

FE3D16-20 N Series Battery Balance Weight Type Forklift

Identification	1.1	Manufacture(abbreviation)		Noblelift	Noblelift	Noblelift
	1.2	Manufacturer's type designation		FE3D16 N	FE3D18 N	FE3D20 N
	1.3	Drive:electric(battery or mains),diesel, petrol gas,manual)		electric	electric	electric
	1.4	Type of operation(hand, pedestrian, standing, seated, order-picker)		seated	seated	seated
	1.5	Load capacity/rated load	Q (kg)	1600	1750	2000
	1.6	Load centre distance	C (mm)	500	500	500
	1.8	Load distance,centre of drive axle to fork	x (mm)	372	377	377
	1.9	wheelbase	y (mm)	1360	1360	1490
	Weights	2.1	Service weight incl. battery(see line 6.5)	kg	3100	3260
2.2		Axle loading , laden front/rear	kg	4200/500	4550/510	4880/540
2.3		Axle loading,unladen front/rear	kg	1490/1610	1610/1650	1670/1750
Wheels, Chassis	3.1	Type:solid rubber, superelastic, pneumatic, polyurethane		superelastic	superelastic	superelastic
	3.2	Tyres size, front		18×7-8	18×7-8	200/50-10
	3.3	Tyres size, rear		15X4½-8	15X4½-8	15X4½-8
	3.5	Wheels, number front/rear(×=driven wheels)		2×/2	2×/2	2×/2
	3.6	Track width, front	b ₁₀ (mm)	960	960	984
	3.7	Track width, rear	b ₁₁ (mm)	180	180	180
	Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	$\alpha / \beta (^{\circ})$	5/7	5/7
4.2		lowered mast height	h ₁ (mm)	2008	2008	2008
4.3		Free lift	h ₂ (mm)	125	125	125
4.4		Lift height	h ₃ (mm)	3000	3000	3000
4.5		Extended mast height	h ₄ (mm)	3981	3981	3981
4.7		Overhead load guardheight	h ₆ (mm)	2075	2075	2075
4.8		Seat height/standing height	h ₇ (mm)	1030	1030	1030
4.12		Coupling height	h ₁₀ (mm)	465	465	465
4.19		Overall length	l ₁ (mm)	2845	3000	3130
4.20		Length to face of forks	l ₂ (mm)	1925	1930	2060
4.21		Overall width	b ₁ (mm)	1135	1135	1135
4.22		Fork dimensions	s/e/l (mm)	35/100/920	40/120/1070	40/120/1070
4.24		Fork carriage width	b ₂ (mm)	1040	1040	1040
4.31		Ground clearance , laden, under mast	m ₁ (mm)	123	123	123
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	105	105	105
4.33		Aisle width for pallets 1000×1200 crossways	Ast (mm)	3122	3127	3257
4.34		Aisle width for pallets 800×1200 lengthways	Ast (mm)	3322	3327	3357
4.35	Turning radius	Wa (mm)	1550	1550	1680	
Performance Data	5.1	Travel speed, laden/unladen	km/h	14/15	14/15	13/15
	5.2	Lift speed, laden/unladen	m/s	0.32/0.42	0.30/0.42	0.30/0.42
	5.3	lowering speed, laden/unladen	m/s	<600	<600	<600
	5.5	Drawbar pull, laden/unladen S ₂ 60 min	N	13000	14000	16000
	5.7	Max.Gradient performance, laden/unladen S ₂ 5 min	%	15/20	15/20	13/18
	5.10	Service brake		hydraulic	hydraulic	hydraulic
E-Motor	6.1	Drive motor rating S ₂ 60 min	kW	4.5*2	4.5*2	4.5*2
	6.2	Lift motor rating at S ₃ 15%	kW	8.6	8.6	8.6
	6.3	Battery standard		DIN	DIN	DIN
	6.4	Battery voltage,nominal capacity K ₅	V/Ah	48/455 (48/4900 48/560)	48/455 (48/4900 48/560)	48/560 (48/630)
	6.5	Battery weight	kg	800	800	950
	Battery dimensions l/w/h	mm	980×538×670	980×538×670	980×668×670	
Other Details	8.1	Type of drive control		AC	AC	AC
	8.2	Operating pressure for attachments	Mpa	17.5	17.5	17.5
	8.3	Oil volume for attachments	l/min	36	36	36
	8.4	Sound level at driver's ear according to EN 12 053	dB(A)	73	73	73