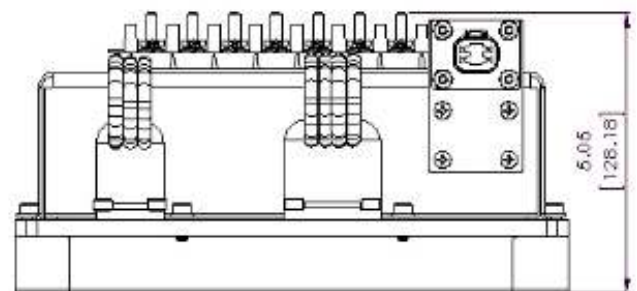
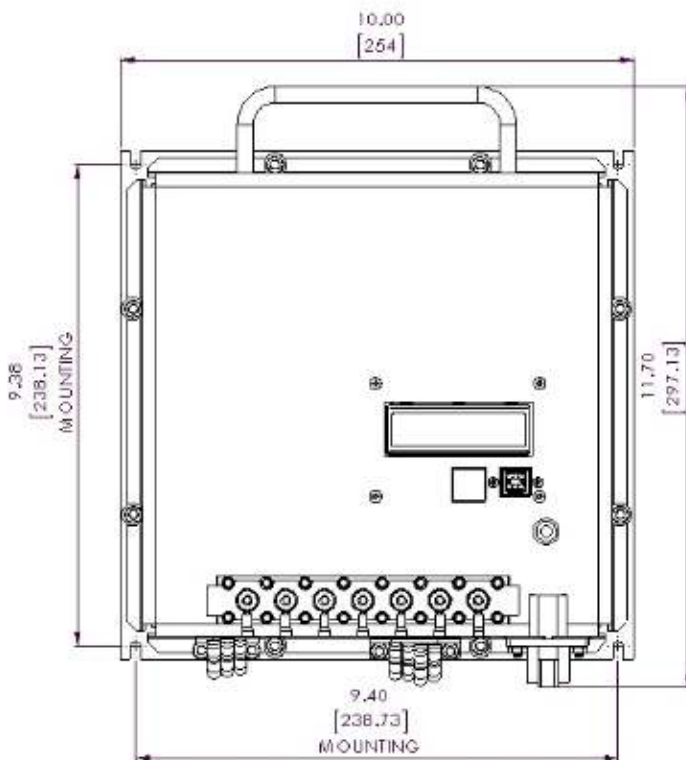
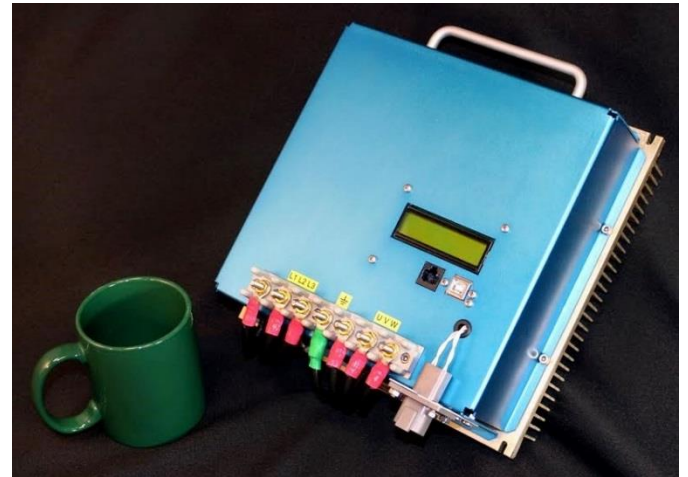




3PD-25230 *Aerospace Drive*

Invention House provides custom and off-the-shelf power drive solutions for demanding OEM applications. These compact drives operate in rugged environments over a wide range of voltage, frequency, and temperature. A certified small business, Invention House has been delivering inverters and motor controls with in-house design and production for 20 years.

- **Hydraulic pumps, Winches**
- **Fans, Blowers, Compressors**
- **3-Phase Input – 3-Phase Output**
- **230VAC – 65Amps rms (20HP)**
- **50/60/400Hz Output**
- **-40C to +55C Operation**
- **40g shock, 2grms vib**



See reverse side for technical specifications

3PD-25230 *Aerospace Drive*

Model		3PD-25230	Custom
Maximum Motor Capacity (HP)		25	25
Input	Input Current (A)* *Input current varies depending on the power supply impedance	90Amps rms	90Amps rms
	Rated Voltage	208Vac, 230Vac	
	Rated Frequency	50, 60,400	
	Allowable Voltage Fluctuation	-10 to +10%	
Output	Rated Output Capacity (kVA)	26	26
	Rated Output Current (A)	65	65
	Overload Tolerance	120% of rated output current for 60s	
	Carrier Frequency	5kHz	
	Maximum Output Voltage (V)	208, 230 proportional to input	
Control Characteristics	Control Method	V/F Control	
	Frequency Control Range (Hz)	2-400	2-400
	Frequency Accuracy	1% -40 ° C to 55 ° C	
	Frequency Setting Resolution	.25Hz	
	Frequency Setting Signal	DC 0 to +10 V (20k Ω)	0-10v, 4-20ma, Modbus
	Speed Response	5 Hz	
	Current Limit	Runs in limit, does not trip	
	Accel/Decel time	3 to 20 second	
	Braking power	600Wpeak, 200W continuous built-in	
	Main Control Functions	Speed Control, Run in current limit, upper lower limits for frequency reference, fault restart	
Protection Functions	Motor Protection	Current limit function, but not UL recognized	
	Overload Protection	Drive folds back when output current exceeds 120%	
	Overvoltage Protection	Stops when DC bus voltage exceeds approx. 410 V	
	Undervoltage Protection	Stops when DC bus voltage falls below approx. 150 V	
	Heatsink Overheat Protection	100 ° C	
	Stall Prevention	Stall prevention is available during acceleration, deceleration, and run	
Environment	Area of Use	Indoors, outdoors with appropriate enclosure	
	Ambient Temperature	-40 ° C to +55 ° C	
	Storage Temperature	-40 ° C to +60 ° C	
	Humidity	95 RH% or less (no condensation)	
	Altitude	1000 meters w/o derating, up to 3000 m with derating	
	Vibration	2grms per MIL STD-810 Composite Wheel	
	Shock	40gs per MIL STD-810	