

SINGLE PHASE & THREE PHASE

EC PURE DRIVES

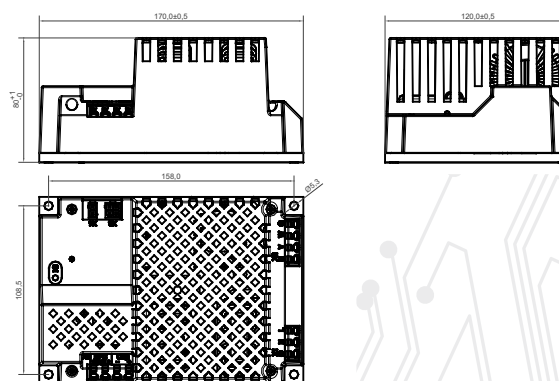


TYPE	PURE-2900	PURE-4400	PURE-8000
OUTPUT			
Nominal Power	2.9 kW	4.4 kW	8 kW
Nominal Current	10.8 Arms	16.2 Arms	30 Arms
Voltage Amplitude Range	0 – 260 Vrms		
Voltage Frequency Range	0 – 400 Hz		
Motor Type	Permanent Magnet Synchronous Motor, BLDC		
Control Method	Sensor less Field Oriented Control (FOC)		
INPUT			
Supply Range	1 x 180-260 Vrms ~ 50/60 Hz		
Max. input current	13.4 Arms	20.6 Arms	45 Arms
PFC Filter Type	Active (PF > 0.99)		
PROTECTION			
Max. input current ⁽¹⁾	13.4 Arms	20.6 Arms	45 Arms
Max. output current ⁽¹⁾	11.9 Arms	17.8 Arms	33 Arms
Max. output power ⁽¹⁾	2.9 kW	4.4 kW	8 kW
INV PM Gate Kill ⁽²⁾	33.3 Apk	50 Apk	60 Apk
PFC PM Gate Kill ⁽²⁾	-	-	-
PFC-INV PM Over-Temp 1 ⁽¹⁾	194°F (90°C)		
PFC-INV PM Over-Temp 2 ⁽²⁾	230°F (110°C)		
Max. input voltage ⁽²⁾	approx. 265 Vrms ~		
Min. input voltage ⁽²⁾	approx. 170 Vrms ~		
High Pressure Safety Input ⁽²⁾	Yes		
GENERAL			
Efficiency at full load	> 94 %	> 94 %	> 96 %
Working ambient temperature	-13°F (-25°C) to +150°F ⁽³⁾ (+65°C ⁽³⁾)		
Storage temp	-40°F (-40°C) to +158°F (+70°C)		
Working humidity	0-90 % RH Non condensing		
Storage humidity	0-100 %		
Protection class	IP 20		
Inrush current	Limited Max 5 A		
CE	2006/95/EC (LVD) - 2004/108/EC (EMC) - 2002/95/EC (RoHS)		
Leakage current (standby)	< 3.5 mA with integrated filter		
Size	170 x 120 x 80 mm	170 x 120 x 80 mm	2 x (170 x 120 x 70 mm)
Weight	0.9 kg	0.9 kg	2 kg
Cover	PC/ABS BLACK		
Baseplate	6 mm ALU slightly convex – 4 x Ø6 mm mounting holes		
Supply terminal type	Cage clamp max 4 mm ²		
Motor terminal type	Cage clamp max 4 mm ²		
Modbus connection	4 pole Minifit Junior plug		
Safety input connection	2 pole Minifit Junior plug		
LED indication	2 color LED multiple purpose – software controlled		
Modbus - default	RTU : 9600 - 8 bit - 1 stop bit - even parity – address 1		
Modbus	Configurable – See modbus documentation for details		
Cooling	Mounting of 6 mm alu baseplate on external heatsink le heat exchanger for proper cooling is mandatory		

(1) Software configurable parameter. It determines when the Drive starts speed derating.

