Like any product bearing the "MITSUBISHI" 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 day. Year after year. Whatever the job. Whatever the conditions.

YOU'LL NEVER WORK ALONE

As your local authorised dealer, 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.

Discover how Mitsubishi Forklift Trucks give you more from your local authorised dealer or when you visit our website www.mitforklift.com.sg

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

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SENSÍA EX (2.0 - 2.5 TONS)





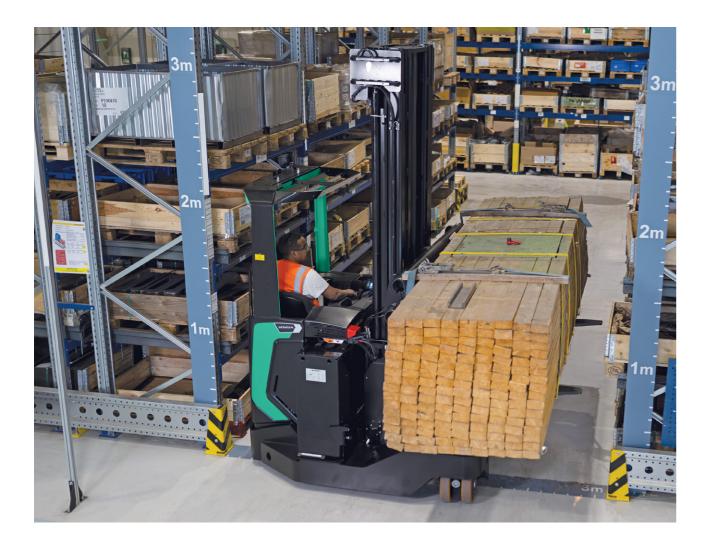
MOVE THE WORLD FORW ► RD MITSUBISHI HEAVY INDUSTRIES GROUP





THE WIDE-LOAD SPECIALIST WITH NARROW AISLE AGILITY

The **SENSIA EX** multi-way reach truck takes narrow aisles, unusual loads and long shifts in its stride, all while lifting up to 10 metres.



DRIVE

- Six multiway driving modes, instantly selected by keypad Reach truck, lateral, parallel, autotransition, rotational and agile cornering.
- Sensitive Drive System

An intuitive driver-assist system for increased safety. Performance is managed according to steer angle and the velocity of foot and finger controls.

- High-efficiency drive motors and hydraulic systems Exceptional shift length between charges or changes.
- Wide drive wheel Wheel life is extended through even traction and heat distribution.
- Next-generation 360° load wheels These feature independently controlled steer motors.

- Load wheels turn within chassis leg profile Added protection for wheels and loads.
- Powerful AC drive motor High torque, even at faster speeds. Efficient, smooth, and quiet performance which lowers service costs.
- Choice of two operation modes (ECO and PRO) The truck's performance can be tailored for enhanced performance or extended shift life.

BRAKES

- High-efficiency regenerative braking This gives more effective control and reduces brake wear
- Hydraulic load wheel brakes Extra braking power and agile performance.

ELECTRICAL AND CONTROL SYSTEMS

- High performance ZAPI motor drive controller Efficient traction control.
- Site-specific performance characteristics These can be quickly set by a service engineer
- DIN standard battery compartment Wide choice of motive power available.
- Broad battery change rollers Standard in all models.
- CAN bus system Less wiring for quick and easy fault finding.
- Maintenance interval calculator This helps to encourage correct regular servicing to minimise potential downtime.
- **Temperature control** This prevents motors and controllers from sustaining damage from overheating.
- Tilting battery cover Quick, easy access for maintenance and charging.
- Battery rollers Changes are quick, easy and safe.





FORKS AND MAST

- Smooth mast handling system on lift and reach Steady, predictable and precise handling.
- Wide fork positioner with up to 2200mm spread and fork tilt
 Handles both long loads and standard pallets.
- Exceptionally smooth 'no knock' transition between mast stages

Exact performance is ensured throughout lift range.

