

# 5.5kW Heavy Duty Auxiliary Drive



**Proven in Thousands of  
Commercial EVs & HEVs**

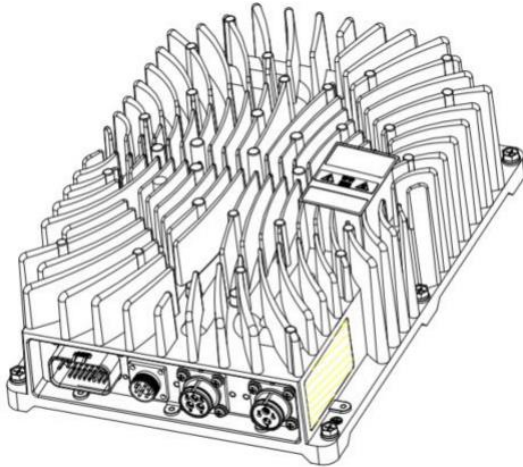
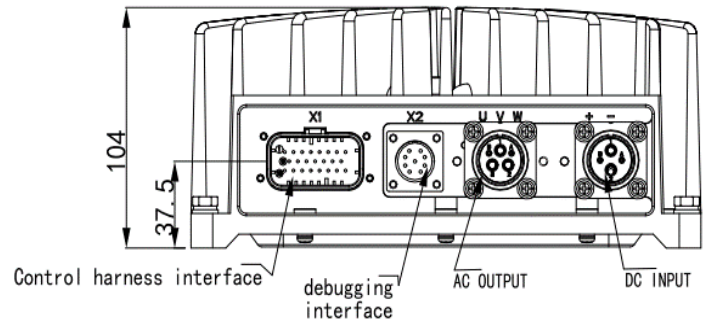
- **Highly Efficient**
- **CAN Controlled**
- **Various Protection Modes**
- **Reliable & Powerful**
- **12V/24V**
- **Software Included for 3.7kW Air Compressor (eAC3.7MV-01)**
- **Compact Design**
- **Natural Air Cooling**
- **Meets Truck & Bus Requirements**

## GENERAL SPECIFICATIONS

<b>Model #:</b>	<b>eAD5.5MV-AC03 (HVIL)</b>
<b>Rated Power:</b>	<b>5.5KW@220VAC Output</b>
<b>Input Voltage Range:</b>	<b>200V-500V</b>
<b>Control Voltage:</b>	<b>12V/24V</b>
<b>Working Ambient Temperature:</b>	<b>-40°C~+55°C</b>
<b>Rated Current (AC):</b>	<b>11A</b>
<b>Peak Current (AC):</b>	<b>19.5A</b>
<b>Environmental Protection:</b>	<b>IP67</b>
<b>Weight:</b>	<b>13.3 lbs (6 kg)</b>
<b>Dimensions:</b>	<b>13.3"L × 9.3"W × 4.1"H (340mm×235mm×104mm)</b>

# Heavy Duty Auxiliary Drive

Pin	Control Harness Pinout
1	HVIL In
2	HVIL Out
10	AC Enable (Active High)
14	Temp Sensor + (PT100) Reserved
17	LV Input -
18	LV Input +
20	AC Enable (Not Used)
21	Temp Sensor - Reserved
22	CANL
23	CANH



Pin	DC Input Pinout
1	HV Input Positive
2	HV Input Negative

Pin	AC Output Pinout
1	AC Output U Phase
2	AC Output V Phase
3	AC Output W Phase

## GENERAL SPECIFICATIONS

On Unit	Socket P/N	Plug P/N	Pin P/N
DC input Connector	Amphenol EX40202EZT	Amphenol EX40206E12-IZT	Amphenol EX30M4
AC Output Connector	Amphenol EX40302EZT	Amphenol EX40306E14-IZT	Amphenol EX30M4
Control Connector	TE 776087-1	TE 770680-1	TE 770520-1