(2) If exceeded, the Drive shuts down.

(3) With sufficient baseplate cooling.

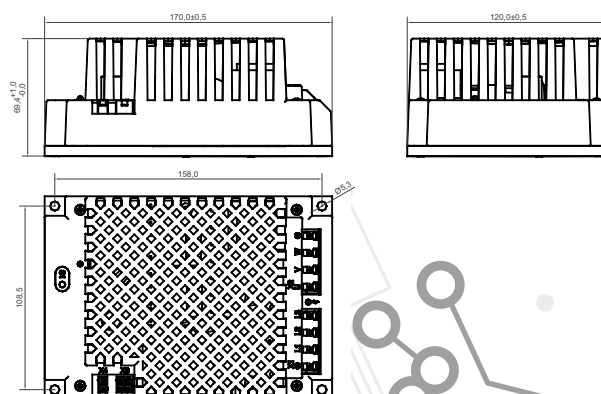


TYPE	PURE-3300	PURE-5500	PURE-7500
OUTPUT			
Nominal Power	3.3 kW	5.5 kW	7.5 kW
Nominal Current	8.1 Arms	13.5 Arms	18.9 Arms
Voltage Amplitude Range	310 – 460 Vllrms		
Voltage Frequency Range	0 – 400 Hz		
Motor Type	Permanent Magnet Synchronous Motor, BLDC		
Control Method	Sensor less Field Oriented Control (FOC)		
INPUT			
Supply Range	3 x 310 – 460 Vrms ~ 50/60 Hz		
Max. input current	-		
PFC Filter Type	Passive filter can be added externally		
PROTECTION			
Max. input current ⁽¹⁾	-	-	-
Max. output current ⁽¹⁾	8.9 Arms	14.9 Arms	20.8 Arms
Max. output power ⁽¹⁾	3.3 kW	5.5 kW	7.5 kW
INV PM Gate Kill ⁽²⁾	18 Apk	30 Apk	43 Apk
PFC PM Gate Kill ⁽²⁾	-		
PFC-INV PM Over-Temp 1 ⁽¹⁾	194°F (90°C)		
PFC-INV PM Over-Temp 2 ⁽²⁾	230°F (110°C)		
Max. input voltage ⁽²⁾	approx. 465 Vrms ~		
Min. input voltage ⁽²⁾	approx. 305 Vrms ~		
High Pressure Safety Input ⁽²⁾	Yes		
GENERAL			
Efficiency at full load	> 96 %		
Working ambient temperature	-13°F (-25°C) to +150°F ⁽³⁾ (+65°C ⁽³⁾)		
Storage temp	-40°F (-40°C) to +158°F (+70°C)		
Working humidity	0-90 % RH Non condensing		
Storage humidity	0-100 %		
Protection class	IP 20		
Inrush current	Input Filter dependent		
CE	2006/95/EC (LVD) - 2004/108/EC (EMC) - 2002/95/EC (RoHS)		
Leakage current (standby)	< 3.5 mA standalone		
Size	170 x 120 x 70 mm		
Weight	0.8 kg		
Cover	PC/ABS BLACK		
Baseplate	6 mm ALU slightly convex – 4 x Ø6 mm mounting holes		
Supply terminal type	Cage clamp max 4 mm ²		
Motor terminal type	Cage clamp max 4 mm ²		
Modbus connection	4 pole Minifit Junior plug		
Safety input connection	2 pole Minifit Junior plug		
LED indication	2 color LED multiple purpose – software controlled		
Modbus - default	RTU : 9600 - 8 bit - 1 stop bit - even parity – address 1		
Modbus	Configurable – See modbus documentation for details		
Cooling	Mounting of 6 mm alu baseplate on external heatsink le heat exchanger for proper cooling is mandatory		

(1) Software configurable parameter. It determines when the Drive starts speed derating.

(2) If exceeded, the Drive shuts down.

(3) With sufficient baseplate cooling.



CONTACT INFO



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