



E-PTO type TM86 HLR

Preliminary specifications are subject to change without further notice – 29 April 2021

Note: Indicated weight is for double chamber fixed displacement pump. Additional weight is 20 kg for the Load-sense variable pump.

Power Levels E-motor and installed capacity	0-30 kW, operational, peak power 45 kW, continuous power 20 kW 86 kWh (new and excluding aging)	AC Installation Requirements	3x400V AC 50 Hz, standard 5 pole 16A CEE-plug and 16 Amp Group with RCD
Battery Technology	LiFePO ₄	24V Supply from ignition key	16-32 VDC max 5A. Protection requirement, 10A fuse
Battery Lifetime	2000 full cycles	Hydraulic Interface	Single or Dual chamber fixed displacement pump or single chamber LS variable displacement pump
Battery Heating	Electric 400W forced air, to enable full charging capacity – even at low temperatures	Temperature Range	-20°C to +45°C (above 35°C power derating possible)
Battery Voltage	80-115V	Cooling	Forced air
Battery Cell Protection	Balancing and active protection on all cells	IP-grade	IP65, allowing high-pressure wash down. Note: high-pressure wash down not allowed directly in charging connector, IP44
Battery Pack Protection	Fully protected against overcurrent, over-, and under-voltage, excessive temperature use and charging	Dimensions (L,W,H)	400 mm, 2324 mm, 1552 mm Note: Excl. hydraulic connections & cable entries & Bolt heads
Motor Technology	AC motor with variable closed loop RPM control	Weight (see notes)	980 kg
Control Interface	Either CAN, analogue, PWM, or I/O	Options	Charge current reduction charging by chassis alternator via inverter
Charging	On-board 2 x 3,3 kW Connector on drivers side (Left)		
Charging Time	12 -13 hours (Double charger)		