Technical sheet:

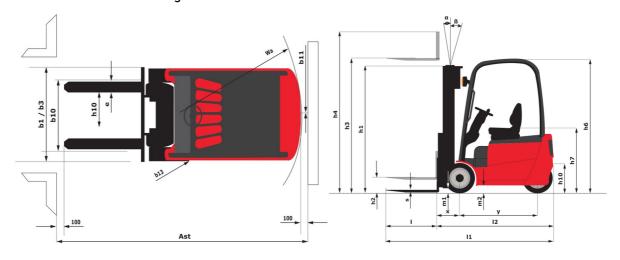
## **ME 316 US**





Technical characteristics	
1.2   Model Name	
1.3   Power sounce	
1.4         Operator type         Seated           1.5         Max. capacity         0         3327 lb           1.6         Load center of graity         c         20 in           1.8         Load center of graity         x         14 in           1.9         Wheelbase         y         53 in           Weight         0         6878 lb           2.1         Senice weight         0.058 lb 1/387 lb           2.2         Weight on front axie (Idaden) / rear axie (Idaden)         0.099 lb 1/387 lb           2.3         Weight on front axie (Idaden) / rear axie (Idaden)         0.099 lb 1/387 lb           2.1         Tites type         0         3175 lb / 3704 lb           3.2         Dimensions of front axie         1827 8         1827 8           3.3         Dimensions of front axie         1827 8         1827 8           3.3         Dimensions of front wheels         1827 8         1827 8           3.5         Number of drive wheels         2         2           3.5         Front wheel gauge         b10         36 in           4.7         Height of front wheels         187 49         39 in           4.8         Seat height/ystand height         h7         39 in <td></td>	
1.5         Max. capacity         c         20 in           1.6         Load center of grainy         c         20 in           1.8         Load distance, center of drive axle to fork         x         14 in           1.9         Wheelbase         y         53 in           Weight         c         6678 lb           2.1         Sevince weight         66878 lb         9039 lb / 1367 lb           2.2         Weight on front axle (Laden) / rear axle (Lunden)         9039 lb / 1367 lb         3175 lb / 370 lb           2.2         Weight on front axle (Unladen) / rear axle (Unladen)         2         9039 lb / 1367 lb           3.1         Tires type         Solid dires           3.2         Dimensions of front wheels         2         18x7-8           3.3         Dimensions of front wheels         2         2 / 1           3.5         Number of front wheels / rear wheels         9         2           3.5         Pront wheel gauge         b10         36 in           4.7         Height of owehead guard (cabin)         h6         80 in           4.8         Seat height/Stand height         h7         39 in           4.12         Height of towing bay (cougling height)         h10         2 / 1 </td <td></td>	
1.6         Load center of gravity         c         20 in           1.8         Load distance, centre of drive axle to fork         x         14 in           1.9         Welght         y         5.3 in           2.1         Service weight         9039 br / 1367 lb           2.2         Weight on front axle ((unladen) / rear axle ((unladen)         9039 br / 1367 lb           2.3         Weight on front axle ((unladen) / rear axle (unladen)         8           3.1         Tires type         Solid tires           3.2         Dimensions of front wheels         1         Solid tires           3.2         Dimensions of front wheels         2         2/1           3.3         Dimensions of front wheels         2         2/1           3.5         Number of front wheels weels         2         2/1           3.5         Number of the wheels         2         2/1           3.5         Number of the wheels         9         2           3.6         Font wheel gauge         bit         7 in           4.8         Sear wheely the depart (eablity)         hit         7 in           4.8         Seat height of towing bar (coupling height)         hit         2         7 in           4.1	
1.8         Load distance, centee of drive axie to fork         x         14 in mode           1.9         Wheelbase         y         53 in mode           2.1         Service weight         6878 lb           2.2         Weight on front axie (laden) / rear axie (laden)         3039 lb / 1367 lb           2.2         Weight on front axie (Unladen) / rear axie (Unladen)         3039 lb / 1367 lb           3.1         Tires type         Solid tires           3.2         Dimensions of front wheels         15x.4 se           3.2         Dimensions of front wheels         2           3.5         Number of front wheels / rear wheels         2           3.5         Number of front wheels / rear wheels         1           3.7         Pear wheel gauge         b10         36 in           3.7         Rear wheel gauge         b10         36 in           4.7         Height of towing bar (coupling height)         h6         80 in           4.8         Seat height/ stand height         h7         39 in           4.1         Height of towing bar (coupling height)         h10         20 in           4.2         Length of face of forks         11         117 in           4.2         Fork carriage [SO 2328 (class/form) A/8         <	
