



SETNIC

High Power Industrial Frequency Converter

Key Features :

- . High Reliability With Industrial design.
- . Galvanic Isolation design.
- . User- friendly large system monitoring
- . Full Sine Wave
- . High Efficiency >84%
- . Driving Full Capacitive & Inductive Load
- . IEC Standard
- . Different Protection level
Short Circuit , Over load
Input & output under & over Voltage
Current Limit

SETNIC industrial high Power full sine wave 400 HZ frequency converter systems are specially designed for different industrial and aviation applications. SETNIC Frequency converter easily can drive high power capacitive and inductive load .

SPECIFICATIONS

AC Input

Mains Voltage	3 Phase 380Vac -10% +10% , 50HZ
Maximum Inrush Current	Less than Input Current
Power Factor :	Better than 0.98 at full load
Input THD	Less than 10%
Ac to DC Isolation	Galvanic Transformer
DC Input :	
DC Link Voltage range	-----
Float Charge	-----
End of Discharge	-----

Output :

Wave form	Full Sine Wave
Nominal Voltage	120 / 208Vac 3 Phase
Load Regulation	$\pm 0.5\%$
Line Regulation	$\pm 0.5\%$
Rated Frequency	400 HZ ± 0.5
Efficiency	> 84% (full load)
Total Harmonic Distortion	Less Than 3%
Single Harmonic Distortion	Less Than 2%
Load Current Crest factor	3 : 1
Over Load Capability	10 SEC 150% & 10 Min 110%
DC to DC Isolation:	Galvanic Isolation
Power Factor range	Full Capacitive to full inductive load
Output Power	15 kva
Recovery Time	Less than 0.001 Sec
Acoustic noise level (DIN45635)	Less Than 55 dba

Protections :	
Inverter Automatically Shut down at:	Low DC input Voltage
	High & Low output Ac voltage
	Over heat
	Over Load
	Short Circuit
	Single Harmonic Distortion more than 7%
Static By - PASS Switch :	
Load transient & Over Load	
S.B.S Continuous Current	
Manual BY - PASS Switch :	
Handy Switch	
Delay Time	
Isolation :	
Galvanic	2500 V/1Min / 5 MEG
Environment :	
Ambient Temperature	- 5 ° C to +40 ° C without De rating To 50 ° C with 20% De rating
Humidity :	Max 95%
Humidity Class	Class F
Altitude	Up to 1000 m above sea level
Cooling	Boosted by automatic built in fans
Degree of protection	IP42
Standard No	IEC 62040
Dimensions (WxHxD)	1800x800x600 mm
Weight	Approx. 300 kgs