Technical sheet :



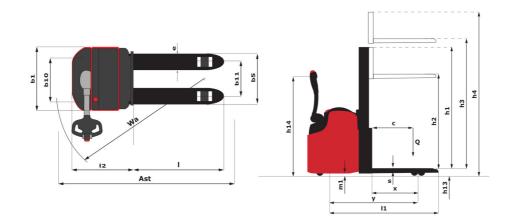




11	Technical characteristics Manufacturer
1.1	Manuracturer Model Name
	Model Name Power source
1.3	
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Distance from Load backrest to center of rear axle
1.9	Wheelbase
	Weight
2.1	Service weight
2.2	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
3.1	Tires type
3.3	Number of load wheels / Size of load wheels
3.4	Number of stabilizer wheels / Size of the stabilizer wheels
3.5	Number of front wheels / rear wheels
3.5.2	Number of drive wheels / Size of drive wheels
3.6	Front wheel gauge
3.7	Rear wheel gauge
	Dimensions
4.6	Initial lift
4.15	Fork height in low position
4.19	Overall length
4.20	Length to face of forks
4.21	Overall width
4.22	Forks section / width / length
4.24	Fork carriage width
4.32	Ground clearance at centre of wheelbase
4.33	Aisle Width for pallets 1000 x 1200 crossways
4.34	Aisle width for 800 x 1200 pallet lengthways
4.35	Turning radius
4.9	Height tiller min. / max.
	Performances
5.1	Travel speed (laden / unladen)
5.2	Lifting speed (laden / unladen)
5.3	Lowering speed (laden / unladen)
5.8	Max Gradeability (laden / unladen)
5.10	Service brake
	Engine
6.1	Drive motor rating S2 60 min
6.2	Lift motor rating at \$3 15%
6.3	Battery according to DIN 43531/35/36 A, B, C
6.4	Battery voltage / capacity
6.5	Battery weight (+/- 5%)
	Miscellaneous
8.1	Type of drive control
8.4	Sound level at the driver's ear according to DIN 12 053