Neelbase   Serice weight   Serice weight or front axie (laden) / rear axie (laden)   Serice weight or front axie (Unladen)   Serice weight or front axie (Unladen) / Serice weight or front wheels   Serice weight or front wheels   Serice weight or front wheels   Serice weight or for this weight or for this weight or for this weight or for this weight or for wheels   Serice weight or for this weight or for wheels   Serice weight or for this weight or for t	
2.1         Service weight         6878 lb           2.2         Weight on front axle (laden) / rear axle (Unladen)         9039 lb / 1367 lb           2.3         Weight on front axle (Unladen) / rear axle (Unladen)         3175 lb / 3704 lb           Wheels         5         3175 lb / 3704 lb           3.1         Tires type         Solid tires           3.2         Dimensions of front wheels         15x4,58           3.5         Number of front wheels / rear wheels         2           3.5         Number of drive wheels         2           3.6         Front wheel gauge         b10         36 in           3.7         Rear wheel gauge         b10         36 in           3.7         Rear wheel gauge         b10         3 in           4.7         Height of towing bar (copling height)         h6         80 in           4.8         Seat height/stand height         h10         20 in           4.19         Overall width         h1         11 in 117 in           4.20         Length to face of forks         12         75 in           4.21         Overall width / length         1         11 in x 4 in x 42 in           4.22         Forks section / width / length         s / x / 1         1 in x 4 in x 42 in <td></td>	
2.2       Weight on front axle (laden) / rear axle (Unladen)       9039 lb / 1367 lb         2.3       Weight on front axle (Unladen) / rear axle (Unladen)       3175 lb / 3704 lb         Weight on front axle (Unladen) / rear axle (Unladen)       Solid tires         3.1       Tires type       Solid tires         3.2       Dimensions of front wheels       18x7-8         3.5       Number of front wheels / rear wheels       2 / 1         3.5       Number of drive wheels       2         3.6       Front wheel gauge       b10       36 in         3.7       Rear wheel gauge       b10       36 in         4.7       Height of overhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of towelp bag (coupling height)       h10       20 in         4.19       Overall length       11       117 in         4.20       Length to face of forks       12       75 in         4.21       Overall width (rength       s / e / 1       11x x 4in x 42 in         4.22       Fork section / width / length       s / e / 1       11x x 4in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       b3       39 in	
Winels         Solid tires           3.1         Tires type         Solid tires           3.2         Dimensions of front wheels         18x7-8           3.3         Dimensions of rear wheels         2 / 1           3.5         Number of front wheels / rear wheels         2 / 1           3.5.2         Number of drive wheels         5 / 2           3.6         Front wheel gauge         b10         36 in           3.7         Rear wheel gauge         b11         7 in           4.7         Height of overhead guard (cabin)         h6         80 in           4.8         Seat height stand height         h7         39 in           4.1         Height of towing bar (coupling height)         h10         20 in           4.12         Height of forks         12         75 in           4.12         Height of forks         12         75 in           4.20         Length force of forks         12         75 in           4.21         Overall width         b1         43 in           4.22         Fork section / width / length         5 / 4         11 in x 4 in x 42 in           4.23         Fork carriage k10 232 (class/form) A/B         5         3 39 in           4.24	
3.1       Tires type       Solid tires         3.2       Dinnesions of front wheels       18x7-8         3.3       Dinnesions of rear wheels       15x4,5-8         3.5       Number of front wheels / rear wheels       2 / 1         3.5       Number of front wheel gauge       b10       36 in         3.6       Front wheel gauge       b10       36 in         3.7       Rear wheel gauge       b10       7 in         4.7       Height of overhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of overhead guard (coupling height)       h10       20 in         4.19       Overall length       h10       20 in         4.20       Length to face of forks       12       75 in         4.21       Overall width       b1       43 in         4.22       Fork carriage ISO 2328 (class/form) A/B       s / e / l       11 in x 4 in x 4 in         4.23       Fork carriage width       b3       39 in         4.31       Ground clearance at centre of wheelbase       m2       4 in         4.33       Asile Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34	
