

Technical sheet :

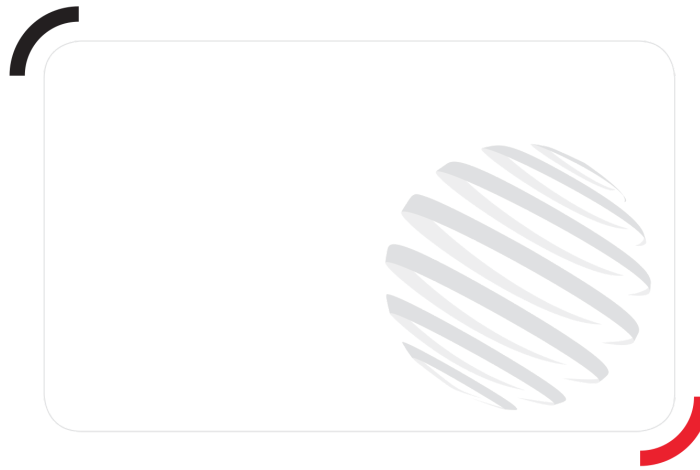
# **ES 420 DL PFR 9**

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	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ES 420 DL PFR 9
1.3	Power source		Battery
1.4	Operator type		Carried
1.5	Max. capacity	Q	2000 kg
1.51	Nominal capacity on wrapover forks	Q	1000 kg
1.52	Nominal capacity in double stacking 1 / 2	Q / Q	1000 kg + 1000 kg
1.6	Load centre of gravity	c	600 mm
1.8	Distance from Load backrest to center of rear axle	x	997 mm
1.9	Wheelbase	y	1704 mm
	<b>Weight</b>		
2.1	Service weight		1060 kg
2.2	Weight on front axle (laden) / rear axle (laden)		1485 kg / 1590 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		765 kg / 310 kg
	<b>Wheels</b>		
3.1	Tyres type		Polyurethane
3.5.2	Number of drive wheels / Size of drive wheels		1x230x75
3.3	Number of load wheels / Size of load wheels		4 / 82x68
3.4	Number of stabilizer wheels / Size of the stabilizer wheels		2 / 120x50
3.5	Number of front wheels / rear wheels		2 / 4
3.6	Front wheel gauge	b10	435 mm
3.7	Rear wheel gauge	b11	380 mm
	<b>Dimensions</b>		
4.9	Height tiller up min. / max.	h14 / h14	1045 mm / 1275 mm
4.19	Overall length	l1	2140 mm
4.20	Length to face of forks	l2	950 mm
4.21	Overall width	b1	688 mm
4.22	Forks section / width / length	s / e / l	60 mm / 80 mm / 1190 mm
4.24	Fork carriage width	b3	650 mm
4.31	Ground clearance below mast	m1	25 mm
4.32	Ground clearance at centre of wheelbase	m2	30 mm
4.35	Turning radius	Wa	2010 mm
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		8.50 km/h / 9 km/h
5.2	Lifting speed (laden / unladen)		0.11 m/s / 0.18 m/s
5.3	Lowering speed (laden / unladen)		0.20 m/s / 0.24 m/s
5.10	Service brake		Electro magnetic
	<b>Engine</b>		
6.1	Drive motor rating S2 60 min		1.70 kW
6.2	Lift motor rating at S3 15%		2 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		No
6.4	Battery / Batteries capacity		24 V / 270 Ah
6.5	Battery weight (+/- 5%)		245 kg
	<b>Miscellaneous</b>		
8.1	Type of drive control		AC
8.4	Sound level at the driver's ear according to DIN 12 053		65 dB(A)





Siège Social

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