

## TECHNICAL DATA : SMV 18-1200 C

<b>LIFTING DATA</b> Lifting capacity / Load center (up to 9 000 mm / standard mast) Lifting speed, unloaded / at rated load Lowering speed, unloaded / at rated load	kg / mm m/s m/s	18 000 / 1 200 0,3 / 0,25 0,4 / 0,4
<b>DRIVING DATA</b> 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	29 / 28 29 / 28 43 / 33 196 / 147
<b>SERVICE WEIGHT / AXLE PRESSURE</b> Service weight Axle pressure front, unloaded / at rated load Axle pressure rear, unloaded / at rated load	kg kg kg	30 000 16 700 / 45 000 13 300 / 3 000
<b>ENGINE (electronic controlled)</b> Engine make / model name Emission approval EU / US Monitoring / emission controlled / CanBus Fuel / type of engine / intercooler Power ISO 3046 / max speed Torque ISO 3046 / at speed Displacement / No. of cylinders / type Fuel consumption, normal driving Alternator, type/power Starting battery, voltage/capacity	kW / rpm Nm / rpm L / / L/h W / Amp V / Ah	Volvo TAD-871-VE Stage 4 / Tier 4f Yes / yes / yes Diesel/4-stroke/ yes 185 / 2 200 1 160 / 1 200 7,7 / 6 / Inline 8 – 12 AC / 3 080 / 110 2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b> Transmission make / model name Monitoring / reverse protection / CanBus Clutch, type Transmission type / type of shift gear No. of gears, forward/reverse		ZF 4WG-191-B Yes / yes / yes Torque converter Softshift – Powershift / Automatic 4 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b> 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 D91 Differential + hub reduction / 3 000 Oil cooled Wet Disc Brakes / drive wheels Dry disc brake / spring release / drive wheels
<b>STEER AXLE &amp; STEER SYSTEM</b> Steer axle make / type Steering system		Konecranes / double acting single cylinder Hydraulic servo assisted / power steering
<b>WHEELS</b> 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 0,9 / 0,9 14.00 x 24" (PR 24) / 14.00 x 24" (PR 24) 10.00 x 24"/HD / 10.00 x 24"/HD
<b>HYDRAULIC SYSTEM</b> Hydraulic pump make / model name Hydraulic system / pump type Power-on-demand / Low energy Hydraulic oil pressure mast	MPa	Parker & Hannifin / P2-series Load sensing system / variable piston pump Yes / yes 19
<b>TANK VOLUMES</b> Diesel tank volume Hydraulic tank volume	L L	280 312
<b>LIFTING EQUIPMENT</b> Lift mast make / model Lift mast type / design Fork carriage make / model Fork carriage type		Konecranes / Duplex standard 2-stage / free visibility Konecranes / integral double forks Hydraulic side shift & fork positioning
<b>OTHERS</b> Noise level (inside Cab / Lm)                   DIN 45635 Noise level (inside Cab/ LpAZ)                EN 12053 Noise level (outside at 7 m/ Lwa)           2005/88/EC	dB(A) dB(A) dB(A)	68 75 110
<b>NORMS &amp; STANDARDS</b> Machine Directive in Europe                2006 / 42 / EC Stability of Industrial Trucks                ISO 1074 Safety of Industrial Trucks                    EN ISO 3691-1		Yes Yes Yes

