

RTF25/30/35-4L1-HV

**High-Voltage Rough Terrain
Forklift 2500-3500kg**

EP
Let's grow together



Manufacturer			EP
Model designation			RTF25-4L1-HV
Drive			Electric
Load capacity	Q	kg	2500
Load center distance	c	mm	500
Service weight		kg	5500
Height, mast lowered	h1	mm	1991
Lift height	h3	mm	3734
Height, mast extended	h4	mm	4720
Length to face of forks	l2	mm	2958
Overall width	b1/b2	mm	1450
Fork dimensions	s/e/l	mm	40×100×1100
Turning radius	Wa	mm	3265
Travel speed, laden/unladen		km/h	16 (5000r/m) 26(8000r/m)
Lifting speed, laden/unladen		m/s	0.65/0.66
Lowering speed, laden/unladen		m/s	0.5/0.6
Max. gradeability, laden/unladen		%	50/48
Drive motor rating S2 60 min		kW	30(rear)/15(back)
Battery voltage/nominal capacity		V/Ah	309/150



High-Voltage Rough Terrain Forklift 2500-3500kg

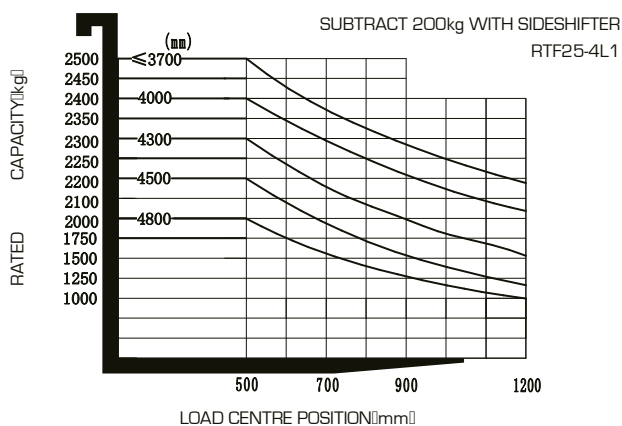
RTF25/30/35-4L1-HV

Distinguishing mark	1.1	Manufacturer			EP	
	1.2	Model designation			RTF25-4L1-HV	
	1.3	Drive			Electric	
	1.4	Operator type			Seated	
	1.5	Load capacity	Q	kg	2500	
	1.6	Load center distance	c	mm	500	
	1.8	Load distance, centre of drive axle to fork	x	mm	620	
	1.9	Wheelbase	y	mm	1800	
	Service-weight	2.1	Service weight		kg	5500
2.2		Axle loading, laden front/rear		kg	6800/1200（85%/15%）	
2.3		Axle loading, unladen front/rear		kg	2475/3025（45%/55%）	
Tyres/chassis	3.1	Tyre type			280/80 R20 /27×10-12NHS	
	3.2	Tyre size, front			280/80 R20 133(956)	
	3.3	Tyre size, rear			27×10-12NHS 14PR(690)	
	3.5	Wheels, number front/rear (x=drive wheels)		mm	2X/2X	
	3.6	Tread width, front	b10	mm	1161	
	3.7	Tread width, rear	b11	mm	1195	
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward		α/β °	10/12（Only for 3F mast）
4.2		Retracted mast height		h1	mm	1991
4.3		Free lift		h2	mm	1217
4.4		Lift height		h3	mm	3734
4.5		Height, mast extended		h4	mm	4720
4.7		Height of overhead guard (cabin)		h6	mm	2000
4.8		Seat height/standing height		h7	mm	945
4.12		Tow coupling height		h10	mm	455
4.19		Overall length		l1	mm	4058 (fork dimension: 1100) 4028 (fork dimension: 1070)
4.20		Length to face of forks		l2	mm	2958
4.21		Overall width		b1/b2	mm	1450
4.22		Fork dimensions		s/e/l	mm	40×100×1100
4.23		A,B Fork carriage class/type A, B			2A	
4.24		Fork carriage width		b3	mm	1038
4.31		Ground clearance, laden, below mast		m1	mm	266
4.32		Ground clearance, center of wheelbase		m2	mm	258
4.34.1		Aisle width for pallets 1000×1200 crossways		Ast	mm	5090
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	mm	5290	
4.35	Turning radius		Wa	mm	3265	
Performance data	5.1	Travel speed, laden/unladen		km/h	16（5000r/m）26(8000r/m)	
	5.2	Lifting speed, laden/unladen		m/s	0.65/0.66	
	5.3	Lowering speed, laden/unladen		m/s	0.5/0.6	
	5.6	Max. drawbar pull, laden/unladen		N	54561	
	5.8	Max. gradeability, laden/unladen		%	50/48	
	5.10	Service brake			mechanical	
5.11	Parking brake			Hydraulic		
Electric-engine	6.1	Drive motor rating S2 60 min		kW	30(rear)/15(back)	
	6.2	Lift motor rating at S3 15%		kW	22.4	
	6.4	Battery voltage/nominal capacity		V/Ah	309/150	
	6.5	Battery weight		kg	450	
Additiondata	8.1	Type of drive control			AC	
	10.5	Steering design			Hydraulic	
	10.7	Sound pressure level at the driver's ear		dB(A)	70	

