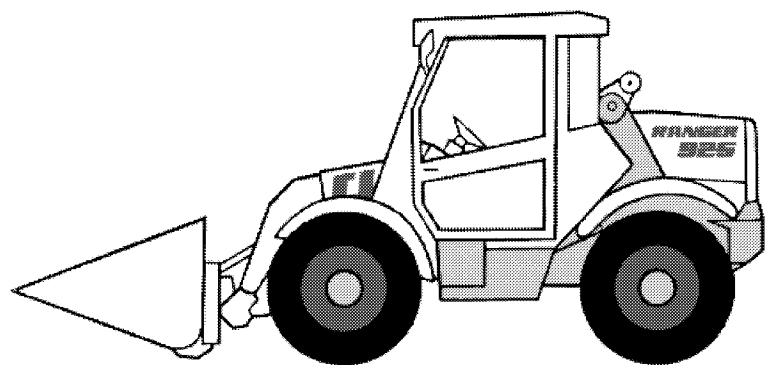


TRAINING - TECHNICS

CLAAS



RANGER 920 - 975 Plus

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1.0 Type index

CLAAS type ¹⁾	Chassis number	Sandersen TELEPORTER type	RANGER type	Capacity	Lifting height	Year of manufacture
484		725	907	2.5 t	7 m	1994
485		726	907 T	2.6 t	7 m	1994
486		1140	911 T	4 t	11 m	1994
508	< 508 00 094	525 GX	940 GX	2.5 t	5.3 m	1996
508	> 508 00 095		945 GX	2.5 t	5.3 m	1999
510	< 510 00 257	TL 6	920	2.5 t	5.5 m	1996
510	> 510 00 258		925	2.5 t	5.5 m	1998
516	< 516 00 386	TL 7	960	3 t	7 m	1996
516	> 516 00 387		964	3.2 t	6.2 m	1998
516	> 516 00 387		965	3 t	7 m	1998
516	< 516 00 386	TL 7	970	3 t	7 m	1996
516	> 516 00 387		974	3.2 t	6.2 m	1998
516	> 516 00 387		975	3 t	7 m	1998
510			925 plus	2.5 t	5.5 m	1999
510			928 plus	2.75 t	5.5 m	1999
516			964 plus	3.2 - 3.6 t	6.2 m	1999
516			965 plus	3 t	7 m	1999
516			974 plus	3.6 t	6.2 m	1999
516			975 plus	3.3 t	7 m	1999
522		TL 6 (GB)				
524		TL 7 (GB)				
626		525 GX (GB)				

1) The first 3 digits are the chassis no.

< Less than

> More than

2.0 Data table

2.1 920, 960/970, 940GX

Type	920	960/970	940GX
Specifications			
Lift capacity Max.	2500 kg	3000 kg	2500 kg
Lift height Max.	5500 mm	7000 mm	5300 mm
Reach Max.	3000 mm	3800 mm	2800 mm
Measurements			
Total length	4360 mm	5230 mm	4980 mm
Total width	1950 mm	2280 mm	2210 mm
Total height	2390 mm	2550 mm	2720 mm
Wheel spacing	2280 mm	2700 mm	2500 mm
Floor clearance	400 mm	570 mm	370 mm
Turning radius	3700 mm	3900 mm	4300 mm
Weight			
Total weight	6500 kg	7500 kg	6565 kg
Weight, engine without oil	273 kg	273 kg	270 kg
Weight, gearbox without oil	157 kg	157 kg/220 kg	200 kg
Engine			
Type	Perkins 1004.4 T	Perkins 1004.4 T	Perkins 1004.4 T
Power	78 kw/106 HP	78 kw/106 HP	78kw/106 HP
Full speed	2250 min ⁻¹	2200 min ⁻¹	2200 min ⁻¹
Max. speed	2350-2500 min ⁻¹	2350-2500 min ⁻¹	2420 min ⁻¹
Min. speed	875 min ⁻¹	875 min ⁻¹	875 min ⁻¹
Coolant capacity	19 litre	19 litre	19 litre
Coolant thermostat	105°C/0.68 bar	105°C/0.68 bar	105°C/0.68 bar
Engine oil capacity	11 litre	11 litre	11 litre
Oil pressure max. engine speed	3.5 bar	3.5 bar	3.5 bar
Oil pressure min. engine speed	1.5 bar	1.5 bar	1.5 bar
Fuel tank capacity	135 litre	135 litre	85 litre

