

**TCM**



**DEBUT!**  
3.5t model.

ELECTRIC COUNTERBALANCED FORKLIFT TRUCKS

**FB-VII** SERIES

**1-3.5 ton**

CLASS 1 - SIT-DOWN TYPE

**SPECIFICATIONS**

**STANDARD SPECIFICATIONS**

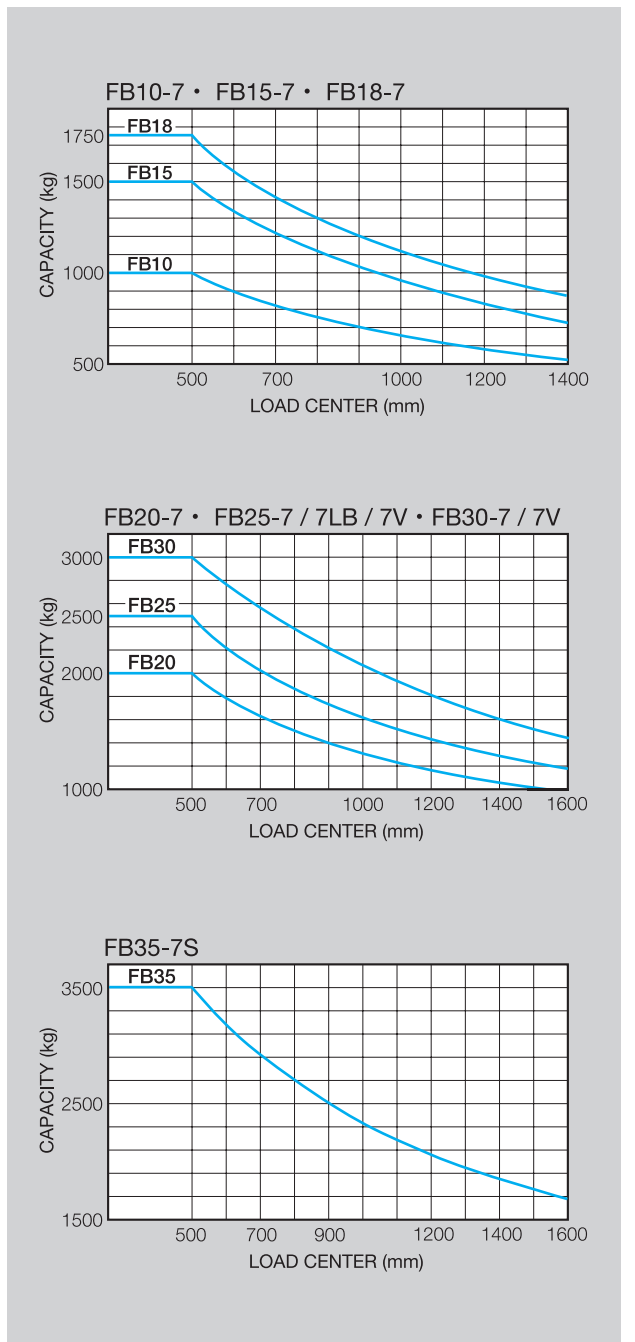
| Characteristics                  |   |  | TCM                                       |                           |                          |                           |            |          |          |      |
|----------------------------------|---|--|---|---------------------------|--------------------------|---------------------------|------------|----------|----------|------|
|                                  |   |  | FB10-7                                    | FB15-7                    | FB18-7                   | FB20-7                    | FB25-7     |          |          |      |
| 1                                | Manufacturer  |  |   |                           |                          |                           |            |          |          |      |
| 2                                | Model   |  |   |                           |                          |                           |            |          |          |      |
| 3                                | Load Capacity   | kg   | 1000                                      | 1500                      | 1750                     | 2000                      | 2500       |          |          |      |
| 4                                | Load Center   | mm   | 500                                       |                           |                          |                           |            |          |          |      |
| 5                                | Power Type  |  | Battery                                   |                           |                          |                           |            |          |          |      |
| 6                                | Control Type  |  | Sit - Down Rider Type                     |                           |                          |                           |            |          |          |      |
| 7                                | Tire Type   | Front / Rear                                       | Pneumatic                                 |                           |                          |                           |            |          |          |      |
| 8                                | Wheels (X = driven)   | Front / Rear                                       | 2 x / 2                                   |                           |                          |                           |            |          |          |      |
| Dimensions                       | 9   | Maximum Fork Height                                | mm  |                           |                          |                           |            |          |          |      |
|                                  | 10  | Free Lift  | mm  | 150                       | 155                      | 160                       |            |          |          |      |
|                                  | 13  | Fork Size  | L x W x T                                 | 920 x 100 x 35            |                          | 1070 x 122 x 40           |            |          |          |      |
|                                  | 14  | Tilt Angle   | Fwd / Bwd                                 | deg                       |                          |                           |            |          |          |      |
|                                  | 15  | Length to Fork Face                                | mm  | 1950                      | 2050                     | 2240                      | 2280       |          |          |      |
|                                  | 16  | Overall Width                                      | mm  | 1070                      |                          | 1150                      |            |          |          |      |
|                                  | 17  | Mast Height Fork Lowered                           | mm  | 1995                      |                          |                           |            |          |          |      |
