

DALTON

Frequency Converter
Three Phases
50-60-400Hz



FC33 Series (10-120KVA)



- Double conversion and PWM technology with pure sinewave output,
- Microprocessor controller,
- Galvanic Isolation,
- Efficiency up to 91%,
- Emergency close switch connection,
- User friendly front panel(5button and LCD indicator), detailed information
- availability to do the adjustment of parameters through front panel,
- History log of 128 events, calendar and time indicators,
- High performance at non-linear loads,
- Remote monitoring via network,
- SNMP compatibility,
- Low input harmonic distortion and increased pf with optional 12p version,
- 10 Years spare parts supply warranty,
- Low installation and operating cost,

Technical Specifications

Model		FC33 10	FC33 15	FC33 20	FC33 30	FC33 40	FC33 60	FC33 80	FC33 100	FC33 120	
Rating Power		10KVA 8KW	15KVA 12KW	20KVA 16KW	30KVA 24KW	40KVA 32KW	60KVA 48KW	80KVA 64KW	100KVA 80KW	120KVA 96KW	
INPUT	Voltage	400 VAC or 380VAC 3phase , 4Wire + G									
	Tolerance	±10%									
	Frequency	50 / 60Hz									
	Tolerance	±5%									
	Power factor	0,8 (with optional 12pulse version :0,95)									
	max RFI	EN 50091-2 Class A									
OUTPUT	Voltage	208VAC, 3Phase, 4Wire+G									
	Voltage Stability	static (balanced load) : +/-2% static (unbalanced load) : +/-4% Dynamic (0% - 100%step load) : +/-6%									
	Uptime Time	after 0%-100% step load: max 25m sec									
	Crest factor	3:1									
	Frequency	50 / 60 / 400 Hz on request									
	Frequency Tolerance	±0.2%									
	Overload 101% - 110% load	1h									
	Overload 130% load	10min.									
	Overload 150% load	1min									
	Overall Efficiency	up to 91%									
	Total Harmonic Distortion	<3% at linear load <5% at non-linear load									
COMMUNICATION	Interface	RS232 and Dry Contact,									
ENVIRONMENT	Audible Noise	<55dBA				<60dBA			63 to 66dBA		
	Operating Temperature	0-40°C									
	Relative Humidity (non condensing)	0-95%									
	Max. Altitude	<1000m									
	Standards	EN 50091-1 (safety), EN 50091-2 (EMC), IEC 62040-3 (class VFI), IP20									
PHYSICAL	L*W*H (mm)	490x650x1190			565x820x1400			720x800x1450	1192x874x1720		
	Weight (kg)	240	255	270	285	490	570	600	750	810	

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Dalton Power (UK) Ltd | Unit 3 Narberth Bridge Business Park Narberth SA67 8RF | United Kingdom
 Tel: +44 (0) 190 557 0358 Fax: +44 (0) 183 445 0092 Email: info@daltonpower.co.uk
www.daltonpower.co.uk

