STILL

RX 60-40

RX 60-45

RX 60-50

RX 60-50/600

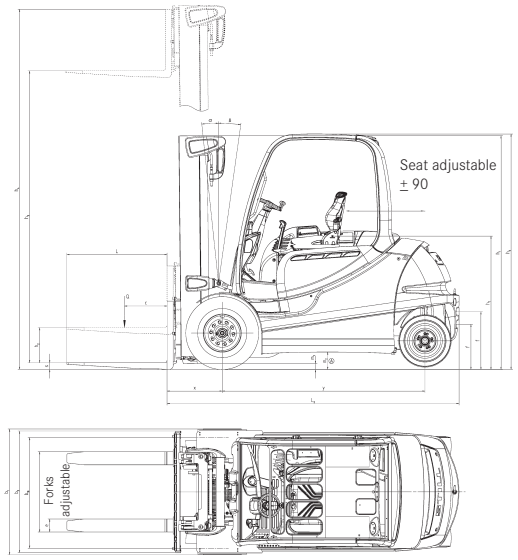
RX 60 Technical data.

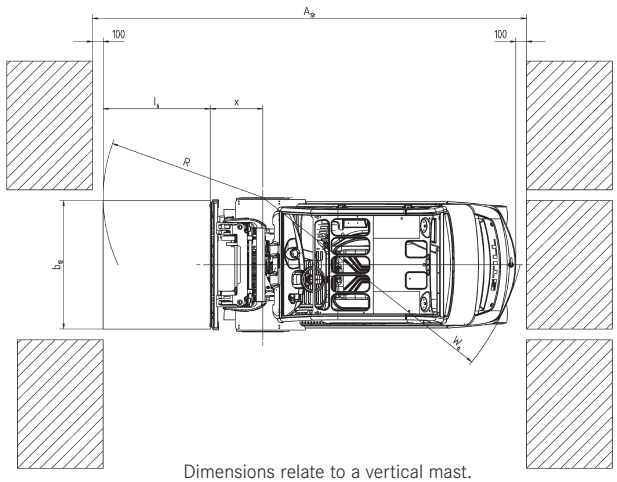
Electric forklift trucks

first in intralogistics

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.

