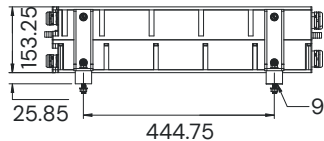
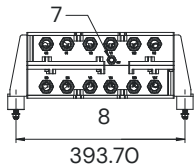
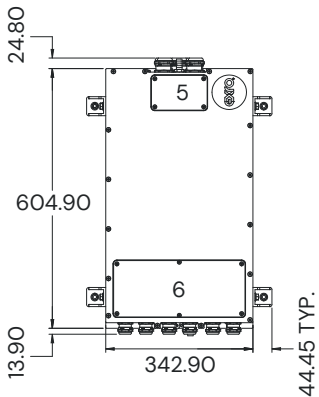
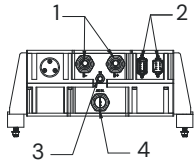


# L080 Coil Driver™: 400V motor controller



1. DC CONNECTIONS
2. VCU/SIGNAL CONNECTORS
3. COOLANT INLET
4. PROVISION FOR AC CHARGING CONNECTION
5. DC CONNECTION ACCESS COVER
6. PHASE CONNECTION ACCESS COVER
7. COOLANT OUTLET
8. 12 X PHASE CONNECTIONS
9. 4X M8 X 1.25 VIBRATION ISOLATION MOUNTS(FOR CUSTOMER MOUNTING)

## Inverter\*

Max DC voltage (VDC)	450
Performance voltage (VDC)	300 – 400
Max per phase current (Arms)	700
Continuous per phase current (Arms)	480
DC link voltage utilization (%)	100
CAN speed (kbit/s) <sup>1</sup>	500
Cooling method	Liquid
Dimensions (mm)	605 L x 343 W x 154 H
Inverter weight (kg) <sup>2</sup>	41

## Applicable Standards\*

Ingress protection	IP69K
Protective microcontroller unit (MCU) inputs	3 phase current, DC link voltage, motor position & temp., half-bridge temp.
CAN controller compliance	ISO11898-1, ISO11898-2 (CAN 2.0b)
Component standards	AEC-Q100/AEC-Q101/AEC-Q200, ROHS Compliance
Communication protocol (planned)	SAE J1939
Toxic material and flammability	UL94-V0
Functional safety	ISO26262
Automotive quality management system	IATF16949
Automotive electromagnetic compatibility (EMC)	CISPR25 class III
Shock and vibration standard	ISO16750-3 commercial vehicle sprung masses

\*Specifications are subject to change

<sup>1</sup> Can be modified upon customer request

<sup>2</sup> Non-charging. Excluding cable and coolant weights