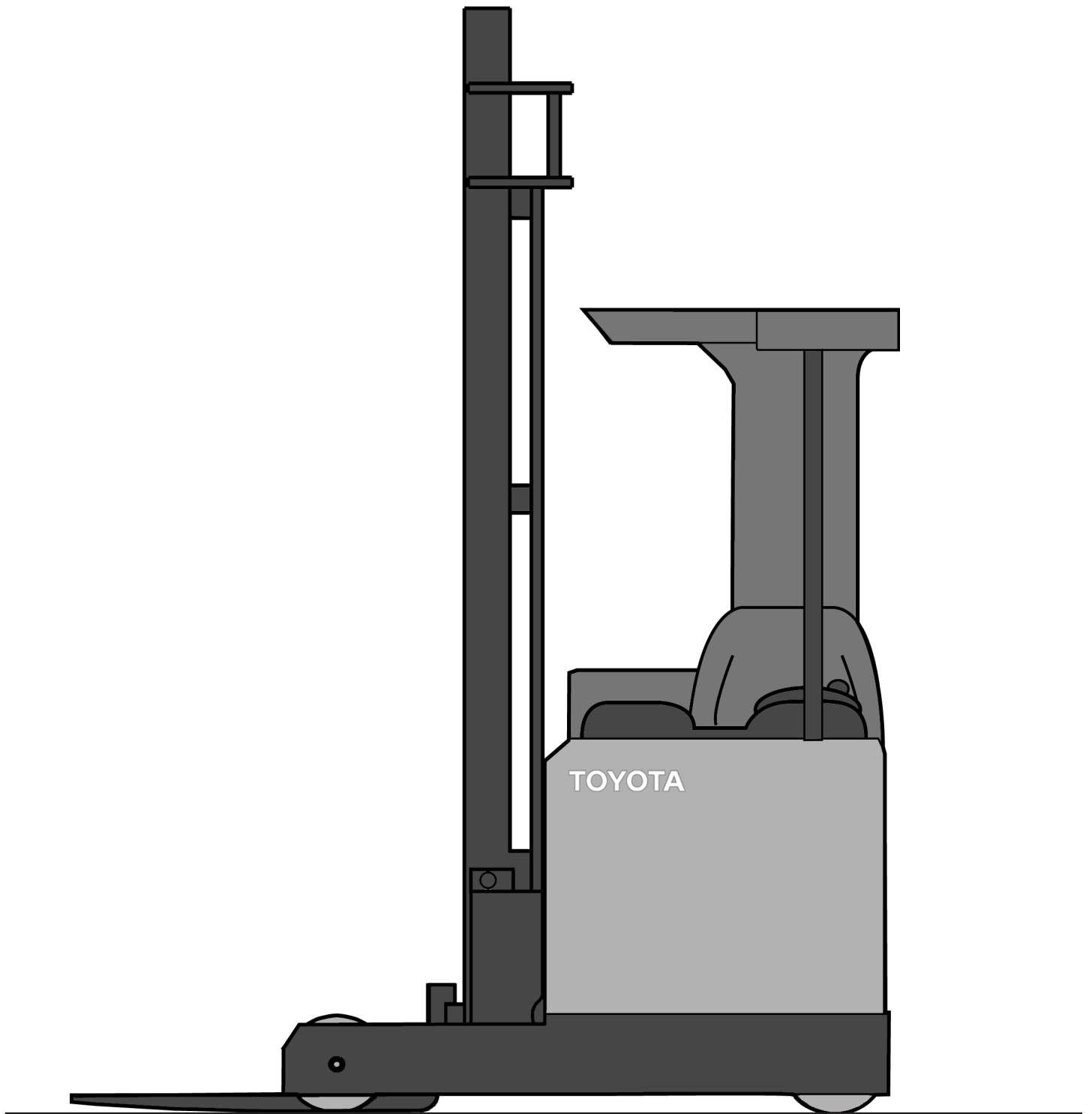


Reach Truck

7FBRE

1.2 to 2.5 ton

Series



1,200 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA
	1.2	Model			7FBRE12N
	1.3	Power			battery
	1.4	Operator Type			seated
	1.5	Load capacity/rated load	Q	kg	1200
	1.6	Load centre	c	mm	600
	1.8	Load distance	x	mm	449 ¹⁾
	1.9	Wheelbase	y	mm	1434
	Weight	2.1	Truck weight		kg
2.2		Axle loading, laden front/rear		kg	1340/3330
2.3		Axle loading, unladen front/rear		kg	1630/1430
Wheels, chassis	3.1	Tyres, front/rear: polyurethane (PE)			PE
	3.2	Tyre size - front		mm	Ø310x120
	3.3	Tyre size - rear		mm	Ø285x85
	3.5	Wheels - number front/rear (x = drive wheel)			1x/2
	3.6	Tread width - front	b ₁₀	mm	0
	3.7	Tread width - rear	b ₁₁	mm	948 ³⁾
	Dimensions	4.1	Tilt of mast, backward/forward		deg
4.2		Height, mast lowered	h ₁	mm	2147
4.3		Free lift	h ₂	mm	1674
4.4		Lift height	h ₃	mm	4800
4.5		Height, mast extended	h ₄	mm	5304
4.7		Height of overheadguard	h ₆	mm	2166
4.10		Height of wheel arms	h ₈	mm	262
4.19		Overall length	l ₁	mm	2332
4.20		Length to front face of forks	l ₂	mm	1182
4.21		Chassis width	b ₁	mm	1120
4.22		Fork dimensions	s/e/l	mm	40/100/1150 ⁴⁾
4.23		Fork carriage DIN 15173, class/type A,B			2A
4.24		Fork carriage width	b ₃	mm	950
4.25		Overall width across forks, min-max	b ₅	mm	250-720 ⁵⁾
4.26		Distance between support arms	b ₄	mm	880
4.28		Reach distance	l ₄	mm	584
4.31		Ground clearance, laden, below mast	m ₁	mm	70 ¹⁾
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	2664 ¹⁾
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	2700 ¹⁾
4.35		Turning radius	W _a	mm	1649
4.37	Length across wheel arms	l ₇	mm	1808	
Performance	5.1	Travel speed laden/unladen		km/h	10.1/11.2
	5.2	Lift speed laden/unladen		m/s	0.29/0.42
	5.3	Lowering speed laden/unladen		m/s	0.47/0.47
	5.4	Reaching speed, laden/unladen		m/s	0.10/0.10
	5.7	Gradeability laden/unladen		%	10/15
	5.9	Acceleration time (0-9 m), laden/unladen		s	5.2/4.6
	5.10	Service brake			electrical
Motor	6.1	Drive motor rating S2 60min		kW	7.5
	6.2	Lift motor rating S3 20%		kW	7.4
	6.4	Battery voltage/nominal capacity		V/Ah	48/310
	6.5	Battery weight		kg	553
	Others	8.1	Drive control		
8.4		Sound level at driver's ear		dB(A)	67

