MOVE THE WORLD FORWARD MITSUBISHI HEAVY INDUSTRIES GROUP

SENSIA EM

REACH TRUCKS

1.6 - 2.5 tonnes

INTENSIVE PERFORMANCE
INTUITIVE CONTROL

A universal reach truck that works exactly how your operators would design a reach truck. It's a big claim. But with the control choices, the adjustability and ergonomics, the performance, the high visibility, the exceptional safety features and more as standard, plus a wide range of optional enhancements, we think you'll see it's a claim we don't make lightly.

SPECIFICATIONS

RB16N3
RB16N3H
RB16N3HS
RB20N3
RB20N3H
RB20N3HX
RB25N3H

RB16-25N3(H)(S)(X) Series

WHEN RELIABILITY IS EVERYTHING...

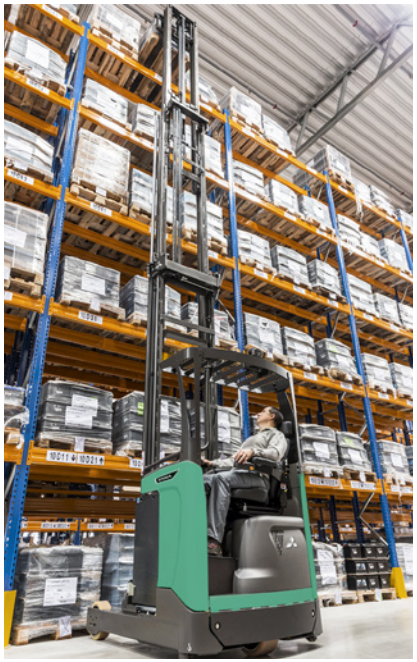
MITSUBISHI FORKLIFT TRUCKS

SENSiA EM

RB16-25N3(H)(S)(X) Series

REACH TRUCKS

1.6 – 2.5 tonnes



BRAKES

- **High-efficiency regenerative braking**
  This gives more effective control and reduces brake wear.

DRIVE

- **Active Spin Reduction (ASR)**
  Helps to stop the drive wheel spinning. This minimises grip loss while also reducing wear on the wheel.
- **Intelligent Cornering System (ICS)**
  The truck senses the angle of a turn and reduces speed early for maximum stability and accurate, positive cornering.
- **Durable drive wheel**
  Low-wear drive wheel means less maintenance and lower costs.

ELECTRICAL AND CONTROL SYSTEMS

- **Motor battery bed**
  Motor rollers are available for a quicker one-minute change. (Option)
- **Advanced on-board computer**
  Stores power and hydraulic preference settings for up to 350 different users.
- **LoadSteady**
  Hydraulic functions such as mast reach and mast tilt are automatically optimised along with a reach damping function to make pallet placement and retrieval safer and quicker.
- **LoadSteady+**
  Works to adjust maximum travel speed in relation to actual load weight for the best levels of safety and performance. (Option)

FORKS AND MAST

- **MaxVision mast and overhead guard**
  This maximises operator field of vision for increased productivity and safety.
- **Level Assistance System**
  This patented system detects the operator's intention and automatically stops when the forks are at precisely at the right level. (Option)
- **Automatic Mast Damping**
  The automatic damping function absorbs unwanted mast movements, reduces the speeds of tilt, side shift and angle, and ensures 80 percent faster mast stabilisation.
- **> 12-metre lift height (X models only)**
  Incredibly stable handling even at full height.

FRAME AND BODY

- **Modular design**
  Limits the number of parts used meaning service engineers can carry fewer parts to keep the first-time fix rate incredibly high.
- **RapidAccess battery compartment**
  Enables easy battery access for checks and maintenance.
- **Robust chassis**
  Built for intensive operations, with great inherent strength and high residual values.

HYDRAULICS

- **MotionSteady**
  A finely tuned algorithm adjusts reach, tilt and sideshift speed to greatly improve productivity and handling speed.

