POWER ENERGY SOLUTIONS

POWEREUROPE

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Power Europe srl è stata fondata nel 1990 applicando le competenze e le conoscenze tecniche, produttive ed organizzative acquisite dall'attuale proprietà in oltre venti anni di esperienze nel settore. L'azienda, che ha sede nel comune di Sarego in provincia di Vicenza, si estende su una superficie di 18000 m^2, di cui 7500 m^2 di area produttiva e 900 m^2 di uffici direzionali e tecnici. **Power Europe srl** si occupa della progettazione, della costruzione e della commercializzazione di componenti magnetici di bassa e media tensione, con potenze fino a 8 MVA, per molteplici applicazioni, quali ad esempio impianti per telecomunicazioni, costruzioni navali, elettronica di potenza, centrali nucleari, costruzioni offshore.

Power Europe srl was founded in 1990 applying the technical, productive and organizational skills and knowledge acquired by its current owners in over 20 years in the sector. The company headquarter is in Sarego, province of Vicenza. It lies on a total surface of 18000 m^2, 7500 m^2 of production area and 900 m^2 are assigned to technical and executive offices. **Power Europe srl** deals with the design, construction and marketing of low and medium voltage magnetic components, with powers up to 8 MVA for different operations such as telecommunication systems, naval constructions, power electronics, nuclear power stations and offshore constructions.

Power Europe srl fue fundada en el año 1990 aplicando las competencias y conocimientos técnicos, productivos y organizativos adquiridos por sus propietarios actuales durante más de veinte años en el sector. La empresa, con sede en el municipio de Sarego en la provincia de Vicenza, se extiende sobre una superficie de 18000 m^2, de los cuales 7500 m^2 pertenecen al área productiva y 900 m^2 a las oficinas administrativas y técnicas. **Power Europe srl** se ocupa del diseño, construcción y comercialización de componentes magnéticos de baja y media tensión, con potencia de hasta 8 MVA, para aplicaciones múltiples, como por ejemplo, instalaciones para telecomunicaciones, construcciones navales, electrónica de potencia, centrales nucleares y construcciones offshore.

Power Europe srl wurde 1990 gegründet. In über zwanzig Jahren Branchenerfahrung, hat es die derzeitige Inhaberschaft verstanden, die erworbenen Kompetenzen sowie die technischen, produktiven und organisatorischen Kenntnissen, anzuwenden. Die Firma mit Sitz in der Gemeinde von Sarego in der Provinz von Vicenza erstreckt sich über ein Oberflächegelände von 18000 m^2, davon sind 7500 m^2 für die Produktion und 900 m^2 für Büroräume der Geschäftsleitung und der technischen Büros bestimmt. **Power Europe srl** befasst sich mit der Projektierung, der Konstruktion und mit dem Vertrieb von magnetischen Komponenten des niedrigen und mittleren Spannungsbereiches mit Leistungen bis zu 8 MVA, die für vielfältige Anwendungen, wie zum Beispiel Anlagen für die Fernmeldetechnik, Schiffsbau, Leistungselektronik, Nuklearzentren und Offshorebau, geeignet sind.

Компания **Power Europe srl** была создана, как плод знаний, технических,производственных и организационных навыков ее нынешних владельцев, проработавших в этой сфере более 20 лет. Штаб-квартира компании расположена в Сарего (Sarego) – провинция Винченца (Vicenza). Компания располагается на земельном участке 18000m^2, 7,500m^2 производственные площади, 900m^2 отведены под технические и административные помещения. **Power Europe srl** занимается проектированием, производством и продажей низковольтных и высоковольтных трансформаторов (tension magnetic components),с мощностями до 8 МВАдля различных применений в таких сферах, как: телекоммуникации, кораблестроение, атомная промышленность, электроэнергетика и морские платформы.

La Société **Power Europe srl** a été fondé en 1990, en utilisant les connaissances et l'expérience de ses fondateurs soit plus de 20 ans dans ce secteur et ceci dans le domaine technique, la production et l'organisation. Le Siège de la Compagnie est situé dans la commune de Sarego, province de Vicenza, **Power Europe srl** dispose d'une surface de 18000 m^2 , dont 7500 m^2 pour l'unité de production, tandis que les bureaux administratifs et techniques occupent 900 m^2. **Power Europe srl** étudie, construit et propose à la vente des composants magnétiques de basse et moyenne tension, allant jusqu'à 8 MVA de puissance et ceci pour différents domaines, tels que les systèmes de télécommunication, la construction navale, l'électronique de puissance, les centrales nucléaires, et les constructions offshore.

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POWER ENERGY SOLUTIONS
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12kV - *STANDARD LOSSES*
PERDITE STANDARD

Standards / **Normative**	CEI 14-4, 14-8 - IEC/EN 60076-11 - CENELEC HD 538.1		
Frequency / **Frequenza**	50 Hz		
Primary Voltage / **Tensione primaria**	6 - 8,4 - 10 - 11 kV	*Insulation Class* / **Classe di isolamento**	12kV / 28kV / BIL 60/75kV
MV Tappings / **Regolazione MT**	± 2 x 2,5%		
Secondary Voltage / **Tensione secondaria**	400 - 410 - 420 V	*Insulation Class* / **Classe di isolamento**	1,1kV / 3kV
Vector group / **Gruppo vettoriale**	Dyn11		
Insulation system / **Sistema isolante**	F / F		
Temperature rise / **Sovratemperatura**	100 / 100 °C		
Ambient temperature / **Temperatura ambiente**	-5 / +40 °C		