* aisle width calculation based on VDI 2198

¹⁾ based on triplex mast

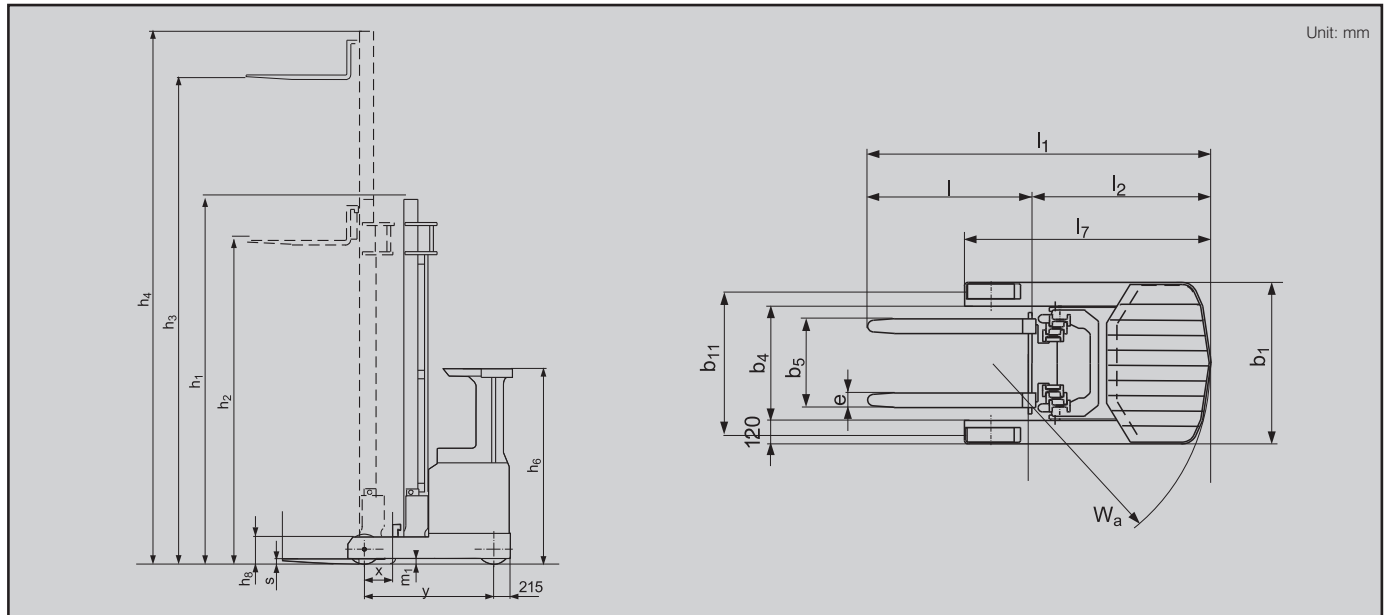
²⁾ for h₃ = 4800 mm and battery weight = 553 kg

³⁾ for b₄ = 880 mm

⁴⁾ other fork lengths available: standard: 1000 mm; non-standard: 600-1600mm

⁵⁾ with sideshift: 250-600mm

DIMENSIONAL DRAWINGS



MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Max fork height h_3 mm	Overall height		Free lift h_2 mm	Load capacity at 600mm LC $b_4 = 880\text{mm}$		
		Lowered height h_1 mm	Extended height h_4 mm		7FBRE12N		
					7FBRE12N (1) kg	7FBRE12N (2) kg	7FBRE12N (3) kg
Duplex Tele	3350	2194	3849	-	1200	1200	1200
	3750	2404	4259	-	1175	1200	1200
	4150	2604	4659	-	1125	1150	1200
Duplex Hilo	3350	2194	3849	1725	1200	1200	1200
	3750	2404	4259	1925	1175	1200	1200
	4150	2604	4659	2125	1125	1150	1200
Triplex Hilo	4150	1930	4654	1457	1125	1150	1200
	4500	2047	5004	1574	1075	1100	1200
	4800	2147	5304	1674	1025	1050	1125
	5400	2347	5904	1874	800	900	1000
	6000	2647	6504	2174	500	600	700

BATTERY COMPARTMENT

LIFT OUT/ROLL OUT BATTERY COMPARTMENT

Dimensions				7FBRE12N		
				1	2	3
1.9	Load distance	x	mm	449 ¹⁾	384 ¹⁾	294 ¹⁾
	without sideshift					
	with sideshift					
4.20	Length to face of forks	l_2	mm	1182	1247	1337
	without sideshift					
	with sideshift					
4.33	Aisle width for pallets 1000x1200 wide	A_{st}	mm	2664	2709	2776
	without sideshift					
	with sideshift					
4.34	Aisle width for pallets 800x1200 long	A_{st}	mm	2700	2758	2839
	without sideshift					
	with sideshift					
6.4	Battery voltage / battery capacity, min-max		V / Ah	48 / 300-310	48 / 360-465	48 / 480-620
6.5	Battery weight, min-max		kg	510-553	610-740	780-955