- Passive Sway Control The chassis moves slightly to compensate for elevated load motion and dampen it.
- Electronic mast cushioning at top and bottom of travel This avoids end-of-range jolting and further reduces load oscillation.
- Long-life reach roller rails and rapid part exchange Maintenance hours are minimised.
- Lift heights up to 10 metres Allows handing at high levels.
- Lift height indicator Displays on the main screen.



FRAME AND BODY

- Choice of 2000kg and 2500kg capacities Truck can be configured for different applications.
- Robust chassis The truck has great inherent strength and high residual values.
- RapidAccess 'tilt-swing' access panels, seat and steering column
 Quick, easy access for internal repairs.
- Clearview overhead guard Slim, angled slats give optimal view upwards without compromising safety.

STEERING SYSTEM

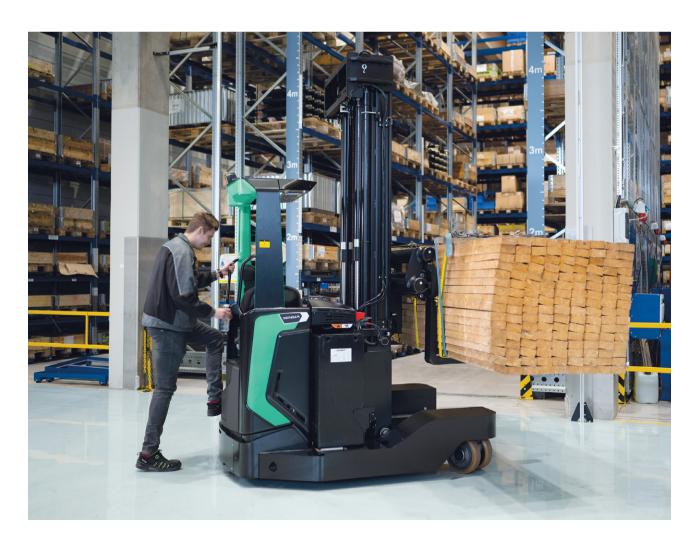
• Unlimited 360° progressive electric steering Manoeuvring is easy at low speeds and offers effortless control at higher speeds.





OPERATOR COMPARTMENT AND CONTROLS

- **Dual joysticks** Dual joysticks offer simultaneous functions for lift and tilt, and settings can be customised to user requirements.
- Spacious and comfortable operator compartment Operator fatigue is reduced, even on long shifts, keeping productivity high.
- Wide choice of comfortable seats Options include air suspension, lumbar support, arm and head-rests, seat heater and more.
- Multifunctional armrest with fingertip controls Operators' arm is well supported and cuts down on unnecessary movement. Patented fingertip controls have modulated response curves for natural movement.
- Ergonomic armrest Adjustable and matches natural operating position to reduce fatigue.
- Low-effort, small-radius steering wheel Comfortable and effortless to operate.
- Contactless pedal sensor This contributes to a longer service life.
- QuickLocker Small items can be conveniently stowed.



