

TECHNICAL DATA : E-ACE 4632 TC5

NOTE		M25 (PRELIMINARY)
LOAD HANDLING DATA Lifting capacity (LC1 /LC2 /LC3) Lifting capacity (LC1 /LC2 /LC3) at max lifting height Load center (LC1 /LC2 /LC3) Lifting speed, unloaded / at 40% of rated load / at 70% of rated load Lowering speed, unloaded / at rated load	kg kg mm m/s m/s	46 000 / 32 000 / 17 000 45 000 / 32 000 / 17 000 2000 / 3850 / 6350 0,39 / 0,36 / 0,25 0,35 / 0,40
DRIVING DATA Drive speed forward, unloaded / at rated load Drive speed reverse, unloaded / at rated load Average energy consumption @ 8% energy recovery Incline (driving ability) at rated load at 0-2 km/h / at 15 km/h Towing (tractive ability) at rated load at 0-2 km/h / at 15 km/h	km/h km/h kWh/h % kN	25 / 22 25 / 22 45-60 15 / 4 200 / 65
SERVICE WEIGHT / AXLE LOADS Service weight Axle loads front LC1, unloaded / at rated load Axle loads front LC2, unloaded / at rated load Axle loads front LC3, unloaded / at rated load Axle loads rear LC1, unloaded / at rated load Axle loads rear LC2, unloaded / at rated load Axle loads rear LC3, unloaded / at rated load Axle loads in driving position, front/rear (at rated load)	kg kg kg kg kg kg kg kg	71 100 36 200 / 101 900 40 300 / 95 600 45 800 / 81 800 34 900 / 15 200 30 800 / 7 500 25 300 / 6 300 91 100 / 26 000
TRACTION MOTOR Type Cooling / Protection Nominal power / Peak 60 sec Nominal torque / Peak 60 sec	 kW Nm	AC, Permanent magnet synchronous motor (PMSM) Active water-glycol / IP-67 400 / 600 2500 / 4000
LOAD HANDLING MOTOR Type Cooling / Protection Nominal power / Peak 60 sec Nominal torque / Peak 60 sec	 kW Nm	AC, Permanent magnet synchronous motor (PMSM) Active water-glycol / IP-67 120 / 220 540 / 1080
DRIVE AXLE & BRAKING SYSTEM Drive axle make / model name Drive axle type Service brake system, type / affected wheels Electric re-generative service brake / programmable Parking brake system / type / affected wheels		Kessler / D102 Differential + hub reduction Oil cooled Wet Disc Brakes / drive wheels Yes (active re-gen brake) / Yes Dry disc brake / spring applied / drive wheels
STEER AXLE & STEER SYSTEM Steer axle make / type Steering system		Konecranes / double acting single cylinder Hydraulic servo assisted / power steering
WHEELS Number of wheels, front+rear / Type (*driven) Tyre pressure front / rear Tyre dimensions (Ply rating) front / rear Rim dimension front / rear	MPa Inch (No) Inch	4*+2 / pneumatic 1,0 / 1,0 18.00 x 25" (PR 40) / 18.00 x 25" (PR 40) 13.00 x 25" / 13.00 x 25"
HYDRAULIC SYSTEM Hydraulic pump make, model name Hydraulic system / pump type Power-on-demand / Low energy / Separate tanks Hydraulic oil pressure boom / spreader Hydraulic tank volume	MPa L	Parker P2-series Load sensing system / variable axial piston pump Yes / yes / yes (hydraulics & brakes) 29 / 15 850
HIGH VOLTAGE BATTERY Type / chemistry Cooling type - Heating type Rated energy (3 models) Nominal voltage Mass / module Charging connections (mode 4)	kWh V kg	Lithium-iron-Phosphate / LFP (LiFePO4) Yes / yes (active / water-glycol) 401 / 528 / 601 618 / 657 / 618 2488 (4 x 622) / 3336 (6 x 556) / 3732 (6 x 622) 2 x GBT / 2 x CCS2 / 2 x CCS1 (DC fast charge)
LIFTING EQUIPMENT & SPREADER Spreader make / type Spreader functions Spreader locking containers + trailer / lifting eyes Sideshift stroke / rotation / pile slope type (pile slope stroke)		ELME 817-MPS / Toplift (container) 20-40 ft containers 4 x top twist locks / 4x in the corners ±800 mm / +195 - 105 manual MPS (±2 deg)
OTHERS Noise level, inside cabin, DIN 45635, Lm * Noise level, inside cabin, EN 12053, LwAZ * Noise level, outside cabin, 2000/14/EC, LwA * Sliding cabin / stroke	dB(A) dB(A) dB(A) mm	TBA 63-66 98-102 Manual / 2900
NORMS & STANDARDS Stability of Industrial Trucks ISO 13562 Safety of Industrial Trucks EN ISO 3691-2, 3691-8		Yes Yes