¹⁾ based on triplex mast

1,400 - 1,600 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA	TOYOTA
	1.2	Model			7FBRE14N	7FBRE16N
	1.3	Power			battery	battery
	1.4	Operator Type			seated	seated
	1.5	Load capacity/rated load	Q	kg	1400	1600
	1.6	Load centre	c	mm	600	600
	1.8	Load distance	x	mm	418	400
	1.9	Wheelbase	y	mm	1434	1434
	Weight	2.1	Truck weight		kg	2593 ¹⁾
2.2		Axle loading, laden front/rear		kg	1300/3930	1580/4685
2.3		Axle loadings unladen front/rear		kg	1690/1640	2003/2118
Wheels, chassis	3.1	Tyres, front/rear: polyurethane (PE)			PE	PE
	3.2	Tyre size - front		mm	Ø310x120	Ø310x120
	3.3	Tyre size - rear		mm	Ø285x85	Ø285x85
	3.5	Wheels - number front/rear (x = drive wheel)			1x/2	1x/2
	3.6	Tread width - front	b ₁₀	mm	0	0
	3.7	Tread width - rear	b ₁₁	mm	948 ²⁾	948 ²⁾
	Dimensions	4.1	Tilt of fork carriage, up/down		deg	+4/-2
4.2		Height, mast lowered	h ₁	mm	2390	2490
4.3		Free lift	h ₂	mm	1749	1849
4.4		Lift height	h ₃	mm	5400	5700
4.5		Height, mast extended	h ₄	mm	6040	6340
4.7		Height of overheadguard	h ₆	mm	2166	2166
4.10		Height of wheel arms	h ₈	mm	262	262
4.19		Overall length	l ₁	mm	2381	2399
4.20		Length to front face of forks	l ₂	mm	1231	1249
4.21		Chassis width	b ₁	mm	1120	1120
4.22		Fork dimensions	s/e/l	mm	40/100/1150 ³⁾	40/100/1150 ³⁾
4.23		Fork carriage DIN 15173, class/type A,B			2A	2A
4.24		Fork carriage width	b ₃	mm	870	870
4.25		Overall width across forks, min-max	b ₅	mm	250-720 ⁴⁾	250-720 ⁴⁾
4.26		Distance between support arms	b ₄	mm	880	880
4.28		Reach distance	l ₄	mm	584	584
4.31		Ground clearance, laden, below mast	m ₁	mm	70	70
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	2685	2698
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	2727	2743
4.35		Turning radius	W _a	mm	1649	1649
4.37	Length across wheel arms	l ₇	mm	1808	1808	
Performance	5.1	Travel speed laden/unladen		km/h	10.1/11.2	10/11.2
	5.2	Lift speed laden/unladen		m/s	0.27/0.42	0.25/0.42
	5.3	Lowering speed laden/unladen		m/s	0.50/0.44	0.50/0.44
	5.4	Reaching speed, laden/unladen		m/s	0.10/0.10	0.10/0.10
	5.7	Gradeability laden/unladen		%	10/15	10/15
	5.9	Acceleration time (0-9 m), laden/unladen		s	5.2/4.6	5.2/4.6
	5.10	Service brake			electrical	electrical
Motor	6.1	Drive motor rating S2 60min		kW	7.5	7.5
	6.2	Lift motor rating S3 20%		kW	7.4	7.4
	6.4	Battery voltage/nominal capacity		V/Ah	48/310	48/310
	6.5	Battery weight		kg	553	553
	Others	8.1	Drive control			TOYOTA Proreach
8.4		Sound level at driver's ear		dB(A)	67	67

* aisle width calculation based on VDI 2198

¹⁾ 7FBRE14N: for h₃ = 5400 mm and battery weight = 553 kg; 7FBRE16N: for h₃ = 5700 mm and battery weight = 553 kg

