

1.0 VLT2800 Frequency Converter with RFI Filter Class 1A VLT2803-2875 And 1A/1B for VLT2880-2882

VLT2800 Features;

- Enhanced PWM Switching pattern VVC+
- Integral DC Link Harmonic Filters in all 3ph 400v & 200v models.
- Integral EMC Filters to meet EN55011 Class 1A with option for Class 1B
- Protection against short circuit, earth fault, mains transient, switching on input or output & galvanic isolation as standard.
- Integral PID Controller
- RS485 with FC protocol, N2 as standard. Options for Profibus DP, Lonworks, DeviceNet
- AEO Automatic Energy Optimiser function
- Quick Set Up Menu for easy commissioning
- 5 x DI, 2 x AI (1 x volts, 1x Amps), 1 x AO (Ma), 1 x Relay output 250vac, thermistor input
- Built-in 24v and 10v supplies
- Temperature controlled cooling fan in-built
- Square root function

Product Range

3ph, 380-480v	0.55-18.5Kw
1/3ph 200-240v	0.37-1.5Kw
3ph, 200-240v	2.2-3.7Kw
Available in; IP20 & 21 enclosures	

Compliance with International Standards

Built-in RFI Filters available for the entire product range complying with EN55011, Class 1A. Complies also with IEC 61000-3-2 and 61000-3-4 .
Max motor cable lengths 25m screened /armoured cable and upto 75m unscreened/unarmoured cables. Optional motor coil module available for long motor cable runs

Technical Specification

Line Voltage	200-240v or 380-480v +/- 10%
Supply Frequency	50/60Hz +/- 1%
Overload Torque	160% for 60 seconds
True Power Factor	0.9nominal at rated load
Displacement power factor	near unity >0.98
Switching on supply input	approx. 1 time/minute

Type	Kw	Description 3Phase 380-480v					Order Code No.
2805	0,6B20	ST	R1	DB	0	0F00	195N1003
2807	0,8B20	ST	R1	DB	0	0F00	195N1015
2811	1,1B20	ST	R1	DB	0	0F00	195N1027
2815	1,5B20	ST	R1	DB	0	0F00	195N1039
2822	2,2B20	ST	R1	DB	0	0F00	195N1051
2830	3,0B20	ST	R1	DB	0	0F00	195N1063
2840	4,0B20	ST	R1	DB	0	0F00	195N1075
2855	5,5B20	ST	R1	DB	0	0F00	195N1087
2875	7,5B20	ST	R1	DB	0	0F00	195N1099
2880	11,0B20	ST	R3	DB	0	0F00	195N1111
2881	15,0B20	ST	R3	DB	0	0F00	195N1123
2882	18,5B20	ST	R3	DB	0	0F00	195N1135
Type	Kw	Description 1/3Phase 200-240v					
2803	0,37 B20	ST	R1	DB	0	0F00	195N0003
2805	0,55 B20	ST	R1	DB	0	0F00	195N0015
2807	0,75 B20	ST	R1	DB	0	0F00	195N0027
2811	1,1 B20	ST	R1	DB	0	0F00	195N0039
2815	1,5 B20	ST	R1	DB	0	0F00	195N0051
2822*	2,2 B20	ST	R1	DB	0	0F00	195N0063

NB: For units without RFI Filters, please contact Danfoss

NB: VLT2822* Mains supply 3phase 200-240v