For more information on SENSiA EM Series please visit our website

mft2.eu/rb16n3

SENSiA EM

RB16-25N3(H)(S)(X) Series

REACH TRUCKS

1.6 – 2.5 tonnes

OPERATOR COMPARTMENT AND CONTROLS

- **Electrically adjustable floor height**
  Can be adjusted to suit each operator and provide a more ergonomic seating position.
- **Tilting seat with sliding base**
  This patented feature keeps the operator comfortably supported when looking up at high lifts, maintaining a natural posture and ensuring they remain safely within the protective cabin.
- **Spacious and comfortable cabin, clear view and fast, accurate fork positioning**
  This all helps to increase productivity and reduce risks of driver fatigue — even on the longest shifts.
- **Easy-access compartment**
  Includes ergonomic hand bars, low non-slip step and wide entry to provide safe and effortless entry and exit.
- **Multifunctional Ergologic Joystick**
  This intuitive and highly ergonomic joystick controls seven different functions, including lifting, lowering, reaching and tilting. (Option)
- **Automotive-style pedals**
  Pedals are placed in a familiar position for intuitive operation.
- **PIN-code access**
  Stops unauthorised truck use and keeps you aware of who's operating at all times.
- **Fingertip hydraulic controls**
  Integrated, fully adjustable, and allows effortless precision. (Option)
- **Motor battery bed**
  Motor rollers are available for a quicker one-minute change. (Option)
- **Convex backrest padding for natural body movement**
  Encourages a smoother torso rotation between forward driving and load handling, reducing strain and improving operator comfort during frequent direction changes.
- **Transparent overhead guard**
  Improves safety by offering an unobstructed view of forks and load.

STEERING SYSTEM

- **Mini steering wheel with floating armrest**
  Ergonomically adjustable to reduce strain and lower risk of RSI.
- **360-degree steering**
  The operator can keep the truck in constant motion — saving seconds on every turn. (Option)
- **Midi steering wheel**
  Adjustable positioning with tilt function. (Option)

For more information on SENSiA EM Series please visit our website

mft2.eu/rb16n3

SENSIA EM

OPTIONAL LI-ION BATTERY SYSTEMS

MAKE YOUR FORKLIFT GO EVEN FURTHER

Tried, tested and proven in the field, lead-acid batteries have been the long-standing choice for companies employing electric lift trucks. However, with long charging times, demanding maintenance requirements, the need for extra batteries, and high risk of operator misuse, day-to-day use can be a challenge.

Fortunately, there's a new battery system on the block: Li-ion from Mitsubishi Forklift Trucks.

Designed to meet your business' demands — including multi-shift (24/7) operations — without the need for spare batteries, our high-performance Li-ion battery system is up to 30% more efficient than lead-acid counterparts. Plus, it's virtually error-proof, thanks to its ultra-low-maintenance design which prevents cell damage.

- **Gas-emission free**
  No need for air ventilation.
- **Exceptional high battery and charger efficiency**
  State-of-the-art technology delivers up to 30% more power efficiency than lead-acid batteries.
- **Maintenance-free design**
  No need for daily checks and water re-fills. This reduces the risk of operators damaging cells and reducing their lifetime. Needs a full charge each week to activate cell balancing.
- **No need for spare batteries or charging room**
  You can save both space and costs in multi-shift applications, maximising profitability.
- **Quick charge capabilities**
  Just 15 minutes is all your battery needs to keep your truck going for a few more hours. It only takes 1 to 2 hours to fully charge a completely discharged battery.
- **Higher sustained voltage**
  This gives more consistent lifting and driving performance — particularly noticeable towards the end of a shift.
- **Multiple safety features**
  This includes circuit protection, deep-discharge and overcharge protection, and individual cell temperature and voltage monitoring.
- **On-the-go performance and monitoring**
  The system's integrated monitoring system has an easy-to-read display unit.
- **Wide choice of battery and charger capacities**
  The most suitable power supply can be matched to the exact requirements of a specific application.

Clean Li-ion batteries are ideal for sensitive environments such as those in the food or packaging industries.

Fully integrated Li-ion battery

Features a sophisticated CANbus communication and an automatic ON/OFF synchronization between battery and truck. Battery level, notifications and alarms are integrated into the truck display, to secure clear and easy overview for the truck operator.