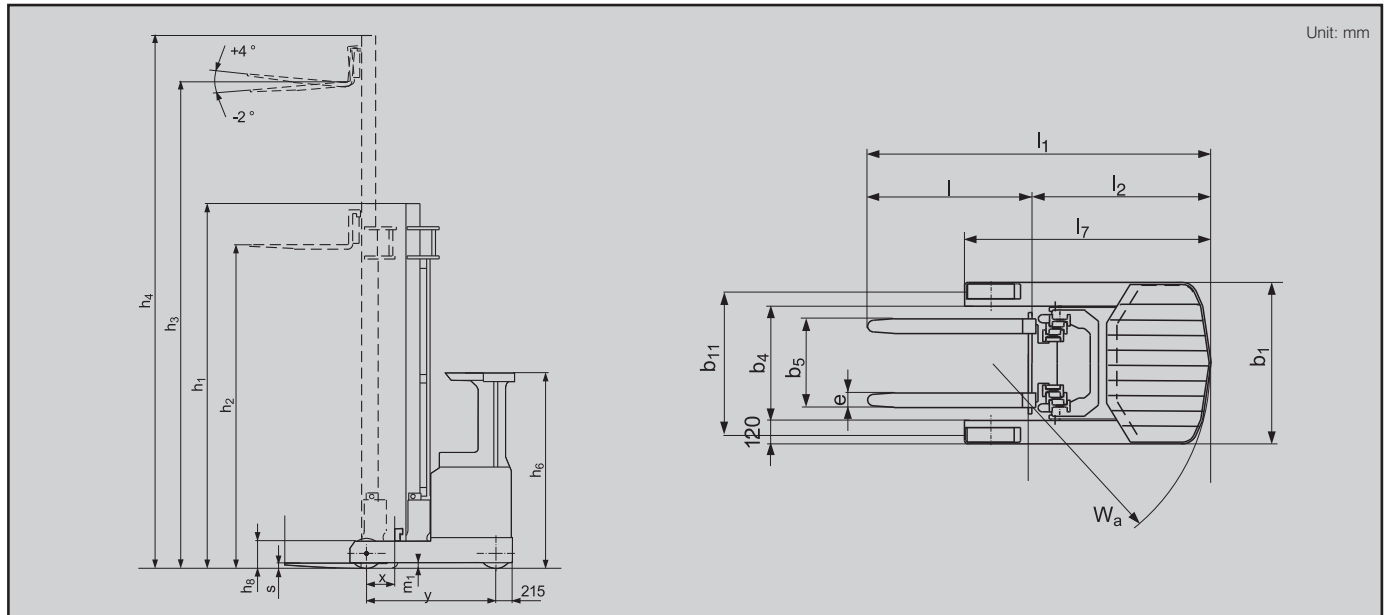
²⁾ for b₄ = 880 mm

³⁾ other fork lengths available: standard: 1000 mm; non-standard: 600-1600mm

⁴⁾ with sideshift: 250-600 mm

7FBRE14N, 7FBRE16N

DIMENSIONAL DRAWINGS



MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Max fork height h_3 mm	Overall height		Free lift h_2 mm	Load capacity at 600mm LC $b_2 = 880\text{mm}$					
		Lowered height h_1 mm	Extended height h_4 mm							
					7FBRE14N (1)	7FBRE14N (2)	7FBRE14N (3)	7FBRE16N (1)	7FBRE16N (2)	7FBRE16N (3)
Triplex Hilo	4400	2057	5040	1416	1250	1350	1400	1480	1530	1600
	4800	2190	5440	1549	1200	1300	1400	1415	1475	1600
	5400	2390	6040	1749	1125	1225	1325	1315	1380	1530
	5700	2490	6340	1849	1075	1200	1275	1265	1335	1480
	6300	2690 ¹⁾	6940	2091	750	1050	1200	1165	1240	1375
	6750	2981	7390	2340	-	-	-	1090	1170	1300
	7000	3064	7640	2423	-	-	-	1050	1130	1255
	7500	3231	8140	2590	-	-	-	965	1055	1170
	8000	3398	8640	2757	-	-	-	880	975	1085
8500	3564	9140	2923	-	-	-	800	900	1000	

¹⁾ for 7FBRE16N: 2732 mm

BATTERY COMPARTMENT

LIFT OUT/ROLL OUT BATTERY COMPARTMENT

Dimensions				7FBRE14N			7FBRE16N		
				1	2	3	1	2	3
1.9	Load distance	x	mm	418	353	263	400	335	245
	without sideshift			380	315	225	362	297	207
	with sideshift			355	290	200	337	272	182
4.20	Length to face of forks	l_2	mm	1231	1296	1386	1249	1314	1404
	with sideshift			1269	1334	1424	1287	1352	1442
4.33	Aisle width for pallets 1000x1200 wide	A_{st}	mm	2685	2731	2799	2698	2745	2813
	without sideshift			2712	2760	2829	2725	2773	2843
	with sideshift			2730	2779	2849	2743	2792	2863
4.34	Aisle width for pallets 800x1200 long	A_{st}	mm	2727	2786	2868	2743	2802	2884
	without sideshift			2761	2820	2903	2778	2837	2920
	with sideshift			2784	2843	2926	2800	2860	2943
6.4	Battery voltage / battery capacity, min-max		V / Ah	48 / 300-310	48 / 360-465	48 / 480-620	48/300-310	48/360-465	48/480-620
6.5	Battery weight, min-max		kg	510-553	610-740	780-955	510-553	610-740	780-955

1,600 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA
	1.2	Model			7FBRE16
	1.3	Power			battery
	1.4	Operator Type			seated
	1.5	Load capacity/rated load	Q	kg	1600
	1.6	Load centre	c	mm	600
	1.8	Load distance	x	mm	435
	1.9	Wheelbase	y	mm	1425
	Weight	2.1	Truck weight		kg
2.2		Axle loading, laden front/rear		kg	1480/4350
2.3		Axle loadings unladen front/rear		kg	1785/1835
Wheels, chassis	3.1	Tyres, front/rear: polyurethane (PE)			PE
	3.2	Tyre size - front		mm	Ø310x120
	3.3	Tyre size - rear		mm	Ø300x100
	3.5	Wheels - number front/rear (x = drive wheel)			1x/2
	3.6	Tread width - front	b ₁₀	mm	0
	3.7	Tread width - rear	b ₁₁	mm	1133/1108/1333/1533 ²⁾
	Dimensions	4.1	Tilt of fork carriage, up/down		deg
4.2		Height, mast lowered	h ₁	mm	2490
4.3		Free lift	h ₂	mm	1849
4.4		Lift height	h ₃	mm	5700
4.5		Height, mast extended	h ₄	mm	6340
4.7		Height of overheadguard	h _e	mm	2166
4.10		Height of wheel arms	h _a	mm	270
4.19		Overall length	l ₁	mm	2355
4.20		Length to front face of forks	l ₂	mm	1205
4.21		Chassis width	b ₁	mm	1270/1270/1470/1670
4.22		Fork dimensions	s/e/l	mm	40/100/1150 ³⁾
4.23		Fork carriage DIN 15173, class/type A,B			2A
4.24		Fork carriage width	b ₃	mm	870
4.25		Overall width across forks, min-max	b ₅	mm	250-718 ⁴⁾
4.26		Distance between support arms	b ₄	mm	900/1050 ⁵⁾ /1100/1300
4.28		Reach distance	l ₄	mm	613
4.31		Ground clearance, laden, below mast	m ₁	mm	70 ⁶⁾
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	2664
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	2703
4.35		Turning radius	W _a	mm	1640
4.37	Length across wheel arms	l ₇	mm	1811	
Performance	5.1	Travel speed laden/unladen		km/h	10.1/11.2
	5.2	Lift speed laden/ unladen		m/s	0.33/0.50 ⁷⁾
	5.3	Lowering speed laden/unladen		m/s	0.50/0.46 ⁸⁾
	5.4	Reaching speed, laden/unladen		m/s	0.13/0.13
	5.7	Gradeability laden/unladen		%	10/15
	5.9	Acceleration time (0-9 m), laden/unladen		s	5.1/4.5
	5.10	Service brake			electrical
Motor	6.1	Drive motor rating S2 60min		kW	5.5
	6.2	Lift motor rating S3 15%		kW	10
	6.4	Battery voltage/nominal capacity		V/Ah	48/465
	6.5	Battery weight		kg	750
	Others	8.1	Drive control		
8.4		Sound level at driver's ear		dB(A)	67