Metric           Manitou           ES 616 LI           Electrical           Pedestrian           Q           600 kg           c           600 mm           x           848 mm           y           1327 kg           1327 kg           1033 kg / 290 kg           Bandage           2 / 140x60           2 / 4           1/230x70           b10           529 mm           b11           380 mm           11           2174 mm           2           976 mm           b11           800 mm           s1           976 mm           b1           800 mm           s/ e / 1           60 mm / 185 mm / 1190 mm           b3           700 m           m2           30 mm           Ast           2520 mm           Ast           2520 mm           Ast           2520 mm           Ast           2520 mm           6 km/h / 6 km/h	ES 616	Created on 1 May 2024 at 8:31:32 PM UTC
ES 616 LI           Pedestrian           Q           1600 kg           c           600 mm           x           848 mm           y           1327 kg           1246 kg / 1670 kg           1033 kg / 290 kg           Bandage           2 / 140x60           1 / 140x60           2 / 4           1/230x70           b10           529 mm           b11           380 mm           1           12           976 mm           b1           800 mm           s/ / 110 mm           h13           86 mm           11           2174 mm           2           976 mm           b1           800 mm           s/ e / 1           60 mm / 185 mm / 1190 mm           b3           700 m           m2           30 mm           Ast           2520 mm           Ast           2520 mm           Ast           26 km/h / 6 km/h <td< th=""><th></th><th>Metric</th></td<>		Metric
Electrical           Q         1600 kg           c         600 mm           x         848 mm           y         1492 mm           y         1327 kg           1246 kg / 1670 kg         1033 kg / 290 kg           Bandage         2 / 140x60           2 / 140x60         2 / 4           1/230x70         529 mm           b10         529 mm           b11         380 mm           a         110 mm           h13         86 mm           11         2174 mm           12         976 mm           b11         800 mm           s / e / 1         60 mm / 185 mm / 1190 mm           b3         700 m           m2         30 mm           Ast         2520 mm           Ast         2520 mm           Ast         2520 mm           Ast         2620 mm           Ma         1588 mm           h14 / h14         750 mm / 1250 mm           Ma         1588 mm           h14 / h14         750 mm / 1250 mm           Ma         1588 mm           h14 / h14         750 m/ 30 m/s           0.27 m/s / 0.22 m/s		Manitou
Pedestrian           Q         1600 kg           c         600 mm           x         848 mm           y         1492 mm           1327 kg         1246 kg / 1670 kg           1033 kg / 290 kg         1033 kg / 290 kg           Bandage         2 / 140x60           1 / 140x60         2 / 4           1/230x70         510           511         380 mm           h5         110 mm           h13         86 mm           11         2174 mm           12         976 mm           b1         800 mm           s / e / I         60 mm / 185 mm / 1190 mm           b3         700 m           m2         30 mm           Ast         2520 mm           kst         2435 mm           Wa         1588 mm           h14 / h14         750 mm / 1250 mm           Kat         2435 mm           Q         0.18 m/s / 0.30 m/s           Q         2.27 m/s / 0.32 m/s           Q         1.50 kW           3 kW         DIN 43535-B           Q4 V / 180 Ah         189 kg		ES 616 LI
Q         1600 kg           c         600 mm           x         848 mm           y         1492 mm           J         1327 kg           1246 kg / 1670 kg         1033 kg / 290 kg           Bandage         2 / 140x60           2 / 140x60         2 / 4           1/230x70         510           529 mm         511           380 mm         11           976 mm         11           11         2174 mm           12         976 mm           b1         800 mm           s / e / 1         60 mm / 185 mm / 1190 mm           b3         700 m           m2         30 mm           Ast         2520 mm           Ast         2520 mm           Ast         2520 mm           Ast         2435 mm           0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s           7 % / 10 %         Electro magnetic           1.50 kW         3 kW           DIN 43535-B         24 V / 180 Ah           189 kg         189 kg		Electrical
c         600 mm           x         848 mm           y         1492 mm           1327 kg         1246 kg / 1570 kg           1033 kg / 290 kg         20 kg           Bandage         2 / 140x60           2 / 140x60         1 / 140x60           2 / 4         1/230x70           b10         529 mm           b11         380 mm           m         11           11         2174 mm           12         976 mm           b11         800 mm           s2 / e / 1         60 mm / 185 mm / 1190 mm           s3         700 m           s4         2520 mm           Ast         2435 mm           Wa         1588 mm           h14 / h14         750 mm / 1250 mm           Ma         0.18 m/s / 0.30 m/s           0.27 m/s / 0.32 m/s         7 % / 10 %           Electro magnetic         1.50 kW           3 kW         3 kW           DIN 43535-B         24 V / 180 Ah           189 kg         189 kg		Pedestrian
