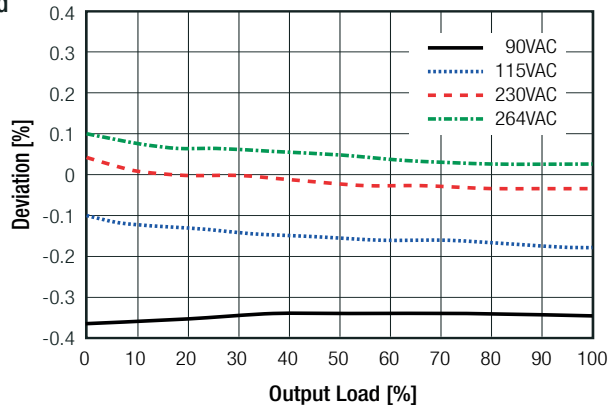


Specifications (measured @ Ta= 25°C, nom. Vin and full load unless otherwise stated)

REGULATIONS

Parameter	Condition		Value
Output Accuracy	-30°C to +70°C		±2.0% max.
Line Regulation	-30°C to +70°C		±0.1% typ.
Load Regulation	-30°C to +70°C	0%-100% load	0.2 % typ.
Transient Response	-30°C to +70°C	25% load step change recovery time	±5.0% Vout max. 200µs max.

Normalized Output Deviation vs. Load



PROTECTIONS

Parameter	Type		Value
Input fuse ⁽⁵⁾	internal		T3.15A
Short Circuit Protection (SCP)	below 100mΩ		continuous, Hiccup Mode, auto recovery
Over Voltage Protection (OVP)	105%-150% of Vout nominal		Latch OFF
Over Voltage Category			OVCII
Class of Equipment			Class I
Isolation Voltage ⁽⁶⁾	tested for 1 minute	I/P to O/P	3kVAC
		I/P to FG	1.5kVAC
		O/P to FG	0.5kVDC
Isolation Resistance	I/P to O/P; I/P to FG; O/P to FG		10MΩ min.
Isolation Capacitance			3300pF max.
Insulation Grade			reinforced
Leakage Current	240VAC, 63Hz		0.25mA max.

Notes:

Note5: Refer to local safety regulations if input over-current protection is also required

Note6: For repeat Hi-Pot testing, reduce the time and/or the test voltage

ENVIRONMENTAL

Parameter	Condition		Value
Operating Temperature Range	refer to derating graph		-30°C to +70°C
Temperature Coefficient			0.02%/K
Operating Altitude ⁽⁷⁾			5000m
Operating Humidity	non-condensing		20% - 90% RH max.
Pollution Degree			PD2
Conformal Coating			conformal coated product
Shock			20G, 11ms, 3 times for X,Y,Z axis
Vibration			10-500Hz, 3G, 10min. for each, 6cycles for each X,Y,Z
MTBF	according to MIL-HDBK-217F, G.B.	natural convection (125W)	100 x 10 ³ hours
	+25°C	forced cooling (150W)	200 x 10 ³ hours

