

8FB30

8FBH30

MAIN VEHICLE SPECIFICATIONS

(March 2018)

| | | | | | |
|----|---|--|-------------------|---------------------|-------------------------|
| 1 | Manufacturer | | | TOYOTA | TOYOTA |
| 2 | Model | | | 8FB30 | 8FBH30 |
| 3 | Load Capacity | kg | | 3000 | 3000 |
| 4 | Load Center | mm | | 500 | 500 |
| 5 | Power Type | | | Battery | Battery |
| 6 | Operator Position | | | Rider Seated | Rider Seated |
| 7 | Tire Type | Front/Rear | | Pneumatic | Pneumatic |
| 8 | Wheels (x = driven) | Front/Rear | | 2x/2 | 2x/2 |
| 9 | Maximum Fork Height (MFH) | mm | | 3000 | 3000 |
| 10 | Free Lift | mm | | 135 | 135 |
| 13 | Fork Size | L x W x T | mm | 1070/120/44 | 1070/120/44 |
| | Fork Spread (Outside) | MAX./MIN. | mm | 1070/240 | 1070/240 |
| 14 | Tilt Range | FWD/BWD | deg | 6/11 | 6/11 |
| 15 | Length to Fork Face | mm | | 2490 | 2635 |
| 16 | Overall Width | mm | | 1240 | 1240 |
| 17 | Mast Lowered Height | mm | | 2020 | 2020 |
| 18 | Mast Extended Height | mm | | 4220 | 4220 |
| 19 | Overhead Guard Height []:Height with Resin Roof | mm | | 2195 | 2195 [2245] |
| 21 | Turning Radius (Outside) | mm | | 2210 | 2355 |
| 22 | Load Distance (Centerline of front axle to front face of forks) | mm | | 485 | 485 |
| | Rear Overhang | mm | | 355 | 355 |
| 23 | Basic Right Angle Stacking Aisle Width (Add load length and clearance) | mm | | 2695 | 2840 |
| | Intersecting Aisle Width | mm | | 2005 | 2070 |
| 24 | Speeds * | Travel, Max. (FWD/RVS) | Full Load | km/h | 14.0/14.0 |
| | | | No Load | km/h | 15.0/15.0 |
| 25 | Lowering | Lifting | Full Load | mm/sec | 320 |
| | | | No Load | mm/sec | 550 |
| 26 | Lowering | Lowering | Full Load | mm/sec | 500 |
| | | | No Load | mm/sec | 500 |
| 27 | Drawbar Pull * | Full Load/ No Load | 3-Minute Ratings | N (kg) | 13060/12630 (1330/1280) |
| | | | 5-Minute Ratings | N (kg) | 13060/12630 (1330/1280) |
| | | | 60-Minute Ratings | N (kg) | 5300/5590 (540/570) |
| 29 | Gradeability * | Full Load/ No Load | 3-Minute Ratings | % (tanθ) | 17/22 |
| | | | 5-Minute Ratings | % (tanθ) | 17/25 |
| | | | 30-Minute Ratings | % (tanθ) | 11/19 |
| 32 | Total Weight | Without Battery | kg | 3690 | 3365 |
| 33 | Weight Distribution (With STD Battery) | Full Load | Front | kg | 6880 |
| | | | Rear | kg | 830 |
| 34 | | No Load | Front | kg | 2090 |
| | | | Rear | kg | 2620 |
| 35 | Tires | Number | Front/Rear | 2/2 | 2/2 |
| 36 | | Size | Front | 28X9-15-14PR (I) | 28X9-15-14PR (I) |
| 37 | | Rear | 6.50-10-10PR (I) | 6.50-10-10PR (I) | |
| 38 | Wheelbase | mm | | 1650 | 1805 |
| 39 | Tread | Front | mm | 1010 | 1010 |
| | | Rear | mm | 965 | 965 |
| | Backrest Height | | | 1220 | 1220 |
| | Overhead Guard Clearance | | | 1035 | 1035 |
| | Counterweight Height | | | 1275 | 1275 |
| | Drawbar Height | | | 340 | 340 |
| | Step Height/Floor Height | | | 515/785 | 515/785 |
| 40 | Underclearance | Mast (Full Load) | mm | 115 | 115 |
| 41 | | Center of Wheelbase (Full Load) | mm | 140 | 140 |
| | | Drive Axle (Full Load) | mm | 155 | 155 |
| | | Steer Axle (No Load) | mm | 180 | 180 |
| | | Counterweight (No Load) | mm | 185 | 185 |
| | | Minimum Under Clearance (Full Load) | mm | 115(Mast) | 115(Mast) |
| | Grade Clearance | Frame | % (tanθ) | 36 | 36 |
| | | Counterweight | % (tanθ) | 95 | 95 |
| 42 | Brake | Service (Foot) | | Hydraulic | Hydraulic |
| 43 | | Parking | | Hand | Hand |
| 45 | Battery | Voltage/Capacity (5-hour rating) | STD High | V/AH 80/370 | 80/565 |
| 46 | | Weight (STD Capacity Type) | | kg | 1020 |
| 47 | Electric Motors | Drive | | kW | 11.9 |
| 48 | | Load Handling | | kW | 14.4 |
| | | Energy Consumption According to VDI Cycle ** | | kWh/h | 5.0 |
| 54 | Control Type | Drive | | Transistor inverter | Transistor inverter |
| | | Load Handling | | Transistor inverter | Transistor inverter |
| 57 | Operating Pressure | For Attachments | Mpa (psi) | 15.7 (2300) | 15.7 (2300) |
| | Sound level at the driver's ear according to EN12053 Uncertainty 4dB(A) | | dB (A) | 69 | 69 |

