

TECHNICAL DATA : SMV 4 ECB 80

LIFTING DATA Lift capacity / Load center Stacking height (of 9'6" / 8'6" containers) Lifting speed, unloaded / at rated load Lowering speed, unloaded / at rated load	kg / mm m/s m/s	8000 / 1220 4 / 4 0.52 / 0.45 0.55 / 0.58
DRIVING DATA Drive speed forward, unloaded / at rated load Drive speed reverse, unloaded / at rated load Incline (driving ability) at rated load at 0 km/h/at 2 km/h Towing (power ability) at rated load at 0 km/h/at 2 km/h	km/h km/h % kN	30 / 30 30 / 30 26 / 22 107 / 85
SERVICE WEIGHT / AXLE PRESSURE Service weight Axle pressure front, unloaded / at rated load Axle pressure rear, unloaded / at rated load	kg kg kg	28000 15700 / 28600 12300 / 7400
ENGINE (electronic controlled) Engine make / model name Emission approval EU / US Monitoring / emission controlled / CanBus Fuel/type of engine/intercooler Power ISO 3046 / at speed Torque ISO 3046 / at speed Displacement / No. of cylinders / Type Fuel consumption, normal drive Alternator, type/power / capacity Starting battery, voltage/capacity	kW / rpm Nm / rpm L / / L/h / W / Amp V / Ah	Volvo TAD-620-VE St II / Tier 2 Yes / yes / yes Diesel / 4-stroke / yes 147 / 2300 700 / 1500 5.7 / 6-cylinder / Inline 8 – 10 AC / 1540 / 55 2 x 12 / 88
TRANSMISSION (electronic controlled) Transmission make / model name Monitoring / reverse protection / CanBus Clutch, type Transmission type / type of shift gear No. of gears, forward/reverse		Dana TE-17300 Yes / yes / yes Torque converter Softshift – Powershift / Automatic 3 / 3
DRIVE AXLE & BRAKE SYSTEM Drive axle make / model name Drive axle type / drive axle width Service brake system, type / affected wheels Parking brake system, type / affected wheels	/ mm	Kessler D81 Differential + hub reduction / 3530 Oil cooled Wet Disc Brakes / drive 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) Tire pressure front / rear Tire dimensions (Ply rating) front / rear Rim dimension front / rear	MPa Inch (No) Inch	4*+2/pneumatic 1.0 / 1.0 12.00 x 20" (PR 20) / 12.00 x 20" (PR 20) 8.00 x 20" / 8.00 x 20"
HYDRAULIC SYSTEM Hydraulic pump make / model name Hydraulic system / pump type Power-on-demand / Low energy Hydraulic oil pressure mast / spreader	MPa / MPa	Parker & Hannifin / P2-series Load sensing system / variable piston pump Yes / yes 22 / 15
TANK VOLUMES Diesel tank volume Hydraulic tank volume	L L	243 272
LIFT EQUIPMENT & SPREADER Lift mast model / mast type / design Spreader make / model name Spreader type / capacity Spreader locking type / No. of containers Sideshift stroke Pile Slope type / pile slope stroke (side tilt)	mm / mm	Duplex standard / 2-stage / free visibility ELME 588 Sidelift telescopic / 20-40 ft containers 2 x top twist locks / 1 ± 300 Mechanical MPS / 0 - 225)
OTHERS Noise level (inside Cab / Lm) Noise level (inside Cab/ LpAZ) Noise level (outside at 7 m/ Lwa)	DIN 45635 EN 12053 2000/14/E	dB(A) dB(A) dB(A) 68 72 109
NORMS & STANDARDS Machine Directive in Europe Stability of Industrial Trucks Safety of Industrial trucks	98 / 37 EC ISO 1074 EN 1551	Yes Yes Yes

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