For more information on Li-ion please visit our website

mft2.eu/lion

VDI - PERFORMANCE & DIMENSIONS

	CHARACTERISTICS						
1.1	Manufacturer			Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
1.2	Manufacturer's model designation			RB16N3	RB16N3H	RB16N3HS	RB20N3
1.3	Power source			Battery	Battery	Battery	Battery
1.4	Operator type			Seated	Seated	Seated	Seated
1.5	Load capacity	Q	kg	1600	1600	1600	2000
1.6	Load center distance	c	mm	600	600	600	600
1.8	Load wheel axle to fork face (forks lowered)	x	mm	see table	see table	see table	see table
1.9	Wheelbase	y	mm	1448	1420	1420	1530
	WEIGHT						
2.1b	Truck weight without load, with maximum battery weight		kg	3590	4320	4220	4140
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	2000 / 1190	2360 / 1760	2556 / 1930	2290 / 1450
2.4	Axle loading, mast forward, with nominal load, drive / load side		kg	650 / 4140	1040 / 4680	1106 / 4985	550 / 5190
2.5	Axle loading, mast retracted, with nominal load, drive / load side		kg	1750 / 3040	1900 / 3820	2041 / 3965	2040 / 3700
	WHEELS, DRIVE TRAIN						
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul	Vul	Vul	Vul
3.2	Tyre dimensions, drive side		mm	355 x 155	355 x 155	355 x 155	355 x 155
3.3	Tyre dimensions, load side		mm	285 x 105	285 x 105	285 x 75	285 x 105
3.5	Number of wheels, load / drive side (x = driven)			2 / 1 x	2 / 1 x	2 / 1 x	2 / 1 x
3.7	Track width (center of tyres), load side	b11	mm	1128	1128 / 1255	1157	1128 / 1255
	DIMENSIONS						
4.1	Fork tilt, forwards / backwards	∂, ß	°	1 / 4	1 / 4	1 / 4	1 / 4
4.2a	Height with mast lowered	h1	mm	see table	see table	see table	see table
4.3	Free lift	h2	mm	see table	see table	see table	see table
4.4	Lift height	h3	mm	see table	see table	see table	see table
4.5	Height with mast extended	h4	mm	see table	see table	see table	see table
4.7	Height to top of overhead guard	h6	mm	2205	2205	2205	2205
4.8	Seat- or stand height	h7	mm	1153[1)]	1153[1)]	1153[1)]	1153[1)]
4.10	Height of support legs	h8	mm	235	235	305	235
4.15	Fork height, fully lowered	h13	mm	65	65	65	65
4.19	Overall length	l1	mm	see table	see table	see table	see table
4.20	Length to fork face	l2	mm	see table	see table	see table	see table
4.21	Overall width	b1/b2	mm	1270	1270[12)]	1270	1270[12)]
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm	40 / 100 / 1150	40 / 100 / 1150	40 / 100 / 1150	42 / 100 / 1150
4.23	Fork carriage to DIN			FEM 2A	FEM 2A	FEM 2A	FEM 2A
4.24	Fork carriage width	b3	mm	830	830	830	830
4.25	Outside width over forks (minimum / maximum)	b5	mm	316 - 697	316 - 697	316 - 697	316 - 697
4.26	Inner width of support legs	b4	mm	912	903[10)]	1070	903[10)]
4.28	Mast reach	l4	mm	see table	see table	see table	see table
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	70	70	70	70
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	see table	see table	see table	see table
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	see table	see table	see table	see table
4.35	Turning radius	Wa	mm	see table	see table	see table	see table
4.37	Truck length including support legs	l7	mm	1800	1800	1803	1910
	PERFORMANCE						
5.1	Travel speed, with / without load		km/h	12.5 / 12.5	12.5 / 12.5	12 / 12	12.5 / 12.5
5.2	Lifting speed, with / without load		m/s	0.49 / 0.80	0.48 / 0.68	0.48 / 0.68	0.37 / 0.63
5.3	Lowering speed, with / without load		m/s	0.49 / 0.48	0.5 / 0.48	0.5 / 0.48	0.55 / 0.43
5.5	Rated drawbar pull, with / without load		N	0.2 / 0.2	0.2 / 0.2	0.2 / 0.2	0.2 / 0.2
5.8	Maximum gradeability with / without load		%	14.9 / 19.6	11 / 15.2	11 / 15.2	11 / 16.5
5.9	Acceleration time (10 metres) with / without load		s	4.8 / 4.4	5.1 / 4.6	5.1 / 4.6	4.8 / 4.4
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric	Electric	Electric
	ELECTRIC MOTORS						
6.1	Drive motor capacity (60 min. short duty)		kW	7.2	7.2	7.2	7.2
6.2	Lift motor output at 15% duty factor		kW	15	15	15	15
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	48 - 465 / 620 / 775	48 - 620 / 775	48 - 465 / 620 / 775	48 - 620 / 775 / 930
6.5	Battery weight		kg	712 / 892 / 1063	892 / 1063	712 / 892 / 1063	892 / 1063 / 1240
6.6b	Energy consumption according to VDI 60 cycle		kWh / h	5.3	5.3	5.3	5.3
	MISCELLANEOUS						
8.1	Type of drive control		bar	Stepless	Stepless	Stepless	Stepless
10.1	Maximum operating pressure for attachments		l / min	150	150	150	150
10.2	Oil flow for attachments		dB(A)	25	25	25	25
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ			60.8	60.8	60.8	60.8

SENSIA EM

RB16-20N3(H)(S) Series

REACH TRUCKS

1.6 – 2.0 tonnes

1) Measured with standard seat to SIP point
10) Inner width of 1030mm available
12) b1 1397mm if inner width is 1030mm