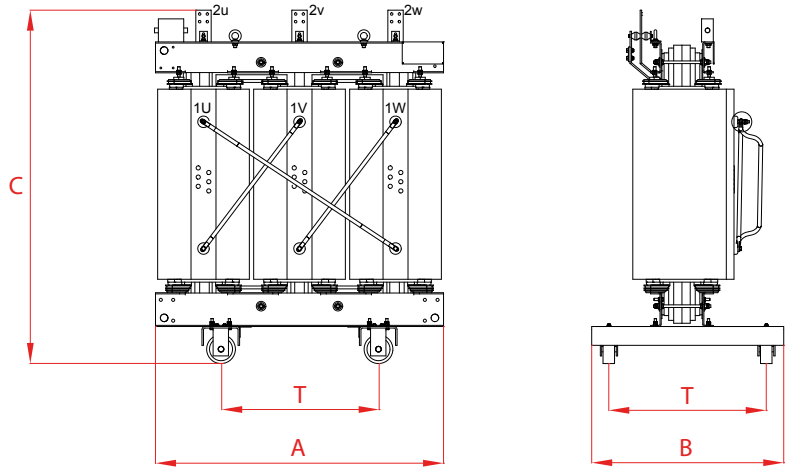
ELECTRICAL CHARACTERISTICS CARATTERISTICHE ELETTRICHE

Power Potenza	*Code* Codice	*Uk* Vcc	Po / Po	Pk / Pcc 75°C	Pk / Pcc 120°C	*Noise Level* Rumore
kVA		[%]	[W]	[W]	[W]	[dB (A)]
100						
160						
200						
250	xxxTTR02500AA	6	1060	3340	3800	58
315	xxxTTR03150AA	6	1330	4050	4600	59
400	xxxTTR04000AA	6	1640	5000	5600	60
500	xxxTTR05000AA	6	1800	5960	6700	60
630	xxxTTR06300AA	6	2110	6940	7800	61
800	xxxTTR08000AA	6	2480	8370	9400	62
1000	xxxTTR10000AA	6	2950	9800	11000	63
1250	xxxTTR12500AA	6	3530	11800	13400	64
1600	xxxTTR16000AA	6,5	3900	14400	16400	66
2000	xxxTTR20000AA	7	4840	17100	19000	68
2500	xxxTTR25000AA	7	6000	20700	23000	69

Tolerances according to IEC/EN standards. **Tolleranze in conformità alle normative IEC/EN.**

MECHANICAL CHARACTERISTICS CARATTERISTICHE MECCANICHE

Power **Potenza** [kVA]	Code **Codice**	Length **Lunghezza** A [mm]	Width **Larghezza** B [mm]	Height **Altezza** C [mm]	Weight **Peso** [kg]	T x T [mm]
100						
160						
200						
250	xxxTTR02500AA	1300	650	1350	1060	520x520
315	xxxTTR03150AA	1400	750	1400	1210	670x670
400	xxxTTR04000AA	1400	750	1450	1260	670x670
500	xxxTTR05000AA	1400	750	1550	1510	670x670
630	xxxTTR06300AA	1550	850	1700	1810	670x670
800	xxxTTR08000AA	1550	850	1800	2110	670x670
1000	xxxTTR10000AA	1600	1000	1900	2510	820x820
1250	xxxTTR12500AA	1600	1000	2050	2910	820x820
1600	xxxTTR16000AA	1700	1000	2200	3760	820x820
2000	xxxTTR20000AA	1950	1350	2250	4560	1070x1070
2500	xxxTTR25000AA	2100	1350	2350	5260	1070x1070



PROTECTIVE HOUSING IP23 BOX DI PROTEZIONE IP23

Power **Potenza** [kVA]	Code **Codice**	Note	Length **Lunghezza** [mm]	Width L **Larghezza** [mm]	Height P **Altezza** [mm]	Weight H **Peso** [kg]
250	xxxBOX02500A		1750	1000	1700	200
315	xxxBOX03150A		1750	1000	1700	200
400	xxxBOX04000A		1950	1200	1900	250
500	xxxBOX05000A		1950	1200	1900	250
630	xxxBOX06300A		1950	1200	1900	250
800	xxxBOX08000A		1950	1200	1900	250
1000	xxxBOX10000A		2200	1300	2300	340
1250	xxxBOX12500A		2200	1300	2300	340
1600	xxxBOX16000A		2200	1300	2300	340
2000	xxxBOX20000A		2500	1400	2600	415
2500	xxxBOX25000A		2500	1400	2600	415

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POWER ENERGY SOLUTIONS
POWEREUROPE

12kV - *EUROPEAN LOSSES*
PERDITE EUROPEE

Standards / **Normative**	CEI 14-4, 14-8 - IEC/EN 60076-11 - CENELEC HD 538.1		
Frequency / **Frequenza**	50 Hz		
Primary Voltage / **Tensione primaria**	6 - 8,4 - 10 - 11 kV	*Insulation Class* / **Classe di isolamento**	12kV / 28kV / BIL 60/75kV
MV Tappings / **Regolazione MT**	± 2 x 2,5%		
Secondary Voltage / **Tensione secondaria**	400 - 410 - 420 V	*Insulation Class* / **Classe di isolamento**	1,1kV / 3kV
Vector group / **Gruppo vettoriale**	Dyn11		
Insulation system / **Sistema isolante**	F / F		
Temperature rise / **Sovratemperatura**	100 / 100 °C		
Ambient temperature / **Temperatura ambiente**	-5 / +40 °C		

