



ICO-F100

Technical Data

Distributed by



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Electrical Data

Nominal Power	100 kVA
Nominal Voltage	400 V
Input Voltage	Range 380 - 440 V
Frequency	50 Hz

Electrical Connection

Input Terminal	95mmq, 8 mm
Output Terminal	95mmq, 8 mm
Raccomanded Cable Size	95 mmq
Earth Cable Size	16 mmq

Communication Connection

Internal serial	Modbus RTU/TCP
External web (optional)	Ethernet/Modem GSM-GPRS

Meter

Accuracy	Class B
TA Class	0,5
CT Ratio	200/5

Performance

Range Saving	5 - 15%
System Efficiency	> 99%
Power consumption	0,1 kWh

Ambiental Data

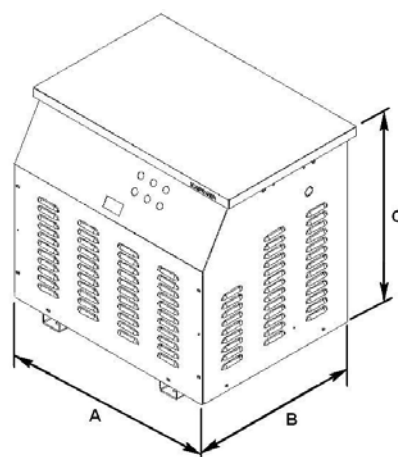
Temperature	5 - 50°C
Humidity	0 - 95%
Altitude	< 2.000 m

Other Features

IP Protection	21
Installation	Indoor
Aeration	Electric Ventilation System
Automatic By-Pass	Yes
Max By-pass Corrent	250A (40°C)
Max Operative Current	160A
Isolation Class	H/H
Short circuit current Icw	8 kA
By-pass Time	Immediately

Size and Weight

Width (A)	750 mm
Depth (B)	490 mm
Height (C)	790 mm
Weight	186 kg



Warranty

Machine	2 years
Expected Life	10 years
Performance degradation	None

Certifications

- Declaration of CE conformity
- Safety power transformers IEC/EN 61558
- Electromagnetic compatibility IEC/EN 61000
- Low-voltage switchgear and controlgear assemblies IEC/EN 61439



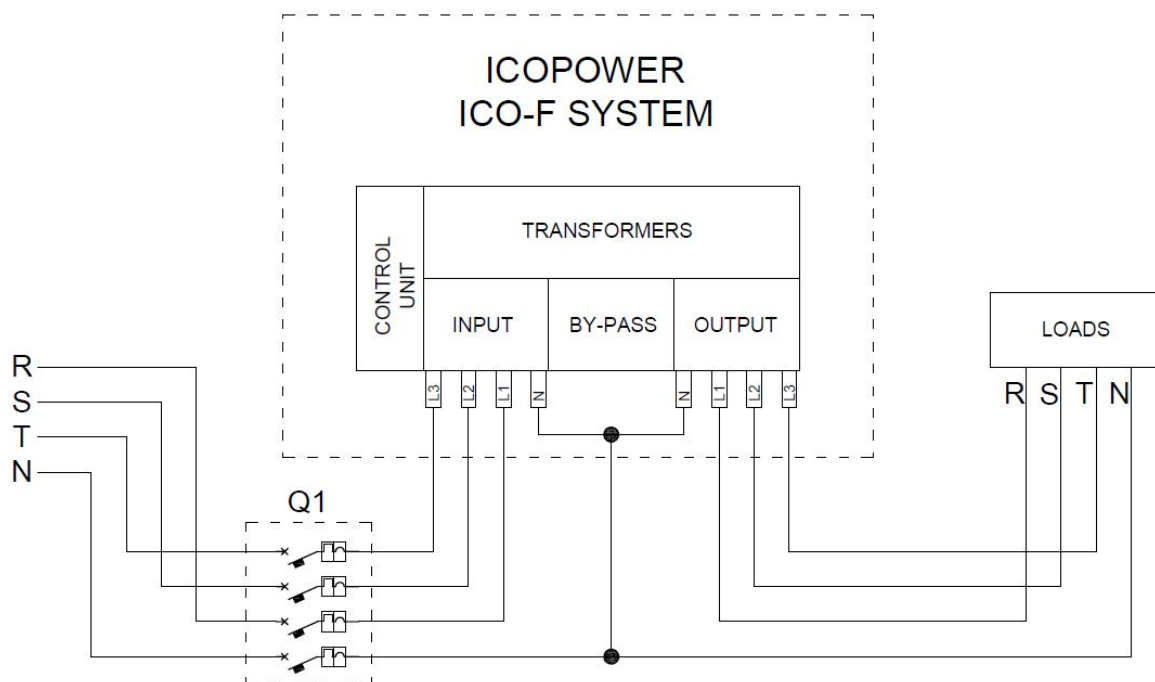
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ATTACHED A

Pre-installation diagram without ICO-F system



Post-installation diagram with ICO-F system



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ATTACHED B

ELECTROMAGNETIC COMPATIBILITY TEST	TEST REPORT
LABORATORIO DI INGEGNERIA ELETTRICA	DOC. TR 17-12 LIE

CONDUCTED EMISSION TEST

EUT: ICO – F
P/N: 30008030317032
Operating condition: Standard
Test site: Laboratorio di Ingegneria Elettrica
Test specification: Phase 2
Comment: Online

MEASUREMENT SETTINGS

Start frequency	Stop frequency	Scan step	Res. Bandwidth	Final scan	Dwell time
0,15 MHz	30 MHz	5 kHz	9 kHz	Peak	20 ms
0,15 MHz	30 MHz	5 kHz	9 kHz	Average	20 ms

Antenna	Correction factor 1	Correction factor 2	Correction factor 3	Scan	Reference
Att. 20dB	Att. Cavi 5m UFA210A + 10m UFB311A	–	ESBI	Lin	A-76-843385/004

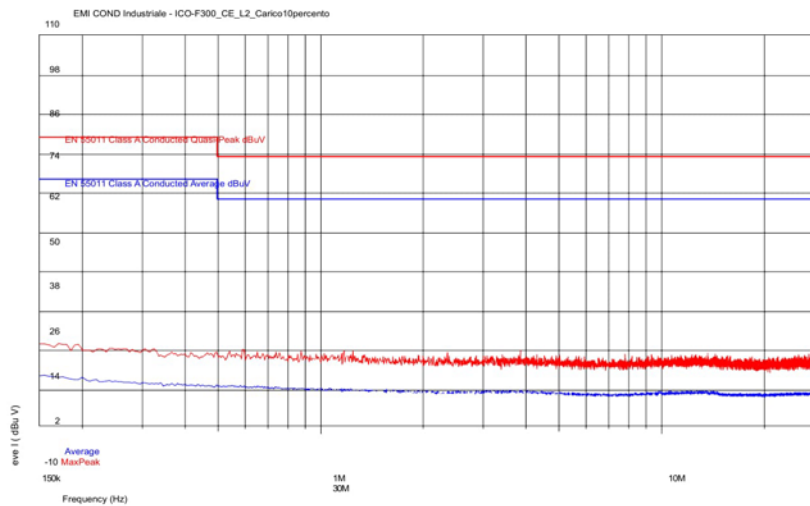


Fig. 6: conducted emissions measurement on L2 conductor

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