

E1S/2

ALTERNATORI TRIFASE 2 POLI CON SPAZZOLE E REGOLAZIONE COMPOUND
 THREE-PHASE 2 POLES ALTERNATORS WITH BRUSHES AND COMPOUND REGULATION
 ALTERNADORES TRIFÁSICOS 2 POLOS CON ESCOBILLAS Y REGULACIÓN COMPOUND.



TIPO - TYPE	50 Hz - 3000 giri/1' - $\cos\phi = 0,8$						60 Hz - 3600 giri/1' - $\cos\phi = 0,8$							
	Potenza resa Rating kVA		Rendimento % Efficiency %		Potenza assorbita Driving power		Cap. Avv Start. Cap.	Potenza resa Rating kVA		Rendimento % Efficiency %		Potenza assorbita Driving power		Cap. Avv Start. Cap.
	4/4	3/4	kW	Hp	kVA	kVA	4/4	3/4	kW	Hp	kVA			
E1S13M E/2	27	87.0	87.5	24.8	33.3	75	32.4	87.5	88.0	29.6	39.7	95		

TIPO - TYPE	Potenza resa Rating kVA		ρ_{CC}	Reattanze e costanti di tempo / Reactances and time constants							Resistenza avv. princ. a 20°C Main winding resistance at 20°C
	50 Hz	60 Hz		Xd%	X'd%	X''d%	Xq%	T'do (ms)	T'd (ms)	T''do (ms)	
	E1S13M E/2	27		32.4	0.40	350	31	11.0	152	610	

VOLTAGE

Standard 230/400V, 50 Hz and 277/480V, 60 Hz with delta/star connection. Special voltage at 50Hz or 60Hz on request.

VOLTAGE ACCURACY

$\pm 4\%$ from no load to full load, $\cos\phi = 0.8$ at constant rotation speed.

SHORT CIRCUIT CURRENT

In case of short circuit the permanent current exceeds rated current by three times.

OVERLOAD

10% overload for one hour every 6 hours is accepted. Short overloads can be very high (three times the rated current).

ASYNCHRONOUS MOTORS

STARTING

1 HP per KVA of the generator can be started.

SINGLE PHASE OPERATION

The single-phase output on the reinforced phase (white phase) with star connection is 60% of the three phase rated power for E1S10 and E1S11, whereas for E1S13 is 40%. With delta connection the single phase output on the reinforced phase is 65%.

FORMA D'ONDA DELLA TENSIONE D'USCITA

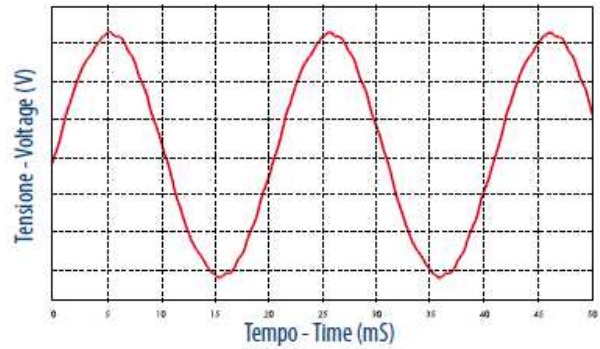
Il basso contenuto armonico (<5%) permette di alimentare qualsiasi tipo di carico compresi quelli distortanti.

OUTPUT VOLTAGE WAVE FORM

The low harmonic content (<5%) allows supplying any type of load, including distorting loads.

FORMA DE ONDA DE LA TENSIÓN DE SALIDA

El bajo contenido armónico (<5%) permite alimentar cualquier tipo de carga, incluso no lineales.

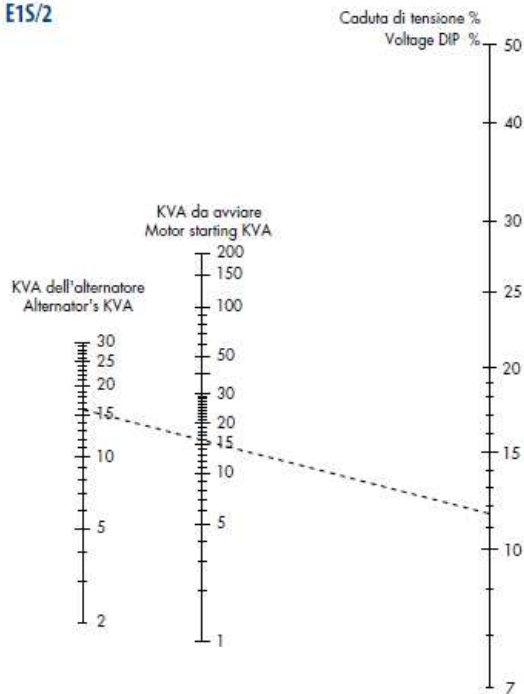


CADUTA DI TENSIONE TRANSITORIA (A VELOCITA' NOMINALE) ALL'AVVIAMENTO DI MOTORI ASINCRONI

TRANSIENT VOLTAGE DIP (AT RATED SPEED) WHEN ASYNCHRONOUS MOTORS ARE STARTED

CAÍDA DE TENSIÓN TRANSITORIA (A VELOCIDAD NOMINAL) AL ARRANQUE DE LOS MOTORES ASÍNCRONOS

E1S/2

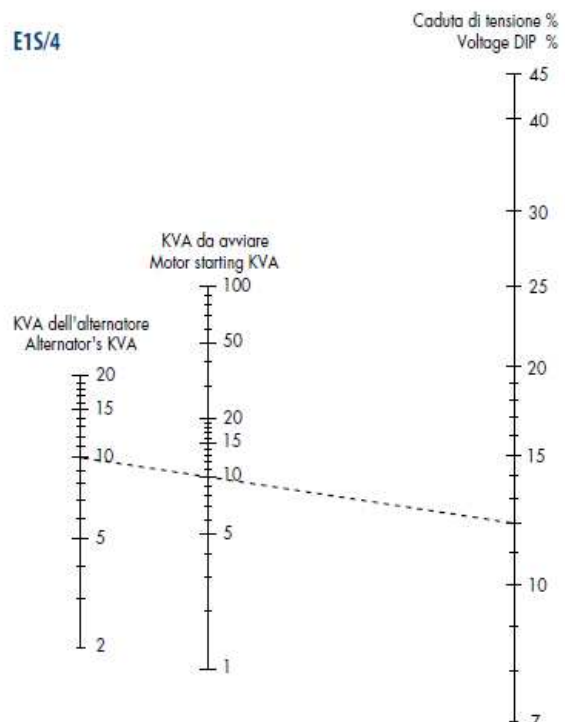


Esempio: nell'avviamento di un motore che assorbe allo spunto 16 KVA con un generatore da 16 KVA ci sarà una caduta di tensione del 11,5 %.

Example: 16 KVA starting load with 16 KVA alternator will give approx. a 11.5% voltage dip.

Ejemplo: en la puesta en marcha de un motor eléctrico que absorbe en el arranque 16 KVA, con un generador de 16 KVA se tendrá una caída de tensión del 11.5%.

E1S/4



Esempio: nell'avviamento di un motore che assorbe allo spunto 10 KVA con un generatore da 10 KVA ci sarà una caduta di tensione del 12 %.

Example: 10 KVA starting load with 10 KVA alternator will give approx. a 12% voltage dip.

Ejemplo: en la puesta en marcha de un motor eléctrico que absorbe en el arranque 10 KVA, con un generador de 10 KVA se tendrá una caída de tensión del 12%.