Fully-electric Drive System.
Travel Drive.

Linde Hydraulics

Design Characteristics

>> 2 x low-voltage electric motors + reduction gear box
>> Battery-electric drive with on-board charger
>> Proven components from large-scale production

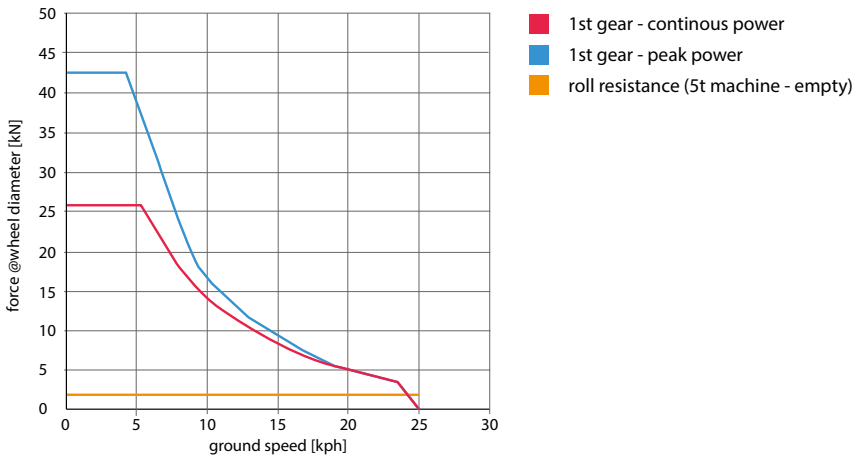
Advantages

>> High starting torque and maximum speed
>> High flexibility and fast charging
>> Very robust and cost-efficient

General technical data

	On Board Charger	Nominal Power		kW	11
	Li-Ion Battery Pack	Nominal Capacity		Ah	670
		Nominal Power		kWh	60.3
	Electronic Control Unit (iCon)				
	2x Inverter (PM AC T50)	Nominal current	permanent	A	300
		Maximum current	max. 3 seconds	A	570
	2x Motor (EDM 160LL180)	Type	Asynchronous motor, air cooled	V	80
		Power	S2 - max. 60 minutes	kW	2x 11
		max. Torque		Nm	2x 350
	Gearbox (2eGB800)	Reduction Gearbox	tractive effort / speed		see diagram below

Example tractive effort calculation



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Design Characteristics

>> Control valves in monoblock design (3 sections) with 2 sandwich sections
>> Accumulator charging valve to ensure feed supply after pump stops operating
>> Lift arm damping optional

Advantages

>> Needs-based configuration of precisely controllable functions
>> Reliable controllability at all operating conditions
>> No bouncing of the vehicle - even during dynamic driving cycles

General technical data

	Li-Ion Battery Pack	Nominal Capacity		Ah	670
		Nominal Power		kWh	60.3
	Electronic Control Unit (iCon)				
	Inverter (PM AC T50)	Nominal current	permanent current	A	300
		Maximum current	max. 3 seconds	A	570
	Motor (EPM 132LL150)	Type	Asynchronous motor, air cooled	V	80
		Power	S3 - 15%	kW	17
		max. Torque		Nm	160
	Fixed displacement pump (EIPS2)	Nominal size			22
		Displacement		cc/rev	22
	Monoblock Control Valves (VW12 M3)	Scope of sections	Monoblock sections		3
			Sandwich sections		0 to 2
		Flow rate		l/min	up to 100

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