x         848 mm           y         1492 mm           1327 kg         1246 kg / 1670 kg           1033 kg / 290 kg         1033 kg / 290 kg           Bandage         2 / 140x60           2 / 140x60         1 / 140x60           2 / 4         1/230x70           b10         529 mm           b11         380 mm           h5         110 mm           h13         86 mm           11         2174 mm           12         976 mm           b1         800 mm           s/ e / 1         60 mm / 185 mm / 1190 mm           b3         700 m           m2         30 mm           Ast         2435 mm           wa         1588 mm           h14 / h14         750 mm / 1250 mm           h14 / h14         750 mm / 1250 mm           i         0.27 m/s / 0.30 m/s           i         0.18 m/s / 0.30 m/s           i         1.50 kW           i         3 kW           i         189 kg           i         189 kg	Q	1600 kg
y         1492 mm           1327 kg         1327 kg           1246 kg / 1670 kg         1033 kg / 290 kg           Bandage         2 / 140x60           2 / 140x60         2 / 4           1 / 140x60         2 / 4           1033 kg / 290 kg         11           8andage         2 / 140x60           1 / 140x60         2 / 4           1 / 1230x70         50           510         529 mm           511         380 mm           h5         110 mm           h13         86 mm           11         2174 mm           12         976 mm           b1         800 mm           s / e / 1         60 mm / 185 mm / 1190 mm           b3         700 m           m2         30 mm           Ast         2520 mm           Ast         2435 mm           Wa         1588 mm           h14 / h14         750 mm / 1250 mm           H44 / h14         750 mm / 1250 mm           L         6 km/h / 6 km/h           0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s           7 % / 10 %         Electro magnetic           1.50 kW         3 kW	С	600 mm
1327 kg         1246 kg / 1670 kg         1033 kg / 290 kg         Bandage         2 / 140x60         1 / 140x60         2 / 4         1/230x70         b10         529 mm         b11         380 mm         m         h5         11         380 mm         m         h13         86 mm         11         2174 mm         12         976 mm         b1         800 mm         s/e /1         60 mm / 185 mm / 1190 mm         b3         700 m         m2         30 mm         Ast         2520 mm         Ast         2520 mm         Ast         2520 mm         Ast         2158 mm         h14 / h14         750 m / 1250 mm         16 km/h / 6 km/h         0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s         7 % / 10 %         Electro magnetic         1.50 kW         3 kW	х	848 mm
1246 kg / 1670 kg         1033 kg / 290 kg         Bandage         2 / 140x60         1 / 140x60         2 / 4         1/230x70         b10         529 mm         b11         380 mm         h5         110 mm         h13         86 mm         11         2174 mm         12         976 mm         b1         800 mm         s/ e / 1         60 mm / 185 mm / 1190 mm         b3         700 m         m2         30 mm         Ast         2520 mm         Ast         2520 mm         Ast         2520 mm         Ast         2520 mm         Ast         2030 m/s         0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s         7 % / 10 %         Electro magnetic         1.50 kW         3 kW         DIN 43535-B         24 V / 180 Ah         189 kg	у	1492 mm
1246 kg / 1670 kg         1033 kg / 290 kg         Bandage         2 / 140x60         1 / 140x60         2 / 4         1/230x70         b10         529 mm         b11         380 mm         h5         110 mm         h13         86 mm         11         2174 mm         12         976 mm         b1         800 mm         s/ e / 1         60 mm / 185 mm / 1190 mm         b3         700 m         m2         30 mm         Ast         2520 mm         Ast         2520 mm         Ast         2520 mm         Ast         2520 mm         Ast         2030 m/s         0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s         7 % / 10 %         Electro magnetic         1.50 kW         3 kW         DIN 43535-B         24 V / 180 Ah         189 kg		
1033 kg / 290 kg           Bandage           2 / 140x60           1 / 140x60           2 / 4           1/230x70           b10           529 mm           b11           380 mm           h13           86 mm           11           2174 mm           12           976 mm           b1           800 mm           s1           976 mm           b1           800 mm           s/ e / 1           60 mm / 185 mm / 1190 mm           b3           700 m           m2           30 mm           Ast           2520 mm           Ast           2520 mm           Ast           2435 mm           Wa           1588 mm           h14 / h14           750 mm / 1250 mm           6 km/h / 6 km/h           0.18 m/s / 0.30 m/s           0.27 m/s / 0.22 m/s           7 % / 10 %           Electro magnetic           1.50 kW           3 kW           DIN 43535-B		1327 kg
Bandage           2 / 140x60           1 / 140x60           2 / 4           1/230x70           b10           529 mm           b11           380 mm           H1           380 mm           H1           976 mm           b1           970 m           b2           970 m           b3           700 m           m2           30 mm           Ast           2520 mm           Ast           2520 mm           Ast           2435 mm           Wa           1588 mm           h14 / h14           750 mm / 1250 mm           20.22 m/s           7 % / 10 %           Electro magnetic           1.50 kW           3 kW           DIN 43535-B           24 V / 180 Ah           189 kg           IN0 k		1246 kg / 1670 kg
