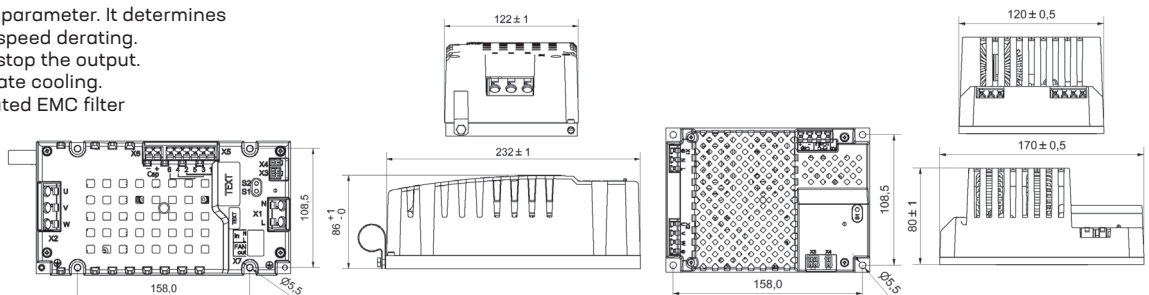




Type	PURE-2200	PURE-2900	PURE-4400	PURE-8000
OUTPUT				
Nominal Power	2.2 kW	2.9 kW	4.4 kW	8 kW
Nominal Current	8.1 Arms	10.8 Arms	16.2 Arms	30 Arms
Voltage Amplitude Range	0 - 230 V _{rms}			
Voltage Frequency Range	0 - 400 Hz			
Motor Type	Permanent Magnet Synchronous Motor, BLDC			
Control Method	Sensor less Field Oriented Control (FOC)			
INPUT				
Supply Range	1~ 208 - 240 ⁺¹⁰ / ₋₁₅ % V _{rms} 50/60 Hz			
Max. input current	10.3 Arms	13.4 Arms	20.6 Arms	45 Arms
PFC Filter Type	Active (PF > 0.99)			
PROTECTION				
Max. input current ⁽¹⁾	10.3 Arms	13.4 Arms	20.6 Arms	45 Arms
Max. output current ⁽¹⁾	8.1 Arms	11.9 Arms	17.8 Arms	33 Arms
Max. output power ⁽¹⁾	2.2 kW	2.9 kW	4.4 kW	8 kW
INV PM Gate Kill ⁽²⁾	25 Apk	33.3 Apk	50 Apk	55 Apk
PFC PM Gate Kill ⁽²⁾	25.0	33.0	50.0	40.0
PFC-INV PM Over-Temp 1 ⁽³⁾	194 °F (90 °C)			
PFC-INV PM Over-Temp 2 ⁽²⁾	230 °F (110 °C)			
Max. input voltage ⁽²⁾	approx. 265 V _{rms}			
Min. input voltage ⁽²⁾	approx. 170 V _{rms}			
High Pressure Safety Input ⁽²⁾	Yes			
GENERAL				
Efficiency at full load	> 92 %	> 92 %	> 92 %	> 92 %
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 - 95 % RH Non condensing			
Storage humidity	0 - 95 % RH Non condensing			
Protection class	IP 20			
Inrush current	Limited Max 5 A			
CE - UL/GSA	2014/35/EU (LVD) - 2014/30/EU (EMC) - 2015/863/EU (RoHS3) - UL60730-1			
Line filter	Included			Not included ⁽⁴⁾
Leakage current	< 3.5 mA			
Size	170 x 120 x 80 mm	170 x 120 x 80 mm	170 x 120 x 80 mm	232 x 122 x 86 mm
Weight	0.9 kg	0.9 kg	0.9 kg	1.6 kg
Cover	PC/ABS BLACK			
Baseplate and mounting holes	6 mm ALU slightly convex - 4 x Ø5.5 mm			12 mm ALU flat - 4 x Ø5.5 mm
Supply- and Motor terminals type	Cage clamp max 4 mm ² (AWG 12)			16 mm ² (max AWG 6)
PFC terminal type	Cage clamp max 4 mm ² (AWG 12)			6 mm ² (max AWG 10)
Modbus connection	4 pole Mini-Fit Jr. plug			
Safety input connection	2 pole Mini-Fit Jr. 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 product manual			
Cooling	Mounting of 6 mm alu baseplate on external heatsink e.g. heat exchanger for proper cooling is mandatory.			

- (1) Software configurable parameter. It determines when the Drive starts speed derating.
- (2) If exceeded, the drive stop the output.
- (3) With sufficient baseplate cooling.
- (4) Eltwin can provide related EMC filter





EC

PURE drives / three phase input

Type	PURE-5500	PURE-7500
OUTPUT		
Nominal Power	5.5 kW	7.5 kW
Nominal Current	13.5 Arms	18.9 Arms
Voltage Amplitude Range	0 - 400 V _{rms}	
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~ 380 - 400 ⁺¹⁰ / ₋₁₅ % V _{rms} 50/60 Hz	
Max. input current	12 A	16 A
PFC Filter Type	Passive filter can be added externally	
PROTECTION		
Max. input current ⁽¹⁾	12 A	16 A
Max. output current ⁽¹⁾	14.9 Arms	20.8 Arms
Max. output power ⁽¹⁾	5.5 kW	7.5 kW
INV PM Gate Kill ⁽²⁾	30 Apk	43 Apk
PFC PM Gate Kill ⁽²⁾	N/A	N/A
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 V _{rms}	
Min. input voltage ⁽²⁾	approx. 305 V _{rms}	
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	0-95 % RH Non condensing	
Storage humidity	0-95 % RH Non condensing	
Protection class	IP20 / NEMA type 1	
Inrush current	Line filter dependent	
CE	2014/35/EU (LVD) - 2014/30/EU (EMC) - 2015/863/EU RoHS3	
Line filter	Not included ⁽⁴⁾	
Leakage current	< 3.5 mA	
Size	170 x 120 x 69.4 mm	
Weight	0.8 kg	
Cover	PC/ABS BLACK	
Baseplate and mounting holes	6 mm ALU slightly convex - 4 x Ø5.5 mm	
Supply terminal type	Cage clamp max 4 mm ² (AWG 12)	
Motor terminal type	Cage clamp max 4 mm ² (AWG 12)	
Modbus connection	4 pole Mini-Fit Jr. plug	
Safety input connection	2 pole Mini-Fit Jr. 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 product manual	
Cooling	Mounting of 6 mm alu baseplate on external heatsink e.g. heat exchanger for proper cooling is mandatory	

- (1) Software configurable parameter. It determines when the Drive starts speed derating.
- (2) If exceeded, the drive stop the output.
- (3) With sufficient baseplate cooling.
- (4) Eltwin can provide related EMC filter