Characteristics	1.1	Manufacturer			STILL	STILL	STILL	STILL
	1.2	Manufacturer's model designation			RX 60-40	RX 60-45	RX 60-50	RX 60-50/600
	1.3	Truck type			Electric	Electric	Electric	Electric
	1.4	Operation			Rider seated	Rider seated	Rider seated	Rider seated
	1.5	Capacity	Q	t	4.0	4.5	4.99	4.99
	1.6	Load centre	c	mm	500	500	500	600
	1.8	Load distance	x	mm	525	525	525	535
	1.9	Wheel base	y	mm	2021	2021	2021	2088
Weights	2.1	Truck weight		kg	6477	6793	7115	7711
	2.2	Axle load, laden, front		kg	9296	10112	10884	11547
	2.2.1	Axle load, laden, rear		kg	1181	1181	1221	1154
	2.3	Axle load, unladen, front		kg	3268	3329	3363	3845
	2.3.1	Axle load, unladen, rear		kg	3209	3463	3752	3866
Wheel | chassis	3.1	Tyres			SE	SE	SE	SE
	3.2	Tyre size, front			250-15	28 x 12.5-15	28 x 12.5-15	28 x 12.5-15
	3.3	Tyre size, rear			21 x 8-9	21 x 8-9	21 x 8-9	21 x 8-9
	3.5	Number of wheels front (x=driven)			2x	2x	2x	2x
	3.5.1	Number of wheels rear (x=driven)			2	2	2	2
	3.6	Track width, front	b_{10}	mm	1030	1104	1104	1104
	3.7	Track width, rear	b_{11}	mm	920	920	920	920
Basic dimensions	4.1	Tilt Mast/Fork carriage, forward		°	3	3	3	3
	4.1.1	Tilt Mast/Fork carriage, back		°	9	9	9	6
	4.2	Height, mast lowered	h_1	mm	2300	2300	2300	2300
	4.3	Free lift	h_2	mm	160	160	160	160
	4.4	Lift	h_3	mm	2980	2980	2980	2780
	4.5	Height, mast raised	h_4	mm	3987	3987	3987	3935
	4.7	Height over overhead guard (cab)	h_6	mm	2322	2320	2320	2320
	4.8	Seat/Platform height (SRP)	h_7	mm	1251	1249	1249	1249
	4.12	Coupling height	h_{10}	mm	546/421	546/421	546/421	546/421
	4.19	Overall length	l_1	mm	3886	3886	3886	4163
	4.20	Length including fork backs l_2	l_2	mm	2886	2886	2886	2963
	4.21	Overall width	b_1	mm	1256	1399	1399	1399
	4.22	Fork thickness	s	mm	50	50	50	60
	4.22.1	Fork width	e	mm	120	120	150	130
	4.22.2	Fork length	l	mm	1000	1000	1000	1200
	4.23	Fork carriage DIN 15173, Class/Form A, B			3 A	3 A	3 A	3 A
	4.24	Fork carriage width	b_3	mm	1200	1310	1310	1310
	4.31	Floor clearance under mast, laden	m_1	mm	150	150	150	150
	4.32	Floor clearance, centre of wheel-base	m_2	mm	147	145	145	145
	4.33	Working aisle - 1000 x 1200 pallet crosswise	A_{st}	mm	4208	4208	4208	4284
	4.34	Working aisle - 800 x 1200 pallet lengthways	A_{st}	mm	4408	4408	4408	4484
	4.35	Turning radius	W_a	mm	2483	2483	2483	2549
	4.36	Smallest pivot point distance	b_{13}	mm	629	629	629	638
Performance data	5.1	Travel speed laden		km/h	19	19	19	18
	5.1.1	Travel speed unladen		km/h	20	20	20	19
	5.2	Hoist speed laden		m/s	0.40	0.38	0.33	0.31
	5.2.1	Hoist speed unladen		m/s	0.55	0.46	0.46	0.44
	5.3	Lowering speed laden		m/s	0.55	0.55	0.55	0.55
	5.3.1	Lowering speed unladen		m/s	0.46	0.46	0.46	0.46
	5.5	Drawbar pull laden		N	3770	3620	3600	3600
	5.5.1	Drawbar pull unladen		N	4390	4470	4400	4400
	5.6	Max. drawbar pull laden		N	15940	15830	15670	15670
	5.6.1	Max. drawbar pull unladen		N	16140	16150	16090	16090
	5.7	Gradeability laden		%	11.3	9.5	8.8	7.4
	5.7.1	Gradeability unladen		%	17.0	16.8	15.8	13.7
	5.8	Max. gradeability laden		%	15.5	14.3	13.2	12.6
	5.8.1	Max. gradeability unladen		%	25.9	24.6	23.4	21.4
	5.9	Acceleration time laden		s	5.1	5.2	5.3	5.4
	5.9.1	Acceleration time unladen		s	4.5	4.5	4.6	4.7
	5.10	Service brake			electr./mech.	electr./mech.	electr./mech.	electr./mech.
E-Motor	6.1	Drive motor, 60 minute rating		kW	15	15	15	15
	6.2	Hoist motor 15% rating		kW	25	25	25	25
	6.3	Battery to DIN 43531/35/36 A, B, C, No			DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A
	6.4	Battery voltage	U	V	80	80	80	80
	6.4.1	Battery capacity	K_5	Ah	840	840	840	840
	6.5	Battery weight		kg	2178	2178	2178	2178
	6.6	Energy consumption 60 CDI cycles/hour		kWh/h	10.2	10.8	11.5	12.1
Miscellaneous	8.1	Drive control						
	8.2	Working pressure for attachments		bar	250	250	250	250
	8.3	Oil flow for attachments		l/min	30	30	30	30
	8.4	Sound level at driver's ear		dB(A)	< 70	< 70	< 70	< 70
	8.5	Towing coupler, Type/Model DIN			Pin	Pin	Pin	Pin





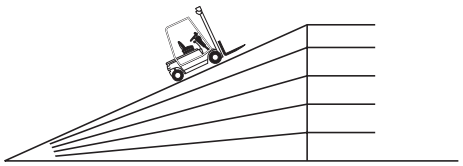
Dimensions relate to a vertical mast.

