



External rotor motor

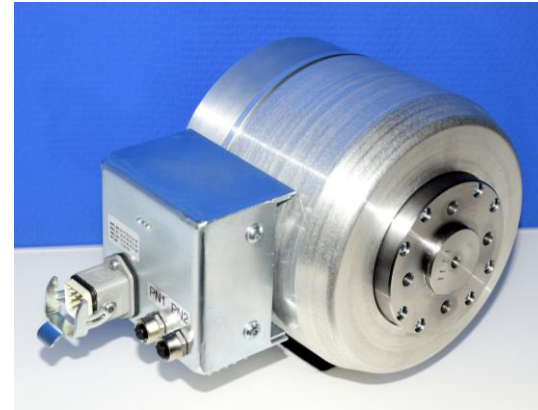
AEC 140/54

with integrated

motor controller

Overview of the most important facts

- Permanent magnet synchronous machine with three-phase supply
- External rotor motor with high power density for gearless direct drive
- 24 V to 60 V battery operation
- Air-cooled / externally cooled
- Optionally with electromagnetic spring-applied brake
- Brake can be released electrically or mechanically
- 4-quadrant inverter (FOC)
- Various interfaces for motor control
- 2x hardware enable signal (STO in certification)



Specifications

Operating voltage (power)	:	24 V to 60 V
Control voltage (electronics)	:	24 V
S1-current (effective value)	:	19,5 A (at 24 V)
S1-torque	:	16 Nm
S1-power	:	275 W
Max. Torque	:	45 Nm
Max. Speed	:	225 rpm
Protection class	:	IP 54
Weight with brake	:	14,5 kg
Weight without brake	:	11,5 kg
Operating temperature	:	-20 °C ... +40 °C



Digital I/O

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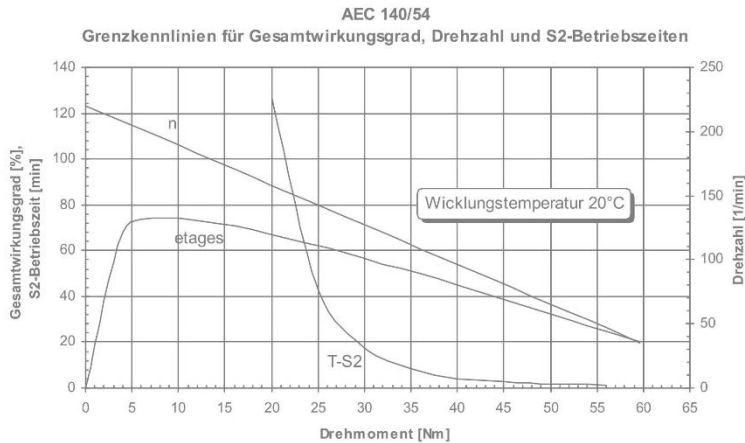
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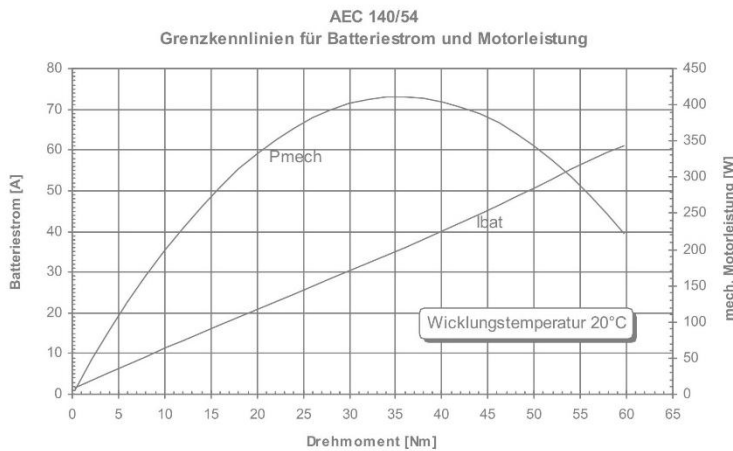
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Side view



Top view

"Ideas in motion."

*We support you in realising your ideas
and get them moving.*

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