Continuing improvement may lead to changes in these specifications

VDI - PERFORMANCE & DIMENSIONS

	CHARACTERISTICS					
1.1	Manufacturer			Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
1.2	Manufacturer's model designation			RB20N3H	RB20N3HX	RB25N3H
1.3	Power source			Battery	Battery	Battery
1.4	Operator type			Seated	Seated	Seated
1.5	Load capacity	Q	kg	2000	2000	2500
1.6	Load center distance	c	mm	600	600	600
1.8	Load wheel axle to fork face (forks lowered)	x	mm	see table	see table	see table
1.9	Wheelbase	y	mm	1530	1530	1630
	WEIGHT					
2.1b	Truck weight without load, with maximum battery weight		kg	4550	5200	4600
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	2400 / 1750	2790 / 2410	2400 / 2000
2.4	Axle loading, mast forward, with nominal load, drive / load side		kg	650 /5500	1060 / 6140	800 / 6100
2.5	Axle loading, mast retracted, with nominal load, drive / load side		kg	2050 / 4100	2280 / 4920	2100 / 4100
	WHEELS, DRIVE TRAIN					
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul	Vul	Vul
3.2	Tyre dimensions, drive side		mm	355 x 155	355 x 155	355 x 155
3.3	Tyre dimensions, load side		mm	285 x 105	285 x 105	285 x 105
3.5	Number of wheels, load / drive side (x = driven)			2 / 1 x	2 / 1 x	2 / 1 x
3.7	Track width (center of tyres), load side	b11	mm	1128 / 1255	1255	1255
	DIMENSIONS					
4.1	Fork tilt, forwards / backwards	∂, ß	°	1 / 4	1 / 4	1 / 4
4.2a	Height with mast lowered	h1	mm	see table	see table	see table
4.3	Free lift	h2	mm	see table	see table	see table
4.4	Lift height	h3	mm	see table	see table	see table
4.5	Height with mast extended	h4	mm	see table	see table	see table
4.7	Height to top of overhead guard	h6	mm	2205	2205	2205
4.8	Seat- or stand height	h7	mm	1153[1)]	1153[1)]	1153[1)]
4.10	Height of support legs	h8	mm	235	235	235
4.15	Fork height, fully lowered	h13	mm	65	65	65
4.19	Overall length	l1	mm	see table	see table	see table
4.20	Length to fork face	l2	mm	see table	see table	see table
4.21	Overall width	b1/b2	mm	1270[12)]	1397	1397
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm	40 / 100 / 1150	40 / 100 / 1150	45 / 100 / 1150
4.23	Fork carriage to DIN			FEM 2A	FEM 2A	FEM 2A
4.24	Fork carriage width	b3	mm	830	830	830
4.25	Outside width over forks (minimum / maximum)	b5	mm	316 - 697	316 - 697	316 - 697
4.26	Inner width of support legs	b4	mm	903 [10)]	1030	1030
4.28	Mast reach	l4	mm	see table	see table	see table
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	70	70	70
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	see table	see table	see table
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	see table	see table	see table
4.35	Turning radius	Wa	mm	see table	see table	see table
4.37	Truck length including support legs	l7	mm	1910	1910	2010
	PERFORMANCE					
5.1	Travel speed, with / without load		km/h	14.3 / 14.5	12 / 12	12 / 12
5.2	Lifting speed, with / without load		m/s	0.37 / 0.63	0.36 / 0.52	0.33 / 0.52
5.3	Lowering speed, with / without load		m/s	0.55 / 0.43	0.54 / 0.45	0.55 / 0.43
5.5	Rated drawbar pull, with / without load		N	0.2 / 0.2	0.2 / 0.2	0.2 / 0.2
5.8	Maximum gradeability with / without load		%	6.3 / 9.4	6.1 / 8.4	9.2 / 14.7
5.9	Acceleration time (10 metres) with / without load		s	4.8 / 4.4	4.8 / 4.4	4.8 / 4.4
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric	Electric
	ELECTRIC MOTORS					
6.1	Drive motor capacity (60 min. short duty)		kW	7.2	7.2	7.2
6.2	Lift motor output at 15% duty factor		kW	15	15	15
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	48 - 620 / 775 / 930	48 - 775 / 930	48 - 775 / 930
6.5	Battery weight		kg	892 /1063 / 1240	1063 / 1240	1063 / 1240
6.6b	Energy consumption according to VDI 60 cycle		kWh / h	5.3		5.3
	MISCELLANEOUS					
8.1	Type of drive control		bar	Stepless	Stepless	Stepless
10.1	Maximum operating pressure for attachments		l / min	150	150	150
10.2	Oil flow for attachments		dB(A)	25	25	25
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ			60.8	60.8	60.8

SENSIA EM

RB20-25N3(H)(X) Series

REACH TRUCKS

2.0 – 2.5 tonnes

1) Measured with standard seat to SIP point
10) Inner width of 1030mm available
12) b1 1397mm if inner width is 1030mm