* aisle width calculation based on VDI 2198

¹⁾ for h₃ = 5700 mm and battery weight = 750 kg

²⁾ for b₄ = 900/1050/1100/1300 mm

³⁾ other fork lengths available: standard: 1000 mm; non-standard: 600-1600mm

⁴⁾ with sideshift: 250-738mm

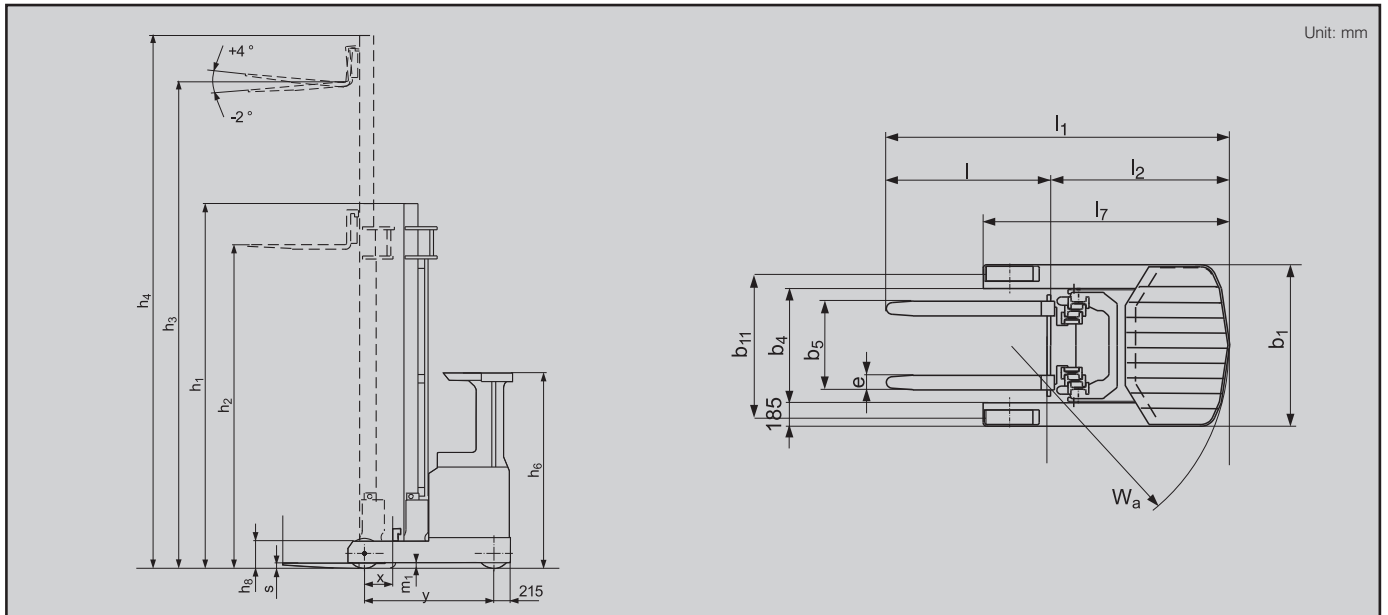
⁵⁾ limited lift height

⁶⁾ 15mm under studs

⁷⁾ lift speed with 1000 kg = 0.37 m/s

⁸⁾ lowering speed with 1000 kg = 0.53 m/s

DIMENSIONAL DRAWINGS



MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Max fork height h_3 mm	Overall height		Free lift h_2 mm	Load capacity at 600mm LC												
		Lowered height h_1 mm	Extended height h_4 mm		$b_4 = 900\text{mm}$			$b_4 = 1050\text{mm}$			$b_4 = 1100\text{mm}$			$b_4 = 1300\text{mm}$			
					7FBRE16 (1)	7FBRE16 (2)	7FBRE16 (3)	7FBRE16 (1)	7FBRE16 (2)	7FBRE16 (3)	7FBRE16 (1)	7FBRE16 (2)	7FBRE16 (3)	7FBRE16 (1)	7FBRE16 (2)	7FBRE16 (3)	
Triplex Hilo	4400	2057	5040	1416	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
	4800	2190	5440	1549	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
	5400	2390	6040	1749	1575	1600	1600	1575	1600	1600	1575	1600	1600	1575	1600	1600	1600
	5700	2490	6340	1849	1550	1600	1600	1550	1600	1600	1550	1600	1600	1550	1600	1600	1600
	6300	2732	6940	2091	1500	1575	1575	1500	1575	1575	1500	1575	1575	1500	1575	1575	1575
	6750	2981	7390	2340	1300	1525	1525	1300	1525	1525	1450	1525	1525	1450	1525	1525	1525
	7000	3064	7640	2423	1200	1500	1500	1200	1450	1450	1400	1500	1500	1425	1500	1500	1500
	7500	3231	8140	2590	1000	1300	1450	1000	1300	1375	1150	1450	1450	1400	1450	1450	1450
	8000	3398	8640	2757	-	1100	1400	-	1100	1250	-	1275	1400	-	1400	1400	1400
	8500	3564	9140	2923	-	900	1350	-	900	1050	-	1075	1350	-	1350	1350	1350
	9000	3731	9640	3090	-	-	1175	-	-	-	-	-	1175	-	-	-	1175
	9500	3898	10140	3257	-	-	1000	-	-	-	-	-	1000	-	-	-	1000

BATTERY COMPARTMENT

LIFT OUT/ROLL OUT BATTERY COMPARTMENT

Dimensions					7FBRE16			
					1	2/3		
1.9	Load distance	x	mm					
	without sideshift						435	366
	with sideshift						397	328
	with roller bed, incl. Sideshift				372	303		
4.20	Length to face of forks	l_2	mm					
	without sideshift						1205	1274
	with sideshift				1243	1312		
4.33	Aisle width for pallets 1000x1200 wide	A_{st}	mm					
	without sideshift						2664	2713
	with sideshift						2691	2741
	with roller bed, incl. Sideshift				2709	2760		
4.34	Aisle width for pallets 800x1200 long	A_{st}	mm					
	without sideshift						2703	2765
	with sideshift						2737	2799
	with roller bed, incl. Sideshift				2760	2822		
6.4	Battery voltage / battery capacity, min-max		V / Ah		48 / 360-465	48 / 480-620		
6.5	Battery weight, min-max		kg		700-750	865-955		