				Telescopic mast		Triplex mast
RX 60-40/45/50	Rated lift	h_3	mm	2980 - 3680	4080 - 4880	4330 - 7180
	Overall height	h_1	mm	2300 - 2650	2850 - 3250	2250 - 3200
	Free lift Form “B”	h_5	mm	160	160	1462 - 2412
	Free lift Form “A”	h_5	mm	160	160	1504 - 2554
	Greatest height Form “B”	h_4	mm	3987 - 4687	5087 - 5887	5416 - 8266
	Greatest height Form “A”	h_4	mm	3987 - 4687	5087 - 5887	5437 - 8287
	Forward tilt	a	°	3		
	Back tilt	b	°	9		
	Overall length	L_2	mm	2886		
	Load distance	x	mm	525		
	Working aisle width	A_{st}	mm	(1000 x 1200) 4208 // (1200 x 800) 4408		
RX 60-40	Tyres	v/h		250/70-15 // 200/75-9	345/45-15 // 200/75-9	
	Track	v/h	mm	1030 // 920	1104 // 920	
	Greatest width	B	mm	1256	1399	
	Fork locations, centre to centre		mm	191 368 572 673 876 978		
RX 60-45/50	Tyres	v/h		345/45-15 // 200/75-9		
	Track	v/h	mm	1104 // 920		
	Greatest width	B	mm	1399		
	Fork locations, centre to centre		mm	191 368 572 673 978 1080		
RX 60-50/600	Rated lift	h_3	mm	2780 - 4680		4030 - 6880
	Overall height	h_1	mm	2300 - 3250		2250 - 3200
	Free lift Form “A”	h_5	mm	160	160	1230 - 2180
	Greatest height Form “A”	h_4	mm	3887 - 5787		5095 - 7945
	Forward tilt	a	°	3		
	Back tilt	b	°	6		
	Overall length	L_2	mm	2963		
	Load distance	x	mm	535		
	Working aisle width	A_{st}	mm	(1000 x 1200) 4248 // (1200 x 800) 4500		

Gradients, maximum distance that can be driven in 60 minutes

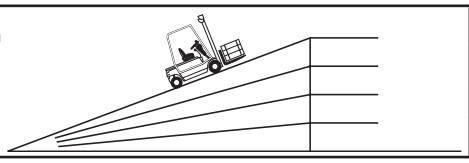
Example: An RX 60-40 with a load of 4,000 kg and a gradient of 13% can drive a distance of 215m 10 times per hour.

Unladen



	RX 60-40	RX 60-45	RX 60-50	RX 60-50/600
23%	1850 m	1470 m	1430 m	-
20%	2700 m	2290 m	2030 m	1850
15%	5390 m	5060 m	4350 m	4140
10%	7180 m	6930 m	6700 m	6250
5%	11660 m	11170 m	10720 m	10260