|                                  | 18  | Overall Height Fork Raised                         | mm  | 4030                      |                          |                           |            |          |          |      |
|                                  | 19  | Overhead Guard Height                              | mm  | 2050 (2110 <sup>4</sup> ) |                          | 2095 (2155 <sup>4</sup> ) |            |          |          |      |
|                                  | 21  | Turning Radius (Outside)                           | mm  | 1700                      | 1790                     | 1950                      | 1970       |          |          |      |
| 22                               | Fork Overhang(Centerline of front axle to front face of forks)            | mm   | 375                                       |                           | 435                      |                           |            |          |          |      |
| 23                               | Right Angle Stacking Aisle with pallet 1100 x 1100mm (clearance = 200 mm) | mm   | 3370                                      | 3460                      | 3685                     | 3705                      |            |          |          |      |
| Performance                      | 24  | Speeds   | Travel Max. <sup>1)</sup><br>(Fwd / Rvs.) | With Load                 | km/h                     | 14.0                      | 13.0       | 13.5     |          |      |
|                                  | Without Load  |  |   | km/h                      | 16.0                     |                           | 15.0       |          |          |      |
|                                  | 25  | Lifting <sup>1)</sup>                              | With Load                                 | mm/s                      | 390                      | 350                       | 330        | 290      | 225      |      |
|                                  |   |  |   | Without Load              | mm/s                     | 580                       |            | 510      |          |      |
|                                  | 26  | Lowering   | With Load                                 | mm/s                      | 430                      |                           | 450        |          |          |      |
| Without Load                     |   |  |   | mm/s                      | 565                      |                           | 550        |          |          |      |
| 27                               | Max. Drawbar Pull <sup>2)</sup>   | momentary / continuous                             | kN  | 7.5 / 3.0                 |                          | 8.9 / 3.5                 |            |          |          |      |
| 29                               | Gradeability <sup>2)</sup>  | with / without Load                                | %   | 14.3 / 20.0               |                          | 14.3 / 16.7               |            |          |          |      |
| Weight                           | 32  | Total Weight (without battery)                     | kg  | 2000                      | 2015                     | 2155                      | 2640       | 2935     |          |      |
|                                  | 33  | Weight Distribution<br>(with STD capacity battery) | With Load                                 | Front                     | kg                       | 2850                      | 3645       | 4170     | 4580     | 5440 |
|                                  |   |  |   | Rear                      | kg                       | 800                       | 565        | 580      | 890      | 910  |
|                                  | 34  |  | Without Load                              | Front                     | kg                       | 1150                      | 1120       | 1290     | 1460     | 1440 |
| Rear                             |   |  |   | kg                        | 1500                     | 1590                      | 1710       | 2010     | 2410     |      |
| Chassis                          | 35  | Tires  | Number                                    | Front / Rear              | 2 / 2                    |                           |            |          |          |      |
