

INDUSTRIAL AND STREET CLEANING EQUIPMENT



SWEEPER MODEL 6000 TIER3 HD TECHNICAL DATA



DIMENSIONS			
Length	In	204,4	(5190mm)
Length with third brush	In	233,1	(5920mm)
Width	In	92,6	(2350mm)
Height	In	117,8	(2990mm)
Height with beacon	In	117,8	(2990mm)
Net weight	lbs	18981,6	(8610Kg)
Net weight (with third brush)	lbs	19532,7	(8860Kg)
Payload	lbs	4960,4	(2250Kg)
Gross vehicle weight	lbs	24493	(11110Kg)
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	30,6	(9300mm)
Steering diameter Kerb to Kerb	ft	31,6	(9630mm)
Steering radius Wall to Wall (with third brush)	ft	18,7	(5700mm)
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	965	
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	965	
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	7,2	(5,5m ³)
Net volume (EN15429-1)	yd ³	5,2	(4m ³)
Hopper emptying system		HYDRAULICS	
Dumping height	In	45,3	(1150mm)
Dumping height (Opt.)	In	118,2	(3000mm)
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	129,5	(490l)
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	152	(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	70,3
Sound power level (LwA)	dB	99,9
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	2900 (200 Bar)