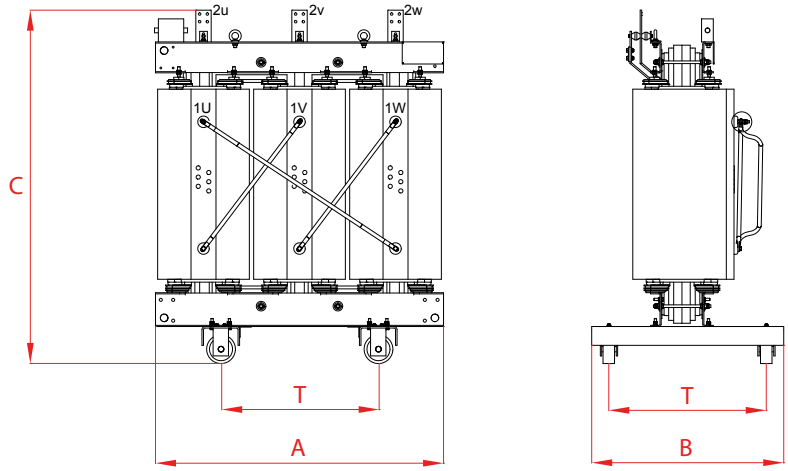
ELECTRICAL CHARACTERISTICS CARATTERISTICHE ELETTRICHE

Power Potenza	*Code* Codice	*Uk* Vcc	Po / Po	Pk / Pcc 75°C	Pk / Pcc 120°C	*Noise Level* Rumore
kVA		[%]	[W]	[W]	[W]	[dB (A)]
100						
160						
200						
250	xxxTTR02500AB	6	520	3340	3800	52
315	xxxTTR03150AB	6	625	4000	4750	53
400	xxxTTR04000AB	6	750	4860	5500	53
500	xxxTTR05000AB	6	910	5650	6465	54
630	xxxTTR06300AB	6	1100	6700	7600	55
800	xxxTTR08000AB	6	1300	7100	8000	57
1000	xxxTTR10000AB	6	1550	8000	9000	58
1250	xxxTTR12500AB	6	1800	9800	11000	59
1600	xxxTTR16000AB	6	2200	11650	13000	60
2000	xxxTTR20000AB	6	2600	17300	16000	61
2500	xxxTTR25000AB	6	3100	17100	19000	63
3150	xxxTTR03150AB	6	3200	19900	22000	74

Tolerances according to IEC/EN standards. Tolleranze in conformità alle normative IEC/EN.

MECHANICAL CHARACTERISTICS CARATTERISTICHE MECCANICHE

Power **Potenza** [kVA]	Code **Codice**	Length **Lunghezza** A [mm]	Width **Larghezza** B [mm]	Height **Altezza** C [mm]	Weight **Peso** [kg]	T x T [mm]
100						
160						
200						
250	xxxTTR02500AB	1300	650	1250	920	520x520
315	xxxTTR03150AB	1300	750	1350	1010	670x670
400	xxxTTR04000AB	1350	750	1350	1210	670x670
500	xxxTTR05000AB	1350	750	1550	1410	670x670
630	xxxTTR06300AB	1550	850	1600	1610	670x670
800	xxxTTR08000AB	1550	850	1750	1960	670x670
1000	xxxTTR10000AB	1600	1000	1850	2310	820x820
1250	xxxTTR12500AB	1600	1000	2050	2710	820x820
1600	xxxTTR16000AB	1700	1000	2200	3310	820x820
2000	xxxTTR20000AB	1850	1350	2300	4010	1070x1070
2500	xxxTTR25000AB	2100	1350	2400	4810	1070x1070



PROTECTIVE HOUSING IP23 BOX DI PROTEZIONE IP23

Power **Potenza** [kVA]	Code **Codice**	Note	Length **Lunghezza** [mm]	Width L **Larghezza** [mm]	Height P **Altezza** [mm]	Weight H **Peso** [kg]
250	xxxBOX02500A		1750	1000	1700	200
315	xxxBOX03150A		1750	1000	1700	200
400	xxxBOX04000A		1950	1200	1900	250
500	xxxBOX05000A		1950	1200	1900	250
630	xxxBOX06300A		1950	1200	1900	250
800	xxxBOX08000A		1950	1200	1900	250
1000	xxxBOX10000A		2200	1300	2300	340
1250	xxxBOX12500A		2200	1300	2300	340
1600	xxxBOX16000A		2200	1300	2300	340
2000	xxxBOX20000A		2500	1400	2600	415
2500	xxxBOX25000A		2500	1400	2600	415

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POWER ENERGY SOLUTIONS
POWEREUROPE

17,5kV - *STANDARD LOSSES*
PERDITE STANDARD

Standards / **Normative**	CEI 14-4, 14-8 - IEC/EN 60076-11 - CENELEC HD 538.1		
Frequency / **Frequenza**	50 Hz		
Primary Voltage / **Tensione primaria**	12 - 13,2 - 15 kV	*Insulation Class* / **Classe di isolamento**	17,5kV / **38kV** / BIL 75/95kV
MV Tappings / **Regolazione MT**	± 2 x 2,5%		
Secondary Voltage / **Tensione secondaria**	400 - 410 - 420 V	*Insulation Class* / **Classe di isolamento**	1,1kV / **3kV**
Vector group / **Gruppo vettoriale**	Dyn11		
Insulation system / **Sistema isolante**	F / F		
Temperature rise / **Sovratemperatura**	100 / 100 °C		
Ambient temperature / **Temperatura ambiente**	-5 / +40 °C		