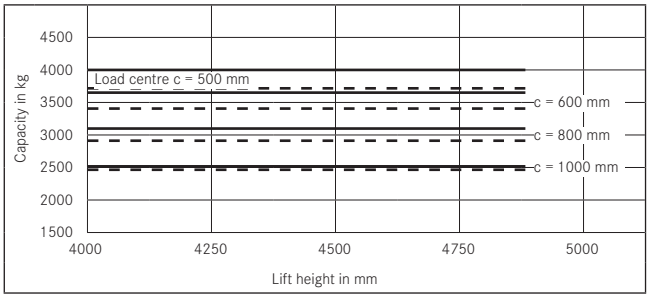
Laden



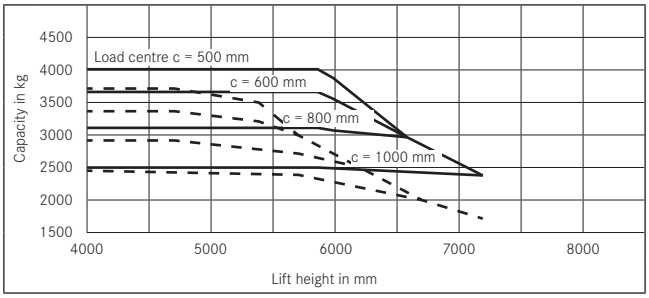
13%	2150 m	1590 m	1380 m	-
9%	5030 m	4200 m	3620 m	3440
7%	6070 m	5750 m	5380 m	5150
5%	7580 m	7130 m	6670 m	6440

(dry rough concrete surface = Coefficient of friction 0.80)

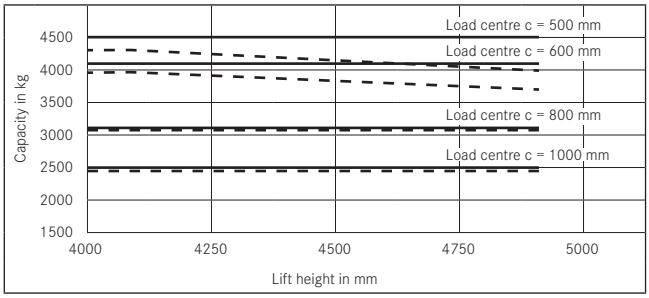
Capacities RX 60-40 Tele/HiLo mast



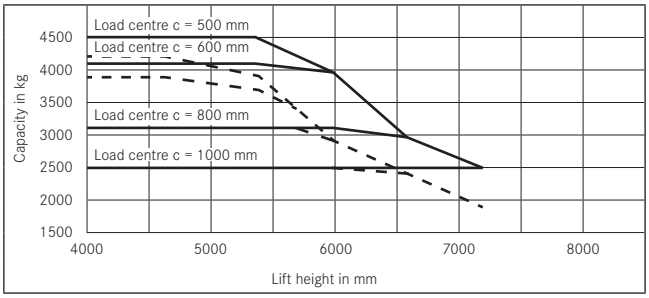
Capacities RX 60-40 with triplex mast



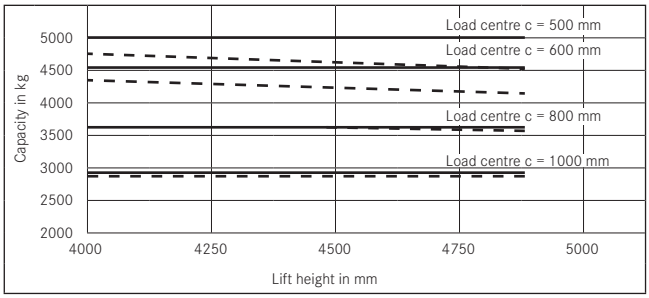
Capacities RX 60-45 Tele/HiLo mast (single tyres)



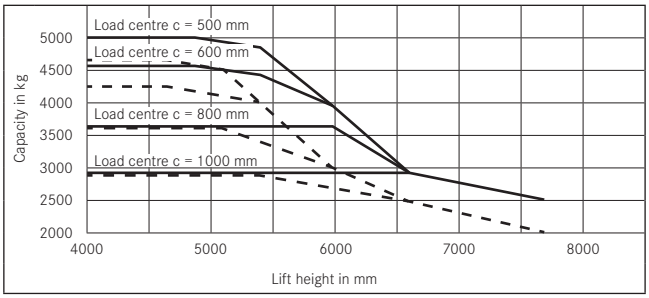
Capacities RX 60-45 Triplex mast/single tyres



