



# RX 70 Technical Data Diesel and LPG Forklift Trucks

RX 70-40

RX 70-45

RX 70-50

RX 70-50/600





1.1	Manufacturer			STILL	STILL	STILL	STILL	STILL	STILL	STILL	STILL
1.2	Manufacturer's model designation			RX 70-40	RX 70-40 T	RX 70-45	RX 70-45 T	RX 70-50	RX 70-50 T	RX 70-50/600	RX 70-50/600 T
1.2.1	Manufacturer's type designation			7331	7335	7332	7336	7333	7337	7334	7338
1.3	Drive			Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG
1.4	Operation			Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
1.5	Rated capacity	Q		4000	4000	4500	4500	4999	4999	5000	5000
1.6	Load centre	C	mm		500	500	500	500	500	600	600
1.8	Load distance		mm		540	540	540	540	540	550	550
		X		2005	2005	2005	2005	2070	2070	2125	2125
1.9	Wheel base	У									
2.1	Service weight (incl. battery)			6076	6076	6278	6278	6590	6590	7174	7174
2.2	Axle loading, laden front/rear			8896/1180	8896/1180	9632/1146	9632/1146	10468/1122	10468/1122	11014/1160	11014/1160
<b>≥</b> 2.3	Axle loading, unladen front/rear			2821/3255	2821/3255	2798/3480	2798/3480	2955/3635	2955/3635	3308/3866	3308/3866
3.1	Tyres			Superelastic	Superelastic	Superelastic	Superelastic	Superelastic	Superelastic	Superelastic	Superelastic
3.2	Tyre size front			250-15	250-15	28 x 12.5-15					
3.2	Tyre size rear		mm	250-15	250-15	250-15	250-15	250-15	250-15	250-15	250-15
3.5	Number of wheels (x = driven) front/rear			2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
3.6		b <sub>10</sub> /b <sub>11</sub>		1136/1120	1136/1120	1210/1120	1210/1120	1210/1120	1210/1120	1210/1120	1210/1120
4.1	Tilt of mast/fork carriage forward/backward	α/β		6/7	6/7	6/7	6/7	6/7	6/7	6/7	6/7
4.2	Height mast lowered	h <sub>1</sub>	mm	2400	2400	2400	2400	2400	2400	2400	2400
4.3	Free lift	h <sub>2</sub>	mm		160	160	160	160	160	160	160
4.4	Lift	h <sub>3</sub>	mm	3180	3180	3180	3180	3180	3180	2980	2980
4.5	Height mast raised	h <sub>4</sub>		4187	4187	4187	4187	4187	4187	4137	4137
4.7	Height over overhead guard (cab)	h <sub>6</sub>		2320	2320	2300	2300	2300	2300	2300	2300
4.8	Seat height rel. to SIP	h <sub>7</sub>		1298	1298	1298	1298	1298	1298	1298	1298
4.12	Coupling height	h <sub>10</sub>	mm		496	496	496	496	496	496	496
4.19	Overall length	l <sub>1</sub>		4027	4027	4071	4071	4098	4098	4368	4368
4.20	Length including fork backs	12		3027	3027	3071	3071	3098	3098	3168	3168
4.21	Overall width	b <sub>1</sub>		1380	1380	1506/1380 <sup>1</sup>					
	Fork dimensions	s/e/l		50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000	50/120/1000
4.23	Fork carriage ISO 2328, Class/Form A, B	3/6/1	111111	Cl. III, Form A	Cl. III, Form A	Cl. III, Form A	CI. III, Form A	Cl. III, Form A			
	Fork carriage width	<b>b</b> <sub>3</sub>	20.00	1310	1310	1310	1310	1310	1310	1310	1310
	Ground clearance under mast, laden		mm		140	140	140	140	140	140	140
4.31		m <sub>1</sub>									
4.32		m <sub>2</sub>	mm		165	165	165	165	165	165	165
4.34.1	Working aisle widths with pallet 1000 x 1200 crosswise	Ast		4401	4401	4441	4441	4470	4470	4539	4539
	Working aisle widths with pallet 800 x 1200 lengthways	Ast		4601	4601	4641	4641	4670	4670	4739	4739
4.35	Turning radius	Wa		2661	2661	2701	2701	2730	2730	2789	2789
	Smallest pivot point distance	b <sub>13</sub>	mm		737	737	737	746	746	754	754
5.1	Travel speed laden/unladen			21/21	21/21	21/21	21/21	21/21	21/21	21/21	21/21
5.2	Hoist speed laden/unladen		-	0.59/0.59	0.59/0.59	0.50/0.54	0.50/0.54	0.50/0.54	0.50/0.54	0.50/0.54	0.50/0.54
5.3	Lowering speed laden/unladen			0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50	0.50/0.50
5.5	Traction laden/unladen			22230/2080	22230/2080	22180/21150	22180/21150	22110/21720	22110/21720	22040/21940	22040/21940
5.7	Gradeability laden/unladen			22/35	22/33	21/34	21/32	20/33	20/31	19/32	19/30
5.9	Acceleration time laden/unladen		S	5.2/4.7	5.1/4.6	5.5/4.8	5.4/4.7	5.9/4.9	5.6/4.8	6.2/5.0	5.8/4.9
5.10	Service brake			Mechanical/	Mechanical/	Mechanical/	Mechanical/	Mechanical/	Mechanical/	Mechanical/	Mechanical/
				hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
7.1	Engine manufacturer			Deutz	VW	Deutz	VW	Deutz	VW	Deutz	VW
7.1.1				TCD 2.9 L4	CKPA	TCD 2.9 L4	CKPA	TCD 2.9 L4	CKPA	TCD 2.9 L4	CKPA
	Engine rating to ISO 1585		kW		55	54	55	54	55	54	55
7.3	Nominal speed		1/min		2200	2200	2200	2200	2200	2200	2200
	Number of cylinders			4	6	4	6	4	6	4	6
7.4.1	Swept volume			2900	3600	2900	3600	2900	3600	2900	3600
7.5	Fuel consumption according to VDI Cycle		l/h	4.1		4.3		4.6		4.8	
			kg/h		3.8		4.0		4.3		4.6
7.9	On-board voltage			12	12	12	12	12	12	12	12
				Diesel-electric	Diesel-electric	Diesel-electric	Diesel-electric	Diesel-electric	Diesel-electric	Diesel-electric	Diesel-electric
8.1	Drive control					0.50	250	250	250	250	250
	Drive control Working pressure for attachments		bar	250	250	250					
8.1 10.1					250 30	30	30	30	30	30	30
8.1 10.1 10.2	Working pressure for attachments Oil volume for attachments		bar I/min								
8.1 10.1 10.2	Working pressure for attachments		bar I/min	30		30		30		30	
8.1 10.1 10.2 90 10.4	Working pressure for attachments Oil volume for attachments		bar I/min I kg	30 56	30 22	30 56	30 22	30 56	30 22	30 56	22
8.1 10.1 10.2 10.4 10.7	Working pressure for attachments Oil volume for attachments  Volume fuel tank  Sound pressure level <sup>2</sup> L <sub>pAZ</sub> (driver's seat)		bar I/min I kg dB(A)	30 56 <75	30	30	30	30	30	30	30
8.1 10.1 10.2 snoon 10.4 10.7	Working pressure for attachments Oil volume for attachments Volume fuel tank		bar I/min I kg	30 56 <75 <98	22 <76	30 56 <75	22 <76	30 56 <75	22 <76	30 56 <75	22 <76

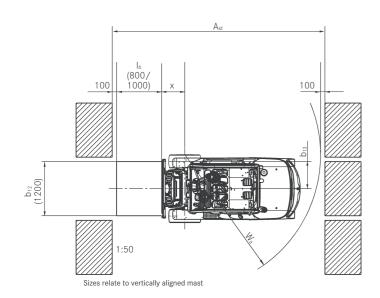
 $<sup>^{\</sup>rm 1}$  With reduced basic load capacity and/or restricted lifting height  $^{\rm 2}$  With cab; higher sound level without cab  $^{\rm 3}$  With standard driver's seat

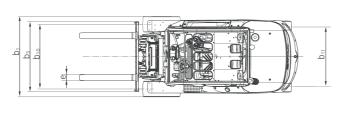
### RX 70-40/50 Diesel and LPG Forklift Trucks Mast Tables

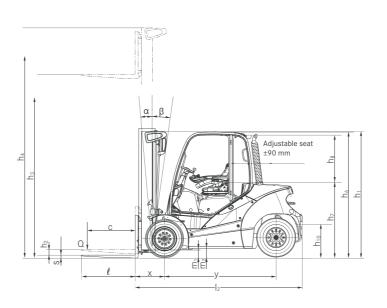


				Telescopic mast							Triplex mas								
Nominal lift		h <sub>3</sub>			3180	3480	3680	4080	4480	4880	4030	4330	4630	5080	5380	5980	6580	7180	
Overall height		h <sub>1</sub>			2400	2550	2650	2850	3050	3250	2150	2250	2350	2500	2600	2800	3000	3200	
Free lift		h <sub>5</sub>	mm		160	160	160	160	160	160	1390	1490	1590	1740	1840	2040	2240	2440	
Maximum height		h <sub>4</sub>			3962	4262	4462	4862	5262	5662	4835	5135	5435	5885	6185	6785	7385	7985	
Tilt of mast/fork carriage	forward/backward	α/β	0	6/7							6/7								
Fork lock-in position centre-centre			mm	191/368/572/6	573/978 (fork c	arriage 1310/1	410 mm)/1080 (f	ork carriage 1410	mm)		191/368/5	72/673/978 (for	k carriage 1310/1	410 mm)/1080 (for	rk carriage 1410 m	m)			
Tyres	front/rear			250-15 (7.00-15 Twin tyres) / 250-15							250-15 (7.00-15 Twin tyres) / 250-15								
Track	front/rear	$b_{10}/b_{11}$	mm	1136 (1364 Twin	tyres) / 1120						1136 (1364	Twin tyres) / 112	20						
Maximum width		b <sub>1</sub>	mm	1380 (1769 Twin	tyres)						1380 (1769	Twin tyres)							
				Telescopic mast							Triplex mast								
A1		,			-	0.400	0.400	4000	4.400	4000			4/00	5000	5000	5000	/500	74.00	
Nominal lift		h <sub>3</sub>			3180	3480	3680	4080	4480	4880	4030	4330	4630	5080	5380	5980	6580	7180	
Overall height		h <sub>1</sub>			2400	2550	2650	2850	3050	3250	2150	2250	2350	2500	2600	2800	3000	3200	
Free lift		h₅	mm		160	160	160	160	160	160	1238	1338	1590	1740	1840	2040	2240	2440	
Maximum height		h <sub>4</sub>		-,	4187	4487	4687	5087	5487	5887	4987	5287	5587	6037	6337	6937	7537	8137	
Tilt of mast/fork carriage	forward/backward	· ·		6/7							6/7								
Fork lock-in position centre-centre		mm 191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)								191/368/572/673/978 (fork carriage 1310/1410 mm)/1080 (fork carriage 1410 mm)									
Tyres	front/rear			28 x 12.5-15 (7.0		s) / 250-15					28 x 12.5-15 (7.00-15 Twin tyres) / 250-15								
Track	front/rear	b <sub>10</sub> /b <sub>11</sub>	mm	1210 (1364 Twin	tyres) / 1120						1210 (1364	1210 (1364 Twin tyres) / 1120							
Maximum width		b <sub>1</sub>	mm	1506 (1769 Twin	tyres)						1506 (1769	Twin tyres)							
				Telescopic mast					Triplex mast										
Naminal lift		h <sub>3</sub>	mm	2980	3180	3480	3680	4080	4480	4880	4030	4330	4630	5080	5380	5980	6580		
Nominal lift		113							2050				0050	2500	2600	2800	3000		
		h <sub>1</sub>		2300	2400	2550	2650	2850	3050	3250	2150	2250	2350	2500	2000	2000	0000		
Overall height Free lift					2400 160	2550 160	2650 160	160	160	3250 160	2150 1238	2250 1338	1590	1740	1840	2040	2240		
Overall height		h <sub>1</sub>	mm mm	160															
Overall height Free lift	forward/backward	h <sub>1</sub> h <sub>5</sub> h <sub>4</sub>	mm mm	160	160	160	160	160	160	160	1238	1338	1590	1740	1840	2040	2240		
Overall height Free lift Maximum height	forward/backward	$h_1$ $h_5$ $h_4$ $\alpha/\beta$	mm mm mm	160 3987	160 4187	160 4487	160 4687	160 5087	160 5487	160	1238 4987 6/7	1338 5287	1590 5587	1740	1840 6337	2040 6937	2240		
Overall height Free lift Maximum height Tilt of mast/fork carriage	forward/backward front/rear	$h_1$ $h_5$ $h_4$ $\alpha/\beta$	mm mm mm	160 3987 6/7	160 4187 573/978 (fork c	160 4487 arriage 1310/1	160 4687	160 5087	160 5487	160	1238 4987 6/7 191/368/5	1338 5287	1590 5587 k carriage 1310/1	1740 6037	1840 6337	2040 6937	2240		
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre	front/rear	$h_1$ $h_5$ $h_4$ $\alpha/\beta$	mm mm o	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0	160 4187 573/978 (fork c 00-15 Twin tyres	160 4487 arriage 1310/1	160 4687	160 5087	160 5487	160	1238 4987 6/7 191/368/5 28 x 12.5-1	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty	1590 5587 k carriage 1310/1 rres) / 250-15	1740 6037	1840 6337	2040 6937	2240		
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres	front/rear	$h_1$ $h_5$ $h_4$ $\alpha/\beta$	mm mm o mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin	160 4187 573/978 (fork c 00-15 Twin tyres tyres) / 1120	160 4487 arriage 1310/1	160 4687	160 5087	160 5487	160	1238 4987 6/7 191/368/5 28 x 12.5-11 1210 (1364	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112	1590 5587 k carriage 1310/1 rres) / 250-15	1740 6037	1840 6337	2040 6937	2240		
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track	front/rear	h <sub>1</sub> h <sub>5</sub> h <sub>4</sub> α/β	mm mm o mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0	160 4187 573/978 (fork c 00-15 Twin tyres tyres) / 1120	160 4487 arriage 1310/1	160 4687	160 5087	160 5487	160	1238 4987 6/7 191/368/5 28 x 12.5-1	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112	1590 5587 k carriage 1310/1 rres) / 250-15	1740 6037	1840 6337	2040 6937	2240		
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track	front/rear	h <sub>1</sub> h <sub>5</sub> h <sub>4</sub> α/β	mm mm mm o mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres)	160 4487 arriage 1310/1	160 4687	160 5087	160 5487	160	1238 4987 6/7 191/368/5 28 x 12.5-1 1210 (1364 1506 (1769	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres)	1590 5587 k carriage 1310/1 rres) / 250-15	1740 6037	1840 6337 rk carriage 1410 m	2040 6937 m)	2240 7537		
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track	front/rear	h <sub>1</sub> h <sub>5</sub> h <sub>4</sub> α/β	mm mm o mm mm mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin <b>Telescopic mast</b> 2780	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres) t	160 4487 arriage 1310/1 s) / 250-15	160 4687 410 mm)/1080 (t	160 5087 fork carriage 1410	160 5487 mm)	160 5887 4680	1238 4987 6/7 191/368/5 28 x 12.5-1: 1210 (1364 1506 (1769) Triplex mas 3730	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres) st 4030	1590 5587 k carriage 1310/1 (rres) / 250-15	1740 6037 410 mm)/1080 (for 4730	1840 6337 rk carriage 1410 m 5080	2040 6937 m)	2240 7537	6880	
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track Maximum width  Nominal lift	front/rear	$\begin{array}{c c} h_1 & & \\ h_5 & & \\ h_4 & & \\ \alpha/\beta & & \\ & & \\ b_{10}/b_{11} & & \\ b_1 & & \\ \end{array}$	mm mm o mm mm mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin <b>Telescopic mast</b> 2780	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres)	160 4487 arriage 1310/1	160 4687 410 mm)/1080 (t	160 5087 fork carriage 1410	160 5487 mm)	160 5887	1238 4987 6/7 191/368/5 28 x 12.5-1 1210 (1364 1506 (1769	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres)	1590 5587 k carriage 1310/1 rres) / 250-15	1740 6037 410 mm)/1080 (for	1840 6337 rk carriage 1410 m	2040 6937 m)	2240 7537	6880 3200	
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track Maximum width  Nominal lift	front/rear	$\begin{array}{c c} h_1 & & \\ h_5 & & \\ h_4 & & \\ \alpha/\beta & & \\ \\ b_{10}/b_{11} & & \\ b_1 & & \\ \end{array}$	mm mm o mm mm mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin Telescopic mast 2780 2300	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres) t	160 4487 arriage 1310/1 s) / 250-15	160 4687 410 mm)/1080 (t	160 5087 fork carriage 1410	160 5487 mm)	160 5887 4680	1238 4987 6/7 191/368/5 28 x 12.5-1: 1210 (1364 1506 (1769) Triplex mas 3730	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres) st 4030	1590 5587 k carriage 1310/1 (rres) / 250-15	1740 6037 410 mm)/1080 (for 4730	1840 6337 rk carriage 1410 m 5080	2040 6937 m)	2240 7537		
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track Maximum width  Nominal lift Overall height	front/rear	h <sub>1</sub> h <sub>5</sub> h <sub>4</sub> α/β b <sub>10</sub> /b <sub>11</sub> b <sub>1</sub>	mm mm o mm mm mm mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin Telescopic mast 2780 2300 160	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres) <b>t</b> 2980 2400	160 4487 arriage 1310/1 s) / 250-15	160 4687 410 mm)/1080 (t	160 5087 fork carriage 1410 3880 2850	160 5487 mm) 4280 3050	160 5887 4680 3250	1238 4987 6/7 191/368/5 28 x 12.5-1: 1210 (1364 1506 (1769) <b>Triplex mas</b> 3730 2150	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres) st 4030 2250	1590 5587 k carriage 1310/1 (res) / 250-15 20 4330 2350	1740 6037 410 mm)/1080 (for 4730 2500	1840 6337 rk carriage 1410 m 5080 2600	2040 6937 m) 5680 2800	2240 7537 6280 3000	3200	
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track Maximum width  Nominal lift Overall height Free lift	front/rear	h <sub>1</sub> h <sub>5</sub> h <sub>4</sub> α/β  b <sub>10</sub> /b <sub>11</sub> b <sub>1</sub> h <sub>3</sub> h <sub>1</sub> h <sub>5</sub> h <sub>4</sub>	mm mm o mm mm mm mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin Telescopic mast 2780 2300 160	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres) <b>t</b> 2980 2400 160	160 4487 arriage 1310/1 s) / 250-15 3280 2550 160	160 4687 410 mm)/1080 (t	160 5087 fork carriage 1410 3880 2850 160	160 5487 mm) 4280 3050 160	160 5887 4680 3250 160	1238 4987 6/7 191/368/5 28 x 12.5-1: 1210 (1364 1506 (1769) <b>Triplex mas</b> 3730 2150 1130	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres) st 4030 2250 1230	1590 5587 k carriage 1310/1 (res) / 250-15 20 4330 2350 1330	1740 6037 410 mm)/1080 (for 4730 2500 1480	1840 6337 rk carriage 1410 m 5080 2600 1580	2040 6937 m) 5680 2800 1780	2240 7537 6280 3000 1980	3200 2180	
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track Maximum width  Nominal lift Overall height Free lift Maximum height	front/rear front/rear	$\begin{array}{c c} h_1 & & \\ h_5 & & \\ h_4 & & \\ \alpha/\beta & & \\ \\ b_{10}/b_{11} & & \\ b_1 & & \\ \\ h_3 & & \\ h_1 & & \\ h_5 & & \\ h_4 & & \\ \alpha/\beta & & \\ \end{array}$	mm mm o mm mm mm mm mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin Telescopic mast 2780 2300 160 3887	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres) <b>t</b> 2980 2400 160 4087	160 4487 arriage 1310/1 s) / 250-15 3280 2550 160 4387	3480 2650 160 4587	160 5087 Fork carriage 1410 3880 2850 160 4987	160 5487 mm) 4280 3050 160 5387	160 5887 4680 3250 160	1238 4987 6/7 191/368/5 28 x 12.5-1: 1210 (1364 1506 (1769) <b>Triplex mas</b> 3730 2150 1130 4795 6/7	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres) st 4030 2250 1230 5095	1590 5587 k carriage 1310/1 (res) / 250-15 20 4330 2350 1330 5395	1740 6037 410 mm)/1080 (for 4730 2500 1480	1840 6337 rk carriage 1410 m 5080 2600 1580 6145	2040 6937 m) 5680 2800 1780 6745	2240 7537 6280 3000 1980	3200 2180	
Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre Tyres Track Maximum width  Nominal lift Overall height Free lift Maximum height Tilt of mast/fork carriage Fork lock-in position centre-centre	front/rear front/rear	$\begin{array}{c c} h_1 & & \\ h_5 & & \\ h_4 & & \\ \alpha/\beta & & \\ \\ b_{10}/b_{11} & & \\ b_1 & & \\ \\ h_3 & & \\ h_1 & & \\ h_5 & & \\ h_4 & & \\ \alpha/\beta & & \\ \end{array}$	mm mm o mm mm mm mm mm	160 3987 6/7 191/368/572/6 28 x 12.5-15 (7.0 1210 (1364 Twin 1506 (1769 Twin  Telescopic mast 2780 2300 160 3887 6/7 191/368/572/6	160 4187 673/978 (fork c 00-15 Twin tyres tyres) / 1120 tyres) <b>t</b> 2980 2400 160 4087 673/978 (fork c	160 4487 arriage 1310/1 s) / 250-15 3280 2550 160 4387 arriage 1310/1	3480 2650 160 4587	160 5087 Fork carriage 1410 3880 2850 160 4987	160 5487 mm) 4280 3050 160 5387	160 5887 4680 3250 160	1238 4987 6/7 191/368/5 28 x 12.5-1: 1210 (1364 1506 (1769) <b>Triplex mas</b> 3730 2150 1130 4795 6/7 191/368/5	1338 5287 72/673/978 (forl 5 (7.00-15 Twin ty Twin tyres) / 112 Twin tyres) st 4030 2250 1230 5095	1590 5587 k carriage 1310/1 (res) / 250-15 20 4330 2350 1330 5395 k carriage 1310/1	1740 6037 410 mm)/1080 (for 4730 2500 1480 5845	1840 6337 rk carriage 1410 m 5080 2600 1580 6145	2040 6937 m) 5680 2800 1780 6745	2240 7537 6280 3000 1980	3200 2180	
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### Technical Drawings





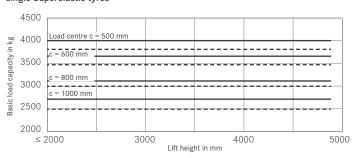


Top view

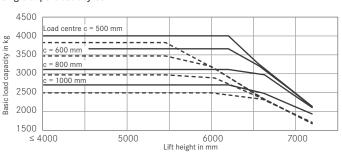
4

# RX 70-40/50 Diesel and LPG Forklift Trucks Basic Load Capacities

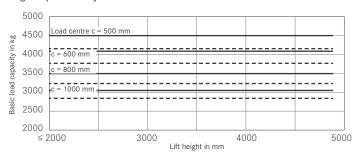
## RX 70-40 Telescopic mast single Superelastic tyres



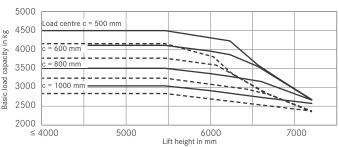
## RX 70-40 Triplex mast single Superelastic tyres



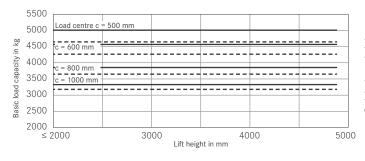
# RX 70-45 Telescopic mast single Superelastic tyres



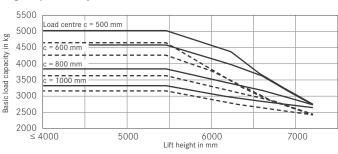
RX 70-45 Triplex mast single Superelastic tyres



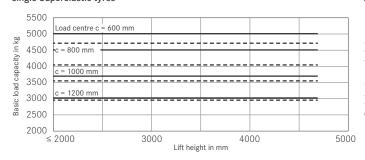
# RX 70-50 Telescopic mast single Superelastic tyres



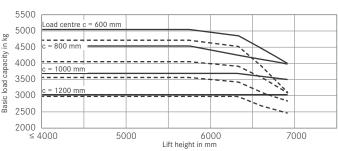
RX 70-50 Triplex mast single Superelastic tyres



# RX 70-50/600 Telescopic mast single Superelastic tyres



RX 70-50/600 Triplex mast single Superelastic tyres



<sup>—</sup> With standard forks ——— With integrated side shifter and standard forks The values indicated may vary depending on the truck's features







 $\label{thm:maximum} \mbox{Maximum visibility thanks to numerous windows and narrow overhead guard profiles}$ 



Additional protective grille roof



High comfort thanks to high-quality driver's seat



Always the best view of the load and forks thanks to narrow mast profiles



Precise and fatigue-free working with the Joystick 4Plus



Wide, unrestricted entry and exit area



Also available as an LPG variant



Good servicing and maintenance access

# RX 70-40/50 Diesel and LPG Forklift Trucks The benchmark for efficiency

High availability, longer service life and low operating costs thanks to diesel-electric drive

Individually adjustable: driving and lifting behaviour can be tailored to operational circumstances and driver preferences

Modern, easy-servicing DEUTZ industrial diesel engine complies with the emission standard with just an oxidation catalyst and no diesel particle filter

The RX 70 40-50 IC trucks with a load capacity of up to five tonnes have been fitted with a diesel-electric drive. This combines the advantages of a powerful internal combustion engine with the precision of an electric drive, guaranteeing high availability, a longer service life and lower operating costs. With their compact design and high manoeuvrability coupled with sensitive transmission and lifting control, the RX 70 40-50 IC trucks enable top handling performance. The driving and lifting behaviour can be adjusted to operational circumstances or driver preferences. All drive components are encapsulated to provide protection against dust and water penetration.

As a result the trucks are perfect for a range of applications, including indoor and outdoor use in the construction industry, building materials sector and wood processing, the metalworking industry and the food and drinks industry. Customers in the logistics and freight-carrier industries also stand to benefit. The bend-proof and torsionally rigid mast allows safe load handling, even for heavy loads with a high residual load capacity. The comfortable driver's cab incorporates the latest ergonomic criteria to combat fatigue and improve safety. Five driving programmes are available. The Blue-Q energy-saving mode cuts

energy consumption by 10 per cent with no loss of performance.



#### Power

- Can lift up to five tonnes with a load centre of 600 mm
- Diesel-electric drive with powerful industrial engines: high availability, longer service life and low operating costs
- Move goods effectively: driving speed of up to 21 km/h
- High delivery volume at low engine speeds due to electrically controlled hydraulic pump
- Safe load handling even with heavy loads due to robust, bend-proof and torsionally rigid mast

#### Precision

- Select maximum turnover or maximum efficiency: five driving programmes leave you in control
- Speed, acceleration and braking can all be individually set
- Powerful and precise hydraulic operation reduces breakages: safe load handing thanks to sensitive and direct hydraulic control

### Ergonomics

- Spacious, comfortable driver's cab that can be individually set up and offering numerous storage compartments
- Premium driver's seat offers the best seat ergonomics
- Safe and comfortable entry and exit due to large, non-slip and clearly visible step
- Choose from a range of individual control options: mini-lever,
   Fingertip or Joystick 4Plus

### Compactness

- Ideal for confined spaces thanks to smaller working widths
- Optimal visibility over the truck contours due to narrow overhead guard profile struts and large windows
- Low operating forces and easy truck handling due to small steering wheel and nimble steering axle

### Safety

- Perfect all-round view: narrow mast profile and large viewing windows on all sides
- Asymmetrically offset driver's seat affords excellent visibility over load and fork carriage
- Optimal stability thanks to low centre of gravity (truck)
- Convenient step and grab handles ensure high operator safety
- Robust, bend-proof and torsionally rigid mast brings added safety for drivers and the environment

#### **Environmental Responsibility**

- Reduction of operating costs and CO₂ emissions
- Low emissions: complies with 97/68/EC 3b even without a diesel particle filter
- Blue-Q energy-saving mode allows energy savings of up to 10 per cent at the press of a button with no loss of performance
- Over 95 per cent of all installed materials are recyclable

# RX 70-40/50 Diesel and LPG Forklift Trucks Equipment Variants



	RX 70-40	RX 70-40 T	RX 70-45	RX 70-45 T	RX 70-50	RX 70-50 T	RX 70-50/600	RX 70-50/600
Impact-absorbing driver's seat for optimal comfort on uneven routes	•	•	•	•	•	•	•	•
Steel protective roof (height approx. 2,325 mm)	•	•	•	•	•	•	•	•
Low protective roof (height approx. 2,215 mm)	0	0	0	0	0	0	0	0
High protective roof (height approx. 2,725 mm)	0	0	_	0	_	0	_	0
Weather protection design in different variants	0	0	0	0	0	0	0	0
Driver's cab	0	0	0	0	0	0	0	0
Tarpaulin cab	0	0	0	0	0	0	0	0
Tinted front windscreen, rear and front windows, windscreen washing/wiping facility	0	0	0	0	0	0	0	0
Single-pedal transmission control	•	•	•	•	•	•	•	•
Double-pedal transmission control	0	0	0	0	0	0	0	0
Built-in storage and drink holder	•	•	•	•	•	•	•	•
Display and function buttons protected from water spray	•	•	•	•	•	•	•	•
Writing pad with clipboard (removable) and lighting	0	0	0	0	0	0	0	0
Grammer driver's seat with leatherette cover		_	•	•	•	•	•	0
Comfort driver's seat with textile cover and lumbar support	0	0	0	0	0	0	0	
Exclusive driver's seat with leatherette or textile cover, mechanical or airsprung, extra-wide seat pad, large suspension travel, lumbar support, height-adjustable back extension and heated seat	0	0	0	0	0	0	0	0
Horizontal spring plate for driver's seat to minimise human vibrations	0	0	0	0	0	0		0
Document pocket on the seat back Roof liner with interior lighting	0	0	0	0	0	0	0	0
Radio/MP3 player with USB connection	0	0	0	0	0	0	0	
Adjustable roof window	0	0	0	0	0	0	0	0
•	0	0	0	0	0	0	0	
Protective sunshade and sun blind  Water heating with blower and defroster nozzles for front windscreen and footwell	0	0	0	0	0	0	0	0
Air conditioning	0	0	0	0	0	0	0	0
Telescopic free view mast	0	0	0	0	0	0	0	0
Triplex free view mast	0	0	0	0	0	0	0	0
Fork wear protection	0	0	0	0	0	0	0	0
Different fork carriage widths and integrated side shifter	0	0	0	0	0	0	0	0
Load backrest	0	0	0	0	0	0	0	0
Automatic mast vertical position	0	0	0	0	0	0	0	0
Hydraulic accumulator in the lifting cylinder to attenuate pressure peaks in the hydraulic system	0	0	0	0	0	0	0	0
Angle of incline 6/7° front/rear incline	•	•	•	•	•	•	•	•
Bellows protect the tilt cylinder from dust and moisture	0	0	0	0	0	0	0	0
Superelastic tyres, SIT system, single or twin	•	•	•	•	•	•	•	•
Superelastic tyres, SIT system, natural colour or anti-static	0	0	0	0	0	0	0	0
Pneumatic tyres, single or twin	0	0	0	0	0	0	0	0
Proportional valve technology for especially sensitive movements	•	•	•	•	•	•	•	•
Joystick 4Plus or Fingertip	0	0	0	0	0	0	0	0
Up to three hydraulic circuits for controlling accessories	0	0	0	0	0	0	0	0
Custom parametrisation of hydraulic functions	•	•	•	•	•	•	•	•
Mini-lever with armrest, two levers		•	•	•	•	•	•	1
Mini-lever with armrest, three or four levers	0	0	0	0	0	0	0	0
Five driving programmes for different driving and braking behaviour	•	•	•	•	•	•	•	•
Blue-Q energy-saving mode	•	•	•	•	•	•	•	•
Smooth acceleration and reversing	•	•	•	•	•	•	•	•
Maintenance-free drives for driving, steering and lifting	•	•	•	•	•	•	•	•
Travel and lift drive components enclosed to protect against dust and dirt	•	•	•	•	•	•	•	•
Dry air filter with maintenance indicator	•	•	•	•	•	•	•	•
Additional air filter or cyclone pre-separator	0	0	0	0	0	0	0	0
Gas forklift with LPG cylinders	_	•	_	•	_	•	_	•
LPG tank 70 litres	_	0	_	0	_	0	_	0
Automatic engine shutdown	0	0	0	0	0	0	0	0
Engine preheating via external power connection	0	0	0	0	0	0	0	0
Regulated 3-way catalytic converter	_	0	_	0	_	0	_	_
Diesel particle filter	0	_	0	_	0	_	0	_
Wear-free disc brakes that run in an oil bath	•	•	•	•	•	•	•	•
Electromechanical parking brake	0	0	0	0	0	0	0	0
Hydraulic parking brake	•	•	•	•	•	•	•	•
Forklift has low centre of gravity and steering axle with high self-aligning bearing for optimum levels of safety	•	•	•	•	•	•	•	•
Protective grille roof	0	0	0	0	0	0	0	0
Varrow protective roof profile for an optimum all-round view	•	•	•	•	•	•	•	•
Easybelt restraint system for quick and safe fastening and unfastening	0	0	0	0	0	0	0	0
WS restraint system with strap opening located on both sides	0	0	0	0	0	0	0	0
Lighting system in halogen or LED design, approvable	0	0	0	0	0	0	0	0
Working lights in halogen or LED design	0	0	0	0	0	0	0	0
Roof window in rear protective roof area, improved visibility when reversing	•	•	•	•	•	•	•	•
Flashing warning light	0	0	0	0	0	0	0	0
STILL Safety Light warning device, illuminated blue	0	0	0	0	0	0	0	0
Seat belt control, drive unit only enabled when seat belt is fastened	0	0	0	0	0	0	0	0
Speed limiter adjustable by driver	0	0	0	0	0	0	0	0
Tempomat cruise control	0	0	0	0	0	0	0	0
Load measuring with ±5 per cent precision	0	0	0	0	0	0	0	0
FleetManager: access authorisation, shock detection, reports, OptiTruck	0	0	0	0	0	0	0	0

● Standard ○ Optional — Not available

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STILL is certified in the following areas: Quality management, occupational safety, environmental protection and energy management.