Type	920	960/970	940GX
Gearbox			
Model	Torque converter 3(4) speed	Torque converter 3(4) speed	Torque converter 3(4) speed
Max. speed	20 (32) km/h	20 (35) km/h	20 (32) km/h
Gearbox oil capacity	20 litre	20 litre	22 litre
Torque converter pressure	6.5 bar	6.5 bar	6.5 bar
Gearbox oil pressure	10 bar	10 bar	10 bar
Switching clutch pressure	9.5 bar	9.5 bar	9.5 bar
Axles			
Driven axles	2	2	2
Differential locks	2	2	2
Steering axles	2	2	articulated
Capacity full axle	---	---	each 25 litre
Capacity differential gearbox	10 litre	10 litre	---
Capacity side gearbox	0.8 litre	0.8 litre	---
Tyres			
Standard	16/70-20	15.5/80-24	15.5/80-24
Option	425/75 R20	17.5 LR24	17.5 LR24
Hydraulic			
Pump capacity	110 l/min	110 l/min	89 l/min
Pressure relief valve	225 bar	225 bar	225 bar
Shock valve for raising the telescopic arm	160 bar	160 bar	160 bar
Shock valve for lowering the telescopic arm	100 bar	100 bar	100 bar
Shock valve for front attachment inclination	125 bar	125 bar	125 bar
Shock valve for front attachment inclination back	210 bar	210 bar	210 bar
Hydraulic tank	140 litre	140 litre	109 litre

2.00 2.2 925, 964/965, 974/975, 945GX

Type	925	964/965 974/975	940GX
Specifications			
Lift capacity Max.	2500 kg	3000 kg	2500 kg
Lift height Max.	5500 mm	7000 mm	5300 mm
Reach Max.	3000 mm	3800 mm	2800 mm
Measurements			
Total length	4360 mm	5230 mm	4980 mm
Total width	1950 mm	2280 mm	2210 mm
Total height	2390 mm	2550 mm	2720 mm
Wheel spacing	2280 mm	2700 mm	2500 mm
Floor clearance	400 mm	570 mm	370 mm
Turning radius	3700 mm	3900 mm	4300 mm
Weights			
Total weight	6500 kg	7500 kg	6565 kg
Weight, engine without oil	273 kg	273 kg	270 kg
Weight, gearbox without oil	157 kg	157 kg/220 kg	200 kg
Engine			
Type	Perkins 1004.4T	Perkins1004.4T	Perkins1004.4T
Power	78 kw/106 HP	78 kw/106 HP	78 kw/106 HP
Full speed	2250 min ⁻¹	2200 min ⁻¹	2200 min ⁻¹
Max. speed	2350-2500 min ⁻¹	2350-2500 min ⁻¹	2420 min ⁻¹
Min. speed	875 min ⁻¹	875 min ⁻¹	875 min ⁻¹
Coolant capacity	19 litre	19 litre	19 litre
Coolant thermostat	105°C/0.68 bar	105°C/0.68 bar	105°C/0.68 bar
Engine oil capacity	11 litre	11 litre	11 litre
Oil pressure max. engine speed	3.5 bar	3.5 bar	3.5 bar
Oil pressure min. engine speed	1.5 bar	1.5 bar	1.5 bar
Fuel tank capacity	135 litre	135 litre	85 litre