| | | | |
|---|------------------|-----|-----|
| Vibration in accordance with in EN13059 | m/s ² | 1.5 | 1.5 |
|---|------------------|-----|-----|

NOTE: * Computed values.

** 60 VDI circles/h with Tested Load of 3000 kg.

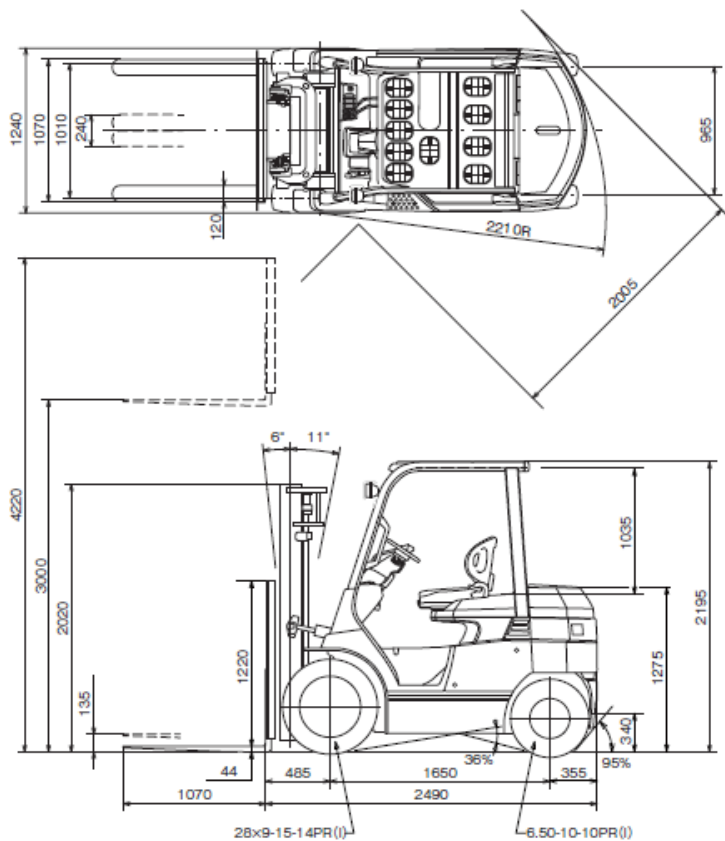
[] with Resin Roof

DIMENSIONAL DRAWINGS

(March 2018)

