Technical sheet:

ER 20 HD



Munifacture		Technical characteristics		Metric
Becincal	1.1	Manufacturer		MANITOU
1.5 Max. capacity Q 2000 kg 1.6 Load eistance, centre of drive acte to fook	1.2	Model Name		ER 20 HD
1.5 Load center of gravity c 500 mm 1.8 Load distance, centre of drive axie to fock x 416 mm 1.9 Wheelbase y 1500 mm 2.1 Service weight	1.3	Power source		Electrical
1.6	1.4	Operator type		Seated
1.0 Wheelbase Y 1530 mm	1.5	Max. capacity	Q	2000 kg
Nicolate Nicolate	1.6	Load center of gravity	С	600 mm
	1.8	Load distance, centre of drive axle to fork	x	416 mm
Service weight Wheels William William	1.9	Wheelbase	у	1530 mm
Wikele W		Weight		
1	2.1	Service weight		4150 kg
3.5.2 Number of drive wheels - Size of drive wheels 2 x 285105 3.3 Number of foot wheels - Size of load wheels 1 / 2 3.5 Number of foot wheels / raw wheels b10 0 mm 3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 1 128 mm 4.7 Height of ownhead gaugd (abin) b6 2205 mm 4.7 Height of ownhead gaugd (abin) h6 2205 mm 4.8 Sea height/stank height h7 1077 mm 4.19 Overall length 11 2485 mm 4.20 Length of face of forks 12 1335 mm 4.21 Overall width b1 1270 mm 4.22 Fork section / width / length \$ / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2238 (class/form) A/B \$ / e / l 40 mm x 100 mm / 1150 mm 4.25 Oistance between wheel amm / loading surfaces b5 3 16 mm / 697 mm 4.25 Oistance between wheel amm / loading surfaces b5 3 16 mm / 697 mm <t< td=""><td></td><td>Wheels</td><td></td><td></td></t<>		Wheels		
3.3 Number of load wheels - Size of load wheels 2 x 285*105 3.5 Number of front wheel gauge b10 0 mm 3.6 Fornt wheel gauge b10 0 mm 3.7 Bear wheel gauge b11 1128 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 4.8 Seat belight/stand height h7 1077 mm 4.9 Overall length 11 2485 mm 4.20 Length to face of forks 12 1335 mm 4.21 Overall width b1 1276 mm 4.22 Fook section / width / length 5 / e / I 40 mm x 100 mm / 1150 mm 4.23 Fook cariage iSO 2238 (class/form) A/B 2 2 4.24 Distance between wheel ams./loading surfaces b4 903 mm 4.25 Office cariage iSO 2238 (class/form) A/B 2 2 4.25 Distance between wheel ams./loading surfaces b4 903 mm 4.25 Office cariage iSO 2238 (class/form) A/B 2 70 mm 4.25 Distance between	3.1	Tires type		Vulkollan
3.5 Number of front wheels / rear wheels 1 / 2 3.6 Front wheel gauge b11 0 mm 3.7 Rear wheel gauge b11 11128 mm 4.7 Height of overhead guard (cabin) h6 2205 mm 4.8 Seat height stand height h7 1077 mm 4.19 Overall length 11 2485 mm 4.20 Length to face of forks 12 1335 mm 4.21 Overall width b1 1270 mm 4.22 Fork section / width / length 5 / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISD 2228 (class form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISD 2228 (class form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.24 Distance between wheel amms/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.24 Giround clearance at centre of wheelbase m2 70 mm 4.33 Aslie width for 800 x 1200 pallet lengthways Ast 2831 mm	3.5.2	Number of drive wheels - Size of drive wheels		0 x 355 x 155
3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b11 1128 mm 4.7 Height of owehead guard (cabin) 66 2205 mm 4.8 Seat helpht stand height h7 1077 mm 4.9 Overall length 11 22485 mm 4.20 Length of ace of foks 12 1335 mm 4.21 Overall width / length b1 1270 mm 4.22 Fok section / width / length 5 / e / l 40 mm x 100 mm / 1150 mm 4.23 Fok carriage ISO 2328 (class/form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.26 Distance between wheel arms/loading surfaces b4 903 mm 4.26 Distance between wheel arms/loading surfaces b4 903 mm 4.26 Distance between wheel arms/loading surfaces b4 903 mm 4.26 Distance between wheel arms/loading surfaces m2 70 mm 4.25 Ground clearance at centre of wheelbase m2 70 mm 4.32 Asis width for 800 x 1200 pallet lengthways Ast 2	3.3	Number of load wheels - Size of load wheels		2 x 285*105
Rear wheel gauge	3.5	Number of front wheels / rear wheels		1/2
	3.6	Front wheel gauge	b10	0 mm
4.7 Height of overhead guard (cabin) h6 2205 mm 4.8 Seat height stand height h7 1077 mm 4.19 Overall length i1 2485 mm 4.20 Length to face of forks I2 1335 mm 4.21 Overall width b1 1270 mm 4.22 Fork section / width / length s e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 2A 2A 4.26 Distance between wheel amms/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Alsie width for 1000 x 1200 pallet lengthways Ast 2288 mm 4.34 Alsie width for 800x 1200 pallet lengthways Ast 283 mm 4.35 Tuming radius Wa 1750 mm Performances Wa 1750 mm 5.2 Liffing speed (laden / unladen) 0.5 m/s / 0.43 m/s 5.4 Reach speed (with load	3.7	Rear wheel gauge	b11	1128 mm