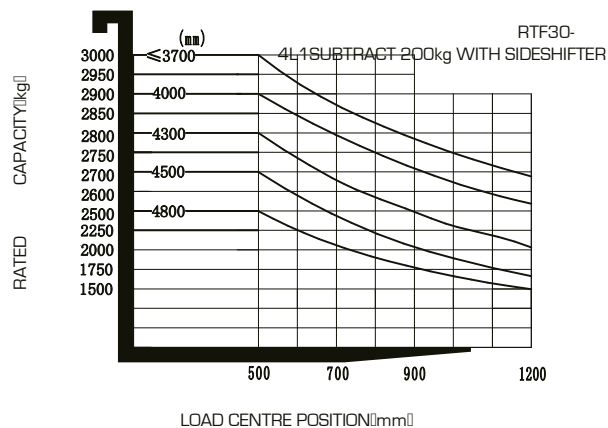
If there are improvements of technical parameters or configurations, no further notice will be given. The diagram shown may contain non-standard configurations.



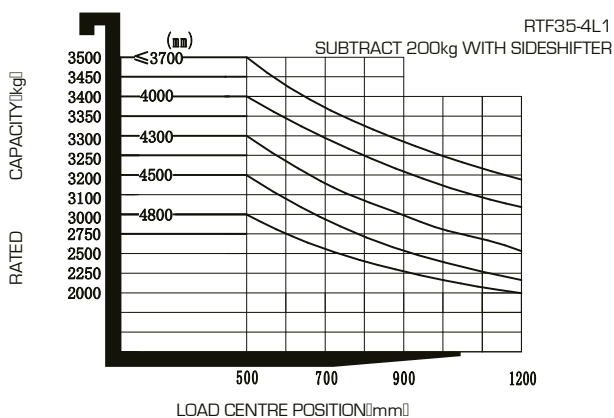
RATED CAPACITIES AND LOAD CENTERS GRAPH



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RATED CAPACITIES AND LOAD CENTERS GRAPH



Mast Option:

Mast types	Lift height (h3)	Height, mast lowered(h1)	Height, Mast		Height, Free lift(h2)	
			Height, mast extended(h4)		No backrest	With backrest
			No backrest	With backrest		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	2700	2090	3455	3910	195	195
	3000	2240	3745	4210	195	195
	3300	2390	4045	4510	195	195
	3500	2490	4245	4710	195	195
	3700	2590	4445	4910	195	195
	4000	2790	4745	5210	195	195
	4500	3040	5245	5710	195	195
3-Free Mast	3700	1990	4539	4760	1151	930
	4000	2150	4820	5041	1351	1130
	4300	2220	5130	5351	1381	1160
	4800	2405	5630	5851	1566	1345



Option:

Optional items	RTF25-4L1-HV
Fork dimension	0<capacity<1t: 400mm loadcenter 1t≤capacity<5t: 500mm loadcenter 5t≤capacity-≤10t:600mm/900mm loadcenter 10t<capacity<20t:600mm/900mm/200mm loadcenter 20t≤capacity-<25t:900mm/1200mm loadcenter 25t≤capacity:1200mm loadcenter
Front wheel material	○Pneumatic280/80 R20
Rear wheel material	○Pneumatic27×10-12NHS
Battery capacity	●309V150Ah
Charger	Car charging: ●10kw(304~456V 33A) with charging port ○3.3kw(85~265V 23A)with charging port○No Charging pile: ●20kw (380-480V32A) ○40kw (380-480V32A) ○EPPS93 Energy storage cabinet
Battery indicator	●With hourmeter
Seat type	●Grammer MSG65-531 (mechanical suspension with armrest+PVC surface + safety belt switch) ○Grammer MSG75G531 (Air suspension with armrest+Fabric surface+ safety belt switch + Seat heating function)
Attachments	No○Built-in sideshifter○External shifter ○Fork positioner with sideshift○Holding clamp
Clamp interlock	●No ○Yes and not customized
Traction pin	●Yes and not customized
Electrostatic discharge chain	●Yes and not customized
Front combination working light	●High and low beam + turn signal + clearance light
Rear combination light	●Reversing light + brake light + turn signal + clearance light
Front lamp	●LED
Rear lamp	●LED
Warning lamp	●Yes and not customized
Turn signal light	●LED
Blue lamp	●Rear○Front and rear
Area warning lamp	●No○Both sides○Both sides and rear
Rearview mirror	●One in front○Two on sides and one in front
Buzzer	●Yes and not customized
OPS system	●Yes and not customized
Cigarette lighter socket	●12V 5A
USB interface	●Type-A+C
Telematics	●Yes and not customized
Speed reduction for elevated mast- Australian standard	●No○Yes and not customized
Turn speed control	●No○Yes and not customized
Heating system for lithium battery charging	●No○Yes and not customized
Operator identification device	●No○Card reader
Lifting electronic limit	●Yes and not customized
Hydraulic operating system	●Fingertip
Rear grab handle with horn	●Yes and not customized
Cabin	●Upgrade half cabin②
Heating and cooling system	●Warm air○Air conditioning with heating and cooling (only full cabin)
Overhead guard	●Follow the Cabin options
Windshield washer system	●Yes only with Cabin
Note: ●Standard ○ Optional Inconformity	