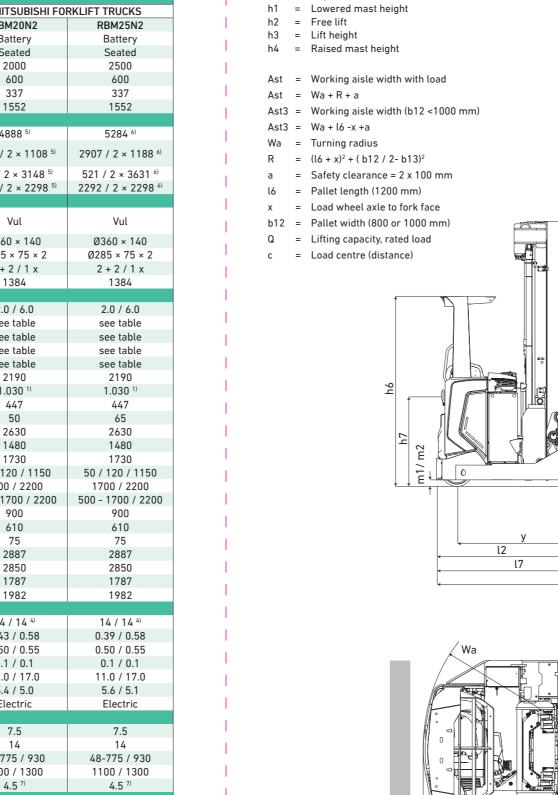
- Clear information display The driver is given key information such as guidance, warning, and alarms.
- Folding steering wheel console Adjustable column length and angle to adapt driving position to dfferent drivers.
- Ergonomic pedal set design Operators get familiar, natural control and minimal fatigue.
- Solid overhead guard panel above driver Additional safety without restricting visibility.
- Generous driver storage spaces Ample room for documents, tools, pens, etc.
- Low dashboard Unobstructed forwards view to low loads
- SoftTouch cabin surfaces The working environment is comfortable
- Multi-lingual screen Supports over 20 languages.
- Easy-access compartment This features ergonomic hand bars, low non-slip step and entry provides safe and effortless entry and exit.

SPECIFICATION

1	CHARACTERISTICS Manufacturer			MITSUBISHLEO	RKLIFT TRUCKS
2				RBM20N2	RBM25N2
	Manufacturer's model designation				-
3	Power source			Battery	Battery
	Operator type	0		Seated	Seated
5	Load capacity	Q	kg	2000	2500
.	Load center distance	С	mm	600	600
7	Load wheel axle to fork face (forks lowered)	Х	mm	337	337
3	Wheelbase	У	mm	1552	1552
	WEIGHT				
7	Truck weight without load, with maximum battery weight		kg	4888 5)	5284 ⁶⁾
0	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	2672 / 2 × 1108 ⁵⁾	2907 / 2 × 1188 ⁶⁾
11	Axle loading, mast forward, with nominal load, drive / load side		kg	591 / 2 × 3148 ⁵⁾	521 / 2 × 3631 6)
2	Axle loading, mast retracted, with nominal load, drive / load side		kg	2292 / 2 × 2298 ⁵⁾	2292 / 2 × 2298 6)
	WHEELS, DRIVE TRAIN		, ,		
	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane,				
13	N = Nylon, R = Rubber drive / load side			Vul	Vul
4	Tyre dimensions, drive side		mm	Ø360 × 140	Ø360 × 140
5	Tyre dimensions, load side		mm	Ø285 × 75 × 2	Ø285 × 75 × 2
16	Number of wheels, load / drive side (x = driven)			2 + 2 / 1 x	2 + 2 / 1 x
17	Track width (center of tyres), load side	b11	mm	1384	1384
17	DIMENSIONS	ווט	mm	1304	1304
10		2.0	0	20//0	20//0
18	Fork tilt, forwards / backwards	ə, ß		2.0 / 6.0	2.0 / 6.0
19	Height with mast lowered	h1	mm	see table	see table
20	Free lift	h2	mm	see table	see table
21	Lift height	h3	mm	see table	see table
22	Height with mast extended	h4	mm	see table	see table
23	Height to top of overhead guard	h6	mm	2190	2190
24	Seat- or stand height	h7	mm	1.030 ¹⁾	1.030 ¹⁾
25	Height of support legs	h8	mm	447	447
26	Fork height, fully lowered	h13	mm	50	65
27	Overall length	l1	mm	2630	2630
28	Length to fork face	12	mm	1480	1480
29	Overall width	b1/b2	mm	1730	1730
30	Fork dimensions (thickness, width, length)	s/e/l	mm	50 / 120 / 1150	50 / 120 / 1150
31	Fork carriage width	b3	mm	1700 / 2200	1700 / 2200
32	Outside width over forks (minimum / maximum)	b5		500 - 1700 / 2200	500 - 1700 / 2200
			mm		
33	Inner width of support legs	b4	mm	900	900
34	Mast reach	14	mm	610	610
35	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	75	75
36	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	2887	2887
37	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast3	mm	2850	2850
38	Turning radius	Wa	mm	1787	1787
39	Truck length including support legs	l7	mm	1982	1982
	PERFORMANCE				
40	Travel speed, with / without load		km/h	14 / 14 4)	14 / 14 ⁴⁾
41	Lifting speed, with / without load		m/s	0.43 / 0.58	0.39 / 0.58
42	Lowering speed, with / without load		m/s	0.50 / 0.55	0.50 / 0.55
43	Rated drawbar pull, with / without load		N	0.1 / 0.1	0.1 / 0.1
44	Maximum gradeability with / without load		%	11.0 / 17.0	11.0 / 17.0
45	Acceleration time (10 metres) with / without load		s	5.4 / 5.0	5.6 / 5.1
46	Service brakes (mechanical / hydraulic / electric / pneumatic)		5	Electric	Electric
20	ELECTRIC MOTORS				
47	Drive motor capacity (60 min. short duty)		kW	7.5	7.5
	Lift motor output at 15% duty factor			14	14
48			kW		
49	Battery voltage/capacity at 5-hour discharge		V/Ah	48-775 / 930	48-775 / 930
50	Battery weight		kg	1100 / 1300	1100 / 1300
51	Energy consumption according to VDI 60 cycle		kWh / h	4.5 ⁷⁾	4.5 ⁷⁾
	MISCELLANEOUS				
52	Type of drive control			Stepless	Stepless
53	Level of noise at the ear level of the driver according to		dB(A)	68	68
55	EN 12 053:2001 and EN ISO 4871 in work LpAZ		UD(A)	00	00
54	Level of noise at the ear level of the driver according to		dB(A)	80	80
54	EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		UD(A)	oU	80
55	Whole-body vibration (EN 13 059:2002)			0.5	0.5
56	Hand-arm vibration (EN 13 059:2002)			< 2.5	< 2.5