Continuing improvement may lead to changes in these specifications

MAST PERFORMANCE AND CAPACITY

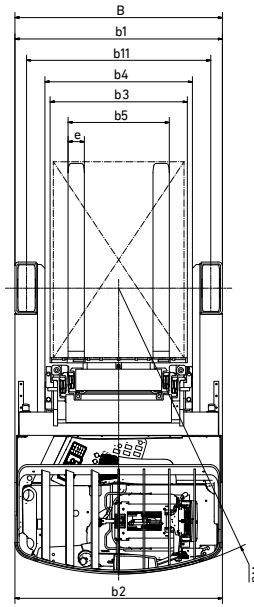
SENSIA EM

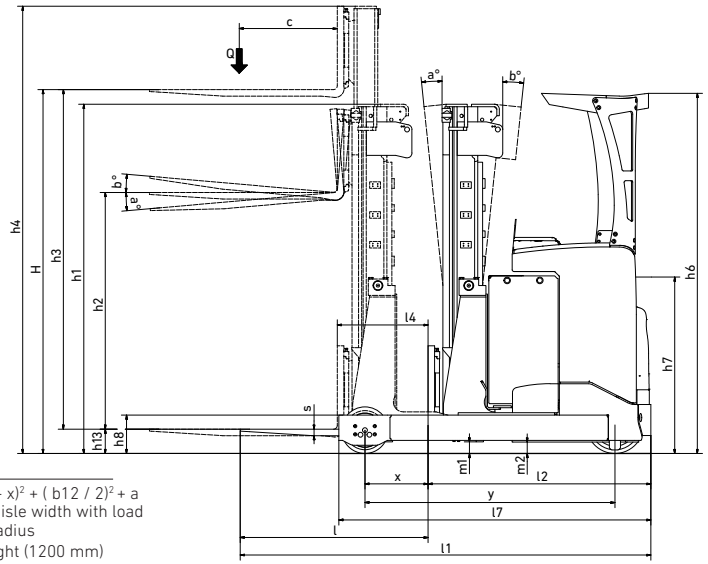
RB16-25N3(H)(S)(X) Series

MAST TYPE	h3 + h13 mm	h1 mm	h2 + h13 mm	h4 mm
RB16N3				
DTFV TRIPLEX	4800	2155	1630	5345
	4900	2190	1665	5445
	5000	2225	1690	5545
	5100	2255	1730	5645
	5200	2290	1760	5745
	5300	2325	1790	5845
	5400	2355	1830	5945
	5500	2390	1860	6045
	5600	2425	1890	6145
	5700	2455	1930	6245
	5800	2490	1960	6345
	5900	2525	1990	6445
	6000	2555	2030	6545
	6100	2590	2060	6645
	6200	2625	2090	6745
	6300	2655	2130	6845
	6400	2690	2160	6945
	6500	2725	2190	7045
	6600	2755	2230	7145
	6750	2805	2280	7295
	6900	2855	2330	7445
	7000	2890	2360	7545
	7100	2925	2390	7645
	7250	2975	2440	7795
	7950	3205	2680	8495
	8450	3375	2840	8995
	8950	3540	3010	9495

MAST TYPE	h3 + h13 mm	h1 mm	h2 + h13 mm	h4 mm
RB16N3H				
DTFV TRIPLEX	6350	2975	2445	6895
	7050	3205	2680	7595
	7300	3290	2760	7845
	7400	3325	2795	7945
	7550	3375	2845	8095
	7800	3455	2930	8345
	8050	3540	3010	8595
	8500	3690	3160	9045
	8950	3840	3310	9495
	9000	3855	3330	9545
	9100	3890	3360	9645
	9200	3925	3395	9745
	9300	3955	3430	9845
	9400	3990	3460	9945
	9500	4025	3495	10045
	9600	4055	3530	10145
	9700	4090	3560	10245
	9800	4125	3595	10345
	9900	4155	3630	10445
	10000	4190	3660	10545
	10100	4225	3695	10645
	10200	4255	3730	10745
	10300	4290	3760	10845
	10400	4325	3795	10945
	10500	4355	3830	11045
	10600	4390	3860	11145
	10700	4425	3895	11245
	10800	4455	3930	11345
	10900	4490	3960	11445

MAST TYPE	h3 + h13 mm	h1 mm	h2 + h13 mm	h4 mm
RB16N3HS				
DTFV TRIPLEX	4800	2155	1630	5345
	5400	2355	1830	5945
	5700	2455	1930	6245
	5900	2525	1990	6445
	6000	2555	2030	6545
	6300	2655	2130	6845
	6750	2805	2280	7295
	7250	2975	2440	7795
	7950	3205	2680	8495
	8450	3375	2840	8995
	8500	3690	3149	9045
	8950	3840	3299	9495
	9000	3855	3315	9545
	9100	3890	3349	9645
	9200	3925	3382	9745
	9300	3955	3415	9845
	9400	3990	3449	9945
	9500	4025	3482	10045
	9600	4055	3515	10145





h3+h13 = Lifting height
h1 = Lowered mast height
h2+h13 = Free lift
h4 = Raised mast height