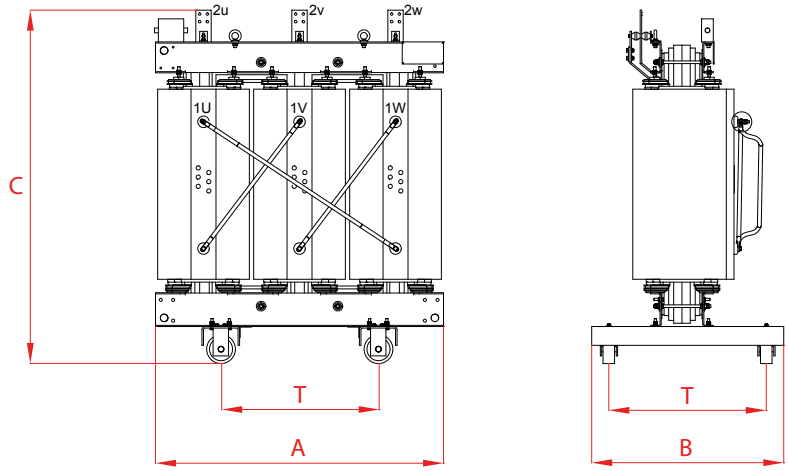
ELECTRICAL CHARACTERISTICS CARATTERISTICHE ELETTRICHE

Power **Potenza**	*Code* **Codice**	*Uk* **Vcc**	Po / **Po**	Pk / **Pcc** 75°C	Pk / **Pcc** 120°C	*Noise Level* **Rumore**
kVA		[%]	[W]	[W]	[W]	[dB (A)]
100						
160						
200						
250	xxxTTR02500BA	6	1060	3340	3800	58
315	xxxTTR03150BA	6	1330	4050	4600	59
400	xxxTTR04000BA	6	1640	5000	5600	60
500	xxxTTR05000BA	6	1800	5960	6700	60
630	xxxTTR06300BA	6	2110	6940	7800	61
800	xxxTTR08000BA	6	2480	8370	9400	62
1000	xxxTTR10000BA	6	2950	9800	11000	63
1250	xxxTTR12500BA	6	3530	11800	13400	64
1600	xxxTTR16000BA	6,5	3900	14400	16400	66
2000	xxxTTR20000BA	7	4840	17100	19000	68
2500	xxxTTR25000BA	7	6000	20700	23000	69

Tolerances according to IEC/EN standards. **Tolleranze in conformità alle normative IEC/EN.**

MECHANICAL CHARACTERISTICS CARATTERISTICHE MECCANICHE

Power **Potenza** [kVA]	Code **Codice**	Length **Lunghezza** A [mm]	Width **Larghezza** B [mm]	Height **Altezza** C [mm]	Weight **Peso** [kg]	T x T [mm]
100						
160						
200						
250	xxxTTR02500BA	1300	650	1350	1060	520x520
315	xxxTTR03150BA	1400	750	1400	1210	670x670
400	xxxTTR04000BA	1400	750	1450	1260	670x670
500	xxxTTR05000BA	1400	750	1600	1510	670x670
630	xxxTTR06300BA	1550	850	1700	1810	670x670
800	xxxTTR08000BA	1550	850	1800	2110	670x670
1000	xxxTTR10000BA	1600	1000	1950	2510	820x820
1250	xxxTTR12500BA	1600	1000	2100	2910	820x820
1600	xxxTTR16000BA	1700	1000	2200	3760	820x820
2000	xxxTTR20000BA	1950	1350	2250	4560	1070x1070
2500	xxxTTR25000BA	2100	1350	2350	5260	1070x1070



PROTECTIVE HOUSING IP23 BOX DI PROTEZIONE IP23

Power **Potenza** [kVA]	Code **Codice**	Note	Length **Lunghezza** [mm]	Width L **Larghezza** [mm]	Height P **Altezza** [mm]	Weight H **Peso** [kg]
250	xxxBOX02500A		1750	1000	1700	200
315	xxxBOX03150A		1750	1000	1700	200
400	xxxBOX04000A		1950	1200	1900	250
500	xxxBOX05000A		1950	1200	1900	250
630	xxxBOX06300A		1950	1200	1900	250
800	xxxBOX08000A		1950	1200	1900	250
1000	xxxBOX10000A		2200	1300	2300	340
1250	xxxBOX12500A		2200	1300	2300	340
1600	xxxBOX16000A		2200	1300	2300	340
2000	xxxBOX20000A		2500	1400	2600	415
2500	xxxBOX25000A		2500	1400	2600	415

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POWER ENERGY SOLUTIONS
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17,5kV - *EUROPEAN LOSSES*
PERDITE EUROPEE

Standards / **Normative**	CEI 14-4, 14-8 - IEC/EN 60076-11 - CENELEC HD 538.1		
Frequency / **Frequenza**	50 Hz		
Primary Voltage / **Tensione primaria**	12 - 13,2 - 15 kV	*Insulation Class* / **Classe di isolamento** 17,5kV / **38kV** / BIL 75/95kV	
MV Tappings / **Regolazione MT**	± 2 x 2,5%		
Secondary Voltage / **Tensione secondaria**	400 - 410 - 420 V	*Insulation Class* / **Classe di isolamento** 1,1kV / **3kV**	
Vector group / **Gruppo vettoriale**	Dyn11		
Insulation system / **Sistema isolante**	F / F		
Temperature rise / **Sovratemperatura**	100 / 100 °C		
Ambient temperature / **Temperatura ambiente**	-5 / +40 °C		

