

SWEeper MODEL 850 TECHNICAL DATA



DIMENSIONS		
Length	In	133,9 (3400 mm)
Width	In	42,6 (1080 mm)
Height	In	81,5 (2070 mm)
Empty weight	lbs	4078,5 (1850 Kg)
Payload	lbs	771,7 (350 Kg)
Maximum total weight	lbs	4850,1 (2200 Kg)
PERFORMANCE		
Cleaning performance	ft ² /h	236720 (22000 m ² /h)
SWEEPING WIDTH		
Variable sweeping width	In	59,1 ÷ 72,1 (1500 ÷ 1850mm)
Maximum speed	Mph	20
Maximum reverse speed	Mph	16,2
Gradeability	%	25
Steering diameter Cuna Rules	ft	20,7 (6300 mm)
Steering diameter Kerb to Kerb	ft	11,2 (3400 mm)
Steering radius - Wall to Wall	ft	11,9 (3600 mm)
CHASSIS		
Material		Fe510
Thickness	In	0,2 (4 mm)
BRUSHES		
Diameter side brushes	In	28,8 (730 mm)
Rotation speed	rpm	0-80

SUCTION SYSTEM		
Type of suction fan		blades
Fan diameter	n°/In	1 X 20,5 (1x520 mm)
Depression	mmH ² O	430
Air flow	yd ³ /h	2615,5 (2000 m ³ /h)
Transmission		hydraulic
Length of suction hose	In	135,9 (3450 mm)
Diameter of suction hose	In	4 (100 mm)
SUCTION MOUTH		
Hose diameter	In	6 (150 mm)
Mouth width	In	18,9 (480 mm)
Hose length	In	32,7 (830 mm)
Control of the mouth suction		hydraulic
Control of the flap		Mechanical
WASTE CONTAINER		
Container volume	yd ³	1,1 (811 l)
Capacity	yd ³	1 (740 l)
Hopper discharge		hydraulic
Hydraulic dumping up	In	56 (1420 mm)
Material		Stainless Steel
WATER TANK		
Water tank capacity	gal	52,9 (200 l)
Material		polyethylene
Capacity of the recycling system	gal	22,5 (85 l)
ENGINE		
Type		KUBOTA
Approval		TIER III
Displacement	in ³	91,5 (1498 cc)
Cylinder	n°	4
Maximum power	HP	33,5 @ 3000 rpm
Cooling		water
Fuel consumption	gal/h	0,9 (3,1 l/h)
Fuel tank capacity	gal	12,5 (47 l)
Battery	V/Ah	12 – 80
Fuel		Diesel
EMISSIONS		
CO	g/kWh	1,14
Nox + HC	g/kWh	5,065
Particulates	g/kWh	0,311
TRACTION		
Transmission		hydraulic
Traction		hydraulic
WHEELS		
Front		175/65 R14 C
Rear		175/65 R14 C

BRAKE		
Type		Drum
Service brake		hydraulic
Parking brake		Mechanic
STEERING		
Type		Hydraulic power steering with central articulated joint
HYDRAULIC SYSTEM		
Tank capacity	gal	12,2 (46 l)
SOUND EMISSIONS		
Sound pressure level (LpA)	dB	72,5
Sound power level (LwA)	dB	98,4