|                                  | Size  |  | Front                                     | 6.00 - 9 - 10PR           | 6.00-9-12PR              | 21 x 8 - 9 - 16PR         |            |          |          |      |
|                                  | 37  | Rear   | 16 x 6 - 8 - 10PR                         |                           | 18 x 7 - 8 - 14PR        |                           |            |          |          |      |
|                                  | 38  | Wheelbase  | mm  | 1250                      | 1350                     | 1400                      |            |          |          |      |
|                                  | 39  | Tread  | Front                                     | mm                        | 910                      |                           | 955        |          |          |      |
|                                  |   |  | Rear                                      | mm                        | 900                      |                           | 950        |          |          |      |
|                                  | 40  | Ground clearance                                   | at lowest point                           | mm                        | 95                       |                           | 100        |          |          |      |
| 41                               | Frame   |  | mm  | 95                        |                          | 115                       |            |          |          |      |
| 42                               | Brake   | Service  | Hydraulic - Foot pedal                    |                           |                          |                           |            |          |          |      |
| 43                               |   | Parking  | Mechanical - Hand lever                   |                           |                          |                           |            |          |          |      |
| Electric Motors and Control      | 45  | Battery <sup>3)</sup> (STD capacity type)          | Voltage / Capacity(5-hour rating)         | V / AH                    | 48 / 330                 | 48 / 400                  | (48 / 485) | 48 / 450 | 48 / 565 |      |
|                                  | 46  | Weight with case                                   | kg  | 650                       | 695                      | (765)                     | 830        | 915      |          |      |
|                                  | 47  | Electric Motors                                    | Drive motor(AC)                           | kW / 3min.                | 11.5                     |                           | 13.1       |          |          |      |
|                                  |   |  | Hydraulic motor(DC)                       | kW / 5min.                | 8.6                      |                           | 9.0        |          |          |      |
|                                  | 48  | Steering motor(DC)                                 | kW / 60min.                               | 0.35                      |                          | 0.55                      |            |          |          |      |
|                                  |   |  | Drive                                     | MOS-FET inverter          |                          |                           |            |          |          |      |
|                                  | 54  | Control Type                                       | Load handling                             | MOS-FET chopper           |                          |                           |            |          |          |      |
| Power steering                   |   |  | IGBT chopper                              |                           |                          |                           |            |          |          |      |
| Operating Pressure <sup>5)</sup> |   |  | For Attachment                            | MPa(kg/cm <sup>2</sup> )  | 14.2 (145) <sup>5)</sup> | 15.7 (160) <sup>5)</sup>  | 17.2 (175) |          |          |      |