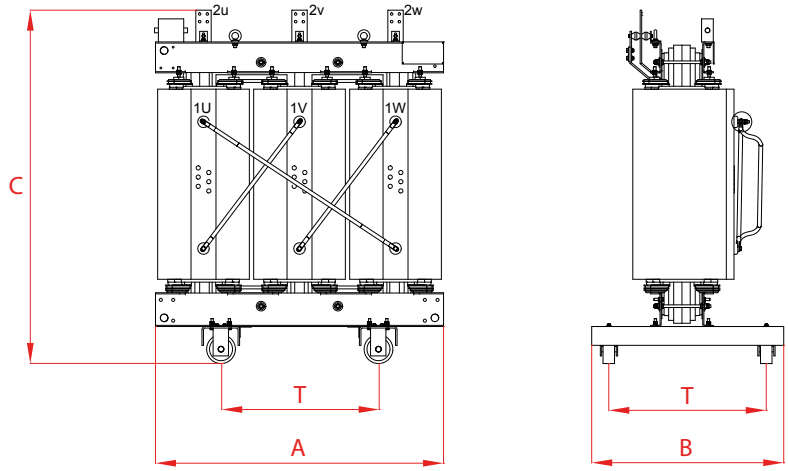
ELECTRICAL CHARACTERISTICS CARATTERISTICHE ELETTRICHE

Power **Potenza**	*Code* **Codice**	*Uk* **Vcc**	Po / **Po**	Pk / **Pcc** 75°C	Pk / **Pcc** 120°C	*Noise Level* **Rumore**
kVA		[%]	[W]	[W]	[W]	[dB (A)]
100						
160						
200						
250	xxxTTR02500BB	6	520	3340	3800	52
315	xxxTTR03150BB	6	625	4000	4750	53
400	xxxTTR04000BB	6	750	4860	5500	53
500	xxxTTR05000BB	6	910	5650	6465	54
630	xxxTTR06300BB	6	1100	6700	7600	55
800	xxxTTR08000BB	6	1300	7100	8000	57
1000	xxxTTR10000BB	6	1550	8000	9000	58
1250	xxxTTR12500BB	6	1800	9800	11000	59
1600	xxxTTR16000BB	6	2200	11650	13000	60
2000	xxxTTR20000BB	6	2600	17300	16000	61
2500	xxxTTR25000BB	6	3100	17100	19000	63
3150	xxxTTR03150BB	6	3200	19900	22000	74

Tolerances according to IEC/EN standards. **Tolleranze in conformità alle normative IEC/EN.**

MECHANICAL CHARACTERISTICS CARATTERISTICHE MECCANICHE

Power **Potenza** [kVA]	Code **Codice**	Length **Lunghezza** A [mm]	Width **Larghezza** B [mm]	Height **Altezza** C [mm]	Weight **Peso** [kg]	T x T [mm]
100						
160						
200						
250	xxxTTR02500BB	1300	650	1300	960	520x520
315	xxxTTR03150BB	1300	750	1350	1060	670x670
400	xxxTTR04000BB	1400	750	1450	1260	670x670
500	xxxTTR05000BB	1400	750	1550	1410	670x670
630	xxxTTR06300BB	1550	850	1650	1710	670x670
800	xxxTTR08000BB	1550	850	1800	2010	670x670
1000	xxxTTR10000BB	1600	1000	1900	2310	820x820
1250	xxxTTR12500BB	1600	1000	20150	2760	820x820
1600	xxxTTR16000BB	1700	1000	2200	3310	820x820
2000	xxxTTR20000BB	1850	1350	2300	4010	1070x1070
2500	xxxTTR25000BB	2000	1350	2350	4960	1070x1070



PROTECTIVE HOUSING IP23 BOX DI PROTEZIONE IP23

Power **Potenza** [kVA]	Code **Codice**	Note	Length **Lunghezza** [mm]	Width L **Larghezza** [mm]	Height P **Altezza** [mm]	Weight H **Peso** [kg]
250	xxxBOX02500A		1750	1000	1700	200
315	xxxBOX03150A		1750	1000	1700	200
400	xxxBOX04000A		1950	1200	1900	250
500	xxxBOX05000A		1950	1200	1900	250
630	xxxBOX06300A		1950	1200	1900	250
800	xxxBOX08000A		1950	1200	1900	250
1000	xxxBOX10000A		2200	1300	2300	340
1250	xxxBOX12500A		2200	1300	2300	340
1600	xxxBOX16000A		2200	1300	2300	340
2000	xxxBOX20000A		2500	1400	2600	415
2500	xxxBOX25000A		2500	1400	2600	415

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POWER ENERGY SOLUTIONS
POWEREUROPE

24kV - *STANDARD LOSSES*
PERDITE STANDARD

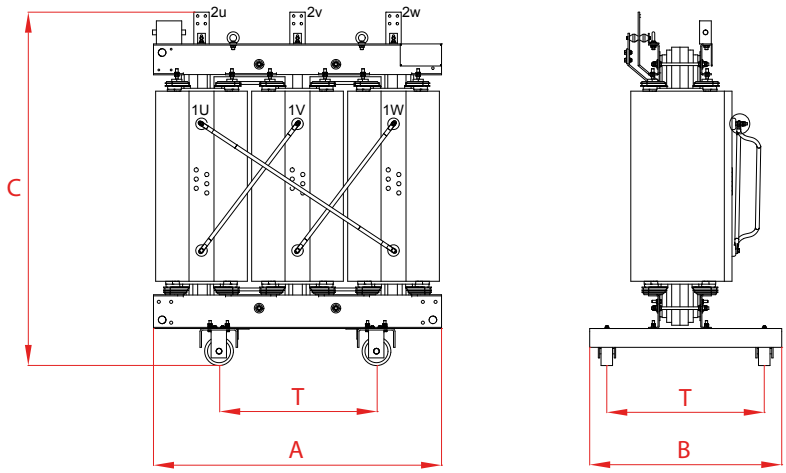
Standards / **Normative**	CEI 14-4, 14-8 - IEC/EN 60076-11 - CENELEC HD 538.1	
Frequency / **Frequenza**	50 Hz	
Primary Voltage / **Tensione primaria**	20 - 23 kV	*Insulation Class* / Classe di isolamento 24kV / 50kV / BIL 95/125kV
MV Tappings / **Regolazione MT**	± 2 x 2,5%	
Secondary Voltage / **Tensione secondaria**	400 - 410 - 420 V	*Insulation Class* / Classe di isolamento 1,1kV / 3kV
Vector group / **Gruppo vettoriale**	Dyn11	
Insulation system / **Sistema isolante**	F / F	
Temperature rise / **Sovratemperatura**	100 / 100 °C	
Ambient temperature / **Temperatura ambiente**	-5 / +40 °C	

