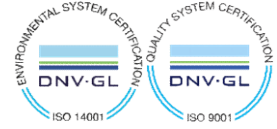




DULEVO
FAYAT GROUP



TECHNICAL DATA SHEET

D6 Tier4 Hd



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	1162080	(108000 m ² /h)
SWEEPING WIDTH			
Sweeping width with main broom	In	51.2	(1300mm)
Sweeping width with Rh side brush	In	80.8	(2050mm)
Sweeping width with Rh + Lh side brushes	In	110.3	(2800mm)
Sweeping width with 3rd front brush Rh or Lh	In	130	(3300mm)
Sweeping width with 3rd front brush Rh and Lh (180°)	In	141.8	(3600mm)
Max speed	Mph	20	
Max reverse speed	Mph	9.4	
Working speed	Mph	0 - 18.7	
Gradeability	%	~20	
Steering diameter CUNA rules	ft	30.6	(9300mm)
Dsa - Steering diameter Curb to Curb	ft	31.8	(9675mm)
Dwa - Steering diameter Wall to Wall	ft	35.2	(10725mm)
Dka1 - Steering diameter Wall to Wall (With third brush)	ft	36.6	(11135 mm)
CHASSIS			
Material		S355	
Thickness	In	0.2 - 0.4	(5 - 8 mm)

MAIN BROOM		
Length	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)
Transmission		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 & 2,5 Filtration EN 15429-3		EUnited 4 STAR
FILTER SHAKER		
Filter cleaning system		HYDRAULICS

WASTE CONTAINER			
Volumetric capacity	yd³	5.2	(4 m³)
Hopper emptying system		HYDRAULICS	
Dumping height	In	52.8	(1340mm)
Maximum dumping height	In	118.2	(3000mm)
Dumping angle	°	45	
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	105.7	(400l)
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		FPT	
Type approval		TIER 4 Final	
Displacement	In³	273.7	(4485cc)
Cylinders	n°	4	
Max power	HP	138	(103 KW)
Working speed	rpm	1500 - 1800	
Cooling system		WATER	
Fuel		DIESEL	
Autonomy / Consumption	gal/h	1.9	(6,9 l/h)
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	cm³	90	
Traction motor displacement	cm³	107	



WHEELS		
Front tire dimensions		285/70 R19.5 150 J
Specific pressure on the ground front wheels	Kg/cm ²	6.7 / 7.3
Rear tire dimensions		285/70 R19.5 150 J
Specific pressure on the ground rear wheels	Kg/cm ²	6.7 / 7.3
BRAKES		
Type		DISC
Service brake		HYDRAULICS
Parking brake		HYDRAULICS
STEERING		
Type		HYDRAULICS
Steering		FRONT AND REAR
HYDRAULIC SYSTEM		
Tank capacity	gal	35.2 (133l)
SOUND EMISSIONS		
Sound pressure level (LpA)	dB	67
Sound power level (LwA)	dB	99.5
AIR CONDITIONING SYSTEM		
Cooling power	KW	9
Heating power	KW	13.5
Air flow	yd ³ /h	944.2
GREASING SYSTEM (Opt.)		
Type		MANUAL OR AUTOMATIC
Greasing points	N°	up to 33
HIGH PRESSURE SYSTEM (Opt.)		
Type		HYDRAULICS
Flow	gal/min	5.6 (21 l/min)
Pressure	Psi	2900 (200 Bar)