		
Type of suction fan		Blades
Fan diameter	In	19,4 (492mm)
Depression	mmH ² O	240
Air flow	yd ³ /h	3916,7 (2995m 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	800
Air flow	yd ³ /h	5828,5 (4457m ³ /h)
DUST FILTER		
Type of filter		Bag filter
Bags	n°	22
Filtering capacity	micron	3 o 1 (Gore)
Filter surface	ft ²	204,5 (19m ²)
Filter material		PE/PE401 - Gore
PM10 Filtration	%	99

FILTER SHAKER		
Filter cleaning system		Hydraulic
WASTE CONTAINER		
Container volume	yd ³	4,4 (3,3m ³)
Net volume	yd ³	3,1 (2,37m ³)
Hopper emptying system		Hydraulic
Dumping height	In	61,9 / 68,2 (1570/1730mm)
Material		AISI 304
WASTE CONVEYOR		
Width loading inlet	In	50 (1270mm)
Height loading inlet	In	8,7 (220mm)
Rubber blade	N°	9
Transmission		Hydraulics
Motor		Hydraulic
WATER TANK (Opt.)		
Water tank capacity	gal	105,7 (400l)
Material		Stainless steel
WATER SYSTEM (Opt.)		
Type		Electric
Flow	gal/m	1,8 (6,8 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		VM Motori D754 TE3 (83/C3)
Type approval		TIER III
Displacement	in ³	181,3 (2970cc)
Cylinders	n°	4
Max power	HP	80,2 (59,8kW)
Working speed	rpm	1800
Cooling system		Water
Fuel		Diesel
Autonomy / Consumption	gal/h	2,7 (10l/h)
Fuel tank capacity	gal	21,7 (82l)
Max battery capacity	V/Ah	12 / 180
Battery Nr.	n°	1
Alternator	V/A	14 / 105
EMISSIONS		
CO	g/kWh	1,61
HC	g/kWh	4,56
Nox	g/kWh	4,26
Particulate	g/kWh	0,36
Co2	g/kWh	924,547

TRACTION		
Transmission		Hydrostatics
Traction pump displacement	cm ³	40
Traction motor displacement	cm ³	55
WHEELS		
Front tire dimensions		7.00-12-Pr 16 / 7.00 R12
Rear tire dimensions		7.00-12-Pr 16 / 7.00 R12
BRAKES		
Type		Drum
Service brake		Hydraulic
Parking brake		Hydraulic
STEERING		
Type		Hydraulics
Steering		Front
HYDRAULIC SYSTEM		
Tank capacity	gal	21,7 (82l)
SOUND EMISSIONS		
Sound pressure level (LpA)	dB	71
Sound power level (LwA)	dB	101
AIR CONDITIONING SYSTEM		
Cooling power	KW	6,2
Heating power	KW	8,5
Air flow	yd ³ /h	850,1 (650m ³ /h)
GREASING SYSTEM (Opt.)		
Type		Manual or Automatic
Greasing points	N°	20
HIGH PRESSURE SYSTEM (Opt.)		
Type		Hydraulics
Flow	gal/min	4 (15 l/min)
Pression	Psi	2900 (200 Bar)