RB14N3(C) Series

LIGHT REACH TRUCKS

1.4 tons

SMALL IN SIZE... BIG ON FEATURES

Incredibly nimble, the RB14N3(C) series offers high productivity and exceptional value in a light reach truck. An impressive achievement in a truck this size, it strikes the perfect balance between cutting-edge features and low total cost of operation.

SPECIFICATIONS

RB14N3C

Model shown: RB14N3C with option rail guidance for Drive - In racks

WHEN RELIABILITY IS EVERYTHING...

MITSUBISHI FORKLIFT TRUCKS

RB14N3(C) Series
LIGHT REACH TRUCKS

1.4 tons

And with a host of exceptional ergonomic features, it's sure to be a favourite of operators. Adjustable seating, and a choice of adjustable controls make driving feel natural and incredibly intuitive for operators of all sizes.

Specially designed for drive-in racking applications. the RB14N3C model keeps the same compact chassis and performance, yet lifts to even greater heights.

BRAKES

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

DRIVE

- **Intelligent Cornering System**
- 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

- **Advanced on-board computer** Stores power and hydraulic preference settings for up to 350 di erent users.
- **Stability Support System (S3)** Hydraulic functions such as mast optimised along with a reach damping function to make pallet placement and retrieval quicker. (Standard on N3C model.)
- **S3 - 2 (option)**
- Works to adjust maximum travel speed in relation to actual load weight for the best levels of performance.

FORKS AND MAST

- **MaxVision mast** This maximises operator field of vision for increased productivity.
- **Level Assistance System** Automatically detects the operator's intention and automatically stops when the forks at precisely at the right level. (N3C model option only)
- **Mast Tilt Control (MTC)**
- The automatic damping function absorbs unwanted mast movements, reduces the speeds of tilt, side shift and angle, and ensures 80 percent faster mast stabilisation.
- **Low noise mast**
- damping and cutting edge design contribute to very low operational noise levels.

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.
- **EasyAccess battery compartment** This allows quick access for checks and maintenance.
- **Compact design** 1120mm width allows for easy operation in narrow spaces.

HYDRAULICS

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

RB14N3(C) Series

LIGHT REACH TRUCKS

1.4 tons

OPERATOR COMPARTMENT AND CONTROLS

- **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** Including ergonomic hand bars, low non-slip step and wide entry provides 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.
- **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.
- **Optional fingertip hydraulic controls** Integrated, fully adjustable, and allows effortless precision.

STEERING SYSTEM

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

Continuing improvement may lead to changes in these specifications

VDI - PERFORMANCE & DIMENSIONS

	CHARACTERISTICS			
1.1	Manufacturer			Mitsubishi Forklift Trucks
1.2	Manufacturer's model designation			RB14N3C
1.3	Power source			Battery
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	1400
1.6	Load center distance	c	mm	600
1.8	Load wheel axle to fork face (forks lowered)	x	mm	see table
1.9	Wheelbase	y	mm	1378
	WEIGHT			
2.1b	Truck weight without load, with maximum battery weight		kg	3410
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	1780 / 1230
2.4	Axle loading, mast forward, with nominal load, drive / load side		kg	570 / 3840
2.5	Axle loading, mast retracted, with nominal load, drive / load side		kg	1450 / 2960
	WHEELS, DRIVE TRAIN			
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul
3.2	Tyre dimensions, drive side		mm	355 x 155
3.3	Tyre dimensions, load side		mm	220 x 85
3.5	Number of wheels, load / drive side (x=driven)			2 / 1 x
3.7	Track width (center of tyres), load side	b11	mm	995
	DIMENSIONS			
4.1	Fork tilt, forwards / backwards	˜, ß	°	1 / 4
4.2a	Height with mast lowered	h1	mm	see table
4.3	Free lift	h2	mm	see table
4.4	Lift height	h3	mm	see table
4.5	Height with mast extended	h4	mm	see table
4.7	Height to top of overhead guard	h6	mm	2205
4.8	Seat- or stand height	h7	mm	1146[1)]
4.10	Height of support legs	h8	mm	235
4.15	Fork height, fully lowered	h13	mm	65
4.19	Overall length	l1	mm	see table
4.20	Length to fork face	l2	mm	see table
4.21	Overall width	b1/b2	mm	1120
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm	40 / 100 / 1150
4.23	Fork carriage to DIN			FEM 2A
4.24	Fork carriage width	b3	mm	830
4.25	Outside width over forks (minimum / maximum)	b5	mm	316 / 697
4.26	Inner width of support legs	b4	mm	900
4.28	Mast reach	l4	mm	see table
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	70
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	see table
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	see table
4.35	Turning radius	Wa	mm	see table
4.37	Truck length including support legs	l7	mm	1725