3.2         Dimensions of front wheels         18x7-8           3.3         Dimensions of fear wheels         15x4,5-8           3.5         Number of front wheels / rear wheels         2 / 1           3.5         Number of drive wheels         2           3.6         Front wheel gauge         b10         36 in           3.7         Rear wheel gauge         b11         7 in           Dimensions           4.7         Height of overhead guard (cabin)         h6         80 in           4.8         Seat height/stand height         h7         39 in           4.12         Height of towing bar (coupling height)         h10         20 in           4.19         Overall length         11         117 in           4.20         Length to face of forks         12         75 in           4.21         Overall width         b1         43 in           4.22         Fork carriage section / width / length         \$ / e/1         1 in x 4 in x 42 in           4.23         Fork carriage width         5 / e/1         1 in x 4 in x 42 in           4.24         Fork carriage width         5 / g         3 / g           4.31         Ground clearance at centre of wheelbase         m2         4 in <td></td>	
3.3       Dimensions of rear wheels       15x4,5-8         3.5       Number of front wheels / rear wheels       2 / 1         3.5.2       Number of drive wheels       2         3.6       Front wheel gauge       b10       36 in         3.7       Rear wheel gauge       b11       7 in         Dimensions         4.7       Height of overhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of towing bar (coupling height)       h10       20 in         4.19       Overall length       11       117 in         4.20       Length to face of forks       12       75 in         4.21       Overall width / length       5 / 2       1 in x 4 in x 42 in         4.22       Forks caction / width / length       \$ / 2       2 A         4.23       Fork carriage ISO 2328 (class/form) A/B       \$ / 2       2 A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance at centre of wheelbase       m1       4 in         4.32       Ground clearance at centre of wheelbase       Ast       127 in         4.34       Aisle width for pallets 1000 x 1200	
3.5       Number of front wheels / rear wheels       2 / 1         3.6       Front wheel gauge       b10       36 in         3.7       Rear wheel gauge       b11       7 in         Dimensions         4.7       Height of ownhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of towing bar (coupling height)       h10       20 in         4.19       Overall length       11       117 in         4.20       Length to face of forks       12       75 in         4.21       Overall width       b1       43 in         4.22       Forks section / width / length       5 / e/1       1 in x 4 in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       3 g in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       127 in         4.35 <t< td=""><td></td></t<>	
3.5.2       Number of drive wheels       2         3.6       Front wheel gauge       b10       36 in         3.7       Rear wheel gauge       b11       7 in         Dimensions         4.7       Height of owerhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of towing bar (coupling height)       11       117 in         4.20       Length to face of forks       12       75 in         4.21       Overall length       b1       43 in         4.22       Forks section / width / length       b1       43 in         4.23       Fork carriage ISO 2328 (class/form) A/B       s / e / l       1 in x 4 in x 42 in         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       127 in         4.35       Turning radius       7       4       11 <t< td=""><td></td></t<>	
3.6       Front wheel gauge       b10       36 in         3.7       Rear wheel gauge       b11       7 in         Dimensions         4.7       Height of owerhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of towing bar (coupling height)       h10       20 in         4.19       Overall length       11       117 in         4.20       Length to face of forks       12       75 in         4.21       Overall width       b1       43 in         4.22       Fork section / width / length       \$ / e/I       1 in x 4 in x 42 in         4.23       Fork carriage BSO 2328 (class/form) A/B       \$ / e/I       1 in x 4 in x 42 in         4.24       Fork carriage width       53       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       122 in         4.35       Turning radius	
