

STILL

RX 60 Technical Data Electric Forklift Truck

RX 60-50



RX 60/50 Electric Forklift Truck

For heavy work

Distinguishing marks	1.1	Manufacturer			STILL
	1.2	Manufacturer's type designation			RX 60-50
	1.2.1	Manufacturer model number			6329
	1.3	Drive			Electric
	1.4	Operation			Seated
	1.5	Rated capacity/rated load	Q	kg	4990
	1.6	Load centre distance	c	mm	500
	1.8	Load spacing	x	mm	535
	1.9	Wheel base	y	mm	2021
Weight	2.1	Empty weight (incl. battery)		kg	7121
	2.2	Axle loading, laden	front/rear	kg	10917/1194
	2.3	Axle loading, unladen	front/rear	kg	3372/3749
Tyres/chassis	3.1	Tyres			Superelastic
	3.2	Tyre size	front	mm	355/50-15
	3.2	Tyre size	rear	mm	200/75-9
	3.5	Number of wheels (x = driven)	front/rear		2x/2
	3.6	Tread	front/rear	b ₁₀ /b ₁₁	mm 1104/920
	4.1	Tilt of mast/fork carriage	front/rear	α/β	° 3/9
Basic dimensions	4.2	Height	mast lowered	h ₁	mm 2300
	4.3	Free lift		h ₂	mm 160
	4.4	Lift ¹		h ₃	mm 2980
	4.5	Height	mast extended	h ₄	mm 3987
	4.7	Height above protected roof (cab)		h ₆	mm 2320
	4.8	Seat height in terms of SIP		h ₇	mm 1249
	4.12	Clutch height		h ₁₀	mm 546/426
	4.19	Total length		l ₁	mm 3896
	4.20	Length including fork backs		l ₂	mm 2896
	4.21	Overall width		b ₁	mm 1399
	4.22	Fork dimensions		s/e/l	mm 60/130/1000
	4.23	Fork carriage ISO 2328, class/type A, B			ISO III/A
	4.24	Fork carriage width		b ₃	mm 1310
	4.31	Ground clearance under mast		m ₁	mm 150
	4.32	Ground clearance, centre wheel base		m ₂	mm 145
	4.34.1	Working aisle width with pallet 1000 x 1200 crossways		A _{st}	mm 4218
	4.34.2	Working aisle width with pallet 800 x 1200 lengthways		A _{st}	mm 4418
	4.35	Turning radius		W _a	mm 2483
	4.36	Smallest pivoting distance		b ₁₃	mm 629
Performance data	5.1	Driving speed	laden/unladen	km/h	19/20
	5.2	Lifting speed	laden/unladen	m/s	0.33/0.46
	5.3	Lowering speed	laden/unladen	m/s	0.55/0.51
	5.5	Traction	laden/unladen	N	3600/4400
	5.6	Max. traction	laden/unladen	N	15670/16090
	5.7	Gradeability	laden/unladen	%	8.8/15.8
	5.8	Max. gradeability	laden/unladen	%	13.2/23.4
	5.9	Acceleration time	laden/unladen	s	3.3/4.6
	5.10	Service brake			Electric/hydraulic
	6.1	Drive motor, output with S3 = 60 min		kW	15
Electric engine	6.2	Lifting motor, output at 15% ED		kW	25
	6.3	Battery in accordance with DIN 43531/35/36 A, B, C, no			DIN 43536 A
	6.4	Battery voltage	U	V	80
	6.4.1	Battery capacity K _s		Ah	840 (-930)
	6.5	Battery weight		kg	2178
	6.6	Energy consumption, 60 VDI combustion cycles/hour		kWh/h	11.5
Misc.	10.1	Working pressure for accessory equipment		bar	250
	10.2	Oil volume for accessory equipment		l/min	30
	10.7	Sound pressure level L _{paz} (operator's position) ³		dB(A)	<70
		Human vibrations: acceleration in accordance with EN 13059		m/s ²	<0.7
	10.8	Trailer coupling, item/DIN type			Bolt

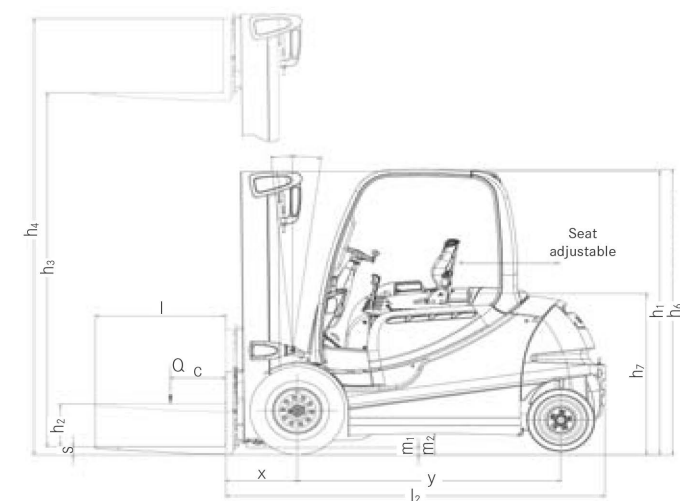
¹ The nominal lift stated includes the tyre deflection and tyre diameter tolerances

