

|                     |        |   |                |                 |                 |                 |
|---------------------|--------|---|----------------|-----------------|-----------------|-----------------|
| Distinguishing mark | 1.1    | Manufacturer  |                | HYM             | HYM             | HYM             |
|                     | 1.2    | Model designation   |                | FBCX18-YT2      | FBCX25-YT2      | FBCX35-YT2      |
|                     | 1.3    | Drive: electric(battery or mains), diesel, petrol, fuel gas     |                | Electric        | Electric        | Electric        |
|                     | 1.4    | Operator type: hand, pedestrian, standing, seated, order-picker |                | Seat            | Seat            | Seat            |
|                     | 1.5    | Rated capacity/rated load                                       | Q (kg)         | 1800            | 2500            | 3500            |
|                     | 1.6    | Load centre distance  | c (mm)         | 500             | 500             | 500             |
|                     | 1.8    | Load distance, centre of drive axle to fork                     | x (mm)         | 509             | 586             | 601             |
|                     | 1.9    | Wheelbase (with mast vertical)                                  | y (mm)         | 1880            | 1880            | 1880            |
|                     | Weight | 2.1   | Service weight | kg              | 3935            | 4635            |
| 2.2                 |        | Axle loading, laden front/rear                                  | kg             | 5090/695        | 6250/855        | 7885/975        |
| 2.3                 |        | Axle loading, unladen front/rear                                | kg             | 1594/2391       | 1842/2763       | 2200/3160       |
| Tyres, chassis      | 3.1    | Tyres: Solid rubber, superelastic, pneumatic, polyurethane      |                | pneumatic       | pneumatic       | pneumatic       |
|                     | 3.2    | Tyre size, front  |                | 12-16.5-12PR    | 12-16.5-12PR    | 14-17.5-14PR    |
|                     | 3.3    | Tyre size, rear   |                | 27x10.5-15-14PR | 27x10.5-15-14PR | 27x10.5-15-14PR |
|                     | 3.5    | wheels, number front/rear                                       |                | 2x2             | 2x2             | 2x2             |
|                     | 3.6    | Tread, front  | b10 (mm)       | 1125            | 1250            | 1250            |
|                     | 3.7    | Tread, rear   | b11 (mm)       | 1185            | 1205            | 1205            |

|            |                         |  |                      |             |             |             |
|------------|-------------------------|--|----------------------|-------------|-------------|-------------|
| Dimensions | 4.1                     | Tilt of mast/fork carriage, forward /backward        | $\alpha / \beta$ (°) | 10/12       | 10/12       | 10/12       |
|            | 4.2                     | Height, mast lowered                                 | h1 (mm)              | 2148        | 2235        | 2330        |
|            | 4.3                     | Free lift  | h2 (mm)              | 105         | 160         | 165         |
|            | 4.4                     | Lift   | h3 (mm)              | 3000        | 3000        | 3000        |
|            | 4.5                     | Height, mast extended                                | h4 (mm)              | 4150        | 4180        | 4305        |
|            | 4.7                     | Height of overhead guard(cabin)                      | h6 (mm)              | 2256        | 2256        | 2276        |
|            | 4.8                     | Seat height/stand height                             | h7 (mm)              | 1256        | 1256        | 1275        |
|            | 4.12                    | Towing coupling height                               | h10 (mm)             | 385         | 385         | 385         |
|            | 4.19                    | Overall length                                       | l1 (mm)              | 3980        | 4056        | 4071        |
|            | 4.20                    | Length to face of forks                              | l2 (mm)              | 2910        | 2986        | 3001        |
|            | 4.21                    | Overall width, Std/Dual                              | b1/b2 (mm)           | 1440        | 1590        | 1600        |
|            | 4.22                    | Fork dimensions ISO2331                              | s/e/l (mm)           | 35/100/1070 | 40/122/1070 | 45/125/1070 |
|            | 4.23                    | Fork carriage ISO 2328. Class/type, A/B              |                      | ISO 2       | ISO 2       | ISO 3       |
|            | 4.24                    | Fork carriage width                                  | b3 (mm)              | 1370        | 1370        | 1520        |
|            | 4.31                    | Ground clearance, laden, below mast                  | m1 (mm)              | 240         | 240         | 240         |
|            | 4.32                    | Ground clearance, centre of wheelbase                | m2 (mm)              | 240         | 240         | 260         |
|            | 4.33                    | Load dimension $b_{12} \times \frac{1}{6}$ crossways |                      | 1000*1200   | 1000*1200   | 1000*1200   |
|            | 4.34                    | Aisle width with predetermined load dimensions       | Ast (mm)             | 4780        | 4855        | 4870        |
|            | 4.34.1                  | Aisle width with pallets 1000mm x 1200mm crossways   | Ast (mm)             | 4780        | 4855        | 4870        |
|            | 4.34.2                  | Aisle width with pallets 800mm x 1200mm crossways    | Ast (mm)             | 4780        | 4855        | 4870        |
|            | 4.35                    | Turning radius                                       | Wa (mm)              | 2870        | 2870        | 2870        |
| 4.36       | Internal turning radius | b <sub>13</sub>                                      | 1085                 | 1125        | 1125        |             |

