

## TECHNICAL DATA : SMV 52 G4

|   |            |   |     |
|---|------------|---|-----|
| <b>LIFTING DATA</b>   |            |   |     |
| Lift capacity / Min Load center (up to max lift height)     | kg / mm    | 45000 / 1490                                      |     |
| Lift capacity / Max Load center (up to max lift height)     | kg / mm    | 43000 / 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                                       |     |
| <b>DRIVING DATA</b>   |            |   |     |
| Drive speed forward, unloaded / at rated load               | km/h       | 25 / 22   |     |
| Drive speed reverse, unloaded / at rated load               | km/h       | 25 / 22   |     |
| Incline (driving ability) at rated load at 0 km/h/at 2 km/h | %          | 34 / 22   |     |
| Towing (power ability) at rated load at 0 km/h/at 2 km/h    | kN         | 260 / 214   |     |
| <b>SERVICE WEIGHT / AXLE PRESSURE</b>                       |            |   |     |
| Service weight  | kg         | 66500   |     |
| Axle pressure front at LC1, unloaded / at rated load        | kg         | 41000 / 107500                                    |     |
| Axle pressure rear at LC2, unloaded / at rated load         | kg         | 25500 / 6600                                      |     |
| <b>ENGINE (electronic controlled)</b>                       |            |   |     |
| 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        | 15 - 17   |     |
| Alternator, type/power / capacity                           | / W / Amp  | AC / 1820 / 65                                    |     |
| Starting battery, voltage/capacity                          | V / Ah     | 2 x 12 / 140                                      |     |
| <b>TRANSMISSION (electronic controlled)</b>                 |            |   |     |
| 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   |     |
| <b>DRIVE AXLE &amp; BRAKE SYSTEM</b>                        |            |   |     |
| Drive axle make / model name                                |            | Kessler D106                                      |     |
| 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    |     |
| <b>STEER AXLE &amp; STEER SYSTEM</b>                        |            |   |     |
| Steer axle type / steering system                           |            | Double acting cylinder / hydraulic servo assisted |     |
| <b>WHEELS</b>   |            |   |     |
| 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 33" (PR 36) / 18.00 x 33" (PR 36)         |     |
| Rim dimension front / rear                                  | Inch       | 13.00 x 33" / 13.00 x 33"                         |     |
| <b>HYDRAULIC SYSTEM</b>                                     |            |   |     |
| 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  | 24 / 15   |     |
| <b>TANK VOLUMES</b>   |            |   |     |
| Diesel tank volume  | L          | 550   |     |
| Hydraulic tank volume                                       | L          | 620   |     |
| <b>LIFT EQUIPMENT &amp; SPREADER</b>                        |            |   |     |
| 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)                          |     |
| <b>OTHERS</b>   |            |   |     |
| 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 |
| <b>NORMS &amp; STANDARDS</b>                                |            |   |     |
| Machine Directive in Europe                                 | 98 / 37 EC |   | Yes |
| Stability of Industrial Trucks                              | ISO 1074   |   | Yes |
| Safety of Industrial trucks                                 | EN 1551    |   | Yes |