NOTE: 1) Above figures are measured at "Super-mode" operation 2) Computed Values 3) Batteries are optional equipment 4) For European and Scandinavian export trucks 5) Fingertip control - 17.2MPa(175kg/cm<sup>2</sup>)

**STANDARD SPECIFICATIONS**

|  |  | TCM                     |                      |                           |                 |                           |
|--|--|-------------------------|----------------------|---------------------------|-----------------|---------------------------|
|  |  | FB25-7LB                | FB25-7V              | FB30-7                    | FB30-7V         | FB35-7S                   |
|  |  | 2500                    | 3000                 |                           | 3500            |                           |
|  |  | 500                     |                      |                           |                 |                           |
|  |  | Battery                 |                      |                           |                 |                           |
|  |  | Sit - Down Rider Type   |                      |                           |                 |                           |
|  |  | Pneumatic               |                      | Pneumatic/SE              |                 |                           |
|  |  | 2 x / 2                 |                      |                           |                 |                           |
|  |  | 3000                    |                      |                           |                 |                           |
|  |  | 160                     | 165                  |                           | 150             |                           |
|  |  | 1070 x 122 x 40         | 1070 x 125 x 45      |                           | 1070 x 150 x 50 |                           |
|  |  | 6 / 12                  |                      |                           | 6 / 10          |                           |
|  |  | 2385                    | 2510                 |                           | 2765            |                           |
|  |  | 1150                    | 1225                 |                           | 1380            |                           |
|  |  | 1995                    | 2075                 |                           | 2085            |                           |
|  |  | 4030                    | 4260                 |                           | 4265            |                           |
|  |  | 2250                    | 2100                 | 2190 (2250 <sup>4</sup> ) | 2100            | 2190 (2250 <sup>4</sup> ) |
|  |  | 2065                    | 2140                 |                           | 2360            |                           |
|  |  | 435                     | 480                  |                           | 530             |                           |
|  |  | 3800                    | 3920                 |                           | 4185            |                           |
|  |  | 13.0                    | 13.5                 |                           | 12.5            |                           |
|  |  | 14.5                    | 15.0                 |                           | 14.0            |                           |
|  |  | 255                     | 290                  |                           | 230             |                           |
|  |  | 510                     | 490                  |                           | 400             |                           |
|  |  | 450                     |                      |                           |                 |                           |
|  |  | 550                     |                      |                           |                 |                           |
|  |  | 8.9 / 3.5               |                      | 10.0 / 4.0                |                 |                           |
|  |  | 12.5 / 16.7             |                      | 10.0 / 16.7               |                 |                           |
|  |  | 2900                    | 2900                 | 3530                      | 4305            |                           |
|  |  | 5760                    | 5730                 | 6770                      | 8000            |                           |
|  |  | 1090                    | 1020                 | 890                       | 1090            |                           |
|  |  | 1740                    | 1710                 | 1885                      | 2480            |                           |
|  |  | 2610                    | 2540                 | 2775                      | 3100            |                           |
|  |  | 2 / 2                   |                      |                           |                 |                           |
|  |  | 21 x 8 - 9 - 16PR       |                      | 28 x 9 - 15 - 14PR        |                 | 250 - 15 - 16PR           |
|  |  | 18 x 7 - 8 - 14PR       |                      | 18 x 7 - 8 - 14PR         |                 | 18 x 7 - 8 (SE)           |
|  |  | 1545                    | 1600                 |                           | 1800            |                           |
|  |  | 955                     | 1000                 |                           | 1140            |                           |
|  |  | 950                     |                      |                           |                 |                           |
|  |  | 100                     | 110                  |                           |                 |                           |
|  |  | 115                     | 120                  |                           |                 |                           |
|  |  | Hydraulic - Foot pedal  |                      |                           |                 |                           |
|  |  | Mechanical - Hand lever |                      |                           |                 |                           |
|  |  | 48 / 935                | 48 / 865             | 72 / 450                  | 72 / 545        |                           |
|  |  | 1450                    | 1350                 | 1130                      | 1285            |                           |
|  |  | 13.1                    | 17.3                 |                           |                 |                           |
|  |  | 9.0                     | 14.0 (3-min. rating) |                           |                 |                           |
|  |  | 0.55                    |                      |                           |                 |                           |
|  |  | MOS-FET inverter        |                      |                           |                 |                           |
|  |  | MOS-FET chopper         |                      |                           |                 |                           |
|  |  | IGBT chopper            |                      |                           |                 |                           |
|  |  | 17.2 (175)              |                      |                           |                 |                           |

**LOAD CHART**



NOTES: ● Meets following major industrial standards and code:  
 ISO 1074 Counter balanced lift trucks, stability & safety tests  
 ISO 3691 Power industrial trucks-safety code  
 ISO/DIS 3691 Travel & loading interlock  
 ISO 6292 Power industrial trucks brake performance and component strength  
 ISO 6055 Overhead guard  
 JIS D6001 Power industrial trucks - safety code  
 JIS D6011 Industrial trucks - stability & safety tests  
 JIS D6021 Overhead guard  
 JIS D6023 Industrial trucks brake performance & Safety tests  
 ● In conformity with provision of the Machinery Directive 98/37/EC, as amended, and with National implementing legislation (for EXE/EXN configuration)



## WIDE VIEW MAST

### Wide View Mast VM

| Mast Model | Capacity at 500mm : Load Center |      | Max. Fork Height | Overall Mast Height |                      | Tilting Angle | Service Weight (with battery) |
|------------|---------------------------------|------|------------------|---------------------|----------------------|---------------|-------------------------------|
|            | FB35-7S                         |      |                  | Lowered             | Raised with Backrest |               |                               |
|            | kg                              | mm   |                  |                     |                      |               |                               |
| VM200      | 3500                            | 2000 | 1585             | 3030                | 6-10                 | 5480          |                               |
| VM250      | 3500                            | 2500 | 1835             | 3530                | 6-10                 | 5535          |                               |
| VM270      | 3500                            | 2700 | 1935             | 3730                | 6-10                 | 5555          |                               |
| VM300      | 3500                            | 3000 | 2085             | 4030                | 6-10                 | 5590          |                               |
| VM330      | 3500                            | 3300 | 2235             | 4330                | 6-10                 | 5620          |                               |
| VM350      | 3500                            | 3500 | 2335             | 4530                | 6-10                 | 5640          |                               |
| VM370      | 3500                            | 3700 | 2435             | 4730                | 6-6 *6-10            | 5665          |                               |
| VM400      | 3500                            | 4000 | 2635             | 5030                | 6-6 *6-10            | 5755          |                               |
| VM450      | 3250 *3500                      | 4500 | 2885             | 5530                | 6-6 *6-10            | 5805          |                               |
| VM500      | 3050 *3250                      | 5000 | 3135             | 6030                | 6-6 *6-6             | 5860          |                               |
| VM550      | *3050                           | 5500 | 3435             | 6530                | *3-6                 | 5970          |                               |
| VM600      | *2850                           | 6000 | 3685             | 7030                | *3-6                 | 6025          |                               |

NOTE: Rated capacity with (\*): Shows capacity with front dual tires.

### Wide View Full Free 3-stage Mast VFHM

| Mast Model | Capacity at 500mm : Load Center |      | Max. Fork Height | Overall Mast Height |                      | Free lift with Backrest | Tilting Angle | Service Weight (with battery) |
|------------|---------------------------------|------|------------------|---------------------|----------------------|-------------------------|---------------|-------------------------------|
|            | FB35-7S                         |      |                  | Lowered             | Raised with Backrest |                         |               |                               |
|            | kg                              | mm   |                  |                     |                      |                         |               |                               |
| VFHM360    | 3400                            | 3600 | 1830             | 4860                | 610                  | 6-6                     | 5800          |                               |
| VFHM400    | 3400                            | 4000 | 1955             | 5260                | 735                  | 6-6                     | 5845          |                               |
| VFHM435    | 3300                            | 4350 | 2080             | 5610                | 860                  | 6-6                     | 5880          |                               |
| VFHM480    | 3200                            | 4800 | 2230             | 6060                | 1010                 | 6-6                     | 5925          |                               |
| VFHM500    | 3100                            | 5000 | 2330             | 6260                | 1110                 | 6-6                     | 5960          |                               |
| VFHM550    | 2500                            | 5500 | 2495             | 6760                | 1275                 | 3-6                     | 6010          |                               |
| VFHM600    | 1600                            | 6000 | 2680             | 7260                | 1460                 | 3-6                     | 6130          |                               |

NOTE: Lifting speed with VFHM mast: (3.5t model) 220mm/s with load. 380mm/s without load. Lowering speed with VFHM mast: (3.5t model) 440mm/s with load. 380mm/s without load.

## BATTERY

### BATTERY SELECTION TABLE (option)

●: Standard capacity type ○,△: High capacity type

| Battery voltage / capacity (5hr)   | Battery case size (inside L x W x H mm) | Model   |         |          |          |          |           |         |           |         |           |   |
|------------------------------------|---|---------|---------|----------|----------|----------|-----------|---------|-----------|---------|-----------|---|
|                                    |   | FB10-7  | FB15-7  | FB18-7   | FB20-7   | FB25-7   | FB25-7LB  | FB25-7V | FB30-7    | FB30-7V | FB35-7S   |   |
| 48 / 330                           | 588 x 968 x 420                         | ●       |         |          |          |          |           |         |           |         |           |   |
| 48 / 400                           | 768 x 1018 x 420                        | ○       | ●       |          |          |          |           |         |           |         |           |   |
| 48 / 450                           | 588 x 968 x 420                         | ○       | ○       |          | ●        |          |           |         |           |         |           |   |
| 48 / 485                           | 753 x 968 x 420                         |         |         |          |          | ●        |           |         |           |         |           |   |
| 48 / 545                           | 653 x 968 x 420                         |         | △       |          |          |          |           |         |           |         |           |   |
| 48 / 545                           | 753 x 968 x 420                         |         |         |          |          |          |           |         |           |         |           |   |
| 48 / 565                           | 768 x 1018 x 420                        |         |         |          | ○        | ●        |           |         |           |         |           |   |
| 48 / 600                           | 768 x 1018 x 420                        |         |         |          | ○        | ○        |           |         |           |         |           |   |
| 48 / 700                           | 833 x 1018 x 420                        |         |         |          | △        | △        |           |         |           |         |           |   |
| 48 / 865                           | 833 x 1018 x 500                        |         |         |          |          |          |           | ●       |           |         |           |   |
| 48 / 935                           | 978 x 1018 x 500                        |         |         |          |          |          |           |         | ●         |         |           |   |
| 72 / 450                           | 883 x 1068 x 420                        |         |         |          |          |          |           |         |           | ●       | ●         |   |
| 72 / 545                           | 978 x 1068 x 420                        |         |         |          |          |          |           |         |           | △       |           | ● |
| Battery weight range (Min.-Max.kg) |   | 600~770 | 695~875 | 845~1050 | 790~1100 | 870~1100 | 1290~1470 |         | 1130~1290 |         | 1245~1325 |   |

NOTE △: Battery case, bonnet, side panels and relative individual components are changed as compared with standard capacity type.

## DIMENSIONS

RASA = ⑳ + ㉑ + ㉒ + a (a=200mm)

| Ground-clearance (mm) | FB10-7<br>FB15-7<br>FB18-7 | FB20-7<br>FB25-7 | FB25-7LB<br>FB25-7V | FB30-7<br>FB30-7V | FB35-7S |
|-----------------------|----------------------------|------------------|---------------------|-------------------|---------|
| Mast                  | 105                        | 110              | 110                 | 140               | 145     |
| Frame                 | 95                         | 115              | 115                 | 120               | 120     |
| Front axle            | 95                         | 100              | 100                 | 140               | 140     |
| Rear axle             | 115                        | 125              | 110                 | 110               | 110     |
| Counter weight        | 125                        | 135              | 135                 | 135               | 135     |

### STANDARD DIMENSIONS

| MODEL  | FB10-7    | FB15-7    | FB18-7    | FB20-7     | FB25-7     | FB25-7LB<br>FB25-7V | FB30-7<br>FB30-7V | FB35-7S    |
|--|-----------|-----------|-----------|------------|------------|---------------------|-------------------|------------|
|  | mm        | mm        | mm        | mm         | mm         | mm                  | mm                | mm         |
| ① Overall height, fork raised (with backrest)    | 4030      | 4030      | 4030      | 4030       | 4030       | 4030                | 4260              | 4265       |
| ② Maximum fork height                            | 3000      | 3000      | 3000      | 3000       | 3000       | 3000                | 3000              | 3000       |
| ③ Mast height, fork lowered                      | 1995      | 1995      | 1995      | 1995       | 1995       | 2145 (1995)         | 2075              | 2085       |
| ④ Backrest height                                | 1000      | 1000      | 1000      | 1000       | 1000       | 1000                | 1195              | 1220       |
| ⑤ Free lift                                      | 150       | 155       | 155       | 160        | 160        | 160                 | 165               | 150        |
| ⑥ Fork thickness                                 | 35        | 35        | 35        | 40         | 40         | 40                  | 45                | 50         |
| ⑦ Minimum under-clearance                        | 95        | 95        | 95        | 100        | 100        | 100                 | 110               | 110        |
| ⑧ Overall length (with forks)                    | 2875      | 2875      | 2975      | 3315       | 3355       | 3460                | 3580              | 3835       |
| ⑨ Overall length (without forks)                 | 1950      | 1950      | 2050      | 2240       | 2280       | 2385                | 2510              | 2765       |
| ⑩ Fork length                                    | 920       | 920       | 920       | 1070       | 1070       | 1070                | 1070              | 1070       |
| ⑪ Fork overhang                                  | 375       | 375       | 375       | 445        | 445        | 445                 | 480               | 530        |
| ⑫ Wheelbase                                      | 1250      | 1250      | 1350      | 1400       | 1400       | 1545                | 1600              | 1800       |
| ⑬ Rear overhang                                  | 330       | 330       | 330       | 410        | 450        | 410                 | 430               | 435        |
| ⑭ Drawbar height                                 | 390       | 390       | 390       | 440        | 440        | 440                 | 475               | 475        |
| ⑮ Steering wheel height*                         | 1350      | 1350      | 1350      | 1395       | 1395       | 1475                | 1515              | 1515       |
| ⑯ Overhead guard clearance (from face of seat)** | 990       | 990       | 990       | 980        | 980        | 1050 (980)          | 1080 (1000)       | 1080       |
| ⑰ Overall height (overhead guard)**              | 2050      | 2050      | 2050      | 2095       | 2095       | 2250 (2100)         | 2190 (2100)       | 2190       |
| ⑱ Overall width                                  | 1070      | 1070      | 1070      | 1150       | 1150       | 1150                | 1225              | 1380       |
| ⑲ Lateral fork adjustment (outside)              | 200 ~ 920 | 200 ~ 920 | 200 ~ 920 | 245 ~ 1020 | 245 ~ 1020 | 245 ~ 1020          | 250 ~ 1090        | 300 ~ 1200 |
| ⑳ Tread (front)                                  | 910       | 910       | 910       | 955        | 955        | 955                 | 1000              | 1140       |
| ㉑ Tread (rear)                                   | 900       | 900       | 900       | 950        | 950        | 950                 | 950               | 950        |
| ㉒ Fork width                                     | 100       | 100       | 100       | 122        | 122        | 122                 | 125               | 150        |
| ㉓ Outside turning radius                         | 1700      | 1700      | 1790      | 1950       | 1970       | 2065                | 2140              | 2360       |
| ㉔ Minimum intersecting aisle                     | 1690      | 1690      | 1730      | 1895       | 1905       | 1955                | 2050              | 2250       |
| ㉕ Tilt angles (forward-backward)                 | 6°-12°    | 6°-12°    | 6°-12°    | 6°-12°     | 6°-12°     | 6°-12°              | 6°-12°            | 6°-10°     |

