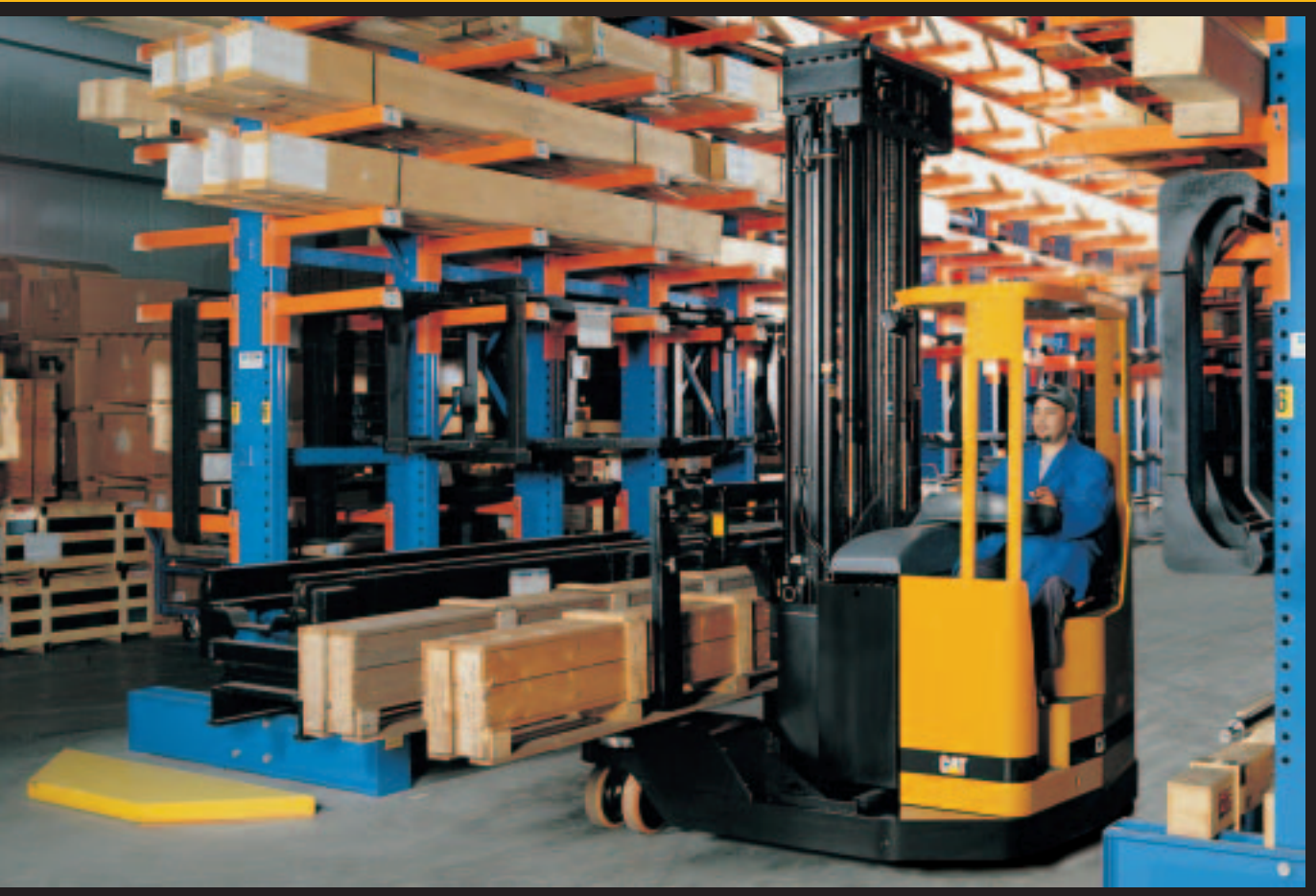


Multi-Way Reach Trucks • 2.0 - 2.5 t



CATERPILLAR®

**NRM20K
NRM25K**

Characteristics					
1.1	Manufacturer			Caterpillar	Caterpillar
1.2	Model			NRM20K	NRM25K
1.3	Power source (Electric, Diesel, Petrol, Gas)			Electric	Electric
1.4	Operating mode (pedestrian, stand-on, sit-on)			Sit-on	Sit-on
1.5	Nominal capacity / load	t	Q	2.0	2.5
1.6	Load centre	mm	c	600	600
1.8	Load wheel axle to fork face (forks lowered)	mm	x	(see table)	(see table)
1.9	Wheelbase (forks lowered)	mm	y	1485	1485
Weights					
2.1	Truck weight (with nominal load & battery)	kg		6550 (800 Ah)	7300 (800 Ah)
2.3	Axle loadings (without load & with battery), drive/load side	kg		2700 / 2x 925	2900 / 2x 950
2.4	Axle loadings (with nominal load & battery) mast out, drive/load side	kg		850 / 2x 2850	600 / 2x 3350
2.5	Axle loadings (with nominal load & battery) mast retracted, drive/load side	kg		2200 / 2x 2175	2400 / 2x 2450
Wheels & Tyres					
3.1	Tyres (R- rubber / Vul- vulkollan), drive/load side			Vul / Vul	Vul / Vul
3.2	Load wheel dimensions (diameter x width)	mm		285 / 75	285 / 75
3.3	Drive wheel dimensions (diameter x width)	mm		343 / 140	343 / 140
3.5	No. of wheels (x = driven), drive/load side			1x / 4	1x / 4
3.6	Track width (centre of tyres), load side	mm	b10	1410	1410
Dimensions					
4.1	Mast or fork tilting, forwards/backwards	°		2 / 6	2 / 6
4.2	Lowered mast height (see tables)	mm	h1	(see table)	(see table)
4.3	Free lift (see tables)	mm	h2	(see table)	(see table)
4.4	Lift (see tables)	mm	h3	(see table)	(see table)
4.5	Raised mast height	mm	h4	(see table)	(see table)
4.7	Height to top of overhead guard	mm	h6	2185	2185
4.8	Seat (compressed) or platform height	mm	h7	1055	1055
4.10	Max height of load wheel legs	mm	h8	485	485