Type	925	964/965 974/975	940GX
Gearbox			
Model	Torque converter 3(4) speed	Torque converter 3(4) speed 970 powershift	Torque converter 3(4) speed
Max. speed	20 (32) km/h	20 (35) km/h	20 (32) km/h
Gearbox oil capacity	20 litre	20 litre	22 litre
Torque converter pressure	6.5 bar	6.5 bar	6.5 bar
Gearbox oil pressure	10 bar	10 bar	10 bar
Circulation pressure Lubrication	0.5 bar	0.5 bar	0.5 bar
Switching clutch pressure	9.5 bar	9.5 bar	9.5 bar
Axles			
Driven axles	2.00	2.00	2.00
Differential locks	2	2	2
Steering axles	2	2	articulated
Capacity full axle	---	---	each 25 litre
Capacity differential gearbox	10 litre	10 litre	---
Capacity side gearbox	0.8 litre	0.8 litre	---
Tyres			
Standard	16/70-20	15.5/80-24	15.5/80-24
Option	425/75 R20	17.5 LR24	17.5 LR24
Hydraulics			
Pump capacity	110 l/min	110 l/min	89 l/min
Pressure relief valve	225 bar	225 bar	225 bar
Shock valve for raising the telescopic arm	160 bar	160 bar	160 bar
Shock valve for lowering the telescopic arm	100 bar	100 bar	100 bar
Shock valve for front attachment inclination	125 bar	125 bar	125 bar
Shock valve for front attachment inclination back	210 bar	210 bar	210 bar
Hydraulic tank	140 litre	140 litre	109 litre

2.3 Plus series 925, 928, 964/965, 974/975

Type	925/928	964/965 mechanical joystick	964/974 solo control joystick	965/975 solo control joystick
Specifications				
Lift capacity Max.	2500 kg (925) 2750 kg (928)	3200 kg (964) 3000 kg (965)	3600 kg	3300 kg
Lift height Max.	5500 mm	7000 mm	6200 mm	7000 mm
Reach Max.	3000 mm	3800 mm	3000 mm	3800 mm
Measurements				
Total length	4360 mm	4590 mm (964) 5230 mm (965)	4590 mm	5230 mm
Total height	1950 mm	2280 mm	2280 mm	2280 mm
Total width	2390 mm	2550 mm	2550 mm	2550 mm
Wheel spacing	2280 mm	2700 mm	2700 mm	2700 mm
Floor clearance	400 mm	570 mm	570 mm	570 mm
Turning radius	3700 mm	3900 mm	3900 mm	3900 mm
Weights				
Total weight	6500 kg	7670 kg (964) 7890 kg (965)	7670 kg	7890 kg
Weight, engine without oil	273 kg	273 kg	273 kg	273 kg
Weight, gearbox without oil	157 kg	157 kg 220 kg (Powers.)	157 kg 220 kg (Powers.)	157 kg 220 kg (Powers.)
Engine				
Type	Perkins 1004.4T	Perkins 1004.4T	Perkins 1004.4T	Perkins 1004.4T
Power	79 kw/106 HP	79 kw/106 HP	79 kw/106 HP	79 kw/106 HP
Full speed	2250 min ⁻¹	2200 min ⁻¹	2200 min ⁻¹	2200 min ⁻¹
Max. speed	2350-2500 min ⁻¹	2350-2500 min ⁻¹	2350-2500 min ⁻¹	2350-2500 min ⁻¹
Min. speed	875 min ⁻¹	875 min ⁻¹	875 min ⁻¹	875 min ⁻¹
Coolant capacity	19 litre	19 litre	19 litre	19 litre
Coolant thermostat	105°C/0.68 bar	105°C/0.68 bar	105°C/0.68 bar	105°C/0.68 bar
Engine oil capacity	11 litre	11 litre	11 litre	11 litre
Oil pressure max. engine speed	3.5 bar	3.5 bar	3.5 bar	3.5 bar
Oil pressure min. engine speed	1.5 bar	1.5 bar	1.5 bar	1.5 bar
Fuel tank capacity	135 litre	135 litre	135 litre	135 litre

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