Ast = $Wa + \sqrt{(l6 - x)^2 + (b12 / 2)^2} + a$
Ast = Working aisle width with load
Wa = Turning radius
l6 = Pallet lenght (1200 mm)
x = Load wheel axle to fork face
b12 = Pallet width (800 or 1000 mm)
a = Safety clearance = 2 x 100 mm

Continuing improvement may lead to changes in these specifications

MAST PERFORMANCE AND CAPACITY

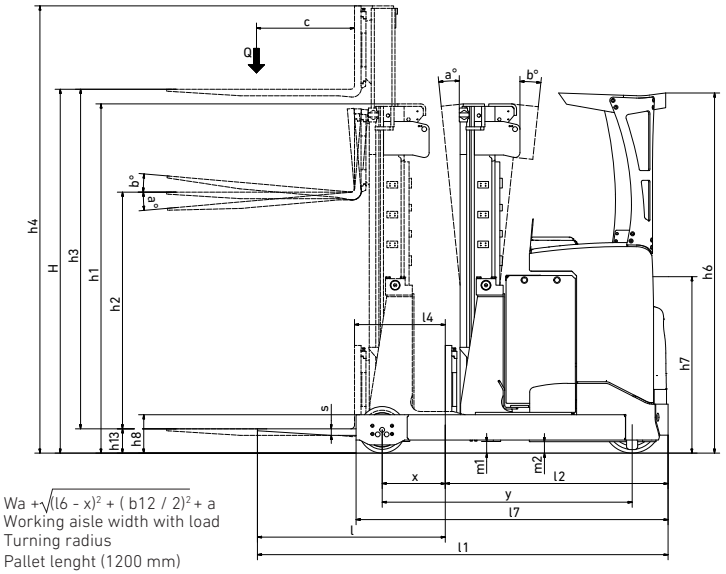
SENSIA EM

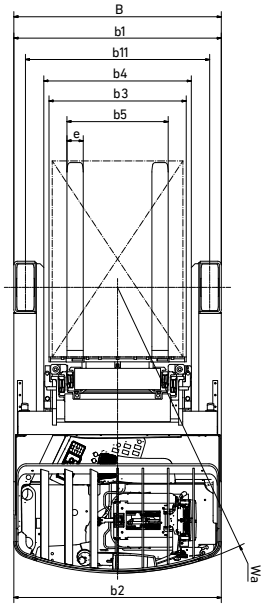
RB16-25N3(H)(S)(X) Series

MAST TYPE	h3 + h13 mm	h1 mm	h2 + h13 mm	h4 mm
RB20N3H				
DTFV TRIPLEX	6350	2972	2432	6895
	7300	3288	2749	7845
	7400	3322	2782	7945
	7050	3205	2665	7595
	7550	3372	2832	8095
	7800	3455	2915	8345
	8050	3538	2999	8595
	8500	3688	3149	9045
	8950	3838	3299	9495
	9000	3855	3315	9545
	9100	3888	3349	9645
	9200	3922	3382	9745
	9300	3955	3415	9845
	9400	3988	3449	9945
	9500	4022	3482	10045
	9600	4055	3515	10145
	9700	4088	3549	10245
	9800	4122	3582	10345
	9900	4155	3615	10445
	10000	4188	3649	10545
	10100	4222	3682	10645
	10200	4255	3715	10745
	10300	4288	3749	10845
	10400	4322	3782	10945
	10500	4355	3815	11045
	10600	4388	3849	11145
	10700	4422	3882	11245
	10800	4455	3915	11345
	10900	4488	3949	11445
	11200	4588	4049	11745
	11500	4688	4148	12045

MAST TYPE	h3 + h13 mm	h1 mm	h2 + h13 mm	h4 mm
RB20N3HX				
DTFV TRIPLEX	9600	4055	3530	10145
	10200	4255	3730	10745
	10300	4290	3765	10845
	10500	4355	3830	11045
	10800	4455	3930	11345
	11000	4525	4000	11545
	11100	4555	4030	11645
	11600	4725	4200	12145
	12100	4890	4365	12645
	12400	4990	4465	12945
	12500	5025	4500	13045
	12700	5090	4565	13245
	12800	5125	4600	13345
	12900	5155	4630	13445
	13000	5190	4665	13545