|                  |                |  |                                |             |             |             |      |
|------------------|----------------|--|--------------------------------|-------------|-------------|-------------|------|
| Performance data | 5.1            | Travel speed, laden/unladen                      | km/h                           | 19/19       | 19/19       | 19/19       |      |
|                  | 5.1.1          | Travel speed, laden/unladen, backwards           | km/h                           | 16/16       | 16/16       | 16/16       |      |
|                  | 5.2            | Lifting speed, laden/unladen                     | mm/s                           | 550/580     | 510/540     | 370/390     |      |
|                  | 5.3            | Lowering speed laden/unladen                     | mm/s                           | 450/480     | 450/410     | 450/450     |      |
|                  | 5.6            | Max. drawbar pull laden/unladen                  | N                              | 25000/25000 | 25000/25000 | 25000/19000 |      |
|                  | 5.7            | Gradeability, laden/unladen                      | %                              | 35/35       | 30/30       | 20/20       |      |
|                  | 5.9            | Acceleration time, laden/unladen                 | sec                            | 4.95/4.80   | 5.15/5.00   | 5.35/5.20   |      |
|                  | 5.10           | Service brake                                    |                                | hydraulic   | hydraulic   | hydraulic   |      |
|                  | Electric-Motor | 6.1  | Drive Motor Rating, S2, 60min  | Kw/rpm      | 2300        | 2300        | 2300 |
|                  |                | 6.2  | Lifting motor rating at S3 15% | kW          | 20          | 20          | 20   |
| 6.3              |                | Battery according to DIN 43531/35/36 A, B, C, no |                                | no          | no          | no          |      |
| 6.4              |                | Battery voltage/nominal capacity ( 5hr rate )    | V/Ah                           | 153.6/173   | 153.6/230   | 153.6/230   |      |
| 6.5              |                | Battery weight                                   | kg                             | 300         | 351         | 351         |      |
| Additional data  | 8.1            | Type of drive unit                               |                                | PM AC       | PM AC       | PM AC       |      |
|                  | 10.1           | Operating pressure for attachments               | bar                            | 140         | 140         | 140         |      |
|                  | 10.2           | Oil volume for attachments                       | L                              | 40          | 40          | 40          |      |
|                  | 10.7           | Sound pressure level at the driver's seat        | dB (A)                         | 67.1/67.1   | 68.2/68.2   | 69.3/69.3   |      |
|                  | 10.7.1         | Sound power level during the workcycle           | dB (A)                         | 82.5        | 82.2        | 84.3        |      |
|                  | 10.8           | Towing coupling, type DIN                        |                                | PIN         | PIN         | PIN         |      |