Unit: mm

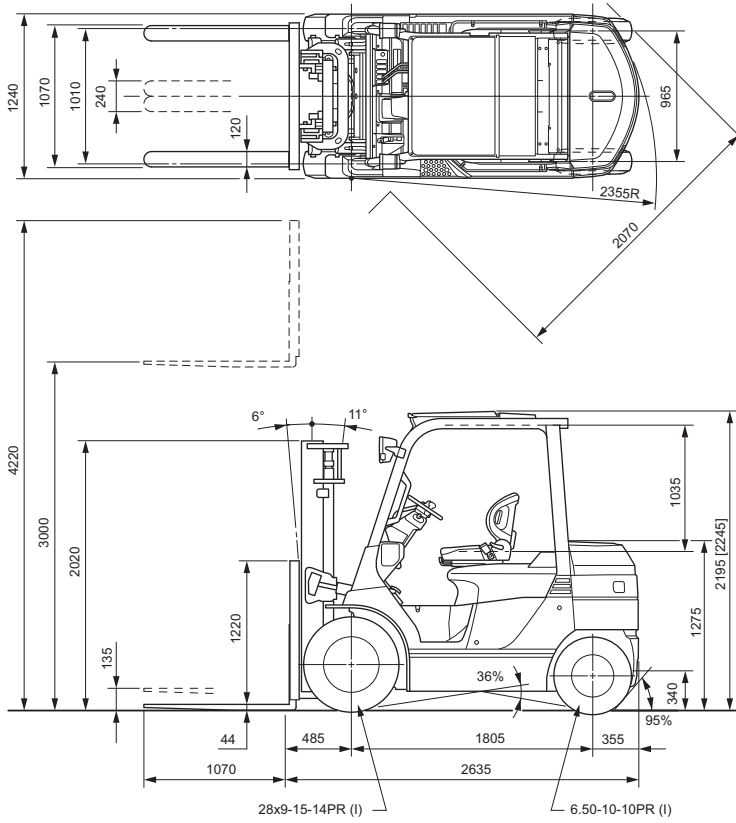
8FB30



UNDERCLEARANCE

| | |
|---------------------------------------|-----------|
| Mast (Full Load)----- | 115 |
| Center of Wheelbase (Full Load)----- | 140 |
| Drive Axle (Full Load)----- | 155 |
| Steer Axle (No Load)----- | 180 |
| Counterweight (No Load)----- | 185 |
| Minimum Underclearance (Full Load)--- | 115(Mast) |

8FBH30



NOTE: [] with Resin Roof (Resin Roof is standard for 8FBH30)

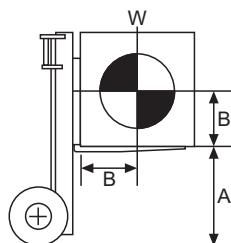
UNDERCLEARANCE

| | |
|---------------------------------------|-----------|
| Mast (Full Load)----- | 115 |
| Center of Wheelbase (Full Load)----- | 140 |
| Drive Axle (Full Load)----- | 155 |
| Steer Axle (No Load)----- | 180 |
| Counterweight (No Load)----- | 185 |
| Minimum Underclearance (Full Load)--- | 115(Mast) |

RATED CAPACITIES

(March 2018)