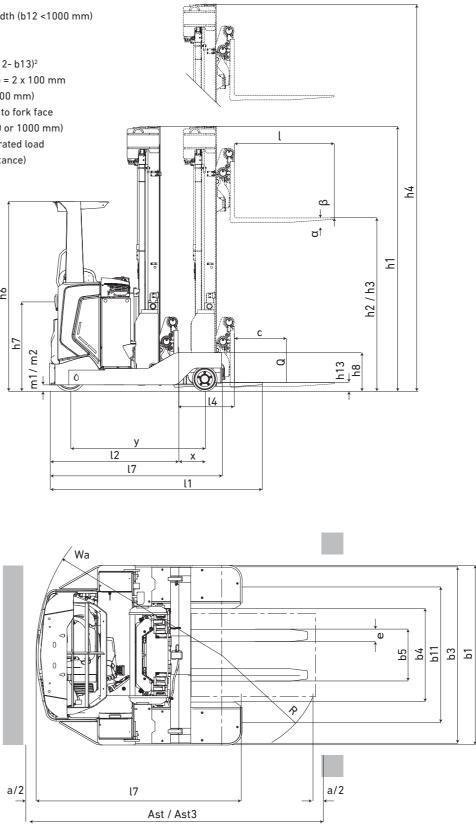
1) Measured with standard seat to SIP point 4) Max drive speed to fork direction 9km/h