Continuing improvement may lead to changes in these specifications

RB14N3(C) Series
LIGHT AND NARROW REACH TRUCKS
1.4 tons

VDI - PERFORMANCE & DIMENSIONS

RB14N3(C) Series
LIGHT AND NARROW REACH TRUCKS
1.4 tons

	PERFORMANCE		
5.1	Travel speed, with / without load	km/h	12.3 / 12.5
5.2	Lifting speed, with / without load	m/s	0.32 / 0.49
5.3	Lowering speed, with / without load	m/s	0.57 / 0.48
5.5	Rated drawbar pull, with / without load	N	0.2 / 0.2
5.8	Maximum gradeability with / without load	%	13.1 / 19.6
5.9	Acceleration time (10 metres) with / without load	s	4.9 / 4.4
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)		Electric
ELECTRIC MOTORS			
6.1	Drive motor capacity (60 min. short duty)	kW	5,9
6.2	Lift motor output at 15% duty factor	kW	11
6.4	Battery voltage/capacity at 5-hour discharge	V/Ah	48 - 465 /620 / 775
6.5	Battery weight	kg	708 / 890 / 1063
6.6b	Energy consumption according to VDI 60 cycle	kW / h	5.1
	MISCELLANEOUS		
8.1	Type of drive control		Stepless
10.1	Maximum operating pressure for attachments	bar	150
10.2	Oil flow for attachments	l / min	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	dB(A)	57.4

1) Measured with standard seat to SIP point
9) Mast tilt
10) T mast 11)
DTFV mast