8FB30/8FBH30



A: Max. Fork Height
B: Load Center
W: Capacity

V, FV Mast

Unit: kg (W)

| A (mm) | 3000 | 3300 | 3500 | 3700 | 4000 | 4500 | 5000 |
|--------|------|------|------|------|------|----------------|----------------|
| B (mm) | 500 | 3000 | 3000 | 3000 | 3000 | 2850 <3000> | 2350 <3000> |
| | 600 | 2720 | 2720 | 2720 | 2720 | 2580 <2720> | 2130 <2720> |
| | 700 | 2490 | 2490 | 2490 | 2490 | 2360 <2490> | 1950 <2490> |
| | 800 | 2290 | 2290 | 2290 | 2290 | 2180 <2290> | 1800 <2290> |
| | 900 | 2130 | 2130 | 2130 | 2130 | 2020 <2130> | 1670 <2130> |
| | 1000 | 1980 | 1980 | 1980 | 1980 | 1880 <1980> | 1550 <1980> |
| | 1100 | 1860 | 1860 | 1860 | 1860 | 1770 <1860> | 1450 <1860> |
| | 1200 | 1750 | 1750 | 1750 | 1750 | 1660 <1750> | 1370 <1750> |
| | 1300 | 1650 | 1650 | 1650 | 1650 | 1570 <1650> | 1290 <1650> |

FSV Mast

Unit: kg (W)

| A (mm) | 3700 | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
|--------|------|------|------|----------------|----------------|----------------|----------------|----------------|
| B (mm) | 500 | 3000 | 3000 | 2800 <3000> | 2800 <3000> | 2400 <2900> | 1900 <2650> | 1450 <2050> |
| | 600 | 2720 | 2720 | 2540 <2720> | 2540 <2720> | 2180 <2630> | 1720 <2400> | 1310 <1860> |
| | 700 | 2490 | 2490 | 2330 <2490> | 2330 <2490> | 1990 <2410> | 1580 <2200> | 1200 <1700> |
| | 800 | 2300 | 2300 | 2150 <2300> | 2150 <2300> | 1840 <2220> | 1450 <2030> | 1110 <1570> |
| | 900 | 2130 | 2130 | 1990 <2130> | 1990 <2130> | 1710 <2060> | 1350 <1880> | 1030 <1460> |
| | 1000 | 1990 | 1990 | 1860 <1990> | 1860 <1990> | 1590 <1920> | 1260 <1760> | 960 <1360> |
| | 1100 | 1870 | 1870 | 1740 <1870> | 1740 <1870> | 1490 <1800> | 1180 <1650> | 900 <1270> |
| | 1200 | 1760 | 1760 | 1640 <1760> | 1640 <1760> | 1400 <1700> | 1110 <1550> | 850 <1200> |
| | 1300 | 1660 | 1660 | 1550 <1660> | 1550 <1660> | 1320 <1600> | 1050 <1460> | 800 <1130> |

NOTE: <> for dual tire models.

SPECIAL TREAD

(March 2018)

| Model | | 8FB30/8FBH30 | | |
|-----------------|-------------|------------------|------------------|------------------|
| Front Tire | Single/Dual | Single | Dual | Dual |
| Front Tire Size | | 28x9-15-14PR (I) | 6.00-15-10PR (I) | 28x8-15-12PR (I) |
| Overall Width | mm | 1240 | 1475 | 1675 |
| Tread, Front | mm | 1010 | 1105 | 1240 |

SPECIAL MAST

(March 2018)

Wide Visible Mast (V), Wide Visible Full-Free Lift Two-Stage Mast (FV), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

| Model | | 8FB30/8FBH30 | | | | | | | | | | | | | |
|--------------|----------|--------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type of Mast | | V | | | | FV | | | | FSV | | | | | |
| PERFORMANCE | | | | | | | | | | | | | | | |
| Power Mode | | H | P | S | E | H | P | S | E | H | P | S | E | | |
| Speeds | Lifting | Full Load | mm/sec | 320 | 230 | 230 | 210 | 300 | 220 | 220 | 195 | 300 | 220 | 220 | 195 |
| | | No Load | mm/sec | 550 | 410 | 410 | 355 | 500 | 380 | 380 | 325 | 500 | 380 | 380 | 325 |
| | Lowering | Full Load | mm/sec | 500 | 500 | 500 | 500 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 |
| | | No Load | mm/sec | 500 | 500 | 500 | 500 | 390 | 390 | 390 | 390 | 420 | 420 | 420 | 420 |