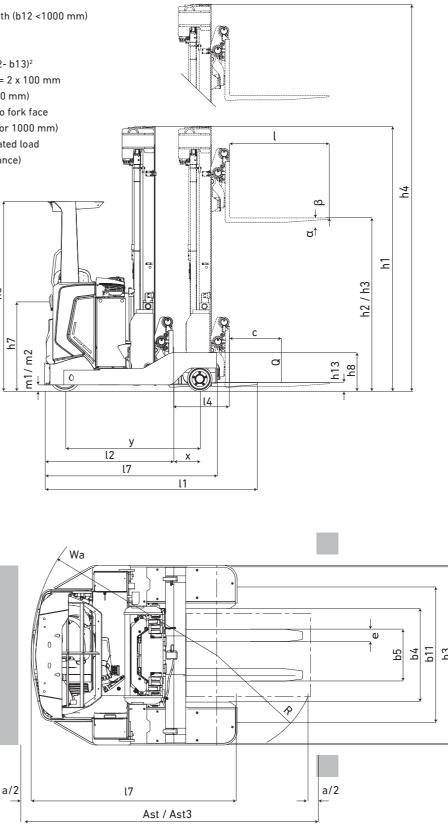
5) Weight values measured with 5700mm lift height mast & 775Ah battery 6) Weight values measured with 10000mm lift height mast & 930Ah battery 7) Energy consumption values measured with 5700mm lift height mast



TREV = Triplex with free lift









MULTI-WAY REACH TRUCKS

2.0 - 2.5 TONS

MAST PERFORMANCE AND CAPACITY

RBM20N2 / RBM25N2							
MAST TYPE	h1 mm	h2 mm	h3 mm	h4 mm			
	2230	1655	4800	5630			
	2510	1800	5400	6200			
	2610	1900	5700	6500			
	2677	1967	5900	6700			
	2810	2100	6300	7100			
TREV	3043	2333	7000	7800			
IREV	3210	2500	7500	8300			
	3377	2666	8000	8800			
	3543	2833	8500	9300			
	3710	3000	9000	9800			
	3877	3167	9500	10300			
	4043	3334	10000*	10800			

TRE	V =	Triplex with free lift
h1	=	Lowered mast height

= Lowered mast height

h2 = Free lift

h3 = Lift height

h4 = Raised mast height

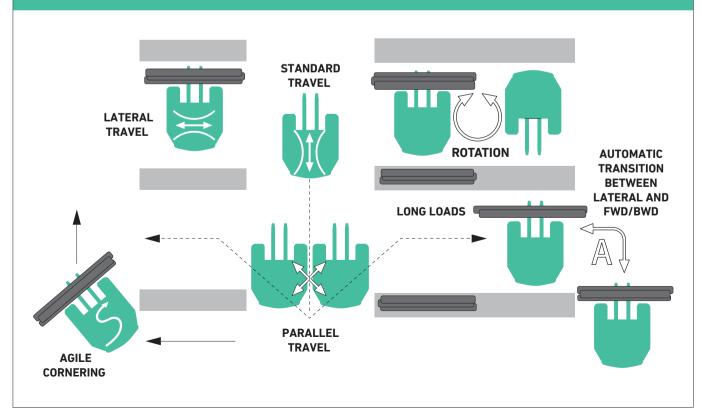
Ast	=	Working	aisle	width	with load	d
-----	---	---------	-------	-------	-----------	---

Ast	=	Wa + R + a	a

- Ast3 = Working aisle width (b12 <1000 mm) Ast3 = Wa + l6 -x +a
- Wa = Turning radius
- $= \sqrt{(l6 + x)^2 + (b12 / 2 b13)^2}$ R
- = Safety clearance = 2 x 100 mm а
- = Pallet length (1200 mm) 16
- = Load wheel axle to fork face х b12 = Pallet width (800 or 1000 mm)
- Q = Lifting capacity, rated load
- = Load centre (distance) С

MODEL	BATTERY CAPACITY	BATTERY WEIGHT	4.33a (1000 x 1200mm crosswise) AST	4.33b (800 x 1200mm lengthwise) AST3	4.28 L4	4.20 L2	4.19 L1	1.8 x
	Ah	kg	mm	mm	mm	mm	mm	mm
RBM20N2 /	775	1100	2887	2850	610	1480	2630	337
RBM25N2	930	1300	2887	2850	610	1480	2630	337

