

Technical sheet :

# **EP 22 PFR 9**

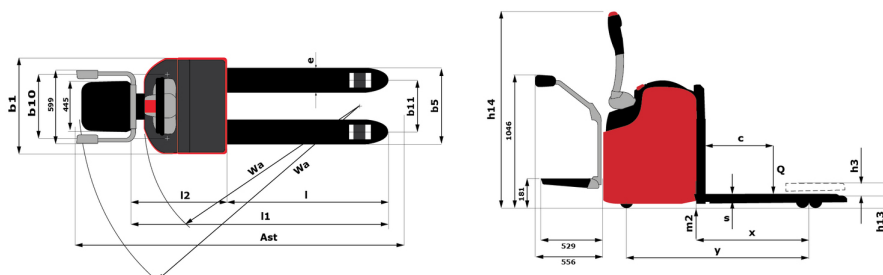
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 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric		Imperial	
1.1	Manufacturer		Manitou		Manitou
1.2	Model Name		EP 22 PFR 9		EP 22 PFR 9
1.3	Power source		Electrical		Electrical
1.4	Operator type		Carried		Carried
1.5	Max. capacity	Q	2200 kg		4850 lb
1.6	Load center of gravity	c	600 mm		24 in
1.8	Load distance, centre of drive axle to fork	x	894 mm		35 in
1.9	Wheelbase	y	1496 mm		59 in
Weight					
2.1	Service weight		630 kg		1389 lb
2.2	Weight on front axle (laden) / rear axle (laden)		1247 kg / 1583 kg		2749 lb / 3490 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		425 kg / 205 kg		937 lb / 452 lb
Wheels					
3.1	Tires type		Bandage		Bandage
3.2	Dimensions of front wheels		1 x (230 x 75)		1 x (230 x 75)
3.3	Dimensions of rear wheels		4 x ( 82 x 68)		4 x ( 82 x 68)
3.4	Additional wheels (dimensions)		2 x (120 x 50)		2 x (120 x 50)
3.5.2	Number of drive wheels / front wheels / rear wheels		1x + 3 / 4		1x + 3 / 4
3.6	Front wheel gauge	b10	435 mm		17 in
3.7	Rear wheel gauge	b11	365 mm		14 in
Dimensions					
4.15	Fork height in low position	h13	85 mm		3 in
4.19	Overall length	l1	1855 mm		73 in
4.20	Length to face of forks	l2	705 mm		28 in
4.21	Overall width - Single wheels	b1	688 mm		27 in
4.21	Overall width	b1	688 mm		27 in
4.22	Forks section / width / length	s / e / l	45 mm x 175 mm x 1150 mm		2 in x 7 in x 45 in
4.25	Fork spread	b5	540 mm		21 in
4.32	Ground clearance at centre of wheelbase	m2	40 mm		2 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2685 mm		106 in
4.35	Turning radius	Wa	2250 mm		89 in
4.4	Mast lift	h3	125 mm		5 in
4.9	Height tiller min.	h14	1024 mm		40 in
4.9	Height tiller max.	h14	1276 mm		50 in
Performances					
5.1	Travel speed (laden / unladen)		8.50 km/h / 9 km/h		5 mph / 6 mph
5.2	Lifting speed (laden / unladen)		0.02 m/s / 0.03 m/s		0.10 ft/s / 0.12 ft/s
5.3	Lowering speed (laden / unladen)		0.05 m/s / 0.04 m/s		0.16 ft/s / 0.15 ft/s
5.7	Gradeability (laden / unladen)		12 % / 20 %		12 % / 20 %
5.10	Service brake		Electro magnetic		Electro magnetic
5.11	Parking brake		Handle Release		Handle Release
Engine					
6.1	Drive motor rating S2 60 min		1.70 kW		1.70 kW
6.2	Lift motor rating at S3 15%		2 kW		2 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		No		No
6.4	Battery voltage / capacity		24 V / 270 Ah		24 V / 270 Ah
6.5	Battery weight (+/- 5%)		245 kg		540 lb
Miscellaneous					
8.1	Type of drive control		AC		AC
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB		< 70 dB
	Vibration on hands/arms		2.50 m/s <sup>2</sup>		2.50 m/s <sup>2</sup>

## EP 22 PFR 9 - Dimensional drawing





**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



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