4.15	Fork height, fully lowered	mm	h13	50	50
4.19	Overall length	mm	l1	2590	2590
4.20	Powerhead length (to fork face)	mm	l2	(see table)	(see table)
4.21	Chassis (overall width)	mm	b1/b2	1700	1700
4.22	Fork dimensions (thickness / width / length)	mm	s/e/l	50 / 120 / 1150	50 / 120 / 1150
4.24	Width of fork carriage	mm	b3	1680	1680
4.25	Outside width over forks (minimum/maximum)	mm	b5	560 - 1970	560 - 1970
4.26	Inner width of support legs	mm	b4	900	900
4.28	Reach movement	mm	l4	(see table)	(see table)
4.32	Ground clearance @ centre of wheelbase (forks lowered)	mm	m2	80	60
4.33	Working aisle width (Ast3) 1000 x 1200 mm load, lengthwise	mm	Ast	(see table)	(see table)
4.34	Working aisle width (Ast3) 800 x 1200 mm load, lengthwise	mm	Ast	(see table)	(see table)
4.35	Turning radius (forks lowered)	mm	Wa	1800	1800
4.37	Truck length over load arms	mm	l7	1980	1980
Performance					
5.1	Travel speed, laden / unladen	km/h		10.2 / 10.5	10.0 / 10.5
5.2	Lifting speed, laden / unladen	m/s		0.23 / 0.43	0.21 / 0.43
5.3	Lowering speed, laden / unladen	m/s		0.40 / 0.38	0.40 / 0.38
5.4	Reach speed, laden / unladen	m/s		0.10 / 0.10	0.10 / 0.10
5.8	Maximum gradeability, laden / unladen	%		8.0 / 12.5	7.0 / 12.0
5.9	Acceleration time (10 metres), with/without load	s		6.0 / 5.5	6.5 / 5.6
5.10	Service brake (mechanical, hydraulic, electric)			electro-mechanical	electro-mechanical
Motors					
6.1	Drive motor (S2 60 min)	kW		7.5	7.5
6.2	Lift motor (S3 15 %)	kW		14.0	14.0
6.4	Battery voltage / capacity (5 hr. rating)	V/Ah		48 / 800, 960	48 / 800, 960
6.5	Battery weight	kg		1100	1100
Miscellaneous					
8.1	Speed control type			stepless	stepless
8.2	Max. operating pressure for attachments	bar		160	160



Introducing the Caterpillar® solution to handle wide loads in narrow aisles...



