

NRM20N2 NRM25N2

Preliminary
Specifications

**Multi-way
reach trucks**
2.0 - 2.5 tonnes



	Characteristics			Cat Lift Trucks	Cat Lift Trucks
1.1	Manufacturer			NRM20N2	NRM25N2
1.2	Manufacturer's type designation			Battery	Battery
1.3	Power source: (battery, diesel, LP gas, petrol)			Seated	Seated
1.4	Operator type: pedestrian, (operator)-standing, -seated			2000	2500
1.5	Load capacity	Q (kg)		600	600
1.6	Load center distance	c (mm)		337	337
1.8	Load wheel axle to fork face (forks lowered)	x (mm)		1552	1552
1.9	Wheelbase	y (mm)			
	Weight				
2.1	Truck weight with load, with maximum battery weight	kg		6888*	7784**
2.3	Axle loadings without load & with maximum battery weight, drive/load side	kg		2672 / 2 x 1108*	2907 / 2 x 1188**
2.4	Axle loading, mast forward, with nominal load, drive/load side	kg		591 / 2 x 3148*	521 / 2 x 3631**
2.5	Axle loading, mast retracted, with nominal load, drive/load side	kg		2292 / 2 x 2298*	2292 / 2 x 2298**
	Tyres				
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, drive / load side			Vul	Vul
3.2	Tyre dimensions, drive side	(mm)		Ø360 x 140	Ø360 x 140
3.3	Tyre dimensions, load side	(mm)		Ø285 x 75 x 2	Ø285 x 75 x 2
3.5	Number of wheels, load / drive side, (x=driven)			2+2/1x	2+2/1x
3.7	Track width (center of tyres), load side	b11 (mm)		1384	1384
	Dimensions				
4.1	Fork tilt, forwards / backwards	∅/B °		2.0 / 6.0	2.0 / 6.0
4.2	Height with mast lowered	h1 (mm)		see table	see table
4.3	Free lift	h2 (mm)		see table	see table
4.4	Lift height	h3 (mm)		see table	see table
4.5	Height, mast extended	h4 (mm)		see table	see table
4.7	Height to top of overhead guard	h6 (mm)		2190	2190
4.8	Seat- or stand height	h7 (mm)		1030	1030
4.10	Height of support legs	h8 (mm)		447	447
4.15	Fork height, fully lowered	h13 (mm)		50	50
4.19	Overall length	l1 (mm)		2630	2630
4.20	Length to fork face	l2 (mm)		1480	1480
4.21	Overall width	b1/b2 (mm)		1730	1730
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)		50 / 120 / 1150	50 / 120 / 1150
4.24	Fork carriage width	b3 (mm)		1700 / 2200	1700 / 2200
4.25	Outside width over forks (minimum/maximum)	b5 (mm)		500-1700 / 2200	500-1700 / 2200
4.26	Innerwidth of the support legs	b4 (mm)		900	900
4.28	Mast reach	l4 (mm)		610	610
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2 (mm)		75	75
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast (mm)		2887	2887
4.34b	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3 (mm)		2850	2850
4.35	Turning radius	Wa (mm)		1787	1787
4.37	Truck length including support legs	l7 (mm)		1982	1982
	Performance				
5.1	Travel speed, with / without load	km/h		14 / 14	14 / 14
5.2	Lifting speed, with / without load	m/s		0.43 / 0.58	0.39 / 0.58
5.3	Lowering speed, with / without load	m/s		0.50 / 0.55	0.50 / 0.55
5.4	Reach speed, with / without load	m/s		0.1 / 0.1	0.1 / 0.1
5.8	Maximum gradeability, with / without load	%		11.0 / 17.0	11.0 / 17.0
5.9	Acceleration time (10 metres) with / without load	s		5.4 / 5.0	5.6 / 5.1
5.10	Service brake			Mechanical	Mechanical
	Electric motors				
6.1	Drive motor capacity (S2 60 min. short duty)	kW		7.5	7.5
6.2	Lift motor output at S3 15% duty factor	kW		14	14
6.4	Battery voltage/capacity at 5-hour discharge	V/Ah		48 / 775, 930	48 / 775, 930
6.5	Battery weight	kg		1100, 1300	1100, 1300
6.6	Energy consumption according to EN 16796 cycle***	kWh/h		4.5	4.5
	Miscellaneous				
8.1	Type of drive control			Stepless	Stepless
10.7****	Level of noise at ear level of the driver according to EN ISO 4871 in work LpAZ	dB(A)		68	68
10.7.1****	Level of noise at ear level of the driver according to EN ISO 487, drive/lift/idle LpAZ	dB(A)		80	80
Body	Whole-body vibration (EN 13 059:2002)	m/s ²		0.5	0.5
Hand	Hand-arm vibration (EN 13 059:2002)	m/s ²		<2.5	<2.5

* Weight values measured with 5700mm lift height mast & 775Ah battery

** Weight values measured with 10000mm lift height mast & 930Ah battery

*** Energy consumption values measured with 5700mm lift height mast

**** Inaccuracy of 4dB (A)



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NRM20N2 / NRM25N2				
Mast Type	h1	h2	h3	h4
	mm	mm	mm	mm
TREV	2510	1800	5400	6200
	2610	1900	5700	6500
	2677	1967	5900	6700
	2810	2100	6300	7100
	3043	2333	7000	7800
	3210	2500	7500	8300
	3377	2666	8000	8800
	3543	2833	8500	9300
	3710	3000	9000	9800
	3877	3167	9500	10300
	4043	3334	10000*	10800

Mast Performance and Capacity

TREV = Triplex with free lift
h1 = Lowered mast height
h2 = Free lift
h3 = Lift height
h4 = Raised mast height

* only available for NRM25N2

Model	Battery Capacity	Battery Weight	4.33 (1000 x 1200mm crosswise) Ast	4.34 (800 x 1200mm lengthwise) Ast3	L4 4.28	L2 4.20	L1 4.19	x 1.8
NRM20N2	Ah	kg	mm	mm	mm	mm	mm	mm
&	775	1100	2887	2850	610	1480	2630	337
NRM25N2	930	1300	2887	2850	610	1480	2630	337



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NOTE: 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 Cat lift trucks Dealer. Cat Lift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

