

TECHNICAL DATA : SMV 45-1200 B

LIFTING DATA			
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	45000 / 1200	
Lifting speed, unloaded / at rated load	m/s	0,26 / 0,21	
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40	
DRIVING DATA			
Drive speed forward, unloaded / at rated load	km/h	24 / 23	
Drive speed reverse, unloaded / at rated load	km/h	24 / 23	
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	34 / 26	
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	309 / 248	
SERVICE WEIGHT / AXLE PRESSURE			
Service weight	kg	51900	
Axle pressure front, unloaded / at rated load	kg	25600 / 90600	
Axle pressure rear, unloaded / at rated load	kg	26300 / 6300	
ENGINE (electronic controlled)			
Engine make / model name		Scania DI-12-54A	
Emission approval EU / US		EU Stage II / US 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	14 – 16	
Alternator, type/power	W / Amp	AC / 1820 / 65	
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140	
TRANSMISSION (electronic controlled)			
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	
DRIVE AXLE & STEER SYSTEM			
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	
STEER AXLE & STEER SYSTEM			
Steer axle make / type		Konecranes / double acting single cylinder	
Steering system		Hydraulic servo assisted / power steering	
WHEELS			
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"	
HYDRAULIC SYSTEM			
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	22	
TANK VOLUMES			
Diesel tank volume	L	550	
Hydraulic tank volume	L	630	
LIFTING EQUIPMENT			
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	
OTHERS			
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
Tow pin (rear) / type			Yes / Pin type
NORMS & STANDARDS			
Machine Directive in Europe	98 / 37 EC		Yes
Stability of Industrial Trucks	ISO 1074		Yes
Safety of Industrial Trucks	EN 1551		Yes

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