2,000 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA
	1.2	Model			7FBRE20
	1.3	Power			battery
	1.4	Operator Type			seated
	1.5	Load capacity/rated load	Q	kg	2000
	1.6	Load centre	c	mm	600
	1.8	Load distance	x	mm	382
	1.9	Wheelbase	y	mm	1475
	Weight	2.1	Truck weight		kg
2.2		Axle loadings laden front/rear		kg	1910/5470
2.3		Axle loadings unladen front/rear		kg	2200/2240
Wheels, chassis	3.1	Tyres, front/rear: polyurethane (PE)			PE
	3.2	Tyre size - front		mm	Ø350x127.5
	3.3	Tyre size - rear		mm	Ø350x108
	3.5	Wheels - number front/ rear (x = drive wheel)			1x/2
	3.6	Tread width - front	b ₁₀	mm	0
	3.7	Tread width - rear	b ₁₁	mm	1133/1333/1533 ²⁾
	Dimensions	4.1	Tilt of fork carriage, up/down		deg
4.2		Height, mast lowered	h ₁	mm	3064
4.3		Free lift	h ₂	mm	2423
4.4		Lift height	h ₃	mm	7000
4.5		Height, mast extended	h ₄	mm	7640
4.7		Height of overheadguard	h _e	mm	2266
4.10		Height of wheel arms	h _a	mm	320
4.19		Overall length	l ₁	mm	2458
4.20		Length to front face of forks	l ₂	mm	1308
4.21		Chassis width	b ₁	mm	1270/1470/1670
4.22		Fork dimensions	s/e/l	mm	40/120/1150 ³⁾
4.23		Fork carriage DIN 15173, class/type A,B			2A
4.24		Fork carriage width	b ₃	mm	870
4.25		Overall width across forks, min-max	b ₅	mm	250-718 ⁴⁾
4.26		Distance between support arms	b ₄	mm	900/1100/1300
4.28		Reach distance	l ₄	mm	585
4.31		Ground clearance, laden, below mast	m ₁	mm	70 ⁵⁾
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	2751
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	2801
4.35		Turning radius	W _a	mm	1690
4.37	Length across wheel arms	l ₇	mm	1886	
Performance	5.1	Travel speed laden/unladen		km/h	9.7/10.4
	5.2	Lift speed laden/unladen		m/s	0.30/0.50 ⁶⁾
	5.3	Lowering speed laden/unladen		m/s	0.49/0.46 ⁷⁾
	5.4	Reaching speed, laden/unladen		m/s	0.13/0.13
	5.7	Gradeability laden/unladen		%	10/15
	5.9	Acceleration time (0-9 m), laden/unladen		s	5.1/4.5
	5.10	Service brake			electrical
Motor	6.1	Drive motor rating S2 60min		kW	7.5
	6.2	Lift motor rating S3 15%		kW	10
	6.4	Battery voltage/nominal capacity		V/Ah	48/620
	6.5	Battery weight		kg	955
	Others	8.1	Drive control		
8.4		Sound level at driver's ear		dB(A)	67

