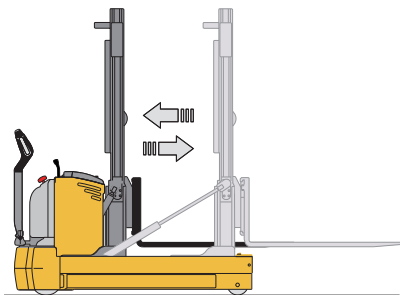


## **Versatile and fast electric forklift truck with tilted forks and retractable mast, ideal for narrow spaces**



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The 716 BLK-R walk behind Forklift trucks with tilted forks combine the agility of a traditional forklift truck with the versatility of a truck with retractable mast. The retractable mast renders this truck ideal for narrow aisles and for loads that cannot be handled by trucks with traditional forks. The various options available for this model, such as the forks support plate provided with tilting system “Tilting Forks” and the lateral forks movement render this forklift truck highly compact and versatile.

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### **Frame**

Made of bended sheet metal to minimise any tensions induced by welds, ensuring maximum stability and best mechanical resistance under any conditions of transport and storage. The configuration with three support points offers unique lateral stability. The highly visible masts and the central tiller ensure optimal visibility for load storage, picking and transport. The battery compartment cover is hinged, facilitating battery top-up and daily and periodical maintenance operations. Particular attention was paid to simplify the access to mechanical parts so as to minimise the routine maintenance costs.

### **Masts**

The OMG masts are made of cold extruded profiles, ensuring high resistance to bending and twisting. The lift cylinders are installed outside of the mast profiles and the chains are protected to ensure perfect visibility and maximum safety. Available in simplex and duplex versions with standard nominal capacities of 1,600 Kg.

### **Electronic system**

716 BLK-R is equipped with highly efficient and reliable DC electronic devices. The controls are equipped with anti roll-back devices which control and check all machine functions and allow unlimited adjustments for

performance optimisation, adapting the truck to the operation to be carried out. All electric drive and braking parameters can be set electronically from a control panel, according to customer's requirements. All models are equipped with timer and battery level indicator with auto-lock function that switches on once 80% of the battery capacity is discharged.

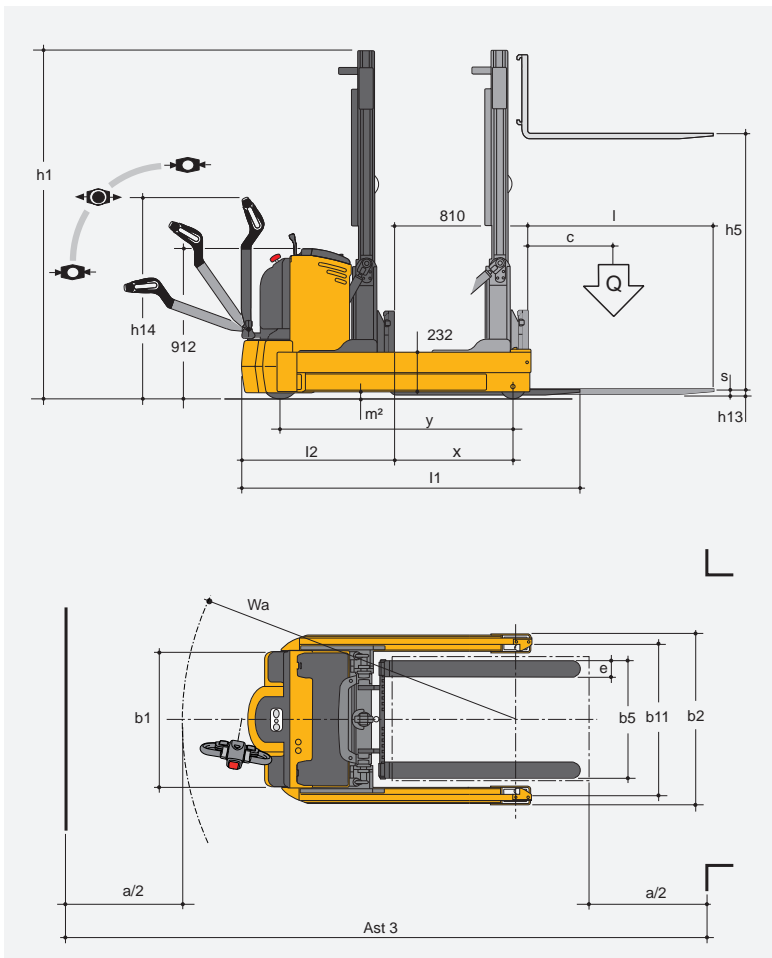
Powerful and reliable DC traction motors, able to satisfy even the most demanding requests for performance, providing the necessary amount of power every time, as the speed of the truck can be adjusted by changing the position of the throttle.

