

# Frequency Converter

3 Phase in – 3 Phase out / 10 to 120kVA  
50/60/400Hz

- ▶ 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,



## Frequency Converter Technical Specifications

MODEL	FC 3310	FC 3315	FC 3320	FC 3330	FC 340	FC 3360	FC 3380	FC 33100	FC 33120	
Output Power kVA	10	15	20	30	40	60	80	100	120	
Output Power Kw	8	12	16	24	32	48	64	80	96	
Power factor	0.8									
<b>INPUT</b>										
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									
<b>OUTPUT</b>										
Voltage	208VAC, 3Phase, 4Wire+G									
Voltage Stability	static (balanced load) : +/-2%									
	static (unbalanced load) : +/-4%									
	Dynamic (0% - 100%step load) : +/-6%									
Uptum 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									
<b>COMMUNICATION</b>										
Interface	RS232 and Dry Contact,									
<b>PHYSICAL</b>										
Weight without battery (kg)	240	255	270	285	490	570	600	750	810	
Dimensions (mm) WxDxH	490x650x1190				565x820x1400		720x800x1450		1192x874x1720	
<b>ENVIRONMENT</b>										
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									