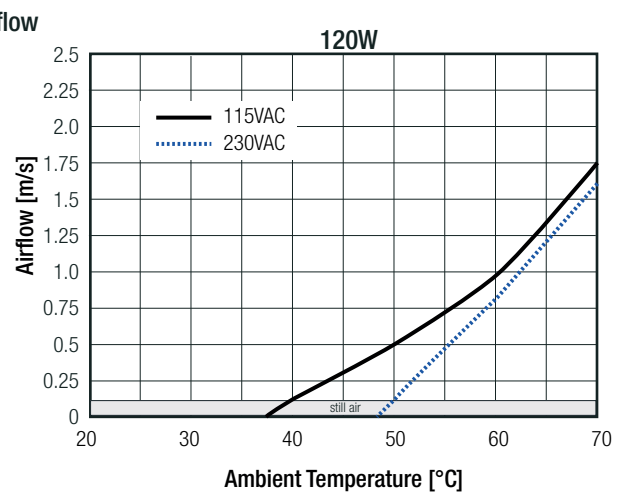
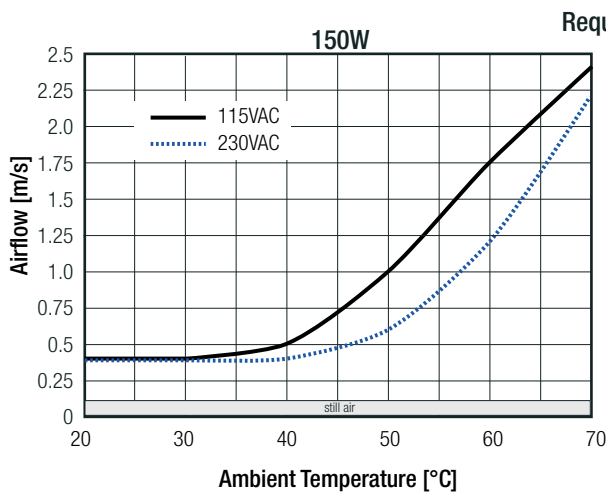
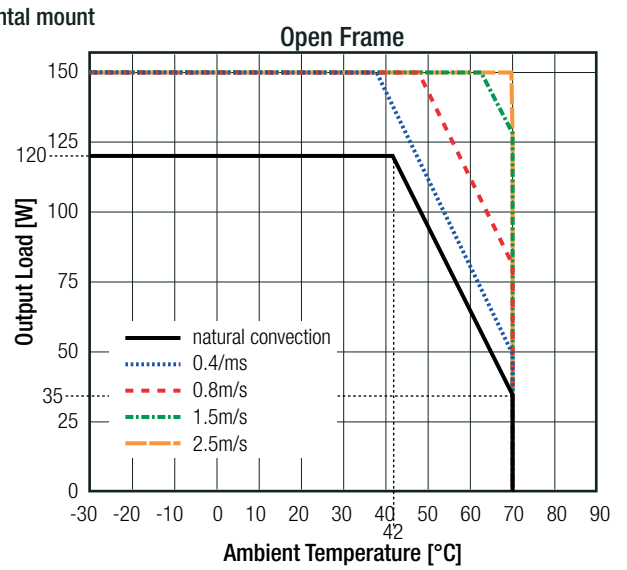
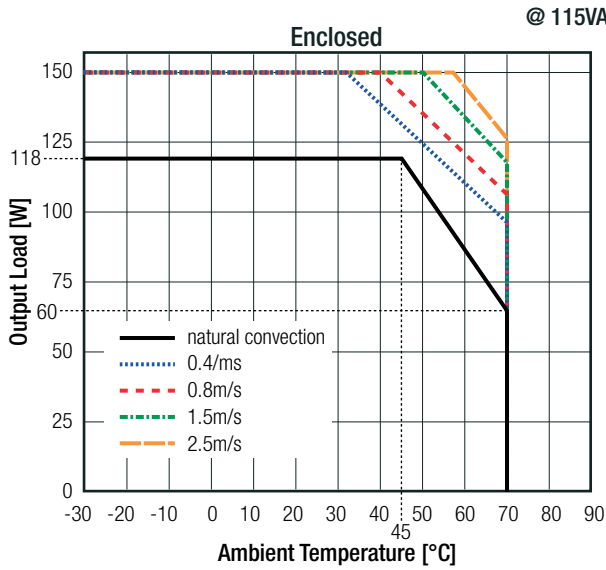
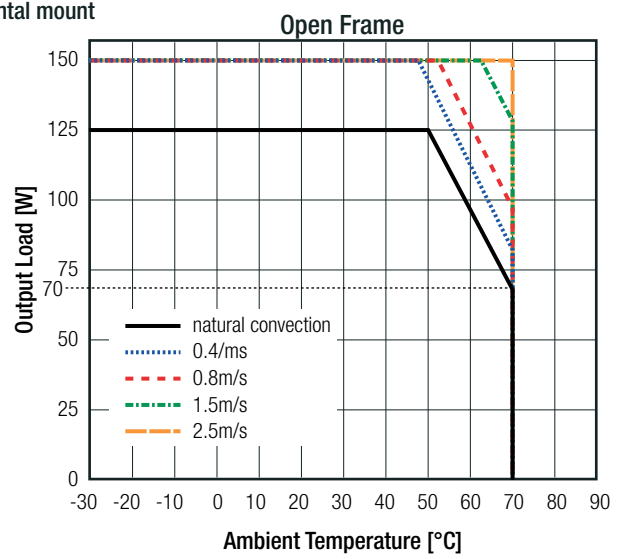
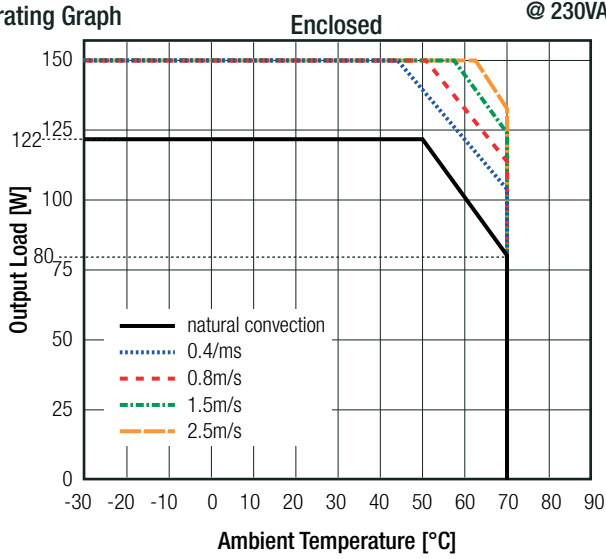
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Specifications (measured @ $T_a = 25^\circ\text{C}$, nom. V_{in} and full load unless otherwise stated)

Notes:

Note7: Recognized by UL for safe operation up to 5000m. High altitude operation may impact the performance and lifetime. Please contact RECOM tech support for advice.

Derating Graph



<0.1m/s = still air
0.1 - 0.2m/s = natural convection