2 / 140x60           1 / 140x60           2 / 4           1/230x70           b10           529 mm           b11           380 mm           4           10           529 mm           b11           380 mm           4           11           2174 mm           12           976 mm           b1           800 mm           s / e / I           60 mm / 185 mm / 1190 mm           b3           700 m           m2           30 mm           Ast           2520 mm           Ast           2520 mm           Ast           2435 mm           Wa           1588 mm           h14 / h14           750 mm / 1250 mm           6 km/h / 6 km/h           0.18 m/s / 0.30 m/s           0.27 m/s / 0.22 m/s           7 % / 10 %           Electro magnetic           1.50 kW           3 kW           DIN 43535-B           24 V / 180 Ah           189 kg		1033 kg / 290 kg
2 / 140x60           1 / 140x60           2 / 4           1/230x70           b10           529 mm           b11           380 mm           4           10           529 mm           b11           380 mm           4           11           2174 mm           12           976 mm           b1           800 mm           s / e / I           60 mm / 185 mm / 1190 mm           b3           700 m           m2           30 mm           Ast           2520 mm           Ast           2520 mm           Ast           2435 mm           Wa           1588 mm           h14 / h14           750 mm / 1250 mm           6 km/h / 6 km/h           0.18 m/s / 0.30 m/s           0.27 m/s / 0.22 m/s           7 % / 10 %           Electro magnetic           1.50 kW           3 kW           DIN 43535-B           24 V / 180 Ah           189 kg		
1 / 140x60         2 / 4         1/230x70         b10       529 mm         b11       380 mm         h5       110 mm         h13       86 mm         11       2174 mm         12       976 mm         b1       800 mm         s/ e / l       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2520 mm         Ast       2520 mm         Ma       1588 mm         h14 / h14       750 mm / 1250 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         Image: Sign of the system       7 % / 10 %         Image: Sign of the system       7 % / 10 %         Image: Sign of the system       3 kW         Image		-
2 / 4         1/230x70         b10       529 mm         b11       380 mm         h5       110 mm         h13       86 mm         l1       2174 mm         l2       976 mm         b1       800 mm         s / e / l       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         Ma       0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s       7 % / 10 %         Electro magnetic       1.50 kW         3 kW       DIN 43535-B         24 V / 180 Ah       189 kg		2 / 140x60
b10       529 mm         b11       380 mm         h5       110 mm         h13       86 mm         l1       2174 mm         l2       976 mm         b1       800 mm         s / e / l       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         Ma       0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s       7 % / 10 %         Electro magnetic       1.50 kW         3 kW       110 %         JIA / J189 kg       24 V / 180 Ah		1 / 140x60
b10         529 mm           b11         380 mm           h5         110 mm           h13         86 mm           l1         2174 mm           l2         976 mm           b1         800 mm           s/ e / l         60 mm / 185 mm / 1190 mm           b3         700 m           m2         30 mm           Ast         2520 mm           Ast         2435 mm           Wa         1588 mm           h14 / h14         750 mm / 1250 mm           Ma         0.18 m/s / 0.30 m/s           0.18 m/s / 0.30 m/s         0.22 m/s           7 % / 10 %         Electro magnetic           1.50 kW         3 kW           DIN 43535-B         24 V / 180 Ah           189 kg         189 kg		2 / 4
b11       380 mm         h5       110 mm         h13       86 mm         11       2174 mm         12       976 mm         b1       800 mm         s / e / I       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         February (1250 mm)         L       6 km/h / 6 km/h         0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         7 % / 10 %       Electro magnetic         L       1.50 kW       3 kW         DIN 43535-B       24 V / 180 Ah         189 kg       189 kg		1/230x70
h5         110 mm           h13         86 mm           l1         2174 mm           l2         976 mm           b1         800 mm           s/ e / I         60 mm / 185 mm / 1190 mm           b3         700 m           m2         30 mm           Ast         2520 mm           Ast         2435 mm           Wa         1588 mm           h14 / h14         750 mm / 1250 mm           6 km/h / 6 km/h         0.18 m/s / 0.30 m/s           0.27 m/s / 0.20 m/s         0.27 m/s / 0.22 m/s           7 % / 10 %         Electro magnetic           1.50 kW         3 kW           DIN 43535-B         24 V / 180 Ah           189 kg         189 kg	b10	529 mm
h13       86 mm         l1       2174 mm         l2       976 mm         b1       800 mm         s / e / l       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         6 km/h / 6 km/h       0.18 m/s / 0.30 m/s         0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         7 % / 10 %       Electro magnetic         1.50 kW       3 kW         DIN 43535-B       24 V / 180 Ah         189 kg       189 kg	b11	380 mm