NOTE: ( ) for V models \* In Scandinavian export trucks +70mm except V model \*\* In European and Scandinavian export trucks +60mm except V model

### DIMENSIONS WITH FRONT DUAL DRIVE WHEELS (option)

| MODEL                        | FB10-7      | FB15-7      | FB18-7      | FB20-7      | FB25-7      | FB25-7LB<br>FB25-7V | FB30-7<br>FB30-7V | FB35-7S      |
|------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|-------------------|--------------|
| Tire size (front dual)       | 4.50-12-8PR | 4.50-12-8PR | 4.50-12-8PR | 6.00-9-10PR | 6.00-9-10PR | 6.00-9-10PR         | 6.00-15-10PR      | 6.00-15-10PR |
| Service weight               | +40kg       | +40kg       | +40kg       | +70kg       | +70kg       | +70kg               | +18kg             | +0kg         |
|                              | mm          | mm          | mm          | mm          | mm          | mm                  | mm                | mm           |
| ⑱ Overall width              | 1270        | 1270        | 1270        | 1485        | 1485        | 1485                | 1520              | 1520         |
| ⑲ Tread (front)              | 1055        | 1055        | 1055        | 1140        | 1140        | 1140                | 1170              | 1170         |
| ㉓ Outside turning radius     | 1745        | 1745        | 1825        | 1970        | 1995        | 2085                | 2180              | 2400         |
| ㉔ Minimum intersecting aisle | 1780        | 1780        | 1825        | 2035        | 2045        | 2075                | 2160              | 2300         |

## ■ STANDARD EQUIPMENTS AND ACCESSORIES

### [Equipment]

- Anti-roll back system
- Asbestos-free brake
- Brake fluid reservoir tank
- Cylinder type bonnet stay with locking function
- Deluxe suspension seat with safety belt <sup>1)</sup>
- Drawbar device
- Durable overhead guard
- Electric power steering (EPS)
- Fork length:920mm (1-1.8ton), 1070mm (2-3.5ton)
- ITA Class II, III carriage
- Level gauge for hydraulic oil
- Lift circuit cut-off valve
- Load backrest (BRE)
- Load check valve
- Regenerative braking system
- Return hydraulic filter
- Rib-tug tires
- Shock less lift-cylinder
- Suction hydraulic strainer
- Tilt adjustable steering post
- Tilt lock valve
- Traveling interlock system <sup>2)</sup>
- Wide view mast
- 2-spool control valve with pressure relief valve

