

## TECHNICAL DATA : SMV 50-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 6000 mm / standard mast)	kg / mm	50000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,21 / 0,16
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	24 / 22
Drive speed reverse, unloaded / at rated load	km/h	24 / 22
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	28 / 23
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	313 / 253
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	58100
Axle pressure front, unloaded / at rated load	kg	30500 / 101700
Axle pressure rear, unloaded / at rated load	kg	27600 / 6400
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Scania DI-12-54A
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	243 / 2100
Torque ISO 3046 / at speed	Nm / rpm	1589 / 1200
Displacement / No. of cylinders / type	L / /	11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	15 – 17
Alternator, type/power	W / Amp	AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-27400
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D102
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4160
Service brake system, type / affected wheels		Oil cooled Wet Disc Brakes / drive wheels
Parking brake system, type / affected wheels		Dry disc brake / spring release / drive wheels
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	1,0 / 1,0
Tire dimensions (Ply rating) front / rear	Inch (No)	18.00 x 25" (PR 40) / 18.00 x 25" (PR 40)
Rim dimension front / rear	Inch	13.00 x 25" / 13.00 x 25"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	19
<b>TANK VOLUMES</b>		
Diesel tank volume	L	550
Hydraulic tank volume	L	630
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	76
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	111
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