MODEL	BATTERY CAPACITY	BATTERY WEIGHT	4.33a AST	4.34a AST	4.28 L4	4.20 L2	4.19 L1	1.8 x	4.35 Wa
	Ah	kg	mm	mm	mm	mm	mm	mm	mm
RB16N3	465	708	2689	2728	596	1229	2379	439	1668
	620	892	2740	2792	524	1301	2451	367	1668
	775	1063	2794	2857	452	1373	2535	295	1668
RB16N3H	620	892	2761	2823	490	1335	2485	306	1643
	775	1063	2816	2889	418	1407	2557	234	1643
RB16N3HS	465	712	2708	2758	565	1263	2413	381	1643
	620	892	2761	2823	493	1335	2485	309	1643
	775	1063	2816	2889	421	1407	2557	237	1643
RB20N3	620	892	2770	2808	625	1310	2460	551	1750
	775	1063	2821	2873	553	1382	2532	369	1750
	930	1240	2875	2938	481	1454	2604	297	1750
RB20N3H	620	892	2788	2831	600	1335	2485	416	1750
	775	1063	2839	2895	528	1407	2557	344	1750
	930	1240	2894	2961	456	1479	2629	272	1750
RB20N3HX	930	1240	2906	2976	430	1495	2645	256	1750
RB25N3H	775	1063	2871	2910	628	1412	2562	439	1850
	930	1240	2921	2974	556	1484	2634	367	1850





h3+h13 = Lifting height
h1 = Lowered mast height
h2+h13 = Free lift
h4 = Raised mast height

Ast = $Wa + \sqrt{(l6 - x)^2 + (b12 / 2)^2} + a$
Ast = Working aisle width with load
Wa = Turning radius
l6 = Pallet lenght (1200 mm)
x = Load wheel axle to fork face
b12 = Pallet width (800 or 1000 mm)
a = Safety clearance = 2 x 100 mm

Continuing improvement may lead to changes in these specifications

STANDARD EQUIPMENT & OPTIONS

● = Standard
● = Option

	RB16N3	RB16N3H	RB16N3HS	RB20N3	RB20N3H	RB25N3H	RB20N3HX
GENERAL							
Automatic electric parking brake	●	●	●	●	●	●	●
Steering wheel angle indicator	●	●	●	●	●	●	●
Battery indicator with cut out at 20% remaining battery level	●	●	●	●	●	●	●
Multifunctional colour display	●	●	●	●	●	●	●
Integrated sideshift DTFV mast	●	●	●	●	●	●	●
Electric adjustable floor height	●	●	●	●	●	●	●
Suspension seat with weight-controlled tilting high backrest	●	●	●	●	●	●	●
Increased drive speed 14.5 km/h	●	●	●	●	●	-	-
Chill store design, down to +1° Celsius	●	●	●	●	●	●	●
Paper storage and cup holder	●	●	●	●	●	●	●
Battery reach out	●	●	●	●	●	●	●
Battery on rollers	●	●	●	●	●	●	●
Motor power battery bed	●	●	●	●	●	●	●
Other RAL-colour	●	●	●	●	●	●	●
POWER SOURCE							
Li-ion battery*	●	●	●	●	●	●	●
Lead acid battery	●	●	●	●	●	●	●
Battery cover plate	●	●	●	●	●	●	●
MAST, FORKS AND CARRIAGE							
Tilting mast	●	●	●	●	●	●	-
Fork tilt	●	●	●	●	●	●	●
Integral fork positioner/sideshift DTFV mast	●	●	●	●	●	●	-
Load backrest	●	●	●	●	●	●	●
Load backrest in combination with fork positioner/sideshift	●	●	●	●	●	●	-
Automatic Mast Damping (std @ lift height > 7.2 m, Option < 7.2 m)	●	●	●	●	●	●	-
Lift stop with-/without restart	●	●	●	●	●	●	●
Lift height indicator (std in LoadSteady+ Increased performance)	●	●	●	●	●	●	●
Level selector	●	●	●	●	●	●	●
Level assistance system (LAS)	●	●	●	●	●	●	●
Load weight indicator (std in LoadSteady+ Increased performance)	●	●	●	●	●	●	●
Fork camera with RLED display	●	●	●	●	●	●	●
Horizontal forks	●	●	●	●	●	●	●
Central position of sideshift	●	●	●	●	●	●	●
LoadSteady with MotionSteady	●	●	●	●	●	●	●

