

TECHNICAL DATA : SMV 42-1200 B

LIFTING DATA			
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm		42000 / 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		50100
Axle pressure front, unloaded / at rated load	kg		25600 / 86300
Axle pressure rear, unloaded / at rated load	kg		24500 / 5800
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		13 – 15
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		21
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

