



US Hybrid



Heavy Duty Integrated Electric Drive “ED160”

PRODUCT OVERVIEW:

ED160 is an induction motor with integrated gear reduction, desired for heavy duty electric hybrid vehicle and off-road application. High efficiency, power and torque density induction liquid cooled motor with integrated in-line gear planetary reduction unit with DANA Yoke interface and parking brake option.



FEATURES:

- High Torque/power Density,
- Efficiency: 93%.
- Motoring and Generation Capability

APPLICATIONS:

Electric drive system for class 4-6 commercial vehicle and heavy duty off-road applications.

Motor Type	Induction Motor
Torque	2350Nm
Power	160kW peak, 90kW continuous
Speed	2750 RPM forward or reverse
Weight	190 kg
Input Voltage	MV: 250-450 Vdc HV: 450-700 Vdc
Cooling	-40 °C to 65°C (50/50 EG, 1" fitting)
Shaft Flange	DANA 4-1-3101 or Rockford 02067368
Efficiency	93%
Isolation resistance	> 3 MΩ at 700Vdc
Parking Brake	ZEMARC
Environment	IP-67
Mounting	Integrated Flange
Gears	2.72:1, planetary type
Installation	±10° Horizontal, ±3.5° Vertical plane

