

REACH STACKER LIFTACE R 5-31

LIFTING DATA

Lift capacities (at load center LC1 / LC2 / LC3)	45000 kg / 31000 kg / 15000 kg
Lift capacities (at load center LC1 / LC2 / LC3 at max lifting height)	45000 kg / 31000 kg / 15000 kg
Lift capacities in trailer legs (at load center LC1)	45000 kg
Load centers (LC1 / LC2 / LC3)	1850 mm / 3815 mm / 6315 mm
Lifting speed, unloaded / at 40 % load / at rated load	0.45 m/s / 0.34 m/s / 0.25 m/s
Lowering speed, unloaded / at rated load	0.30 m/s / 0.40 m/s

DRIVING DATA

Drive speed forward, unloaded / at rated load	25 km/h / 25 km/h
Drive speed reverse, unloaded / at rated load	25 km/h / 25 km/h
Incline (driving ability) at rated load at 0 km/h / 2 km/h	23 % / 17 %
Towing (power ability) at rated load at 0 km/h / 2 km/h	280 kN / 206 kN

SERVICE WEIGHT / AXLE PRESSURE

Service weight	71700 kg
Axle pressure front at load center LC1, unloaded / at rated load	38300 kg / 103000 kg
Axle pressure front at load center LC2, unloaded / at rated load	42900 kg / 97100 kg
Axle pressure rear at load center LC1, unloaded / at rated load	33400 kg / 13700 kg
Axle pressure rear at load center LC2, unloaded / at rated load	28800 kg / 5700 kg
Axle pressure in driving position, front/rear (at rated load)	87500 kg / 29200 kg

ENGINE (ELECTRONIC CONTROLLED)

Engine make / model name	Volvo TAD-1170-VE	Torque ISO 3046 / at speed	1550 Nm / 1260 rpm
Emission approval EU / US	Stage 4 / Tier 4f	Displacement / No. of cyl. / type	11 l / 6 / Inline
Monitoring / EC / CanBus	Yes / Yes / Yes	Fuel consumption, normal usage	15 - 20 l/h
Fuel / type of engine / intercooler	Diesel / 4-stroke / Yes	Alternator, type/power / capacity	AC / 2640 W / 110 A
Power ISO 3046 / max speed	235 kW / 1450 rpm	Start battery, voltage/capacity	2 x 12 V / 200 Ah

TRANSMISSION (ELECTRONIC CONTROLLED)

Transmission make / model / amount of gears (forward / reverse)	Dana TE-30 / 5 + 3 gears
Monitoring / reverse protection / CanBus / Clutch, type	Yes / Yes / Yes / Torque converter
Transmission type / type of shift gear	Softshift – Powershift / Automatic

STEERING AXLE & STEERSYSTEM & DRIVE AXLE & BRAKE SYSTEM

Steer axle type / steering system	Double acting cylinder / hydraulic servo assisted
Drive axle make / model name	Kessler D102
Drive axle type / drive axle width	Differential + hub reduction / 3033 mm
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

WHEELS

Number of wheels, front + rear / type (*driven)	4*+2 / pneumatic
Tire pressure front / rear	1.00 MPa / 1.00 MPa
Tire dimensions (Ply rating) front / rear	18.00 x 25" (PR 40) / 18.00 x 25" (PR 40)
Rim dimension front / rear	13.00 x 25 / 13.00 x 25

HYDRAULIC SYSTEM

Hydraulic pump make / model name	Bosch-Rexroth A11VO
Hydraulic system / pump type	Load sensing system / variable piston pump
Power-on-demand / Low energy / Separate oil tanks	Yes / Yes / Yes (hydraulics & brakes)
Hydraulic oil pressure mast / spreader	32 MPa / 21 MPa

TANK VOLUMES

Diesel tank volume	700 l	Hydraulic tank volume	770 l
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LIFTING EQUIPMENT & SPREADER

Spreader make / type	Konecranes Liftace Top Pick Spreader MPS / Toplift (container)
Spreader functions	20-30-40 ft containers
Spreader locking containers / lifting eyes	4 x top twist locks / 4 corners
Sideshift stroke / rotation / pile slope type (pile slope stroke)	±800 mm / rotation +210:-125 deg / Manual MPS (±4 deg)

NORMS & STANDARDS

Machine Directive in Europe	2006 / 42 / EC
Stability of Industrial Trucks	ISO 22915-12
Safety of Industrial trucks	ISO 3691-2 & ISO 3691-7

OTHERS

Noise level (inside Cab/ LpAZ)	EN 12053 71 dB(A)
Noise level (outside at 7 m/ Lwa)	2005/88/EC 108 dB(A)
Safety, Monitoring & overload system / programmable / colour	Electronic system EMC / Yes / Yes
Manual sliding cabin / stroke	Yes / 2540mm (Stepless)