ELECTRICAL CHARACTERISTICS CARATTERISTICHE ELETTRICHE						
Power Potenza	*Code* Codice	*Uk* Vcc	Po / Po	Pk / Pcc 75°C	Pk / Pcc 120°C	*Noise Level* Rumore
kVA		[%]	[W]	[W]	[W]	[dB (A)]
100						
160						
200						
250	xxxTTR02500CA	6	1220	3340	3800	58
315	xxxTTR03150CA	6	1480	4050	4600	59
400	xxxTTR04000CA	6	1750	5000	5600	60
500	xxxTTR05000CA	6	2010	5960	6720	60
630	xxxTTR06300CA	6	2430	6940	7800	61
800	xxxTTR08000CA	6	2740	8370	9400	62
1000	xxxTTR10000CA	6	3270	9800	11000	63
1250	xxxTTR12500CA	6	3740	11800	13400	64
1600	xxxTTR16000CA	6,5	4420	14400	16400	66
2000	xxxTTR20000CA	7	5370	17100	19000	68
2500	xxxTTR25000CA	7	6630	20700	23000	69

Tolerances according to IEC/EN standards. Tolleranze in conformità alle normative IEC/EN.

MECHANICAL CHARACTERISTICS CARATTERISTICHE MECCANICHE

Power **Potenza** [kVA]	Code **Codice**	Length **Lunghezza** A [mm]	Width **Larghezza** B [mm]	Height **Altezza** C [mm]	Weight **Peso** [kg]	T x T [mm]
100						
160						
200						
250	xxxTTR02500CA	1400	650	1400	1160	520x520
315	xxxTTR03150CA	1400	750	1450	1260	670x670
400	xxxTTR04000CA	1550	750	1550	1460	670x670
500	xxxTTR05000CA	1550	750	1600	1660	670x670
630	xxxTTR06300CA	1550	850	1750	1960	670x670
800	xxxTTR08000CA	1600	850	1900	2360	670x670
1000	xxxTTR10000CA	1700	1000	2000	2810	820x820
1250	xxxTTR12500CA	1700	1000	2100	3260	820x820
1600	xxxTTR16000CA	1850	1000	2300	3960	820x820
2000	xxxTTR20000CA	1950	1350	2300	4910	1070x1070
2500	xxxTTR25000CA	2100	1350	2350	5660	1070x1070



PROTECTIVE HOUSING IP23 BOX DI PROTEZIONE IP23

Power **Potenza** [kVA]	Code **Codice**	Note	Length **Lunghezza** [mm]	Width L **Larghezza** [mm]	Height P **Altezza** [mm]	Weight H **Peso** [kg]
250	xxxBOX02500A		1750	1000	1700	200
315	xxxBOX03150A		1750	1000	1700	200
400	xxxBOX04000A		1950	1200	1900	250
500	xxxBOX05000A		1950	1200	1900	250
630	xxxBOX06300A		1950	1200	1900	250
800	xxxBOX08000A		1950	1200	1900	250
1000	xxxBOX10000A		2200	1300	2300	340
1250	xxxBOX12500A		2200	1300	2300	340
1600	xxxBOX16000A		2200	1300	2300	340
2000	xxxBOX20000A		2500	1400	2600	415
2500	xxxBOX25000A		2500	1400	2600	415

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24kV - *EUROPEAN LOSSES*
PERDITE EUROPEE

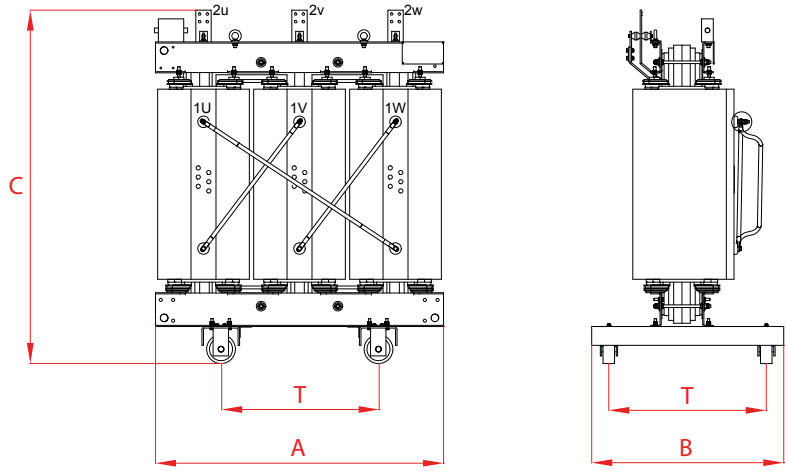
Standards / **Normative**	CEI 14-4, 14-8 - IEC/EN 60076-11 - CENELEC HD 538.1	
Frequency / **Frequenza**	50 Hz	
Primary Voltage / **Tensione primaria**	20 - 23 kV	*Insulation Class* / **Classe di isolamento** 24kV / 50kV / BIL 95/125kV
MV Tappings / **Regolazione MT**	± 2 x 2,5%	
Secondary Voltage / **Tensione secondaria**	400 - 410 - 420 V	*Insulation Class* / **Classe di isolamento** 1,1kV / 3kV
Vector group / **Gruppo vettoriale**	Dyn11	
Insulation system / **Sistema isolante**	F / F	
Temperature rise / **Sovratemperatura**	100 / 100 °C	
Ambient temperature / **Temperatura ambiente**	-5 / +40 °C	

ELECTRICAL CHARACTERISTICS CARATTERISTICHE ELETTRICHE						
Power **Potenza**	*Code* **Codice**	*Uk* **Vcc**	Po / **Po**	Pk / **Pcc** 75°C	Pk / **Pcc** 120°C	*Noise Level* **Rumore**
kVA		[%]	[W]	[W]	[W]	[dB (A)]
100						
160						
200						
250	xxxTTR02500CB	6	520	3340	3800	52
315	xxxTTR03150CB	6	625	4000	4750	53
400	xxxTTR04000CB	6	750	4860	5500	53
500	xxxTTR05000CB	6	910	5650	6465	54
630	xxxTTR06300CB	6	1100	6700	7600	55
800	xxxTTR08000CB	6	1300	7100	8000	57
1000	xxxTTR10000CB	6	1550	8000	9000	58
1250	xxxTTR12500CB	6	1800	9800	11000	59
1600	xxxTTR16000CB	6	2200	11650	13000	60
2000	xxxTTR20000CB	6	2600	17300	16000	61
2500	xxxTTR25000CB	6	3100	17100	19000	63
3150	xxxTTR03150CB	6	3200	19900	22000	74

