

TECHNICAL DATA : SMV 4 ECC 80

LIFTING DATA			
Lift capacity / Load center	kg / mm	8 000 / 1 220	
Stacking height (of 9'6" / 8'6" containers)		4 / 4	
Lifting speed, unloaded / at rated load	m/s	0,52 / 0,45	
Lowering speed, unloaded / at rated load	m/s	0,55 / 0,58	
DRIVING DATA			
Drive speed forward, unloaded / at rated load	km/h	25 / 25	
Drive speed reverse, unloaded / at rated load	km/h	25 / 25	
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	26 / 22	
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85	
SERVICE WEIGHT / AXLE PRESSURE			
Service weight	kg	28 000	
Axle pressure front, unloaded / at rated load	kg	15 700 / 28 600	
Axle pressure rear, unloaded / at rated load	kg	12 300 / 7 400	
ENGINE (electronic controlled)			
Engine make / model name		Volvo TAD571-VE	
Emission approval EU / US		Stage 4 / Tier 4f	
Monitoring / emission controlled / CanBus		Yes / yes / yes	
Fuel/type of engine/intercooler		Diesel/4-stroke/ yes	
Power ISO 3046 / max speed	kW / rpm	129 / 2 200	
Torque ISO 3046 / at speed	Nm / rpm	810 / 1 400	
Displacement / No. of cylinders / Type	L / /	5,1 / 4 / Inline	
Fuel consumption, normal drive	L/h	8 – 10	
Alternator, type/power / capacity	/ W / Amp	AC / 2 800 / 100	
Starting battery, voltage/capacity	V / Ah	2 x 12 / 100	
TRANSMISSION (electronic controlled)			
Transmission make / model name		DANA TE-17	
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		3 / 3	
DRIVE AXLE & BRAKE SYSTEM			
Drive axle make / model name		Kessler D81	
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3 530	
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 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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)	
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"	
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	22 / 15	
TANK VOLUMES			
Diesel tank volume	L	243	
Hydraulic tank volume	L	272	
LIFT EQUIPMENT & SPREADER			
Lift mast model / mast type / design		Duplex standard / 2-stage / free visibility	
Spreader make / model name		ELME 588TB	
Spreader type / capacity		Sidelift telescopic / 20-40 ft containers	
Spreader locking type / No. of containers		2 x top twist locks / 1	
Sideshift stroke	mm	± 300	
Pile Slope type / pile slope stroke (side tilt)	/ mm	Mechanical MPS / 0 - 200)	
OTHERS			
Noise level (inside Cab / Lm)	DIN 45635	dB(A)	66
Noise level (inside Cab/ LpAZ)	EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa)	2005/88/EC	dB(A)	109
NORMS & STANDARDS			
Machine Directive in Europe	2006 / 42 / EC		Yes
Stability of Industrial Trucks	ISO 1074		Yes
Safety of Industrial trucks	EN ISO 3691-1		Yes