* Not in combination Cold store design, 0C° to -30C°

SENSIA EM

RB16-25N3(H)(S)(X) Series

REACH TRUCKS

1.6 – 2.5 tonnes

Multifunctional colour display

Suspension seat with tilting backrest

Blue point safety light

STANDARD EQUIPMENT & OPTIONS

● = Standard
● = Option

	RB16N3	RB16N3H	RB16N3HS	RB20N3	RB20N3H	RB25N3H	RB20N3HX
DRIVE AND LIFT CONTROLS							
Electric power mini steering in floating armrest	●	●	●	●	●	●	●
180-degree steering	●	●	●	●	●	●	●
360-degree steering	●	●	●	●	●	●	●
Active Spin Reduction (ASR)	●	●	●	●	●	●	●
Intelligent Cornering System (ICS)	●	●	●	●	●	●	●
Hands-free direction control, HFDC, in accelerator pedal	●	●	●	●	●	●	●
Hand-operated direction control	●	●	●	●	●	●	●
Ergologic Joystick	●	●	●	●	●	●	●
Fingertip controls	●	●	●	●	●	●	●
Midi steering wheel	●	●	●	●	●	●	●
Key switch entry	●	●	●	●	●	●	●
Creep speed at preset level 500 mm	●	●	●	●	●	●	●
Creep speed at other levels	●	●	●	●	●	●	●
LoadSteady+ Increased performance	●	●	●	●	●	●	●
ELECTRIC							
Blue / Red point safety light, towards driving direction	●	●	●	●	●	●	●
Automatic logoff	●	●	●	●	●	●	●
Working lights LED	●	●	●	●	●	●	●
Working lights LED for cabin	●	●	●	●	●	●	●
Warning light on the roof	●	●	●	●	●	●	●
Warning light for Heated cabin	●	●	●	●	●	●	●
12 V connector	●	●	●	●	●	●	●
Converter 48 - 12 V	●	●	●	●	●	●	●
Radio with MP3	●	●	●	●	●	●	●
Service alarm	●	●	●	●	●	●	●
OHG AND CABIN							
Heated cabin**	●	●	●	●	●	●	●
Window opening in cabin door (CSM)	●	●	●	●	●	●	●
2-way intercom for cold store cabin (CSM)	●	●	●	●	●	●	●
Panoramic MaxVision roof	●	●	●	●	●	●	●
Mesh metal on overhead guard	●	●	●	●	●	●	●
Heated seat – fabric	●	●	●	●	●	●	●
Heated seat – PVC	●	●	●	●	●	●	●
Headrest for seat	●	●	●	●	●	●	●
Rear view mirror	●	●	●	●	●	●	●
Writing desk	●	●	●	●	●	●	●
Equipment holder, RAM system size C	●	●	●	●	●	●	●
Equipment holder, RAM system size C, 2 pcs	●	●	●	●	●	●	●
Equipment holder, RAM system size D	●	●	●	●	●	●	●
WHEEL OPTIONS							
Vulkolan® traction wheel 93 Shore	●	●	●	●	●	-	●
Vulkolan® traction wheel 95 Shore	●	●	●	●	●	●	●
Tractothan® traction wheel 93 Shore	●	●	●	●	●	●	●
Load wheel Ø 230mm	●	●	-	●	●	-	-
Load wheel Ø 285mm	-	●	●	●	●	●	●
Load wheel brakes, incl. Ø 285mm load wheel	-	●	●	●	●	●	●
Load wheel covers	●	●	●	●	●	●	●
ENVIRONMENT							
Cold store design, 0C° to -30C°**	●	●	●	●	●	●	●

** Not in combination with Li-ion battery

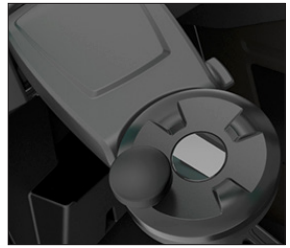
SENSIA EM

RB16-25N3(H)(S)(X) Series

REACH TRUCKS

1.6 – 2.5 tonnes

Ergologic joystick



Midi steering wheel

2-way intercom for cold store cabin

WHEN RELIABILITY IS EVERYTHING...

Like any product bearing the Mitsubishi Forklift Trucks name, our materials handling equipment benefits from the tremendous heritage, huge resources and cutting-edge technology of one of the world's largest corporations – Mitsubishi Heavy Industries Group.

Engineering spacecraft, jet planes, power plants and more, MHI specialises in those technologies where performance, dependability and superiority decide your success or failure...

So when we promise you quality, reliability and value for money, you know it's a guarantee we have the power to deliver.

That's why every model in our award winning and comprehensive range of lift trucks and warehouse equipment is built to a high specification – to ensure it keeps working for you. Day after year. Whatever the job. Whatever the conditions.

YOU'LL NEVER WORK ALONE

As your local authorised distributor, we are here to keep your trucks working – through our extensive experience, our technical excellence and our commitment to customer care.

We are your local experts, backed by efficient channels to the entire organisation of Mitsubishi Forklift Trucks.

No matter where you are, we are close by – with the capability to meet your needs.

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Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with non-standard options.

Specific performance requirements and locally available configurations should be discussed with your distributor.

We follow a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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info@mitforklift.com

WESM2664 (04/26)

Logisnext Europe B.V.
Hospitaaldreef 29 (Floor 13)
1315 RC Almere
The Netherlands
Tel: +31 (0)36 5494 411

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