Rear wheel gauge       bin 7 in         Dimensions         4.7       Height of overhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of towing bar (coupling height)       h10       20 in         4.19       Overall length       11       117 in         4.20       Length to face of forks       12       75 in         4.21       Overall width       b1       43 in         4.22       Fork section / width / length       \$ re/1       1 in x 4 in x 42 in         4.23       Fork carriage Width       \$ 7       39 in         4.24       Fork carriage width       \$ 8       9       2A         4.24       Fork carriage width       \$ 3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       127 in         4.35       Turning radius       Wa       61 in         P	
Dimensions         Image: Company of Company	
4.7       Height of overhead guard (cabin)       h6       80 in         4.8       Seat height/stand height       h7       39 in         4.12       Height of towing bar (coupling height)       h10       20 in         4.19       Overall length       I1       117 in         4.20       Length to face of forks       I2       75 in         4.21       Overall width       b1       43 in         4.22       Fork section / width / length       s / e / l       1 in x 4 in x 42 in         4.23       Fork carriage kiO2 328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance below mast       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Ferformances       Travel speed (laden / unladen)       10 mph-11 mph         5.1       Travel speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1	
4.8       Seat height/stand height       h7       39 in         4.12       Height of towing bar (coupling height)       h10       20 in         4.19       Overall length       I1       117 in         4.20       Length to face of forks       I2       75 in         4.21       Overall width       b1       43 in         4.22       Forks section / width / length       \$ / e / l       1 in x 4 in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       A isle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       A isle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Turning radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       Umph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.12       Height of towing bar (coupling height)       h10       20 in         4.19       Overall length       l1       117 in         4.20       Length to face of forks       l2       75 in         4.21       Overall width       b1       43 in         4.22       Forks section / width / length       s / e / l       1 in x 4 in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Tavel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.19       Overall length       11       117 in         4.20       Length to face of forks       12       75 in         4.21       Overall width       b1       43 in         4.22       Forks section / width / length       \$ / e / l       1 in x 4 in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.20       Length to face of forks       12       75 in         4.21       Overall width       b1       43 in         4.22       Forks section / width / length       \$ / e / l       1 in x 4 in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.21       Overall width       b1       43 in         4.22       Forks section / width / length       s / e / l       1 in x 4 in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.22       Forks section / width / length       s / e / l       1 in x 4 in x 42 in         4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.23       Fork carriage ISO 2328 (class/form) A/B       2A         4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       A isle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       A isle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.24       Fork carriage width       b3       39 in         4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       A isle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       A isle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.31       Ground clearance below mast       m1       4 in         4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       A isle Width for pallets 1000 x 1200 crossways       A st       127 in         4.34       A isle width for 800 x 1200 pallet lengthways       A st       132 in         4.35       Tuming radius       Wa       61 in         Perfomances         5.1       Tavel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.32       Ground clearance at centre of wheelbase       m2       4 in         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       127 in         4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.34       Aisle width for 800 x 1200 pallet lengthways       Ast       132 in         4.35       Tuming radius       Wa       61 in         Performances         5.1       Travel speed (laden / unladen)       10 mph-11 mph         5.2       Lifting speed (laden / unladen)       1 ft/s-2 ft/s         5.3       Lowering speed (laden / unladen)       2 ft/s-1 ft/s	