* aisle width calculation based on VDI 2198

¹⁾ for h₃ = 7000 mm and battery weight = 955 kg

²⁾ for b₄ = 900/1100/1300 mm

³⁾ other fork lengths available: standard: 1000 mm; non-standard: 600-1600mm

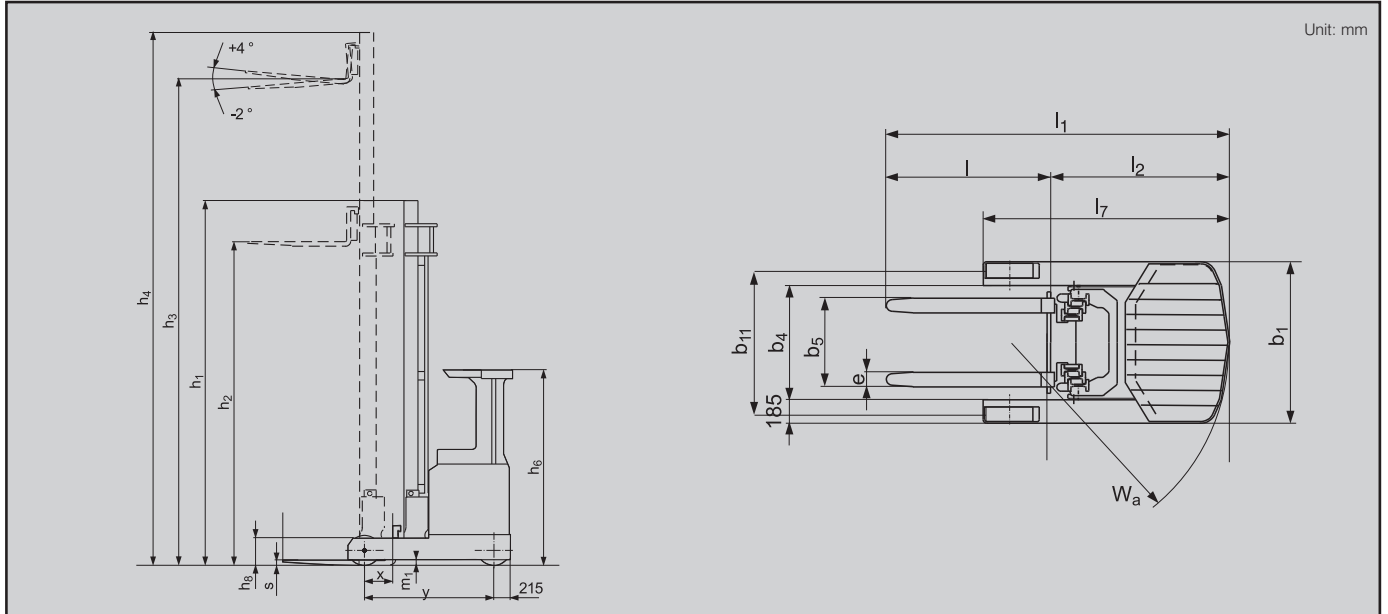
⁴⁾ with sideshift: 250-738 mm

⁵⁾ 15mm under studs

⁶⁾ lift speed with 1000 kg = 0.35 m/s

⁷⁾ lowering speed with 1000 kg = 0.53 m/s

DIMENSIONAL DRAWINGS



MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Max fork height h_3 mm	Overall height		Free lift h_2 mm	Load capacity at 600mm LC					
		Lowered height h_1 mm	Extended height h_4 mm		$b_4 = 900\text{mm}$		$b_4 = 1100\text{mm}$		$b_4 = 1300\text{mm}$	
					7FBRE20 (1) kg	7FBRE20 (2) kg	7FBRE20 (1) kg	7FBRE20 (2) kg	7FBRE20 (1) kg	7FBRE20 (2) kg
Triplex Hilo	4600	2165	5240	1524	1975	2000	1975	2000	1975	2000
	4800	2232	5440	1591	1950	2000	1950	2000	1950	2000
	5400	2432	6040	1791	1875	2000	1875	2000	1875	2000
	5700	2532	6340	1891	1850	2000	1850	2000	1850	2000
	6300	2732	6940	2091	1775	2000	1775	2000	1775	2000
	6750	2981	7390	2340	1725	2000	1725	2000	1725	2000
	7000	3064	7640	2423	1700	2000	1700	2000	1700	2000
	7500	3231	8140	2590	1625	1900	1625	1900	1625	1900
	8000	3398	8640	2757	1525	1700	1525	1700	1575	1800
	8500	3564	9140	2923	1425	1450	1425	1450	1525	1525
	9000	3731	9640	3090	1250	1250	1250	1250	1250	1250
9500	3898	10140	3257	1000	1000	1000	1000	1000	1000	

BATTERY COMPARTMENT

LIFT OUT/ROLL OUT BATTERY COMPARTMENT

Dimensions					7FBRE20			
					1	2		
1.9	Load distance	x	mm					
	without sideshift						382	307
	with sideshift						344	269
	with roller bed, incl. Sideshift				319	244		
4.20	Length to face of forks	l_2	mm					
	without sideshift						1308	1383
	with sideshift						1346	1421
4.33	Aisle width for pallets 1000x1200 wide	A_{st}	mm					
	without sideshift						2751	2807
	with sideshift						2779	2836
	with roller bed, incl. Sideshift				2798	2855		
4.34	Aisle width for pallets 800x1200 long	A_{st}	mm					
	without sideshift						2801	2868
	with sideshift						2835	2903
	with roller bed, incl. Sideshift				2858	2926		
6.4	Battery voltage / battery capacity, min-max		V / Ah		48 / 480-620	48 / 600-775		
6.5	Battery weight, min-max		kg		865-955	1075-1175		

2,500 kg

MAIN VEHICLE SPECIFICATIONS

Characteristics	1.1	Manufacturer			TOYOTA
	1.2	Model			7FBRE25
	1.3	Power			battery
	1.4	Operator Type			seated
	1.5	Load capacity/rated load	Q	kg	2500
	1.6	Load centre	c	mm	600
	1.8	Load distance	x	mm	321 ¹⁾
	1.9	Wheelbase	y	mm	1600
	Weight	2.1	Truck weight		kg
2.2		Axle loadings laden front/rear		kg	2150/7045
2.3		Axle loadings unladen front/rear		kg	2725/3225
Wheels, chassis	3.1	Tyres, front/rear: polyurethane (PE)			PE
	3.2	Tyre size - front			Ø350x127.5
	3.3	Tyre size - rear			Ø350x108
	3.5	Wheels - number front/rear (x = drive wheel)			1x/2
	3.6	Tread width - front	b ₁₀	mm	0
	3.7	Tread width - rear	b ₁₁	mm	1133/1333/1533 ³⁾
	Dimensions	4.1	Tilt of fork carriage, up/down		deg
4.2		Height, mast lowered	h ₁	mm	3671
4.3		Free lift	h ₂	mm	3091
4.4		Lift height	h ₃	mm	9000
4.5		Height, mast extended	h ₄	mm	9581
4.7		Height of overheadguard	h _e	mm	2266
4.10		Height of wheel arms	h _a	mm	320
4.19		Overall length	l ₁	mm	2644 ¹⁾
4.20		Length to front face of forks	l ₂	mm	1494 ¹⁾
4.21		Chassis width	b ₁	mm	1270/1470/1670
4.22		Fork dimensions	s/e/l	mm	45/125/1150 ⁴⁾
4.23		Fork carriage DIN 15173, class/type A,B			2A
4.24		Fork carriage width	b ₃	mm	870
4.25		Overall width across forks, min-max	b ₅	mm	250-718 ⁵⁾
4.26		Distance between support arms	b ₄	mm	900/1100/1300
4.28		Reach distance	l ₄	mm	562
4.31		Ground clearance, laden, below mast	m ₁	mm	70 ⁶⁾
4.33		Aisle width for pallets 1000x1200 wide*	A _{st}	mm	2921
4.34		Aisle width for pallets 800x1200 long*	A _{st}	mm	2981
4.35		Turning radius	W _a	mm	1815
4.37	Length across wheel arms	l ₇	mm	2011	
Performance	5.1	Travel speed laden/unladen		km/h	10/11
	5.2	Lift speed laden/unladen		m/s	0.27/0.50 ⁷⁾
	5.3	Lowering speed laden/unladen		m/s	0.47/0.44 ⁸⁾
	5.4	Reaching speed, laden/unladen		m/s	0.12/0.12
	5.7	Gradeability laden/unladen		%	7/12
	5.9	Acceleration time (0-9 m), laden/unladen		s	5.5/5.0
	5.10	Service brake			electrical
Motor	6.1	Drive motor rating S2 60min		kW	7.5
	6.2	Lift motor rating S3 15%		kW	14
	6.4	Battery voltage/nominal capacity		V/Ah	48/775
	6.5	Battery weight		kg	1175
	Others	8.1	Drive control		
8.4		Sound level at driver's ear		dB(A)	67