SIX MULTIWAY DRIVING MODES - KEYPAD BUTTONS





STANDARD EQUIPMENT AND OPTIONS

	RBM20N2	RBM25N2
GENERAL		
Operator selectable economy or high performance modes ECO/PRO	•	•
Multifunctional color display (Hour-meter, BDI, Drive speed, time & date display)	•	•
360 degree steering with fully adjustable steering column	•	٠
Drive speed limitation according to lift height	•	•
Load wheel brakes	•	•
Trucktool setup and diagnostics	•	•
Lateral battery change, chassis integrated roller bed	•	٠
Key switch	•	•
PIN code access with start switch	•	•
Finger-tip hydraulics	0	0
POWER SOURCE		
Lead-acid battery	0	0
MAST, FORKS AND CARRIAGE		
Fork positioner, width over forks 500 -1.700mm	•	•
Fork positioner with sideshift, width over forks 500 - 2.200mm	0	0
DRIVE AND LIFT CONTROLS		
Variable speed control on all hydraulic controls	•	•
Curve control	•	•
Armrest direction control	•	•
6 multiway steering modes	•	•
Electric load wheel brakes	•	•
Dual joystick	0	0
ELECTRIC		-
Blue point safety light, towards driving direction	0	0
Reading lamp	0	0
Drive light LED	0	0
Working lights LED, mounted on mast towards fork direction	0	0
Warning light (yellow) on the roof	0	0
Drive alarm Pin code access	0	0
	0	0
Current output	0	0
Audio system, incl. speakers, 3.5mm jack connector DHG AND CABIN	0	0
Grammer MSG20 cloth seat	•	•
Seat belt for MSG20	0	•
Grammer MSG65 cloth seat with seat belt	0	0
Grammer MSG65 cloth seat with seat belt interlock switch	0	0
Grammer MSG65 cloth seat with seat bett interfock switch	0	0
Backrest extension for MSG65 seat	0	0
	J	0
Frammer MSG75 witth air suspension safety helt arm rest and hackrest extension	0	•
Grammer MSG75 witth air suspension, safety belt, arm rest and backrest extension	0	0
Grammer MSG75 cloth seat with seat belt interlock switch	0	0 0
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating		
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view	0 0	0
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover	0 0 0	0
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher	0 0 0 0	0 0 0
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack	0 0 0 0	0 0 0
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket	0 0 0 0 0	
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket Computer bracket	0 0 0 0 0 0 0	
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Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket Computer bracket Operator compartment fan WHEEL OPTIONS	0 0 0 0 0 0 0 0 0	
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket Computer bracket Operator compartment fan WHEEL OPTIONS 'Powerthane" polyurethan traction and load wheels	0 0 0 0 0 0 0 0	
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket Computer bracket Operator compartment fan WHEEL OPTIONS 'Powerthane" polyurethan traction and load wheels 'Vulkollan" traction and load wheels	0 0 0 0 0 0 0 0 0 0 0	
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket Computer bracket Operator compartment fan WHEEL OPTIONS 'Powerthane" polyurethan traction and load wheels 'Vulkollan" traction and load wheels Grooved "vulkollan" traction and load wheels		
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket Computer bracket Operator compartment fan WHEEL OPTIONS 'Powerthane" polyurethan traction and load wheels 'Vulkollan" traction and load wheels Grooved "vulkollan" traction and load wheels Power friction traction wheel	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Grammer MSG75 cloth seat with seat belt interlock switch Grammer MSG75 cloth seat with heating Rear view mirror, wide view Plexi or steel net roof cover Fire extinguisher Acessory rack A4 list bracket Computer bracket Operator compartment fan WHEEL OPTIONS 'Powerthane" polyurethan traction and load wheels 'Vulkollan" traction and load wheels Grooved "vulkollan" traction and load wheels		

SENSIA EX RBM20-25N2 Series MULTI-WAY REACH TRUCKS



Spacious and comfortable operator compartment



Dual joystick



Ergonomic pedal set design

Multifunctional color display

Blue point safety light

Grammer cloth seat with seat belt