Ergonomics

- Comfortable, high-tech and functional operator's compartment.
- The swing-away control console ensures optimum driving comfort.
- Fully adjustable seat for weight, backrest and driving position.
- Clearview mast for unobstructed view for the operator.

Performance

- Smooth and easy handling of long loads in narrow aisles.
- Multi-directional travel : forwards, backwards, parallel, sideways, and rotational. Travel modes are controlled by a selection switch.

Technology

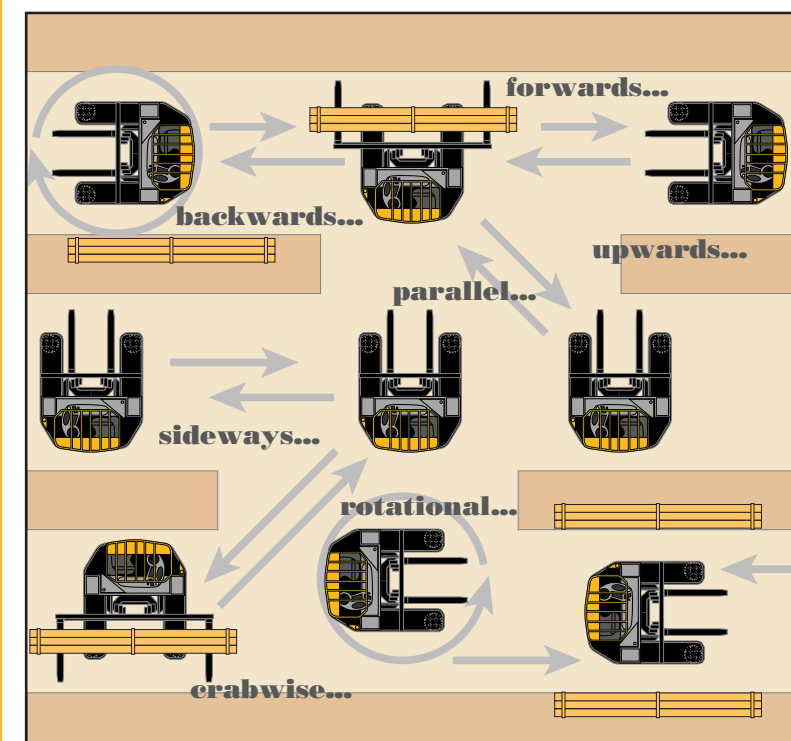
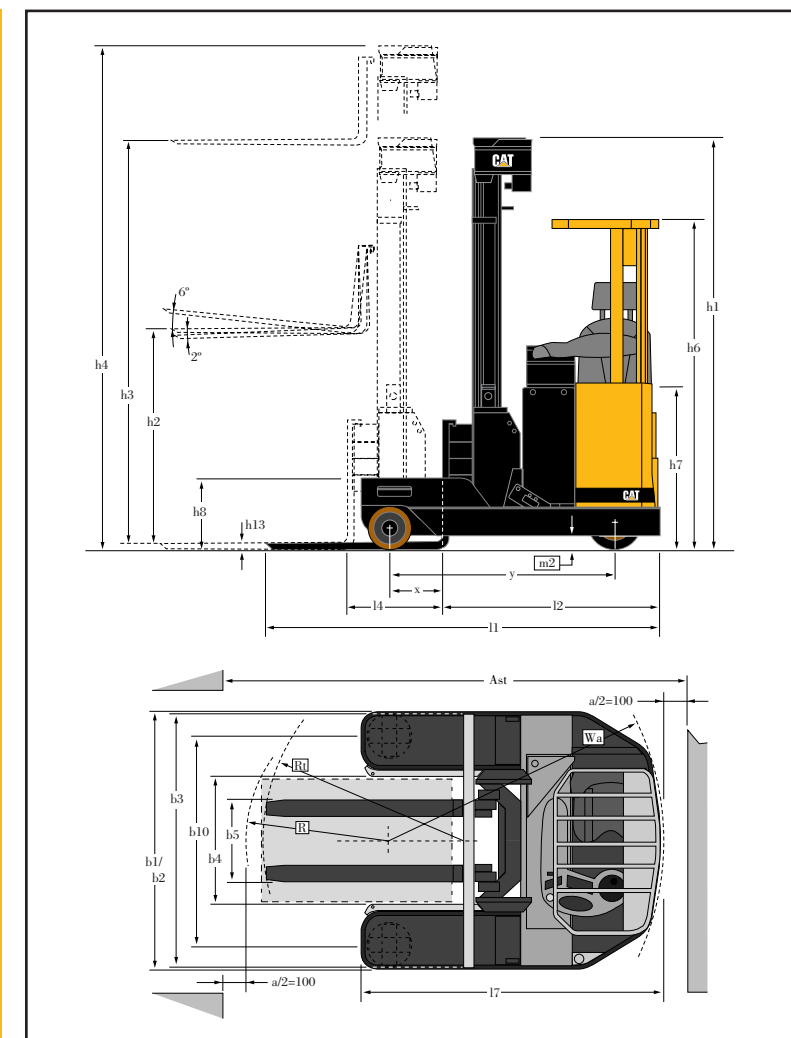
- AC technology for all motors and controllers (drive, pump and steering motors).
- AC drive motor provides powerful acceleration, regenerative braking and stepless modulation of travel speed.
- High frequency control unit for the pump results in smooth, jolt-free performance for each individual hydraulic function.
- Each load wheel has an independent steer motor, controller and brake system for enhanced manoeuvrability.
- All wheels turn 360° in either direction for infinite steering precision.
- Fully programmable functions like speed, acceleration and braking for job-matched performance.
- Broad selection of built-in diagnostic functions minimise troubleshooting and downtime.
- Cab swings wide open, enabling quick and easy maintenance.