² Calculated with 1000 mm long forks

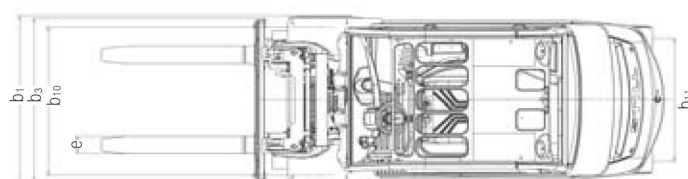
³ No cab; different values with cab

This specification sheet to VDI Guidelines 2198 only gives the technical figures for the standard truck. Different tyres, other masts, additional equipment etc. could give different figures.

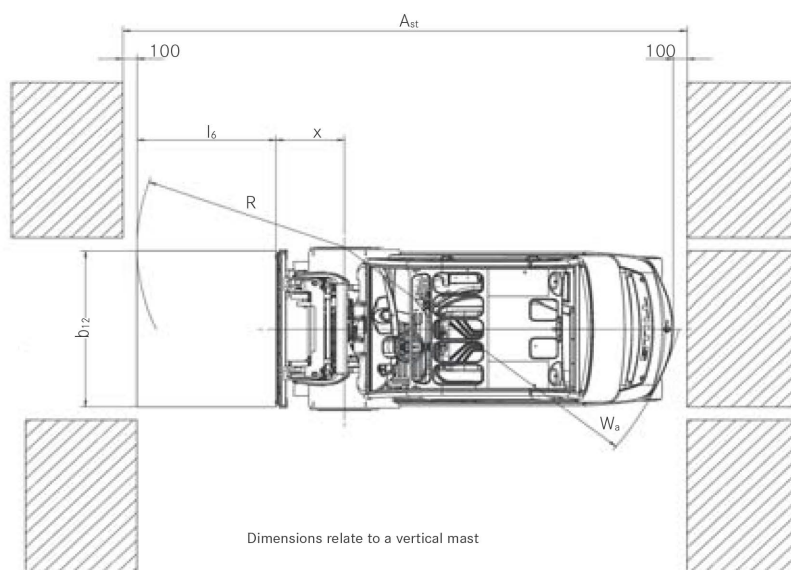
RX 60/50 Electric Forklift Truck Technical Drawings



Side view



Top view



Top view

Gradients

Maximum distance that can be driven in 60 minutes.

Example: A RX 60-40 with a load of 4,000 kg and a gradient of 13% can drive a distance of 215 m 10 times per hour.

Gradient		Maximum distance in m
RX 60-50		
With load	13%	1380
	9%	3620
	7%	5380
	5%	6670
Without load	23%	1430
	20%	2030
	15%	4350
	10%	6700
	5%	10720

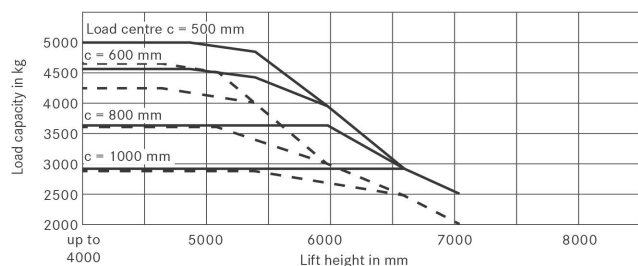
Dry rough concrete surface = Coefficient of friction 0.80

Standard battery as indicated in data sheet

Speed is variable

RX 60/50 Electric Forklift Truck Basic Load Capacities

RX 60-50 Triplex mast



— without side shift - - - with side shift

RX 60/50 Electric Forklift Truck Mast Table

				Triplex mast
RX 60-50	Nominal lift	h_3	mm	5980
	Overall height	h_1	mm	2800
	Free lift ^{1,2}	h_5	mm	1880
	Maximum height ^{1,2}	h_4	mm	7239
	Tilt of mast/fork carriage forward/backward	α/β	°	3/9
	Fork lock-in position centre-centre		mm	191/368/572/673/978 (fork carriage width 1310/1410 mm) / 1080 (fork carriage width 1410 mm)
	Tyres front/rear			355/50-15 // 200/75-9
	Track front/rear	b_{10}/b_{11}	mm	355/50-15 // 200/75-9
	Maximum width	b_1	mm	1399

¹ Fork carriage ISO 3A standard

² Deviations depending on 4/6-stop fork carriages