* aisle width calculation based on VDI 2198

¹⁾ with sideshift

²⁾ for h₃ = 9000 mm and battery weight = 1175 kg

³⁾ for b₄ = 900/1100/1300 mm

⁴⁾ other fork lengths available: standard: 1000 mm; non-standard: 600-1600mm

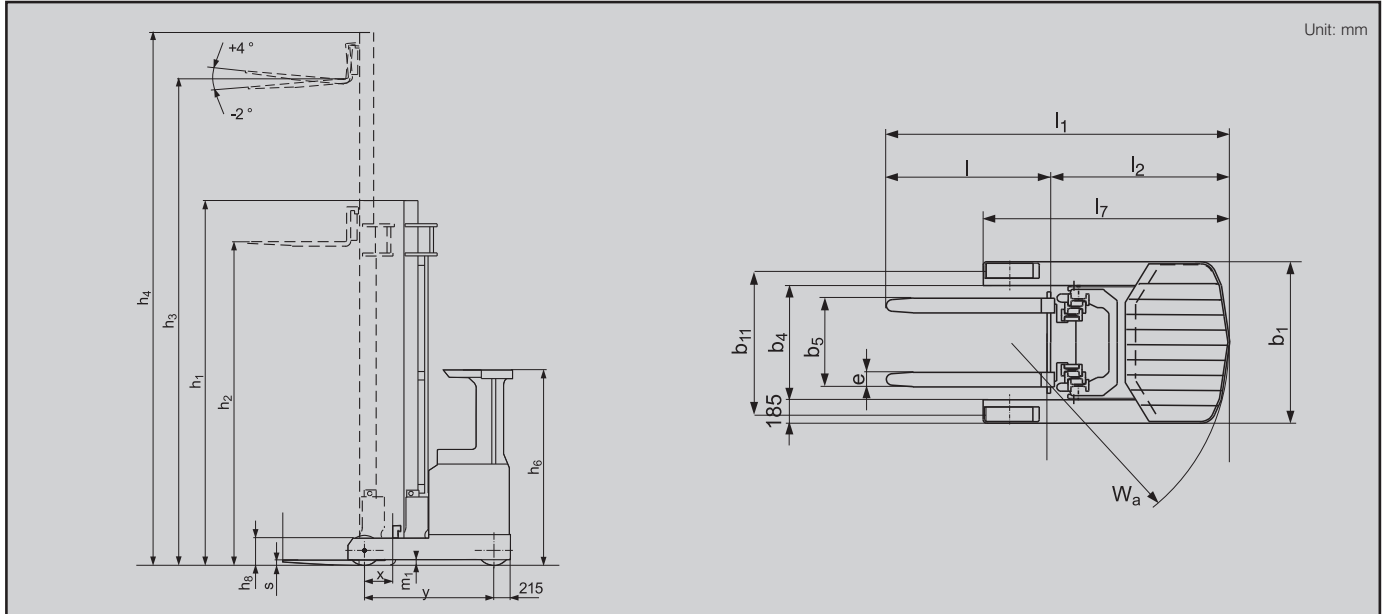
⁵⁾ with sideshift: 250-738mm

⁶⁾ 15mm under studs

⁷⁾ lift speed with 1000 kg= 0.37 m/s

⁸⁾ lowering speed with 1000 kg= 0.53 m/s

DIMENSIONAL DRAWINGS



MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Max fork height h_3 mm	Overall height		Free lift h_2 mm	Load capacity at 600mm LC					
		Lowered height h_1 mm	Extended height h_4 mm		$b_4 = 900\text{mm}$		$b_4 = 1100\text{mm}$		$b_4 = 1300\text{mm}$	
					7FBRE25 (1) kg	7FBRE25 (2) kg	7FBRE25 (1) kg	7FBRE25 (2) kg	7FBRE25 (1) kg	7FBRE25 (2) kg
Triplex Hilo	4800	2271	5381	1691	2500	2500	2500	2500	2500	2500
	5400	2471	5981	1891	2500	2500	2500	2500	2500	2500
	6300	2771	6881	2191	2350	2350	2350	2350	2350	2350
	7000	3004	7581	2425	2250	2250	2250	2250	2250	2250
	8000	3338	8581	2757	2100	2100	2100	2100	2100	2100
	8500	3504	9081	2925	1900	1900	1900	1900	1950	1950
	9000	3671	9581	3091	1725	1725	1725	1725	1800	1800
	9500	3838	10081	3257	1550	1550	1550	1550	1650	1650
	10000	4004	10581	3425	1375	1375	1375	1375	1500	1500
	10500	4171	11081	3591	1200	1200	1200	1200	1325	1325

BATTERY COMPARTMENT

LIFT OUT/ROLL OUT BATTERY COMPARTMENT

Dimensions				7FBRE25	
				1	2
1.9	Load distance	x	mm		
	without sideshift			-	-
	with sideshift			321	249
	with roller bed, incl. Sideshift			296	224
4.20	Length to face of forks	l_2	mm		
	without sideshift			-	-
	with sideshift			1494	1566
4.33	Aisle width for pallets 1000x1200 wide	A_{st}	mm		
	without sideshift			-	-
	with sideshift			2921	2976
	with roller bed, incl. Sideshift			2940	2996
4.34	Aisle width for pallets 800x1200 long	A_{st}	mm		
	without sideshift			-	-
	with sideshift			2981	3047
	with roller bed, incl. Sideshift			3004	3070
6.4	Battery voltage / battery capacity, min-max		V / Ah	48 / 600-775	48 / 720-930
6.5	Battery weight, min-max		kg	1075-1175	1270-1365

7FBRE12N.14N.16N.16.20.25

- Toyota Proreach System
- 200 mm steering wheel diameter
- 360° electronic steering
- Console-mounted minilevers
- Hand operated direction switch on console
- Textile seat
- Driver information display
- Automatic parking brake
- Emergency switch button
- Armrest
- Headrest
- Horn

The data in this spec sheet was determined based on our standard testing condition. Operating performance may vary depending on the actual specification and condition of the truck as well as the condition of the operating area. Availability and specifications are determined regionally and are subject to change without notice. Please consult your Toyota representative for details.