Continuing improvement may lead to changes in these specifications

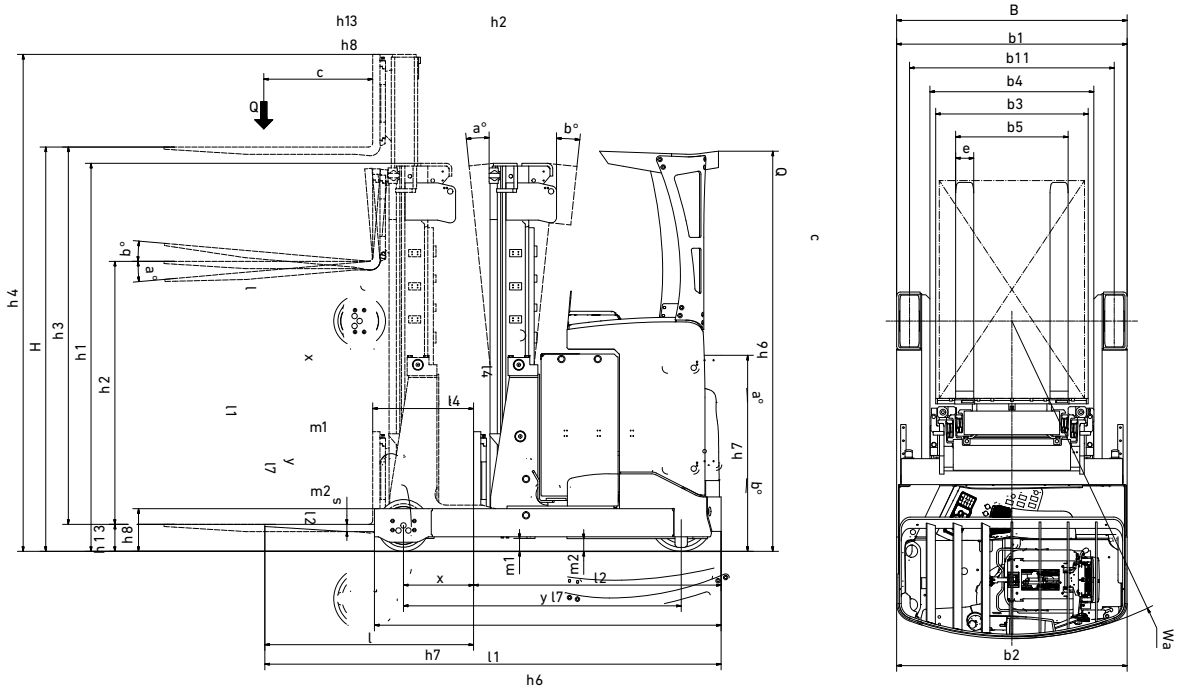
MAST PERFORMANCE AND CAPACITY

RB14N3(C) Series

RB14N3C				
	h3 + h13 mm	h1 mm	h2 + h13 mm	h4 mm
DTFV TRIPLEX	4800	2153	1645	5345
	5400	2353	1845	5945
	5700	2453	1945	6245
	6300	2653	2145	6845
	6750	2803	2295	7295
	7250	2970	2462	7795
	7950	3203	2695	8495
	8450	3370	2862	8995
	8950	3536	3028	9495

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
RB14N3C	465	708	2716	2771	457	1293	2443	305	1598
	620	890	2786	2861	367	1383	2533	215	1598
	775	1063	2859	2945	227	1473	2623	125	1598

1) T mast +7mm
2) T mast +17mm
3) T mast +9mm
4) T mast +18mm
5) T mast -28mm
6) T mast -8mm



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

h Ast = Wa + $\sqrt{(l6 - x)^2 + (b12 / 2)^2}$ + a Ast = Working aisle width with load
h Ast3 = Working aisle width (b12<1000 mm)
h Ast3 = Wa + l6 - x + a Wa = Turning radius
l = Pallet lenght (1200 mm)
x = Load wheel axle to fork face b12 = Pallet width (800 or 1000 mm)
xi = Safety clearance = 2 x 100 mm

WHEN RELIABILITY IS EVERYTHING...

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 day. Year 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.

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 nonstandard 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.

WESM2278 -01 (04/26)

MITSUBISHI FORKLIFT TRUCKS

RB16-25N3(H)(X) Series

REACH TRUCKS

1.6 - 2.5 tons

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

RB14N3C	RB20N3
RB16N3	RB20N3H
RB16N3H	RB20N3HX
	RB25N3H

WHEN RELIABILITY IS EVERYTHING...

MITSUBISHI FORKLIFT TRUCKS

RB16-25N3(H)(X) Series

REACH TRUCKS

1.6 – 2.5 tons

With lift heights of up to 12 metres, you'll always have a clear view on the load thanks to our MaxVision masts. It maximises visibility, while remaining exceptionally stable. This is a series that prides itself on going that extra step and always in the most way efficient possible.

And while it houses a smart brain, its exterior is tough and highly robust, making it ideal for incredibly intensive operations. Combine that with legendary reliability and low total cost of operation and you'll see why we think so highly of it.

BRAKES

- **Load wheel brakes (option)** Allows braking with all three wheels for efficient operation on lower-friciton surfaces such as cold stores.

DRIVE

- **Intelligent Cornering System** 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 (option)** Motor rollers are available for a quicker one-minute change.
- **Advanced on-board computer** Stores power and hydraulic preference settings for up to 350 di erent users.
- **Stability Support System (S3)**
  Hydraulic functions such as mast reach and mast tilt are automatically optimised along with a reach damping function to make pallet placement and retrieval quicker.
- **S3 - 2 (option)**
- Works to adjust maximum travel speed in relation to actual load weight for the best levels of performance.

FORKS AND MAST

- **MaxVision mast** This maximises operator field of vision for increased productivity.
- **Level Assistance System (option)** Automatically detects the operator's intention and automatically stops when the forks at precisely at the right level.
- **Mast Tilt Control (MTC)** 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.
- **EasyAccess battery compartment** This allows quick access for checks and maintenance.
- **Robust chassis**
- Built for intensive operations, with great inherent strength and high residual values.