### [Controls]

- Electric controlled direction change lever
- Lift and tilt levers
- Parking brake system with inter-lock
- Power mode (Super / Power / Economy) select switch
- Speed control (SC) switch
- Turn signal lights with self-cancelling mechanism

### [Accessories]

- Back-up buzzer
- Document clip
- Document holder
- Electric horn
- Front combination lights (turn signal, clearance)
- Head lights
- Hand grip
- High-mounted rear combination lights (tail, brake, back-up, turn signal and reflector)
- Large rubber floor mat
- Operator tool kit
- Side view mirrors

### [Instruments and Switch]

- Combined type switch lever (lighting & turn signal)
- Main key switch (LCD digital display)
- Battery charge / discharge level indicator
- Battery discharge warning indicator
- Contoroller overheat warning indicator
- Drive motor overheat warning indicator
- Hourmeter
- Neutral indicator & safety warning
- Ope. Seat switch
- Parking brake indicator
- Power mode (Super / Power / Economy) indicator
- Self-diagnostic function display
- Speed control (SC) operating indicator
- Speedometer (SM)

## ■ OPTIONAL LOADING ATTACHMENTS

- Bale clamp (LG)
- Fork extension sleeves (EF)
- Fork positioner (hydraulic, manual type) (FS, FSM)
- High, wide type load backrest
- Load push-pull (PPC)
- Load stabilizer (STA)
- Long forks (LF)
- Rotating forks (hook-on, integral type) (RF)
- Rotating paper roll clamp (PR)
- Side shift (hook-on, integral type) (SS)
- Sleeve-in hook
- Turna fork
- Wide type fork carriage (WF)
- Wide view full free 2-stage (VFM) mast
- Wide view full free 3-stage (VFHM) mast

Others on request

## ■ OPTIONAL EQUIPMENTS AND ACCESSORIES

### [Equipment]

- Auto power off system (PAO)
- Auxiliary hyd.valve modules (3SV - 4SV)
- Battery <sup>3)</sup>
- Battery chargers
- Brush sensor for pump motor (BP1)
- Central battery electrolyte refilling system (BCW)
- Central greasing system (CL)
- Cold-storage & fishery package (-35°C, -45°C) (FCS35, FCS45)
- Cold-storage package (-35°C) (CS35)
- Color solid tire (white, green)
- F / R direction lever RH type (LCR)
- Fingertip control (FIT3SV - FIT4SV)
- Fishery industry package (FC)
- Front dual drive wheels
- High profile overhead guard (HGH060) <sup>4)</sup>
- Oil-filled lift cylinder (RTL)
- Solid tires (Unique cushion, Softone)
- Travel & loading interlock system (SIL) <sup>4)</sup>
- Windowshield with wiper (AW071)
- 2-brake pedal configuration (BK2)

### [Accessories]

- Battery container with hoisting bracket
- Buck-up buzzer with volume switch (BBA)
- Center rearview mirror (BMC)
- Chime (buzzer) for forward travelling (TAF)
- Custom coloring paint (P)
- Fire extinguisher (FE)
- Head light guard (HLG)
- Overhead guard canvas (HGC)
- Rear working light (RWL)
- Rotating warning light (red, yellow) (RLR, RLY)
- Rotating warning light linked with back-up buzzer (BBR)
- Rust-proof painting (PRR)
- Steel net (for overhead guard) (HGD)
- Tilt cylinder boots (TLB)

Note : 1) Except V model trucks  
 2) Standard specification for EXC, EXE & EXN configuration  
 3) Refer to the battery selection table  
 4) Standard specification for EXE & EXN configuration

- TCM retains the right to change these products and specifications without incurring any obligation relating to such changes.
- These products and specifications are subject to change without notice.
- Photos and illustrations may or may not include optional equipment and accessories.
- Features and specifications may vary depending on markets.



ISO 9001 Certification (TCM Shiga plant)

ISO 14001 Certification (TCM Shiga plant)

Manufactured by

**TCM**  
**TCM CORPORATION**

1-15-5 Nishi-Shimbashi, Minato-ku,  
 Tokyo 105-0003 Japan  
 TEL: +81-3-3591-8176  
 FAX: +81-3-3591-8152  
 http://www.tcmglobal.net

Distributed by