Tolerances according to IEC/EN standards. **Tolleranze in conformità alle normative IEC/EN.**

MECHANICAL CHARACTERISTICS CARATTERISTICHE MECCANICHE

Power **Potenza** [kVA]	Code **Codice**	Length **Lunghezza** A [mm]	Width **Larghezza** B [mm]	Height **Altezza** C [mm]	Weight **Peso** [kg]	T x T [mm]
100						
160						
200						
250	xxxTTR02500CB	1400	650	1300	1010	520x520
315	xxxTTR03150CB	1400	750	1400	1210	670x670
400	xxxTTR04000CB	1550	750	1500	1360	670x670
500	xxxTTR05000CB	1550	750	1600	1510	670x670
630	xxxTTR06300CB	1550	850	1700	1810	670x670
800	xxxTTR08000CB	1600	850	1850	2110	670x670
1000	xxxTTR10000CB	170	1000	1950	2510	820x820
1250	xxxTTR12500CB	1700	1000	2050	2910	820x820
1600	xxxTTR16000CB	1800	1000	2250	3560	820x820
2000	xxxTTR20000CB	1950	1350	2350	4310	1070x1070
2500	xxxTTR25000CB	2000	1350	2350	5260	1070x1070



PROTECTIVE HOUSING IP23 BOX DI PROTEZIONE IP23

Power **Potenza** [kVA]	Code **Codice**	Note	Length **Lunghezza** [mm]	Width L **Larghezza** [mm]	Height P **Altezza** [mm]	Weight H **Peso** [kg]
250	xxxBOX02500A		1750	1000	1700	200
315	xxxBOX03150A		1750	1000	1700	200
400	xxxBOX04000A		1950	1200	1900	250
500	xxxBOX05000A		1950	1200	1900	250
630	xxxBOX06300A		1950	1200	1900	250
800	xxxBOX08000A		1950	1200	1900	250
1000	xxxBOX10000A		2200	1300	2300	340
1250	xxxBOX12500A		2200	1300	2300	340
1600	xxxBOX16000A		2200	1300	2300	340
2000	xxxBOX20000A		2500	1400	2600	415
2500	xxxBOX25000A		2500	1400	2600	415

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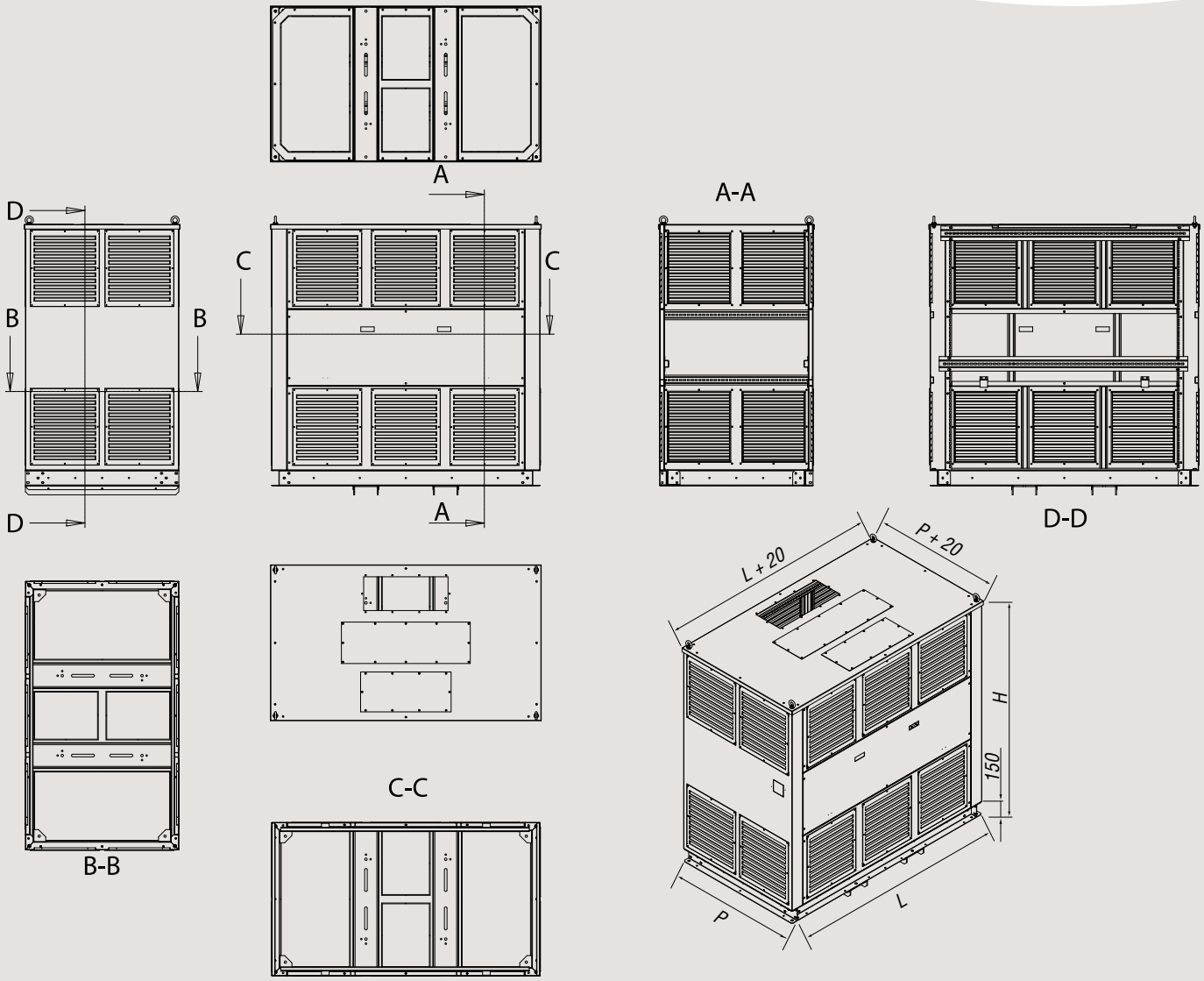
PROTECTIVE HOUSING
BOX DI PROTEZIONE