HYDRAULICS

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

RB16-25N3(H)(X) Series
REACH TRUCKS

1.6 – 2.5 tons

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 ergonomic backrest**
- Drivers are kept comfortable and alert through long shifts.
- **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.
- **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.
- **Optional fingertip hydraulic**
- **controls** Integrated, fully adjustable, and allows effortless precision.
- **Motor battery bed (option)** Motor rollers are available for a quicker one-minute change.

STEERING SYSTEM

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

VDI - PERFORMANCE & DIMENSIONS

RB16-20N3(H) Series
REACH TRUCKS
1.6 – 2.0 tons

	CHARACTERISTICS					
1.1	Manufacturer			Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
1.2	Manufacturer's model designation			RB16N3	RB16N3H	RB20N3
1.3	Power source			Battery	Battery	Battery
1.4	Operator type			Seated	Seated	Seated
1.5	Load capacity	Q	kg	1600	1600	2000
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	1448	1420	1530
WEIGHT						
2.1b	Truck weight without load, with maximum battery weight		kg	3590	4320	4140
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	2000 / 1190	2360 / 1760	2290 / 1450
2.4	Axle loading, mast forward, with nominal load, drive / load side		kg	650 / 4140	1040 / 4680	550 / 5190
2.5	Axle loading, mast retracted, with nominal load, drive / load side		kg	1750 / 3040	1900 / 3820	2040 / 3700
	WHEELS, DRIVE TRAIN					
3.1	Tires: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul	Vul	Vul
3.2	Tire dimensions, drive side		mm	355 x 155	355 x 155	355 x 155
3.3	Tire dimensions, load side		mm	285 x 105	285 x 105	285 x 105
3.5				2 / 1 x	2 / 1 x	2 / 1 x
3.7	i	b11	mm	1128	1128 / 1255	1128 / 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	1270 / 1397	1270 / 1397
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm	40 / 100 / 1150	40 / 100 / 1150	42 / 100 / 1150
4.23	Fork carriage to DIN			FEM 2A	FEM 2A	FEM 2A

1) Measured with standard seat to SIP point

Continuing improvement may lead to changes in these specifications

VDI - PERFORMANCE & DIMENSIONS

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	912	903 / 1030	903 / 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	1800	1800	1910
	PERFORMANCE					
5.1	Travel speed, with / without load		km/h	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5
5.2	Lifting speed, with / without load		m/s	0.49 / 0.80	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	0.55 / 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		%	14.9 / 19.6	11 / 15.2	11 / 16.5
5.9	Acceleration time (10 metres) with / without load		s	4.8 / 4.4	5.1 / 4.6	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 - 465 / 620 / 775	48 - 620 / 775	48 - 620 / 775 / 930
6.5	Battery weight		kg	712 / 892 / 1063	892 / 1063	892 / 1063 / 1240
6.6b	Energy consumption according to VDI 60 cycle		kW / h	5.3	5.3	5.3
	MISCELLANEOUS					
8.1	Type of drive control			Stepless	Stepless	Stepless
10.1	Maximum operating pressure for attachments		bar	150	150	150
10.2	Oil flow for attachments		l / min	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		dB(A)	60.8	60.8	60.8

RB16-20N3(H) Series
REACH TRUCKS

1.6 – 2.0 tons

1) Measured with standard seat to SIP point

VDI - PERFORMANCE & DIMENSIONS

RB20-25N3(H)(X) Series
REACH TRUCKS
2.0 – 2.5 tonnes

	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 / 1397	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

1) Measured with standard seat to SIP point

Continuing improvement may lead to changes in these specifications

VDI - PERFORMANCE & DIMENSIONS

RB20-25N3(H)(X) Series
REACH TRUCKS

2.0 – 2.5 tonnes

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 / 1030	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	12.5 / 12.5	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		kW / h	5.3	5.3	5.3
	MISCELLANEOUS					
8.1	Type of drive control			Stepless	Stepless	Stepless
10.1	Maximum operating pressure for attachments		bar	150	150	150
10.2	Oil flow for attachments		l / min	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		dB(A)	60.8	60.8	60.8