h13       86 mm         l1       2174 mm         l2       976 mm         b1       800 mm         s / e / l       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         6 km/h / 6 km/h       0.18 m/s / 0.30 m/s         0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         7 % / 10 %       Electro magnetic         1.50 kW       3 kW         DIN 43535-B       24 V / 180 Ah         189 kg       189 kg		
I1       2174 mm         I2       976 mm         b1       800 mm         s / e / I       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         Ma       0.18 m/s / 0.30 m/s         0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         7 % / 10 %       Electro magnetic         1.50 kW       3 kW         DIN 43535-B       24 V / 180 Ah         189 kg       AC		
12       976 mm         b1       800 mm         s / e / 1       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         6 km/h / 6 km/h       0.18 m/s / 0.30 m/s         0.27 m/s / 0.22 m/s       7 % / 10 %         Electro magnetic       1.50 kW         3 kW       JIN 43535-B         24 V / 180 Ah       189 kg         At       AC		
b1       800 mm         s / e / I       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm          6 km/h / 6 km/h         0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         7 % / 10 %       Electro magnetic          1.50 kW         3 kW       DIN 43535-B         24 V / 180 Ah       189 kg		
s / e / I       60 mm / 185 mm / 1190 mm         b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         6 km/h / 6 km/h       0.18 m/s / 0.30 m/s         0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         7 % / 10 %       Electro magnetic         1.50 kW       3 kW         DIN 43535-B       24 V / 180 Ah         189 kg       AC		
b3       700 m         m2       30 mm         Ast       2520 mm         Ast       2435 mm         Wa       1588 mm         h14 / h14       750 mm / 1250 mm         Ma       6 km/h / 6 km/h         0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s         7 % / 10 %       Electro magnetic         1.50 kW       3 kW         DIN 43535-B       24 V / 180 Ah         189 kg       AC		
m2     30 mm       Ast     2520 mm       Ast     2435 mm       Wa     1588 mm       h14 / h14     750 mm / 1250 mm       6 km/h / 6 km/h     0.18 m/s / 0.30 m/s       0.27 m/s / 0.22 m/s     7 % / 10 %       Electro magnetic     1.50 kW       3 kW     DIN 43535-B       24 V / 180 Ah     189 kg       Ast     Ac		
Ast     2520 mm       Ast     2435 mm       Wa     1588 mm       h14 / h14     750 mm / 1250 mm       h14 / h14     750 mm / 1250 mm       6 km/h / 6 km/h     0.18 m/s / 0.30 m/s       0.18 m/s / 0.30 m/s     0.27 m/s / 0.22 m/s       7 % / 10 %     Electro magnetic       1.50 kW     3 kW       1.50 kW     3 kW       1.50 kW     3 kW       24 V / 180 Ah     189 kg       Ac     Ac		
Ast     2435 mm       Wa     1588 mm       h14 / h14     750 mm / 1250 mm       h14 / h14     750 mm / 1250 mm       6 km/h / 6 km/h     0.18 m/s / 0.30 m/s       0.18 m/s / 0.30 m/s     0.27 m/s / 0.22 m/s       7 % / 10 %     210 kW       Electro magnetic     1.50 kW       3 kW     DIN 43535-B       24 V / 180 Ah     189 kg       Ast of the second se		
Wa         1588 mm           h14 / h14         750 mm / 1250 mm           h14 / h14         750 mm / 1250 mm           h14 / h14         6 km/h / 6 km/h           h14 / h14         0.18 m/s / 0.30 m/s           h15 m/s / 0.30 m/s         0.22 m/s           h15 m/s / 0.22 m/s         7 % / 10 %           Electro magnetic         1.50 kW           h15 m/s / 0.30 km         3 kW           h15 m/s / 0.30 km         3 kW           h189 kg         1.89 kg           h189 kg         AC		
h14 / h14 750 mm / 1250 mm 6 km/h / 6 km/h 0.18 m/s / 0.30 m/s 0.27 m/s / 0.22 m/s 7 % / 10 % Electro magnetic 1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		
6 km/h / 6 km/h 0.18 m/s / 0.30 m/s 0.27 m/s / 0.22 m/s 7 % / 10 % Electro magnetic 1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		
0.18 m/s / 0.30 m/s 0.27 m/s / 0.22 m/s 7 % / 10 % Electro magnetic 1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC	11147 1114	730 mm / 1230 mm
0.18 m/s / 0.30 m/s 0.27 m/s / 0.22 m/s 7 % / 10 % Electro magnetic 1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		6 km/h / 6 km/h
0.27 m/s / 0.22 m/s 7 % / 10 % Electro magnetic 1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		
7 % / 10 % Electro magnetic 1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		
Electro magnetic Electro magnetic 1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		
1.50 kW 3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		
3 kW DIN 43535-B 24 V / 180 Ah 189 kg AC		
DIN 43535-B 24 V / 180 Ah 189 kg AC		1.50 kW
24 V / 180 Ah 189 kg AC		
24 V / 180 Ah 189 kg AC		DIN 43535-B
189 kg AC		
AC		
65 dB		AC
		65 dB

## ES 616 LI - Dimensional drawing



## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	1506	1756
h4 - Mast extended height	mm	1960	2210
Residual capacity at max height	kg	1600	1600

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1953	2203	2403
h3 - Mast lifting height	mm	2936	3436	3836
h4 - Mast extended height	mm	3390	3890	4290
Residual capacity at max height	kg	1350	1100	850

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	2931	3431
h4 - Mast extended height	mm	3385	3885
Residual capacity at max height	kg	1350	1100

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	mm	1911	2071	2315
h2 - Mast free lift	mm	1466	1626	1880
h3 - Mast lifting height	mm	4246	4726	5460
h4 - Mast extended height	mm	4723	5203	5895
Residual capacity at max height	kg	670	500	450



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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes