

# RX 70 Technical Data

Diesel and LPG forklift trucks



RX 70-22

RX 70-25

RX 70-30

RX 70-35

RX 70-30

Hybrid

RX 70-35 Hybrid



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

D11110	erent tyre	es, other masts, additional equipment etc. could give dif	iereni ngures.					
	1.1	Manufacturer			STILL	STILL	STILL	STILL
	1.2	Manufacturer's model designation			RX 70-22	RX 70-22 TDI-PD	RX 70-22T	RX 70-25
S	1.2.1	Manufacture's type designation			7321	7329	7325	7322
Characteristics	1.3	Truck type			Diesel	Diesel	LP gas	Diesel
cteri	1.4	Operation			Rider seated	Rider seated	Rider seated	Rider seated
ara(	1.5	Rated capacity	Q	kg	2200	2200	2200	2500
5	1.6	Load centre	С	mm	500	500	500	500
	1.8	Load distance	x	mm	430	430	430	430
	1.9	Wheel base	V	mm	1700	1700	1700	1700
	2.1	Truck weight	, y	kg	3630	3630	3630	3750
(O	2.2	Axle load, laden, front		kg	5049	5049	5049	5508
Weights	2.2.1	Axle load, laden, rear		kg	781	781	781	742
Wei	2.3	Axle load, unladen, front		kg	1646	1646	1646	1640
	2.3.1	Axle load, unladen, none		kg	1984	1984	1984	2110
_	3.1	Tyres			SE SE	SE	SE SE	SE
S	3.2	Tyre size, front			23 x 9-10	23 x 9-10	23 x 9-10	23 x 9-10
assi					21 x 8-9	<del> </del>	21 x 8-9	21 x 8-9
Wheels   chassis	3.3	Tyre size, rear			21 X 8-9 2X	21 x 8-9 2x	21 X 8-9 2X	
8	3.5	Number of wheels front (x = driven)			2x 2	2	2x 2	2x 2
Vhe	3.5.1	Number of wheels rear (x = driven)						
>	3.6	Track width, front	b10	mm	984	984	984	984
	3.7	Track width, rear	b <sub>11</sub>	mm	920	920	920	920
	4.1	Tilt Mast/Fork carriage, forward		٥	6	6	6	6
	4.1.1	Tilt Mast/Fork carriage, back		٥	10	10	10	10
	4.2	Height, mast lowered	h <sub>1</sub>	mm	2175	2175	2175	2175
	4.3	Free lift	h <sub>2</sub>	mm	160	160	160	160
	4.4	Lift	hз	mm	3020	3020	3020	3020
	4.5	Height, mast raised	h <sub>4</sub>	mm	3650	3650	3650	3650
	4.7	Height over overhead guard (cab)	h <sub>6</sub>	mm	2190	2190	2190	2190
	4.8	Seat height/stand height rel. to SIP	h <sub>7</sub>	mm	1074	1074	1074	1074
	4.12	Coupling height	h <sub>10</sub>	mm	425	425	425	425
SU	4.19	Overall length	l <sub>1</sub>	mm	3570	3570	3570	3600
Basic dimensions	4.20	Length including fork backs	l <sub>2</sub>	mm	2570	2570	2570	2600
<u>iii</u>	4.21	Overall width	b <sub>1</sub>	mm	1180	1180	1180	1180
9	4.22	Fork thickness	s	mm	40	40	40	40
Bas	4.22.1	Fork width	е	mm	100	100	100	100
	4.22.2	Fork length	ı	mm	1000	1000	1000	1000
	4.23	Fork carriage ISO 2328, Class/Form A, B			KI. II/Form A	KI. II/Form A	KI. II/Form A	KI. II/Form A
	4.24	Fork carriage width	bз	mm	1040	1040	1040	1040
	4.31	Floor clearance under mast, laden	m <sub>1</sub>	mm	125	125	125	125
	4.32	Floor clearance, centre of wheel-base	m <sub>2</sub>	mm	150	150	150	150
	4.33	Working aisle - 1000 x 1200 pallet crosswise	Ast	mm	3912	3912	3912	3942
	4.34	Working aisle - 800 x 1200 pallet lengthways	Ast	mm	4112	4112	4112	4142
	4.35	Turning radius	Wa	mm	2282	2282	2282	2312
	4.36	3	b <sub>13</sub>		584	584	584	584
	5.1	Smallest pivot point distance Travel speed laden	D13	mm /h	21	21	21	21
	5.1.1			km/h km/h	21	21	21	21
		Travel speed unladen		1				
	5.2	Hoist speed laden		m/s	0,51	0,58	0,53	0,51
	5.2.1	Hoist speed unladen		m/s	0,53	0,59	0,55	0,53
99	5.3	Lowering speed laden		m/s	0,60	0,60	0,60	0,60
nan	5.3.1	Lowering speed unladen		m/s	0,53	0,53	0,53	0,53
Performance	5.5	Drawbar pull laden		N	17500	17600	17500	17500
Per	5.5.1	Drawbar pull unladen		N	12140	12140	12040	12140
	5.7	Max. gradeability laden		%	29	28	29	29
	5.7.1	Max. gradeability unladen		%	26	26	26	26
	5.9	Acceleration time laden		S	5,2	4,7	5,2	5,2
	5.9.1	Acceleration time unladen		S	4,6	4,3	4,6	4,6
	5.10	Service brake			electr./hydr.	electr./hydr.	electr./hydr.	electr./hydr.
	7.1	Engine manufacturer			VW	VW	VW	VW
	7.1.1	Туре			BXT	СВНА	BEF	BXT
	7.0	Engine rating to ISO 1585		kW	30	44	36	30
	7.2	Lingine rating to 130 1303						
	7.2.1	Additional power of electrical energy storage		kW				
ine	7.2.1			1/min	2600	2600	2600	2600
Engine	7.2.1 7.3	Additional power of electrical energy storage		1	2600 4	2600	2600 4	2600 4
Engine	7.2.1 7.3 7.4	Additional power of electrical energy storage Nenndrehzahl No. of cylinders		1/min	4	4	4	4
Engine	7.2.1 7.3 7.4 7.4.1	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume		1/min cm³	4 1900	4 2000		4 1900
Engine	7.2.1 7.3 7.4	Additional power of electrical energy storage Nenndrehzahl No. of cylinders		1/min cm³ I/h	4	4	4 2000	4
Engine	7.2.1 7.3 7.4 7.4.1 7.5	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h)		1/min  cm³  l/h kg/h	4 1900 2,4	4 2000 2,9	4 2000 2,5	4 1900 2,5
Engine	7.2.1 7.3 7.4 7.4.1 7.5 7.9	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage		1/min cm³ I/h	4 1900 2,4	4 2000 2,9	4 2000 2,5 12	4 1900 2,5
Engine	7.2.1 7.3 7.4 7.4.1 7.5 7.9 8.1	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage Drive control		1/min  cm³ I/h kg/h V	4 1900 2,4 12 Diesel-electric	4 2000 2,9 12 Diesel-electric	4 2000 2,5 12 Diesel-electric	4 1900 2,5 12 Diesel-electric
	7.2.1 7.3 7.4 7.4.1 7.5 7.9 8.1 10.1	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage Drive control Working pressure for attachments		1/min  cm³ I/h kg/h V  bar	4 1900 2,4 12 Diesel-electric 250	4 2000 2,9 12 Diesel-electric 250	4 2000 2,5 12 Diesel-electric 250	4 1900 2,5 12 Diesel-electric 250
	7.2.1 7.3 7.4 7.4.1 7.5 7.9 8.1 10.1 10.2	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage Drive control Working pressure for attachments Oil volume for attachments		1/min  cm³ I/h kg/h V  bar I/min	4 1900 2,4 12 Diesel-electric 250 30	4 2000 2,9 12 Diesel-electric 250 30	4 2000 2,5 12 Diesel-electric 250 30	4 1900 2,5 12 Diesel-electric 250 30
	7.2.1 7.3 7.4 7.4.1 7.5 7.9 8.1 10.1 10.2 10.4	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage Drive control Working pressure for attachments Oil volume fuel tank		1/min  cm³ I/h kg/h V  bar I/min I/kg	4 1900 2,4 12 Diesel-electric 250 30 58	4 2000 2,9 12 Diesel-electric 250 30 58	4 2000 2,5 12 Diesel-electric 250 30 11	4 1900 2,5 12 Diesel-electric 250 30 58
	7.2.1 7.3 7.4 7.4.1 7.5 7.9 8.1 10.1 10.2 10.4	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage Drive control Working pressure for attachments Oil volume for attachments Volume fuel tank Sound pressure level LPAZ 1 (driver's seat)		1/min  cm³ I/h kg/h V  bar I/min I/kg dB (A)	4 1900 2,4 12 Diesel-electric 250 30 58 <77	4 2000 2,9 12 Diesel-electric 250 30 58 <77	4 2000 2,5 12 Diesel-electric 250 30 11 <77	4 1900 2,5 12 Diesel-electric 250 30 58 <77
Miscellaneous Engine	7.2.1 7.3 7.4 7.4.1 7.5 7.9 8.1 10.1 10.2 10.4	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage Drive control Working pressure for attachments Oil volume for attachments Volume fuel tank Sound pressure level LPAZ (driver's seat) Sound power level LWAZ (work cycle)		1/min  cm³ I/h kg/h V  bar I/min I/kg dB (A) dB (A)	4 1900 2,4 12 Diesel-electric 250 30 58 <77 <100	4 2000 2,9 12 Diesel-electric 250 30 58 <77 <99	4 2000 2,5 12 Diesel-electric 250 30 11 <77 <97	4 1900 2,5 12 Diesel-electric 250 30 58 <77 <100
	7.2.1 7.3 7.4 7.4.1 7.5 7.9 8.1 10.1 10.2 10.4 10.7	Additional power of electrical energy storage Nenndrehzahl No. of cylinders Swept volume Fuel consumption to VDI Cycle (60 runs/h) On-board voltage Drive control Working pressure for attachments Oil volume for attachments Volume fuel tank Sound pressure level LPAZ 1 (driver's seat)		1/min  cm³ I/h kg/h V  bar I/min I/kg dB (A)	4 1900 2,4 12 Diesel-electric 250 30 58 <77	4 2000 2,9 12 Diesel-electric 250 30 58 <77	4 2000 2,5 12 Diesel-electric 250 30 11 <77	4 1900 2,5 12 Diesel-electric 250 30 58 <77

<sup>&</sup>lt;sup>1</sup> With reduced rated capacity and/or limited lift height.

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

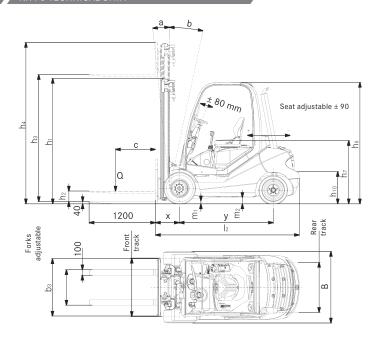
_		es, other masts, additional equipment etc. could give diffe	7					
	1.1	Manufacturer			STILL	STILL	STILL	STILL
	1.2	Manufacturer's model designation			RX 70-25 TDI-PD	RX 70-25T	RX 70-30	RX 70-30 Hybrid
SS	1.2.1	Manufacture's type designation			7330	7326	7323	7323
Characteristics	1.3	Truck type			Diesel	LP gas	Diesel	Diesel/Hybrid
acte	1.4	Operation			Rider seated	Rider seated	Rider seated	Rider seated
Shar	1.5	Rated capacity	Q	kg	2500	2500	3000	3000
-	1.6	Load centre	С	mm	500	500	500	500
	1.8	Load distance	X	mm	430	430	450	450
	1.9	Wheel base	У	mm	1700	1700	1700	1700
	2.1	Truck weight		kg	3750	3750	4200	4235
ghts	2.2	Axle load, laden, front		kg	5508	5508	6326	6335
Weights	2.2.1	Axle load, laden, rear		kg	742	742	874	900
	2.3	Axle load, unladen, front		kg	1640	1640	1650 2550	1660 2575
_	3.1	Axle load, unladen, rear  Tyres		kg	2110 SE	2110 SE	SE SE	SE
<sub>0</sub>	3.2	Tyre size, front			23 x 9-10	23 x 9-10	23 x 9-10	23 x 9-10
assi	3.3	Tyre size, rear			21 x 8-9	21 x 8-9	21 x 8-9	21 x 8-9
Wheels   chassis	3.5	Number of wheels front (x = driven)			21 X 0-9 2X	2x	21 X 6-9	21 X 6-9
els	3.5.1	Number of wheels from (x = driver)			2	2	2	2
Whe	3.6	Track width, front	b <sub>10</sub>	mm	984	984	984	984
_	3.7	Track width, rear	b <sub>11</sub>	mm	920	920	920	920
	4.1	Tilt Mast/Fork carriage, forward	DII	0	6	6	6	6
l	4.1.1	Tilt Mast/Fork carriage, back		0	10	10	10	10
	4.2	Height, mast lowered	h <sub>1</sub>	mm	2175	2175	2175	2175
	4.3	Free lift	h <sub>2</sub>	mm	160	160	160	160
İ	4.4	Lift	h <sub>3</sub>	mm	3020	3020	3020	3020
ĺ	4.5	Height, mast raised	h <sub>4</sub>	mm	3650	3650	3800	3800
	4.7	Height over overhead guard (cab)	h <sub>6</sub>	mm	2190	2190	2190	2190
ĺ	4.8	Seat height/stand height rel. to SIP	h <sub>7</sub>	mm	1074	1074	1074	1074
İ	4.12	Coupling height	h <sub>10</sub>	mm	425	425	425	425
S	4.19	Overall length	l <sub>1</sub>	mm	3600	3600	3705	3705
Basic dimensions	4.20	Length including fork backs	2	mm	2600	2600	2705	2705
ine.	4.21	Overall width	b <sub>1</sub>	mm	1180	1180	1180	1180
is g	4.22	Fork thickness	s	mm	40	40	50	50
Bas	4.22.1	Fork width	е	mm	100	100	100	100
İ	4.22.2	Fork length	I	mm	1000	1000	1000	1000
İ	4.23	Fork carriage ISO 2328, Class/Form A, B			KI. II/Form A	KI. II/Form A	KI. III/Form A	KI. III/Form A
l	4.24	Fork carriage width	bз	mm	1040	1040	1100	1100
ĺ	4.31	Floor clearance under mast, laden	m <sub>1</sub>	mm	125	125	125	125
ĺ	4.32	Floor clearance, centre of wheel-base	m <sub>2</sub>	mm	150	150	150	150
ĺ	4.33	Working aisle - 1000 x 1200 pallet crosswise	Ast	mm	3942	3942	4037	4037
	4.34	Working aisle - 800 x 1200 pallet lengthways	Ast	mm	4142	4142	4237	4237
	4.35	Turning radius	Wa	mm	2312	2312	2387	2387
	4.36	Smallest pivot point distance	b <sub>13</sub>	mm	584	584	584	584
	5.1	Travel speed laden		km/h	21	21	21	21
	5.1.1	Travel speed unladen		km/h	21	21	21	21
	5.2	Hoist speed laden		m/s	0,58	0,53	0,48	0,47
	5.2.1	Hoist speed unladen		m/s	0,59	0,55	0,51	0,53
o o	5.3	Lowering speed laden		m/s	0,60	0,60	0,60	0,60
Performance	5.3.1	Lowering speed unladen		m/s	0,53	0,53	0,53	0,53
form	5.5	Drawbar pull laden		N	17600	17500	17600	17700
Peri	5.5.1	Drawbar pull unladen		N	12140	12040	12300	12300
	5.7	Max. gradeability laden		%	28	29	24	22
	5.7.1	Max. gradeability unladen		%	26	26	23	23
	5.9	Acceleration time laden		S	4,9	5,2	5,3	5,5
	5.9.1	Acceleration time unladen		S	4,3	4,6	4,5	4,6
_	5.10	Service brake			electr./hydr.	electr./hydr.	electr./hydr.	electr./hydr.
	7.1	Engine manufacturer			VW	VW	VW	VW
	7.1.1	Type		1.144	CBHA	BEF	CBHA	BXT
	7.2	Engine rating to ISO 1585		kW	44	36	44	30
Φ.	7.2.1	Additional power of electrical energy storage		kW	0/00	0/00	0/00	8
ngin	7.3 7.4	Nenndrehzahl No. of cylinders		1/min	2600	2600 4	2600	2600
, m	7.4.1	Swept volume		cm <sup>3</sup>	2000	2000	2000	1900
	7.4.1			I/h	3,1	2000	3,3	2,9
	7.5	Fuel consumption to VDI Cycle (60 runs/h)		kg/h	٥,١	2,6	٥,٥	۷,۶
	7.9	On-board voltage		V V	12	12	12	12
	8.1	Drive control		V	Diesel-electric	Diesel-electric	Diesel-electric	Diesel-electric
ı	10.1	Working pressure for attachments		bar	250	250	250	250
l	10.2	Oil volume for attachments		I/min	30	30	30	30
Sn	110.7			l/kg	58	11	58	58
neous		Volume fuel tank		17 K 9				
ellaneous	10.4	Volume fuel tank  Sound pressure level LPAZ (driver's seat)			<77	<77	<77	<76
Miscellaneous		Sound pressure level LPAZ 1 (driver's seat)		dB (A)				
Miscellaneous	10.4 10.7				<77	<77	<77	<76

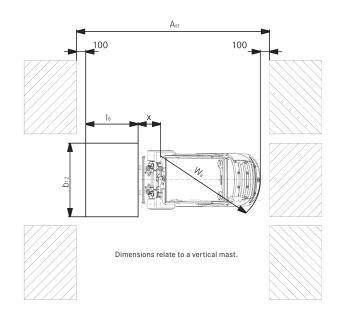
<sup>&</sup>lt;sup>1</sup> With reduced rated capacity and/or limited lift height.

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

1.3   Moralescurés type designations   7.777   7.724   7.724   7.726   7.726   7.726   7.727   7.726   7.727   7.726   7.727   7.728   7.727   7.728   7.727   7.728	Diffe	rent tyre	es, other masts, additional equipment etc. could give diff	ferent figures.					
1		1.1	Manufacturer			STILL	STILL	STILL	STILL
The content of the	İ	1.2	Manufacturer's model designation			RX 70-30T	RX 70-35	RX 70-35 Hvbrid	RX 70-35T
Fig.   1.4. Cyclomates   1.2 gas			9						
Controlled   Con	tics								
1.9   Wheel State	eris								
1.5   Week Base	ract				l. =				
1.5   Week Base	e								
1.00   1.700	-								
2   2   7   Took meight			Load distance	X	mm				
Section   Sect			Wheel base	у	mm	1700	1700	1700	1700
\$\frac{9}{2}\$_2\$_2\$_2\$_3\$_4 Assis bases, protect   \$\kg\$_2\$_3\$_4 Assis bases, unlocker, front   \$\kg\$_2\$_550   \$220   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$292.0   \$294.5   \$294.0	1	2.1	Truck weight		kg	4200	4530	4565	4530
23.1   View	ts	2.2	Axle load, laden, front		kg	6326	7065	7075	7065
2.51   Auth Intelligent (uniform)	jë	2.2.1	Axle load, laden, rear		kg	874	965	990	965
23.1   Yes	×	2.3	Axle load, unladen, front		kg	1650	1610	1620	1610
Section   Sect	1					2550	2920	2945	
23   Syre same, front					8				
2   x 8-9	S		,						
3.7   Track width, rear	assi		i -						
3.7   Track width, rear	등								
4.1   Ill Mast/Fort carriage, browned	8								
3.7   Track width, rear	/hee								
4.1.1 Till Mast/Fort carriage, forward   *   6   6   6   6	>								
1			· ·	b11					
A-2   Height, mast bewinder   h mm   2175   2173   2173   2175   2174   2175									
A-4   UIT			-		۰	10	10	10	10
4.4   Lift	1	4.2	Height, mast lowered	h <sub>1</sub>	mm	2175	2175	2175	2175
A		4.3	Free lift	h <sub>2</sub>	mm	160	160	160	160
4,7   Height over overhead guard (cab)   his mm   2190   2195   2195   2195     4,18   Seet height/stand height rel. to SIP   his mm   1074   1074   1074   1074     4,12   Coupling height   his mm   425   425   425   425   425     4,19   Overall length   his mm   425   425   425   425     4,10   Coupling height   his mm   2705   3270   3270   3270     4,12   Coupling height   his mm   2205   2270   2270   2270     4,21   Coveral width   his mm   1180   1194   1194     4,22   Fork thickness   s mm   50   80   50   50     4,22   Fork thickness   s mm   50   80   50   50     4,22   Fork carriage ISO 2378, Class / Form A, B   KI, III/Form A   KI,	1	4.4	Lift	hз	mm	3020	2820	2820	2820
4,7   Reight over overhead guard (asb)   hs   mm   2190   2195   2195   2195   4.8   Seat height/stand height rel. to SIP   hr   mm   1074	İ	4.5	Height, mast raised	h <sub>4</sub>	mm	3800	3700	3700	3700
A	1								
Record   1.00	ı		0 ( )						
Part	1								
20	S								
4.222   Fork length   1 mm   1000	sion								
4.222   Fork lenight	l eu		3 3						
4.222   Fork length   1 mm   1000	<del>:</del>								
4.222   Fork length   1 mm   1000	asic								
4.23   Fork carriage ISO 2328, Class/Form A, B   KJ. III/Form A	l <sup>∞</sup>			е					
4.24   Fork carriage width			<u> </u>	l l	mm				
4.31   Floor clearance under mast, laden   mi mm   125   1		4.23	Fork carriage ISO 2328, Class/Form A, B				KI. III/Form A		
4.32   Floor clearance, centre of wheel-base		4.24	Fork carriage width	bз	mm	1100	1100	1100	1100
Ai		4.31	Floor clearance under mast, laden	m <sub>1</sub>	mm	125	125	125	125
A.34   Working aisle - 800 x 1200 pallet lengthways	1	4.32	Floor clearance, centre of wheel-base	m <sub>2</sub>	mm	150	150	150	150
4.35   Turning radius	1	4.33	Working aisle - 1000 x 1200 pallet crosswise	Ast	mm	4037	4127	4127	4127
S.1   Travel speed unladen   S.1   Travel speed unladen   S.1   Travel speed unladen   S.1   Travel speed unladen   S.1   Travel speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   S.2   Hoist speed unladen   S.3   Lowering speed unladen   S.3   Lowering speed unladen   S.3	1	4.34	Working aisle - 800 x 1200 pallet lengthways	Ast	mm	4237	4327	4327	4327
S.1   Travel speed unladen   S.1   Travel speed unladen   S.1   Travel speed unladen   S.1   Travel speed unladen   S.1   Travel speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   Hoist speed unladen   S.2   S.2   Hoist speed unladen   S.3   Lowering speed unladen   S.3   Lowering speed unladen   S.3	İ	4.35	Turning radius	Wa	mm	2387	2477	2477	2477
1.1   Travel speed laden	İ								
S.1.1   Travel speed unladen				10.0					
Fig.   Hoist speed laden	1				-				
Second   Hoist speed unladen	1								
5.3   Lowering speed unladen   m/s   0,60   0,60   0,60   0,60   0,60   0,60   0,60   0,60   0,53   0,55   0,58						· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·
Section   Sect	1								
5.7   Max. gradeability laden   %   25   21   20   22	e e								
5.7   Max. gradeability laden   %   25   21   20   22	Jan		0					-	
5.7   Max. gradeability laden   %   25   21   20   22	forn								
5.7.1   Max. gradeability unladen   %   23   20   20   20     5.9   Acceleration time laden   \$   \$   5,2   5,4   5,6   5,5     5.9.1   Acceleration time unladen   \$   \$   4,6   4,7   4,8   4,9     5.10   Service brake   electr./hydr.	Per								
5.9   Acceleration time laden   S   5,2   5,4   5,6   5,5     5.9.1   Acceleration time unladen   S   4,6   4,7   4,8   4,9     5.10   Service brake   electr./hydr.   electr.   electr.   electr.   electr.   electr.   electr.   electr.			,						
S.9.1   Acceleration time unladen   S   4,6   4,7   4,8   4,9	1		Max. gradeability unladen		%	23	20		
Simple   S	1	5.9	Acceleration time laden		S				
7.1   Engine manufacturer   VW   VW   VW   VW   VW   VW   VW   V		5.9.1	Acceleration time unladen		S	4,6	4,7	4,8	4,9
Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Total   Type   Total   Total   Type   Total	1	5.10	Service brake			electr./hydr.	electr./hydr.	electr./hydr.	electr./hydr.
Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Type   Total   Total   Type   Total   Total   Type   Total		7.1	Engine manufacturer						
Total Parameter   Total Para	1		<del>-</del>						
T.2.1   Additional power of electrical energy storage   KW	1		1 21		kW				
Result	ı								
7.4.1 Swept volume  7.5 Fuel consumption to VDI Cycle (60 runs/h)  8.1 Drive control  10.1 Working pressure for attachments  10.2 Oil volume for attachments  10.4 Volume fuel tank  10.7 Sound pressure level LPAZ ¹ (driver's seat)  10.7 Sound power level LWAZ (work cycle)  8.6 Swept volume  1.	يو ا					2600	2600		2600
7.4.1 Swept volume  7.5 Fuel consumption to VDI Cycle (60 runs/h)  8.1 Drive control  10.1 Working pressure for attachments  10.2 Oil volume for attachments  10.4 Volume fuel tank  10.7 Sound pressure level LPAZ ¹ (driver's seat)  10.7 Sound power level LWAZ (work cycle)  8.6 Swept volume  1.	ngi.	7.0			1/111111				
To   Fuel consumption to VDI Cycle (60 runs/h)   I/h   kg/h   2,9   3,5   3,1   3,1   3,1   7,9   7,	ت ا				2				
7.5   Fuel consumption to VDI Cycle (60 runs/h)   kg/h   2,9   3,1     7.9   On-board voltage		7.4.1	Swept volume			2000			2000
7.9   On-board voltage   V   12   12   12   12   12   12   12	1	7.5	Fuel consumption to VDI Cycle (60 runs/h)			2.2	3,5	3,1	2.1
8.1   Drive control   Diesel-electric   Diesel	1		2 1 2						
10.1   Working pressure for attachments   bar   250	<u></u>		-		V				
10.2   Oil volume for attachments   1/min   30   30   30   30   30   30   30   3		8.1	Drive control			Diesel-electric	Diesel-electric	Diesel-electric	Diesel-electric
10.4   Volume fuel tank   1/kg   11   58   58   11   1   10.7   Sound pressure level LPAZ   (driver's seat)   dB (A)   <77   <77   <76   <77   <77   <76   <77   <77   <76   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77   <77	1	10.1			bar	250	250	250	250
Body vibrations in accordance with EN 13059 m/s² 0,58 0,58 0,58 0,58	Snc	10.2	Oil volume for attachments		I/min	30	30	30	30
Body vibrations in accordance with EN 13059   m/s²   0,58   0,58   0,58   0,58	Juec	10.4			l/kg	11	58	58	11
Body vibrations in accordance with EN 13059 m/s² 0,58 0,58 0,58 0,58	Jell Sell								
Body vibrations in accordance with EN 13059 m/s² 0,58 0,58 0,58 0,58	Mis								
	1								
I LIVAN LIVANUE WOUNGE, TYDGA WOUGE IZIN	1	10.8	Towing coupler, Type/Model DIN		, -	Pin	Pin	Pin	Pin

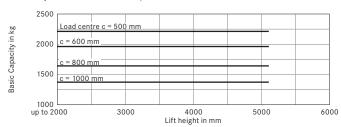
<sup>&</sup>lt;sup>1</sup> With reduced rated capacity and/or limited lift height.



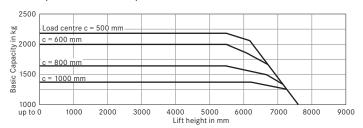


				Tele mast	HiLo mast	Triplex	mast		
_	Rated lift	hз	mm	2320-5120	2500-4800	3580-5080	mast	5230-7780	
	Overall height h <sub>1</sub>		mm	1825-3225	1825-2975	1825-2325		2375-3225	
	Free lift Form A	h <sub>2</sub>	mm	160	1240-2390	1240-1740		1790-2640	
	Free lift Form B	h <sub>2</sub>	mm	160	1195-2345	1195-1695		1745-2595	
25	Greatest height Form A	h <sub>4</sub>	mm	2950-5750	3090-5250	4185-5685		5835-8385	
RX 70-22/25	Greatest height Form B	h <sub>4</sub>	mm	2980-5780	3160-5280	4255-5755		5905-8455	
70	Forward tilt	a a	0	2900-3700		4235-3733		3903-8433	
<u>≈</u>	Back tilt	b	0	10 (with front screen 8)		<u> </u>			
	Load distance	X	mm						
	Tyres		1111111	23 x 9-10 // 21 x 8-9		23 x 9-10 // 21 x 8-9			
	Greatest width (dual tyres)	v/h B	mm	23 X 9-10 / 1180 (du		1180 (dual 1722)	/ 21 X 0	1280 (dual 1722)	
			_	25		259	E	1280 (duai 1722)	
70-22	Overall length Working aisle width	L <sub>2</sub>	mm			(1000 x 1200) 3937 /		v 900) 4127	
RX 7	Track			n (1000 x 1200) 3912 // (1200 x 800) 4112 984/920 (dual = 1220/920)				,	
_	Overall length	V/h L2	mm	984/920 (ddai		984//920 (dual = 1220/920) 262		1//920 (dual = 1220/920)	
70-25	Working aisle width	A <sub>st</sub>						v 900) 4167	
	Track	v/h	mm	(1000 x 1200) 3942 / 984/920 (dual		(1000 x 1200) 3967 / , 984//920 (dual = 1220/920)		7/920 (dual = 1220/920)	
_	IIack	V/11	1111111	Tele mast	HiLo mast	Triplex mast	1040	// 920 (duai = 1220/ 920)	
	Rated lift	ho	mm	2320-5120	2390-4690	3430-7630		i	
			mm	1825-3225	1825-2975			1	
	Overall height h <sub>1</sub> Free lift Form A h <sub>2</sub>		mm	160	1190-2340	1825-3225 1190-2590		1	
	Free lift Form B	h <sub>2</sub>	mm	160	1045-2195	1045-2445		1	
	Greatest height Form A h4		mm	3100-5900	3080-5380	4110-8310		1	
	Greatest height Form B	h <sub>4</sub>	mm	3130-5930	3200-5500	4275-8475		1	
99	Forward tilt	a a	0	3130-3930		6		i	
RX 70-30			0			8		1	
₩	Load distance	X	mm	10 (with front screen 8) 450		475		i	
	Tyres	v/h	1111111	23 x 9-10 (23 x 10-12) // 21 x 8-9		23 x 10-12 // 21 x 8-9		1	
	Greatest width (dual tyres)	В	mm	1180 (1194) (dual 1722)		1280 (dual 1722)		ì	
	Overall length	L <sub>2</sub>	mm	27		2730		1	
	Working aisle width Ast		_	(1000 x 1200) 4037 // (1200 x 800) 4237		(1000 x 1200) 4062 // (1200 x 800) 4262			
	Track	v/h	mm	984(1048)/920 (0		1048/920 (dual = 1220/920)	1202	1	
	THOR	1/11		Tele mast	HiLo mast	Triplex mast		i	
	Rated lift	hз	mm	2120-4920	2190-4290	3130-7330		1	
	Overall height h <sub>1</sub>		mm	1825-3225	1825-2875	1825-3225			
	Free lift Form A	h <sub>2</sub>	mm	160	1090-2140	1090-2590		1	
	Free lift Form B	h <sub>2</sub>	mm	160	1045-2095	1045-2445			
	Greatest height Form A	h <sub>4</sub>	mm	3000-5800	2955-5055	3810-8010		1	
	Greatest height Form B	h <sub>4</sub>	mm	3030-5830	3000-5100	3975-8175			
-35	Forward tilt	а	0	6		6		1	
RX 70-35	Back tilt	b	0	10 (with from		8		1	
5	Load distance	X	mm	45		475		1	
	Tyres v/h		23 x 10-12 // 21 x 8-9		23 x 10-12 // 21 x 8-9		İ		
	Greatest width (dual tyres) B		mm	1194 (dual 1722)		1280 (dual 1722)			
	Overall length	L <sub>2</sub>	mm	27		2795		1	
	Working aisle width Ast		mm	(1000 x 1200) 4127 // (1200 x 800) 4327		(1000 x 1200) 4152 // (1200 x 800) 4352		1	
	Track	v/h	mm	1048/920 (dua		1048/920 (dual = 1220/920)		İ	
	Hack	V/11	1111111	1040/ 720 (uua	1220/920)	1040/920 (uuai - 1220/920)		J	

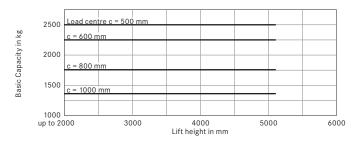
## Basic Capacities RX 70-22 Tele/Full free lift HiLo mast



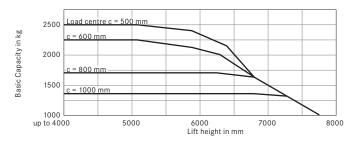
## Basic Capacities RX 70-22 Triplex mast



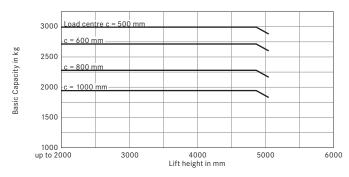
## Basic Capacities RX 70-25 Tele/Full free lift HiLo mast



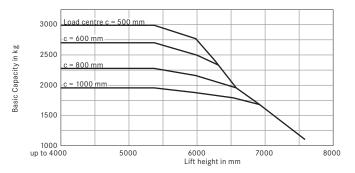
Basic Capacities RX 70-25 Triplex mast



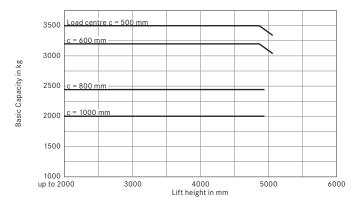
## Basic Capacities RX 70-30 Tele/Full free lift HiLo mast



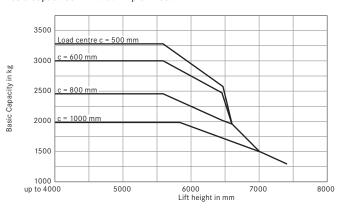
## Basic Capacities RX 70-30 (7323 and 7327) Triplex mast



# Basic Capacities RX 70-35 $\,$ Tele/Full free lift HiLo mast



# Basic Capacities RX 70-35 Triplex mast



#### Overall concept:

Engine powered four wheeled counterbalance forklift truck with front wheel drive.

The overall height of the truck supplied as standard is suitable for standard 8'6" containers.

#### Drive.

- Engine-electric drive with hybrid technology.
- Modern diesel and gas engines with 3-phase generator.
- Gas truck with regulated 3-way Cat\*.
- Drive axle with enclosed 3-phase drive motor.
- Wear-free multi-disc brake running in oil bath.
- Hydraulic engine fan.

#### Hybrid trucks\*

- Diesel-electric drive with recuperation of brake energy and storage of the energy in an electric energy storage system (Ultracaps)
- Use of the stored energy to accelerate the truck

#### Ergonomics.

- Generously laid out driver's workplace.
- High driver comfort and operating convenience due to optimal arrangement of all controls.
- Excellent visibility to all sides.

#### Safety.

- Low truck centre of gravity and an articulating steer axle for the best stability.
- High residual capacities even at high lifts.
- Excellent driving stability around bends no electronic aids required.

# **Environment.**

- Very low fuel consumption in all types of work cycles
- Low emissions meeting directive 97/68/EG level 3a

#### Hybrid trucks\*

- Eco-friendly and resource-saving hybrid drive
- Reduction of the conceptually low fuel consumption by another 20% per hour of operation
- Reduction of CO<sub>2</sub> emissions
- Reduction of noise emission by reducing the engine speed when lifting and driving

#### Service.

- Long maintenance interval 1000 operating hours.
- Quick fault identification in the event of damage due to computerised diagnostics.
- Optimal accessibility for maintenance.
- \*Standard or optional equipment

## **Technical features:**

#### Driver's workplace.

- Low, easy entry step.
- Long hand grip on overhead guard for different gripping heights.
- Large footwell with vibration inhibiting floor covering plus automotive arrangement of the pedals.
- Hydraulic servo steering with small steering wheel, ergonomic offcentre position, offset to the left.
- Narrow steering column without cumbersome display instruments.
- Central display of the drive direction plus change of drive direction in the field of view.
- Large display and operating unit to the right of the driver's workplace.

#### Energy saving feature Blue-Q.

- Activation of the Blue-Q efficiency mode by pressing a button on the dashboard
- Energy saving by intelligent optimisation of the drive characteristics without impairing the work under progress
- Intelligent switch-off of electric equipment
- Possible energy saving depending on the application profile and truck equipment up to 10%

#### Selectable drive parameters.

- Acceleration and braking of the truck can be carried out with just the drive pedal.
- Five drive stages adjustable by the driver.
- Individual setting of speed, acceleration and braking within each drive stage.
- Intelligent drive characteristics with engine speed reduction when the truck has finished accelerating.

#### Electrical system.

- Designed in modern CAN bus technology.
- 12 Volt electrics.
- High-speed bus for drive unit regulation.
- Dedicated CAN bus for lighting and peripherals.
- Cable sets sheathed in corrugated tubing with water tight plug connectors.

# Mast and hydraulics.

- On demand delivery from hydraulic variable displacement pump for the working and steering hydraulics.
- Separation of hoist hydraulics and drive, so no inching required.
- Wide construction, open telescopic mast with and without full free lift and as a Triplex variant.
- Clear view fork carriage with open frame profile.

# Additional equipment features (Optional):

#### Truck equipment.

- Superelastic or pneumatic tyres, single or dual versions.

#### Engine.

- Gas truck with alternatives of gas bottle or tank.
- Regenerative soot particle filter in the counterweight or as a replaceable filter system.
- Wide core radiator and additional air filter for use in environments containing dust or fibres.

## Cab equipment.

- Modular construction cab with front, rear and roof screen.
- Rear mounted damped doors with large opening angles and windows sliding in opposite directions.
- Parallel screen wiper with large wiped area for front and rear screen, with screen washer as standard.
- Rear screen heater as standard.
- Unbreakable exterior and interior mirrors.
- Comfort seat variants with cloth cover, air sprung, seat heater, lumbar support, extended backrest.
- Radio/CD player housed in the interior lining of the overhead guard.

#### Controls.

- Drive actuated by two pedal controls.
- Actuation of the hydraulic functions by Joystick or Fingertip control.

#### Electrical equipment and drive control.

- Tempomat.
- Automotive style lighting also approved for use on public highways.
- Working spotlights front and/or rear on the overhead guard.
- Components of the Materialflow Management System (MMS).
- FleetManager™ Driver identification and control, analysis of truck operating data and accident recorder.
- Camera systems for mast and reversing.

## Mast and hydraulics.

- Auxiliary hydraulics for actuating functions on attachments.
- Various fork carriage widths and fork lengths.
- Attachments to suit each load.
- Hydraulic accumulator to damp shocks in the hydraulic system.





# Your contact

STILL GmbH

Berzeliusstraße 10

D-22113 Hamburg

Telephone: +49 (0)40/73 39-20 00

Telefax: +49 (0)40/73 39-20 01

info@still.de

For further information please visit:

www.still.eu

STILL Materials Handling Ltd.

Aston Way, Leyland

Lancashire PR26 7UX

Telephone: +44 (0)1772 644300

Telefax: +44 (0)1772 644303

info@still.co.uk

For further information please visit:

www.still.co.uk





RX 70 22/35 EN 09/13 TD Subject to technical modifications.