4.8 Seat height/stand height h7 1077 mm 4.19 Overall length 11 2485 mm 4.20 Length to face of forks 12 1335 mm 4.21 Overall width bl 1270 mm 4.22 Fork seriage ISO 2328 (class/form) A/B s / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B b4 903 mm 4.26 Distance between wheel arms/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.26 Oistance between wheel arms/loading surfaces m2 70 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.26 Oistance between wheel arms/loading surfaces m2 70 mm 4.25 Ground clearance at centre of wheelbase m2 2788 mm 4.33 Asis ewidth for 800 x 1200 pallet lengthways Ast 2231 mm 4.33 Aisle width for 800 x 1200 pallet lengthways Ast 2231 mm 4.35 Tuming radius 0		Dimensions		
4.19 Overall length I1 2485 mm 4.20 Length to face of forks 12 1335 mm 4.21 Overall width b1 1270 mm 4.22 Fork section / width / length s /e /l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2282 (class/form) A/B 2A 2A 4.26 Distance between wheel ams/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 A isle width for 1000 x 1200 pallet lengthways Ast 22831 mm 4.34 A isle width for 800 x 1200 pallet lengthways Ast 22831 mm 4.35 Tuming radius M3 1750 mm Performances Wa 1750 mm 5.1 Travel speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.20 m/s / 0.20 m/s 5.1 Service brake Electric 6.3 Engline Electric	4.7	Height of overhead guard (cabin)	h6	2205 mm
4.19 Overall length I1 2485 mm 4.20 Length to face of forks 12 1335 mm 4.21 Overall width b1 1270 mm 4.22 Fork section / width / length s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 5 / e / l 40 mm x 100 mm / 1150 mm 4.26 Distance between wheel ams/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Asile width for 800 x 1200 pallet lengthways Ast 22788 mm 4.34 A isle width for 800 x 1200 pallet lengthways Ast 22831 mm 4.35 Tuming radius M8 1750 mm 6.1 Travel speed (laden / unladen) Wa 1750 mm 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Cowering speed (laden / unladen) 0.02 m/s / 0.20 m/s 5.1 Gradeability (laden / unladen) 0.02 m/s / 0.20 m/s	4.8	Seat height/stand height	h7	1077 mm
4.21 Overall width b1 1 270 mm 4.22 Fork section / width / length s / e / I 40 mm x 100 mm / 150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B b4 903 mm 4.26 Distance between wheel ams/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 A isle width for 1000 x 1200 pallet lengthways Ast 283 mm 4.34 A isle width for 800 x 1200 pallet lengthways Ast 283 mm 4.35 Tuming radius Wa 1750 mm 4.35 Tuming radius Wa 1750 mm 5.1 Tavel speed (laden / unladen) Wa 1750 mm 5.2 Lifting speed (laden / unladen) 0.55 m/s / 0.43 m/s 3.37 m/s / 0.53 m/s 5.3 Lowering speed (laden / unladen) 0.20 m/s / 0.20 m/s 6.30 */ 9.40 * 6.30 */ 9.40 * 6.30 */ 9.40 * 6.30 */ 9.40 * 6.30 */ 9.40 * 6.30 */ 9.40 * 15 km 6.30 */ 9.40 *	4.19	Overall length	l1	2485 mm
4.21 Overall width b1 1 270 mm 4.22 Fork section / width / length s / e / I 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 2A 4.26 Distance between wheel ams/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 A isle width for 1000 x 1200 pallet lengthways Ast 283 mm 4.34 A isle width for 800 x 1200 pallet lengthways Ast 283 mm 4.35 Tuming radius Wa 1750 mm 4.35 Tuming radius Wa 1750 mm 5.1 Tavel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 15.30 m/s 0.55 m/s / 0.43 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 0.55 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 7.20 km/s 6.30 k/ 9.40 km/s 5.1 Service brake 15 km <t< td=""><td>4.20</td><td>Length to face of forks</td><td>12</td><td>1335 mm</td></t<>	4.20	Length to face of forks	12	1335 mm
4.23 Fork carriage ISO 2328 (class/form) A/B 2A 4.26 Distance between wheel amms/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearace at centre of wheelbase m2 70 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2881 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2831 mm 4.35 Tuming radius Wa 1750 mm 5.1 Travel speed (laden / unladen) 0.37 m/s / 0.63 m/s 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.55 m/s / 0.20 m/s 0.55 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 6.30 % / 9.40 % 5.10 Service brake Electric 6.1 Dive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating S2 60 min 15 kW 6.3 Battery voltage / capacity 48 V / 620 Ah <	4.21		b1	1270 mm
4.26 Distance between wheel arms/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2831 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2831 mm 4.35 Tuming radius Wa 1750 mm 5.1 Tavel speed (laden / unladen) Wa 1750 mm 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 0.20 m/s / 0.20 m/s 5.10 Sentice brake Electric Engline Electric 6.1 Drive motor rating \$2.50 min 7.20 kW 6.2 Lift motor rating at \$3.15% 15 kW 6.3 Battery voltage / capacity 48 Y / 620 Ah 6.5 <	4.22	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm
4.26 Distance between wheel arms/loading surfaces b4 903 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2831 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2831 mm 4.35 Tuming radius Wa 1750 mm 5.1 Tavel speed (laden / unladen) Wa 1750 mm 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 0.20 m/s / 0.20 m/s 5.10 Sentice brake Electric Engline Electric 6.1 Drive motor rating \$2.50 min 7.20 kW 6.2 Lift motor rating at \$3.15% 15 kW 6.3 Battery voltage / capacity 48 Y / 620 Ah 6.5 <	4.23	-		2A