DIMENSIONS

| | | | | |
|--|----|-----|-----|-----|
| Load Distance (Centerline of front axle to front face of forks) | mm | 485 | 485 | 495 |
|--|----|-----|-----|-----|

NOTE: H High power mode / P Power mode / S Standard mode / E Eco mode

MAST SPECIFICATIONS & RATED CAPACITIES

(March 2018)

Wide Visible Mast (V), Wide Visible Full-Free Lift Two-Stage Mast (FV), Wide Visible Full-Free Lift Three-Stage Mast (FSV)

8FB30/8FBH30

| Mast Type | Maximum Fork Height | Overall Height | | | | Free Lift | | Single tire | | | Dual tire | | |
|-----------|---------------------|----------------|-----------------------|-----------------------------|-----------------------|-----------------------------|------------|-------------|----------------------------|------------|-----------|----------------------------|--|
| | | Lowered | Extended | | Without Load Backrest | With Standard Load Backrest | Tilt Range | | Load Capacity at 500 mm LC | Tilt Range | | Load Capacity at 500 mm LC | |
| | | | Without Load Backrest | With Standard Load Backrest | | | FWD | BWD | | FWD | BWD | | |
| mm | mm | mm | mm | mm | mm | deg | deg | kg | deg | deg | kg | | |
| V | 2500 | 1770 | 3220 | 3720 | 135 | 135 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 2700 | 1870 | 3420 | 3920 | 135 | 135 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 3000 | 2020 | 3720 | 4220 | 135 | 135 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 3300 | 2170 | 4020 | 4520 | 135 | 135 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 3500 | 2270 | 4220 | 4720 | 135 | 135 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 3700 | 2430 | 4420 | 4920 | 135 | 135 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 4000 | 2620 | 4720 | 5220 | 135 | 135 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 4500 | 2870 | 5220 | 5720 | 135 | 135 | 6 | 5 | 2850 | 6 | 5 | 3000 | |
| FV | 5000 | 3120 | 5720 | 6220 | 135 | 135 | 6 | 5 | 2350 | 6 | 5 | 3000 | |
| | 3000 | 2020 | 3615 | 4220 | 1405 | 800 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 3300 | 2170 | 3915 | 4520 | 1555 | 950 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 3500 | 2270 | 4115 | 4720 | 1655 | 1050 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| FSV | 3700 | 2430 | 4315 | 4920 | 1815 | 1210 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 4000 | 2620 | 4615 | 5220 | 2005 | 1400 | 6 | 11 | 3000 | 6 | 11 | 3000 | |
| | 3700 | 1920 | 4315 | 4920 | 1305 | 700 | 6 | 5 | 3000 | 6 | 5 | 3000 | |
| | 4000 | 2020 | 4615 | 5220 | 1405 | 800 | 6 | 5 | 3000 | 6 | 5 | 3000 | |
| | 4300 | 2170 | 4915 | 5520 | 1555 | 950 | 6 | 5 | 3000 | 6 | 5 | 3000 | |
| | 4500 | 2220 | 5115 | 5720 | 1605 | 1000 | 6 | 5 | 2800 | 6 | 5 | 3000 | |
| | 4700 | 2270 | 5315 | 5920 | 1655 | 1050 | 6 | 5 | 2800 | 6 | 5 | 3000 | |
| | 5000 | 2430 | 5615 | 6220 | 1815 | 1210 | 6 | 5 | 2400 | 6 | 5 | 2900 | |
| 5500 | 2620 | 6115 | 6720 | 2005 | 1400 | 6 | 5 | 1900 | 6 | 5 | 2650 | | |
| 6000 | 2870 | 6615 | 7220 | 2255 | 1650 | 6 | 5 | 1450 | 6 | 5 | 2050 | | |

NOTE: Height of standard load backrest is 1220 mm.