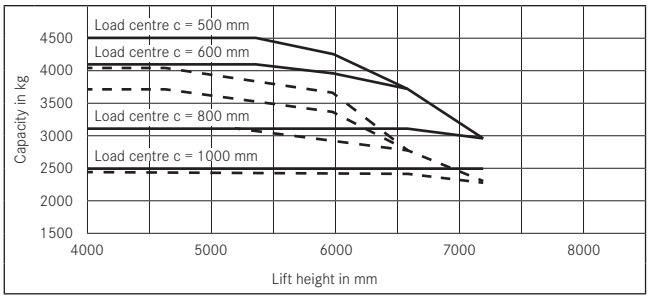
Capacities RX 60-50 Tele/HiLo mast



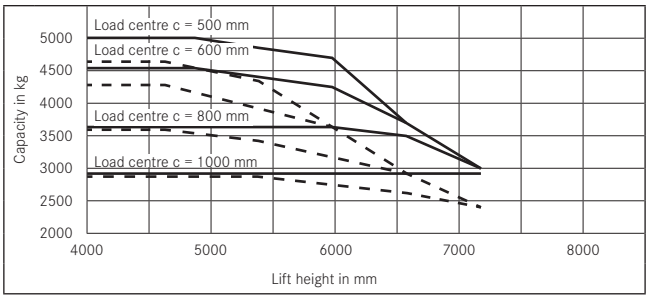
Capacities RX 60-50 Triplex mast/single tyres



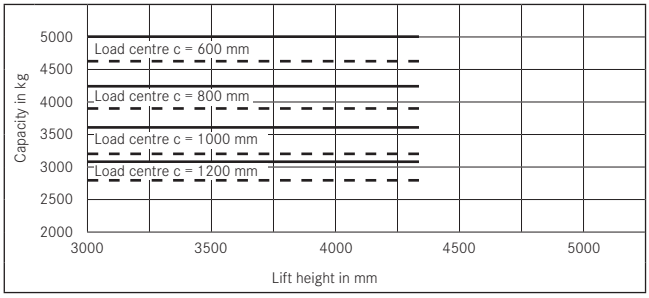
Capacities RX 60-45 Triplex mast/dual tyres



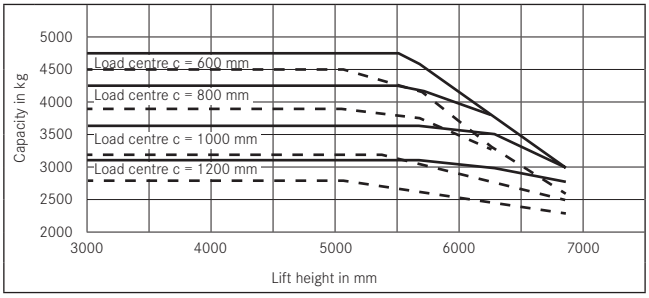
Capacities RX 60-50 Triplex mast/dual tyres



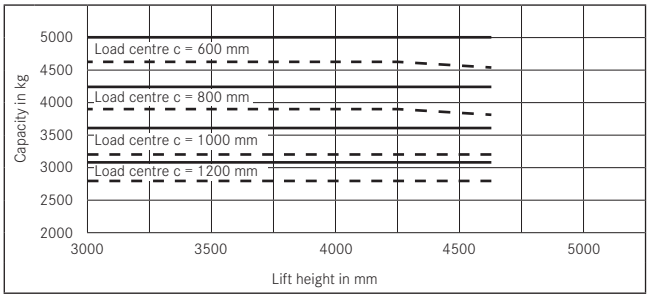
Capacities RX 60-50/600 Triple mast to BH2350



Capacities RX 60-50/600 Triple mast from BH2400



Capacities RX 60-50/600 Tele-mast to BH3250



without Sideshifter
with Sideshifter

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RX 60/40/50/600 EN 11/10 TD Subject to technical modifications.

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