4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2788 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2831 mm 4.35 Tuming radius Wa 1750 mm Perfomances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 0.50 m/s / 0.40 m/s 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating S2 60 min 7.20 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil fl	4.26		b4	903 mm
4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2788 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2831 mm 4.35 Tuming radius Wa 1750 mm Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (with load / without load) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.60 min 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery weight (+/- 5%) 920 kg Miscellaneous Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	4.25.1	Width over forks min. / max.	b5	316 mm / 697 mm
4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2831 mm 4.35 Tuming radius Wa 1750 mm Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery veight (+/- 5%) 920 kg Miscellaneous 48 V / 620 Ah 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	4.32	Ground clearance at centre of wheelbase	m2	70 mm
4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2831 mm 4.35 Tuming radius Wa 1750 mm Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engline 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/5/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V/ 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	4.33	Aisle width for 1000 x 1200 pallet lengthways		2788 mm
Tuming radius Wa 1750 mm Perfomances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.50 min 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/-5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	4.34		Ast	2831 mm
Performances 5.1 Travel speed (laden / unladen) 14.30 km/h / 14.50 km/h 5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (with load / without load) 0.20 m/s / 0.20 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric 6.1 Drive motor rating \$2.60 min 7.20 kW 6.2 Lift motor rating \$2.60 min 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous Electronic 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	4.35		Wa	1750 mm
5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min				
5.2 Lifting speed (laden / unladen) 0.37 m/s / 0.63 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.1			14.30 km/h / 14.50 km/h
5.3 Lowering speed (laden / unladen) 0.55 m/s / 0.43 m/s 5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s 5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.2			0.37 m/s / 0.63 m/s
5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.3	Lowering speed (laden / unladen)		0.55 m/s / 0.43 m/s
5.7 Gradeability (laden / unladen) 6.30 % / 9.40 % 5.10 Service brake Electric Engine 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.4.1			0.20 m/s / 0.20 m/s
Electric Engine Companies 6.1 Drive motor rating S2 60 min 7.20 kW 6.2 Lift motor rating at S3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.7			6.30 % / 9.40 %
6.1 Drive motor rating \$2 60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	5.10	,		Electric
6.1 Drive motor rating \$2 60 min 7.20 kW 6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min		Engine		
6.2 Lift motor rating at \$3 15% 15 kW 6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min	6.1			7.20 kW
6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C 6.4 Battery voltage / capacity 48 V / 620 Ah 6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min				
6.4 Battery voltage / capacity				
6.5 Battery weight (+/- 5%) 920 kg Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min				
Miscellaneous 8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min				
8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 25 l/min				
8.3 Oil flow rate for attachments 25 l/min	8.1			Electronic
		**		

ER 20 HD - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 64	FLT 71	FLT 76	FLT 81	FLT 85	FLT 90	FLT 96	FLT 102	FLT 114	FLT 115
Mast/fork carriage tilt, forward	٠	1	1	1	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	٠	1	1	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2957	3190	3357	3523	3673	3823	4040	4240	4440	4673
h2 - Mast free lift	mm	2400	2650	2800	2980	3100	3283	3500	3700	3900	4100
h3 - Mast lifting height	mm	6350	7050	7550	8050	8500	8950	9600	10200	10800	11500
h4 - Mast extended height	mm	6930	7630	8130	8630	9080	9530	10180	10780	11380	12080
Residual capacity at max height	kg										600
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1300	1150	1000	800			





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