Options

- Lift height indicator or lift height pre-selector.
- Hinged elbow support for driver.
- Radio / speaker system.
- Warning light.
- Seat head rest.

NRM20 K
2000 kg

NRM25 K
2500 kg



Caterpillar.

Your partner in materials handling.

■ *When your materials flow organisation requires the best, rely on Caterpillar lift trucks.*

Pointed research and development programs and regular interfacing with users together lead to distinctive product features, good product reliability and high user acceptance.

The highly ergonomic NRM20K and NRM25K Multi-Way Reach Truck models are revolutionary in concept, imaginative in execution, with performance you've come to expect from Caterpillar. These very robust and highly manoeuvrable machines feature multi-directional travel, exceptional stability and impressive residual capacities at lift heights up to 9.0 metres.

Caterpillar is committed to quality. This means providing you with equipment and services which result in the most cost-effective solutions for your business.

■ *Cat® dealers are committed to providing you a comprehensive array of services*

- Advice on machine selection to provide you the most economical solution for the job.
- Parts availability and trained service mechanics to respond quickly and effectively when you need them.
- A variety of preventive maintenance, service and repair plans tailored to your needs.
- A full range of acquisition possibilities, straight purchase, short and long term rental, leasing etc.

Mast Performance and Capacity

Mast Type	NRM20K • NRM25K				
	h3+h13 mm	h1 mm	h4 mm	h2+h13 mm	Carriage tilt F/B (°)
Triplex with free lift	5400	2495	6200	1800	2/6
	5700	2595	6500	1900	2/6
	5900	2662	6700	1967	2/6
	6300	2795	7100	2100	2/6
	7000	3028	7800	2333	2/6
	7500	3195	8300	2500	2/6
	8000	3362	8800	2667	2/6
	8500	3528	9300	2833	2/6
9000	3695	9800	3000	2/6	

h1 = overall lowered height
h4 = overall extended height
h2 + h13 = free lift)

NRM20K / NRM25K • Integrated fork spreader with tilt							
Chassis width (mm)	Battery current (Ah)	Battery weight (kg)	Ast*(Ast3*) 4.33 (mm)	Ast*(Ast3*) 4.34 (mm)	l4 4.28 (mm)	l2 4.20 (mm)	x 1.8 (mm)
1700	800	1100	2885 (2650)	2940 (2850)	620	1440	255
1700	960	1300	2925 (2705)	2990 (2906)	565	1495	200

* Ast = Wa + R + 200 (Ast3 = Wa - X + l6 + 200)



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