4.35     Tuming radius     Wa     61 in       Performances       5.1     Travel speed (laden / unladen)     10 mph-11 mph       5.2     Lifting speed (laden / unladen)     1 ft/s-2 ft/s       5.3     Lowering speed (laden / unladen)     2 ft/s-1 ft/s	
Performances         10 mph-11 mph           5.1         Travel speed (laden / unladen)         10 mph-11 mph           5.2         Lifting speed (laden / unladen)         1 ft/s-2 ft/s           5.3         Lowering speed (laden / unladen)         2 ft/s-1 ft/s	
5.1Travel speed (laden / unladen)10 mph-11 mph5.2Lifting speed (laden / unladen)1 ft/s-2 ft/s5.3Lowering speed (laden / unladen)2 ft/s-1 ft/s	
5.2 Lifting speed (laden / unladen) 1 ft/s-2 ft/s 5.3 Lowering speed (laden / unladen) 2 ft/s-1 ft/s	
5.3 Lowering speed (laden / unladen) 2 ft/s-1 ft/s	
55 D I II (I I I I I I I I I I I I I I I I	
5.5 Drawbar pull (Laden / Unladen) 750 daN / 772 daN	
5.7 Gradeability (laden / unladen) 16 % / 18 %	
5.10         Service brake         Oil bath	
Engine	
6.1 Number of drive motor / Drive motor rating S2 60 min 2 / 4.50 kW	
6.2 Lift motor rating at \$3 15% 8.60 kW	
6.3 Battery according to DIN 43531/35/36 A, B, C DIN43531 A	
6.4 Battery voltage / capacity 48 V / 575 Ah	
6.6 Energy consumption according to VDI cycle (kWh/h) 4.30 kWh/h	
Miscellaneous	
8.1 Type of drive control Electronic	
8.2 Working hydraulic pressure for attachments 2611 PSI	
8.3 Oil flow rate for attachments 9 US gpm	
8.4 Measured/guaranteed mean noise level at the ear of the operator <70 dB	
8.4 Sound level at the driver's ear according to DIN 12 053 70 dB	

## ME 316 US - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 27	FVD 30	FVD 33	FVD 36	FVD 40	FVD 43	FVD 45
α - Mast/fork carriage tilt, forward	۰	5.50	5.50	5.50	5.50	3.50	3.50	3.50
β - Mast/fork carriage tilt, backward	۰	6	6	6	6	5	5	5
h1 - Mast lowered height	in	72.6	78.5	84.4	90.4	100.2	106.7	111
h2 - Mast free lift	in	5.7	5.7	5.7	5.7	5.7	5.7	5.7
h3 - Mast lifting height	in	106.3	118.1	129.9	141.7	157.5	169.3	177.2
h4 - Mast extended height	in	128.5	140.4	152.2	164	179.7	191.5	199.4
Residual capacity at max height	lb	3527	3527	3527	3527	3527	3527	3307
Residual capacity with integrated side shift at max heigth	lb	3527	3527	3527	3527	3527	3527	3307
Residual capacity with hooked-on side shift at max heigth	lb	3527	3527	3527	3527	3417	3307	3086
Height at max capacity	in	106.3	118.1	129.9	141.7	157.5	169.3	177.2
Height at max capacity with integrated sideshift	in	106.3	118.1	129.9	141.7	157.5	169.3	177.2

Free Lift Duplex (FLD)		FLD 27	FLD 30	FLD 33	FLD 36	FLD 40
α - Mast/fork carriage tilt, forward	۰	5.50	5.50	5.50	5.50	3.50
β - Mast/fork carriage tilt, backward	۰	6	6	6	6	5
h1 - Mast lowered height	in	72.6	78.5	84.4	90.4	100.2
h2 - Mast free lift	in	49.6	55.5	61.4	67.3	77.2
h3 - Mast lifting height	in	106.3	118.1	129.9	141.7	157.5
h4 - Mast extended height	in	129.7	141.5	153.3	165.2	180.9
Residual capacity at max height	lb	3527	3527	3527	3527	3527
Residual capacity with integrated side shift at max heigth	lb	3527	3527	3527	3527	3527
Residual capacity with hooked-on side shift at max heigth	lb	3527	3527	3527	3527	3417
Height at max capacity	in	106.3	118.1	129.9	141.7	157.5
Height at max capacity with integrated sideshift	in	106.3	118.1	129.9	141.7	157.5

Free Lift Triplex (FLT)		FLT 40	FLT 43	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	۰	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
β - Mast/fork carriage tilt, backward	٠	5	5	5	5	5	5	5	5
h1 - Mast lowered height	in	75.2	79.1	81.7	85.6	88.2	94.9	103.3	111.8
h2 - Mast free lift	in	52.2	56.1	58.7	62.6	65.2	71.9	79.1	79.1
h3 - Mast lifting height	in	157.5	169.3	177.2	189	196.9	216.5	236.2	
h4 - Mast extended height	in	180.9	192.7	200.6	212.4	220.3	240	260.8	282.3
Residual capacity at max height	lb	3527	3417	3307	3197	3086	2756	2425	1984
Residual capacity with integrated side shift at max heigth	lb	3527	3417	3307	3197	3086	2756	2425	1984
Residual capacity with hooked-on side shift at max heigth	lb	3307	3197	3086	2976	2866	2535	2205	1764
Height at max capacity	in	157.5	169.3	177.2	189	196.9	216.5	236.2	255.9





## **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