

### VSF series of Drives for Fan & Compressors Specifications

S. No	Parameter	Range / Characteristics					Unit
		VSD2102	VSD2105	VSD2110	VSD2120	VSD2130	
1	Control method	V/F					
2	Output frequency	5.0 to 60.0					Hz
3	Acceleration time	5 to 99.9					Sec
4	Deceleration time	5 to 99.9					Sec
5	Voltage boost	0.0 to 20.0					%
6	Input voltage	230, 1 $\Phi$					Vac
7	Input frequency	50 / 60					Hz
8	Motor power	0.18	0.375	0.75	1.5	2.2	kW
9	Max. output current continuous	1.1	2.2	4.2	6.8	9.6	Arms
10	Motor voltage	230					Vrms
11	Recommended conductor cross section	I/P	O/P	I/P	O/P	I/P	O/P
		1.0	1.0	1.5	1.0	2.5	2.5
12	Earth wire cross section	2.5					mm <sup>2</sup>
13	Recommended CB Rating	4A, 2P, C-Curve	10A, 2P, C-Curve	16A, 2P, C-Curve	20A, 2P, C-Curve	25A, 2P, C-Curve	
14	Drive protection	a) Over voltage protection b) Under voltage protection c) Over current protection d) Over temperature protection					
15	Digital inputs	a) 1 opto-isolated digital input-Enable b) 1 opto-isolated digital input-Direction					
16	Speed control	a) 1 opto-isolated analog input 0 -10Vdc b) 1 potentiometer to set maximum speed					
17	Operating position	Vertical					
18	Ambient temperature	0 to 40					°C
19	Humidity	90% non condensing maximum					
20	Standards	cCSA <sub>US</sub>					
21	Dimensions	To be decided					
22	Options	A) Power factor control B) More I/O C) Display & keyboard D) RS 485 E) Custom software F) NEMA enclosures					

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