

# E-PTO type TM54

Preliminary specifications are subject to change without further notice – 28 April 2016

<b>Power Levels E-motor and installed capacity</b>	0-30 kW, operational, peak power 45 kW 54 kWh (new and excluding aging)
<b>Battery Technology</b>	LiFePO <sub>4</sub>
<b>Battery Lifetime</b>	2000 full cycles
<b>Battery Heating</b>	Electric 400W forced air, to enable full charging capacity – even at low temperatures
<b>Battery Voltage</b>	80-115V
<b>Battery Cell Protection</b>	Balancing and active protection on all cells
<b>Battery Pack Protection</b>	Fully protected against overcurrent, over-, and under-voltage, excessive temperature use and charging
<b>Motor Technology</b>	AC motor with variable closed loop RPM control
<b>Control Interface</b>	Either CAN, analogue, PWM, or I/O
<b>Charging</b>	On-board 3,3 kW Connector on drivers side (Left)
<b>Charging Time</b>	9 - 10 hours (double charger)
<b>AC Installation Requirements</b>	3 x 400 V AC 50 Hz, standard 5 pole 16A CEE-plug and 16 Amp Group with RCD
<b>24V Supply from ignition key</b>	16-32 VDC max 5A. Protection requirement, 10A fuse
<b>Hydraulic Interface</b>	Single or Dual chamber fixed displacement pump or single chamber LS variable displacement pump
<b>Temperature Range</b>	-20 °C to +45 °C (above 35 °C power derating possible)
<b>Cooling</b>	Forced air
<b>IP-grade</b>	IP65, allowing high-pressure wash down. Note: high-pressure wash down not allowed directly in charging connector, IP44
<b>Dimensions (L,W,H)</b>	381 mm, 2412 mm, 1552 mm Note: Excl. hydraulic connections & cable entries & Bolt heads
<b>Weight</b>	945 kg
<b>Options</b>	Charge current reduction. Charging by chassis alternator via Inverter