1) Measured with standard seat to SIP point

Continuing improvement may lead to changes in these specifications

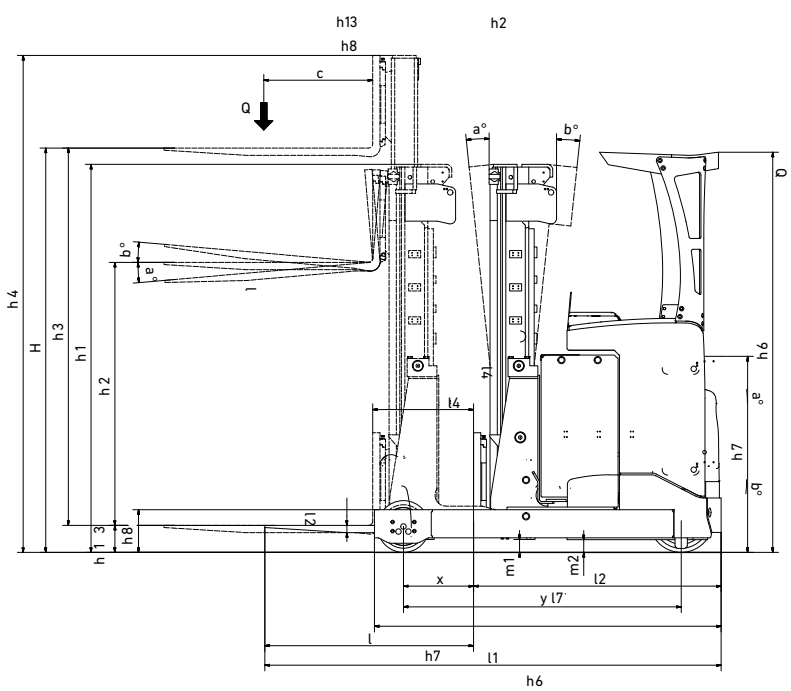
MAST PERFORMANCE AND CAPACITY

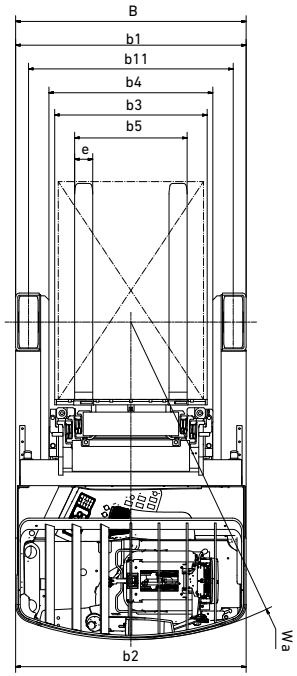
MODEL	BATTERY CAPACITY	BATTERY WEIGHT	4.33a AST	4.34a AST	4.28 L4	4.20 L2	4.19 L1	1.8 x	4.35 Wa
	Ah	kg	mm	mm	mm	mm	mm	mm	mm
RB16N3	465	708	2689	2728	596	1229	2379	439	1668
	620	892	2740	2792	524	1301	2451	367	1668
	775	1063	2794	2857	490	1373	2535	295	1668
RB16N3H	620	892	2768	2832	418	1335	2485	306	1773
	775	1063	2824	2898	418	1407	2557	234	1773
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	2877	2914	628	1412	2562	439	1850
	930	1240	2928	2978	556	1484	2634	367	1850

+ a Ast = Working aisle width with load
Ast3 = Working aisle width (b12<1000 mm) Ast3 = Wa + l6 - x + a Wa = Turning radius

$$Ast = Wa + \sqrt{(l6 - x)^2 + (b12 / 2)^2}$$

l6 = Pallet length (1200 mm)
x = Load wheel axle to fork face
b12 = Pallet width (800 or 1000 mm)
a = Safety clearance = 2 x 100 mm





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WESM2279-01 (04/26)

MITSUBISHI FORKLIFT TRUCKS