## Drive

|  |   |                                   |   |
|--|---|-----------------------------------|---|
| total free lift for duplex column                                      | o | automatic battery filling system  | o |
| push-button for low speed operation with tiller raised enabling signal | o | electronic braking system         | s |
| buttons for lifting and lowering                                       | o | electronic speed control          | s |
| joystick for lifting and lowering                                      | o | electromagnetic parking brake     | s |
| setup for cold store   | o | voltmeter-timer, lifting lock 80% | s |
| forks support plate "Tilting Forks"                                    | o | access keypad with pin code       | o |
| 3 <sup>rd</sup> hydraulic way with shifter                             | o | current rectifier on-board        | o |
| servo-assisted tiller  | o |                                   |   |
| s=standard   |   | o=optional                        |   |

| h3       |    | h1    | h4    | h5 (*) | (Q) t |
|----------|----|-------|-------|--------|-------|
| 1,610 sx | mm | 2,110 | 2,110 | 1,565  | 1.6   |
| 2,760 dx | mm | 1,885 | 3,160 | 1,275  | 1.5   |
| 3,060 dx | mm | 2,135 | 3,660 | 1,525  | 1.1   |
| 3,540 dx | mm | 2,385 | 4,160 | 1,775  | 1.0   |

(\*) optional



|  |         |  |                             |        |                                  |       |
|--|---------|--|-----------------------------|--------|----------------------------------|-------|
| Characteristics  | 1.1     | Manufacturer   |                             |        | OMG S.r.l. Single member company |       |
|  | 1.2     | Model  |                             |        | 716 BLK-R                        |       |
|  | 1.3     | Powertrain : E (electric)  |                             |        | E                                |       |
|  | 1.4     | Type of steering : T (tiller) S (steering wheel) A (walk behind) P (stand-on) R (seated) |                             |        | T / A                            |       |
|  | 1.5     | Capacity   | Q                           | t      | 1.6                              |       |
|  | 1.6     | Center of mass   | c                           | mm     | 600                              |       |
|  | 1.8     | Load distance from front axle  | X                           | mm     | 485                              |       |
|  | 1.9     | Wheel centre distance  | Y                           | mm     | 1,400                            |       |
|  | Weights | 2.1  | Truck weight (with battery) |        | kg                               | 1,450 |
| 2.2  |         | Load on wheels (with load)   | front/rear                  | kg     | 1,300 / 140                      |       |
| 2.3  |         | Load on wheels (empty)   | front/rear                  | kg     | 1,730 / 2,880                    |       |
| Wheels - Frame   | 3.1     | Tyres and wheels : plt (polyurethane) vlk (vulkollan)                                    |                             |        | plt                              |       |
|  | 3.2     | Front wheels size  |                             | mm     | 245                              |       |
|  | 3.3     | Rear wheels size   |                             | mm     | 150                              |       |
|  | 3.4     | Stabiliser wheels size   |                             | mm     |                                  |       |
|  | 3.5     | Wheels number : front / rear ( x = drive )   |                             |        | 1x / 2                           |       |
|  | 3.6     | Front track  | b10                         | mm     |                                  |       |
|  | 3.7     | Rear track   | b11                         | mm     | 980                              |       |
| Dimensions   | 4.2     | Lowered mast height  | h1                          | mm     | 2,135                            |       |
|  | 4.3     | Free lift  | h5                          | mm     | /                                |       |
|  | 4.4     | Lifting height   | h3                          | mm     | 3,060                            |       |
|  | 4.5     | Extended mast height   | h4                          | mm     | 3,660                            |       |
|  | 4.9     | Tiller height in travel position (min / max)   | h14                         | mm     | 840 / 1,280                      |       |
|  | 4.15    | Forks lowered height   | h13                         | mm     | 40                               |       |
|  | 4.19    | Overall length   | l1                          | mm     | 2,075                            |       |
|  | 4.20    | Length including fork plates   | l2                          | mm     | 925                              |       |
|  | 4.21    | Overall width  | b1 / b2                     | mm     | 880 / 1,100                      |       |
|  | 4.22    | Forks size   | s / e / l                   | mm     | 35 / 100 / 1,150                 |       |
|  | 4.24    | Forks support plate width  | b3                          | mm     | 760                              |       |
|  | 4.25    | Width over forks   | b5                          | mm     | 750                              |       |
|  | 4.32    | Clearance at mid stroke  | with load                   | m2     | mm                               | 40    |
|  | 4.34    | Working aisle with 800 x 1200 pallet and 800 forking                                     | Ast3                        | mm     | 2,350                            |       |
|  | 4.35    | Turning radius   | Wa                          | mm     | 1,900                            |       |
| Performance  | 5.1     | Translation speed  | with load / empty           | km / h | 5.8 / 6                          |       |
|  | 5.2     | Lifting speed  | with load / empty           | m / s  | 0.12 / 0.18                      |       |
|  | 5.3     | Lowering speed   | with load / empty           | m / s  | 0.45 / 0.40                      |       |
|  | 5.7     | Feasible gradient ( S2 30 min )  |                             | %      |                                  |       |
|  | 5.8     | Max feasible gradient ( S2 5 min )   |                             | %      | 10 / 15                          |       |
|  | 5.10    | Service brake M (mechanical) I (hydraulic) IV (reverse)                                  |                             |        | IV                               |       |
| Motor  | 6.1     | Traction motor, power S2 60 min  |                             | kW     | 2                                |       |
|  | 6.2     | Lift motor, power S3 15%   |                             | kW     | 3                                |       |
|  | 6.3     | Battery as per DIN 43531 / 35 / 36 A, B, C, no   |                             |        | no                               |       |
|  | 6.4     | K5 battery voltage, capacity   |                             | V / Ah | 24 / 300                         |       |
|  | 6.5     | Battery weight ( ± 5 % )   |                             | kg     | 250                              |       |
| Other  | 8.1     | Start control type   |                             |        | MOS DC                           |       |
|  | 8.4     | Noise level at operator's station  |                             | dB (A) | < 70                             |       |
| technical data determined in compliance with VDI 2198  |         |  |                             |        |                                  |       |
| All data and images herein are indicative, OMG S.r.l. Single member company reserves the right to modify the documentation without prior notice. |         |  |                             |        |                                  |       |