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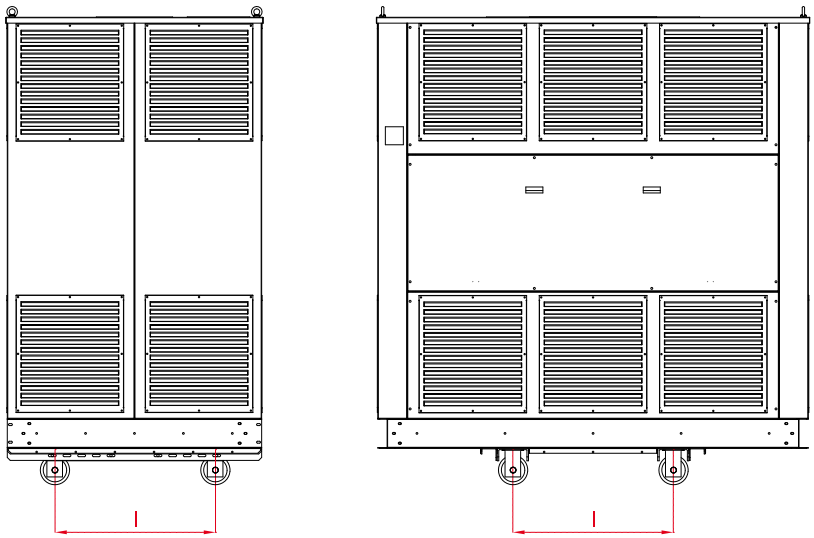
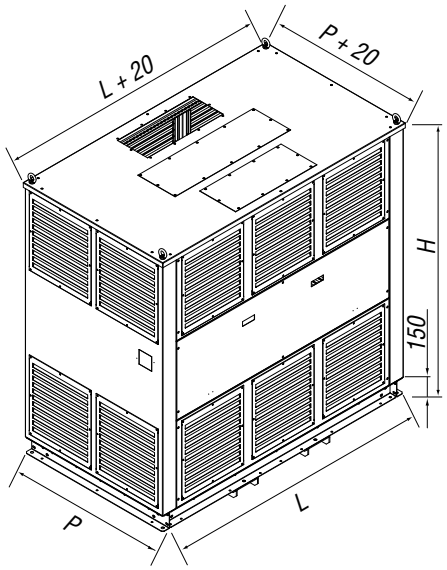
Type Tipologie	Length L Lunghezza	Width P Larghezza	Height H Altezza	l x l (mm)	IP23
I	1750	1000	1700	520x520	200
II	1950	1200	1900	670x670	240
III	2200	1300	2300	820x820	340
IV	2200	1300	2600	1070x1070	340
V	2500	1300	2700	1070x1070	340

Tolerances according to IEC/EN standards. Tolleranze in conformità alle normative IEC/EN.





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Certificate No.: 39 00 0371702

TÜV Rheinland

Certificate Holder: **Power Europe**

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36040 Meledo
Italy

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MCC and
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Via Angelo Scbiatti, 12
36040 Meledo Di Sarego VI ITALY

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Submitter: None
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File No: E480445
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SO No: 18002722
Type: B
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RAPPORTO DI PROVA
TEST REPORT

Rapporto n. / Report n. 175/2018 | Rev. 00 | Data emissione / Issue date 14/03/2018 | Pag. 1 / 47

Titolo / Title

Shock test on "TRANSFORMER - M.P. 314TS2110" executed according to MIL-S-901 D (NAVY):1989.

Autori / Authors

F.Gaggero; E.Agos

Sommario / Abstract

In questo rapporto vengono
M.P. 314TS2110" prodotto d

Le prove sono state realizz
Trigoso, per conto della soci

This report describes the re
314TS2110". Item tested was

Tests have been carried out
Trigoso, on behalf of Power Eu

Autori / Authors

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RAPPORTO DI PROVA
TEST REPORT

Rapporto n. / Report n. 152/2017 | Rev. 00 | Data emissione / Issue date 24/01/2018 | Pag. 1 / 44

Titolo / Title

Shock test on "TRANSFORMER - M.P. 314TF1240 170285028" executed according to MIL-S-901 D (NAVY):1989.

Autori / Authors

L.Bianchi; E. Agosti

Sommario / Abstract

In questo rapporto vengono descritti i risultati delle prove d'urto eseguite il 28 Novembre 2017 su un "TRASFORMATORE - M.P. 314TF1240 170285028" prodotto da Power Europe Srl.

Le prove sono state realizzate utilizzando la macchina d'urto per pesi medi del Laboratorio CETENA di Riva Trigoso, per conto della società Power Europe Srl.

This report describes the results of shock test performed on November 28th 2017, on a "TRANSFORMER - M.P. 314TF1240 170285028". Item tested was supplied by Power Europe Srl.

Tests have been carried out using medium-weight shock machine located at the CETENA's laboratory in Riva Trigoso, on behalf of Power Europe Srl.

Autori / Authors

Il Responsabile del Laboratorio / Head of Laboratory

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