

TECHNICAL DATA : SMV 45 G4

LIFTING DATA			
Lift capacity / Min Load center (up to max lift height)	kg / mm	43000 / 1490	
Lift capacity / Max Load center (up to max lift height)	kg / mm	41000 / 1730	
Stacking height (of 9'6" / 8'6" containers)		4 / 4	
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 / 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	%	29 / 22	
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	314 / 251	
SERVICE WEIGHT / AXLE PRESSURE			
Service weight	kg	64500	
Axle pressure front at LC1, unloaded / at rated load	kg	39300 / 100800	
Axle pressure rear at LC2, unloaded / at rated load	kg	25200 / 6700	
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-cylinder / Inline	
Fuel consumption, normal drive	L/h	14 - 16	
Alternator, type/power / capacity	/ 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 & BRAKE SYSTEM			
Drive axle make / model name		Kessler D102	
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4160	
Driving 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 type / steering system		Double acting cylinder / hydraulic servo assisted	
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 / spreader	MPa / MPa	23 / 15	
TANK VOLUMES			
Diesel tank volume	L	550	
Hydraulic tank volume	L	620	
LIFT EQUIPMENT & SPREADER			
Lift mast model / mast type / design		Duplex standard / 2-stage / free visibility	
Spreader make / model name		ELME 818	
Spreader type / capacity		Toplift telescopic / 20-40 ft containers	
Spreader locking type / No. of containers		4 x top twist locks / 1	
Sideshift stroke / liftingeyes	mm	± 200 / 4 x in the corners	
Spreader slew-turn / spreader reach stroke	Deg / mm	± 3 / 0 - 240 (each side)	
Pile Slope type / pile slope stroke (side tilt)	/ Deg	Mechanical MPS / (± 4,8)	
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
NORMS & STANDARDS			
Machine Directive in Europe	98 / 37 EC		Yes
Stability of Industrial Trucks	ISO 1074		Yes
Safety of Industrial trucks	EN 1551		Yes

