



CTP 3

3 PHASE 2 POLE

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Compound - Brushless Generators

CARATTERISTICHE / CHARACTERISTICS / CARACTERISTIQUES / TECNICHE MERKMALE / CHARACTERISTICAS

POTENZE 230/400 V. A 3000 RPM-50 Hz			POWER 230/400 V. AT 3000 RPM -50 Hz			PUISSANCE 230/400 V. 3000 RPM -50 Hz			LEISTUNG 230/400 V. 3000 RPM -50 Hz		POTENCIAS 230/400 V. 3000 RPM-50 Hz				
CL. H (ΔT=125°C)												CL. F (ΔT=105°C)		CL. H (ΔT=125°C)	
Tipo type typ	TRIFASE/THREE- PHASE/TRIPHASE DREIPHASING TRIFASICO			RENDIMENTO / EFFICIENCY/ RENDEMENT/ WIRKUNGSGRAD / RENDIMIENTOS (%) cl.H			TRIFASE/THREE- PHASE/TRIPHASE DREIPHASING TRIFASICO		MONOFASE/SINGLE- PHASE/EINE-PHASE/ EINEPHASING MONOFASICO			T.H.D. L-L %			
	KVA	Kw p.f. 0,8	Motor starting	2/4	3/4	4/4	KVA	Kw p.f. 0,8	KVA KW	Motor starting					
CTP3-1S/2	8	6,4	KVA 25	74	76,5	76	7,2	5,76	6	KVA 18		<5%			
CTP3-2S/2	10	8	KVA 32	75	79	78	9	7,2	7,5	KVA 22		<5%			
CTP3-3S/2	12	9,6	KVA 38	78,5	81,5	81	11	8,8	9	KVA 27		<5%			
CTP3-1L/2	15	12	KVA 48	80	84	83,5	14	11,2	11	KVA 32		<5%			
CTP3-1L/2	17,5	14	KVA 53	81,5	85	85	16,5	13,2	12,6	KVA 34		<5%			

POTENZE 277/480 V. A 3600 RPM-60 Hz			POWER 277/480 V. AT 3600 RPM -60 Hz			PUISSANCE 277/480 V. 3600 RPM -60 Hz			LEISTUNG 277/480 V. 3600 RPM -60 Hz		POTENCIAS 277/480 V. 3600 RPM-60 Hz				
CL. H (ΔT=125°C)												CL. F (ΔT=105°C)		CL. H (ΔT=125°C)	
Tipo type typ	TRIFASE/THREE- PHASE/TRIPHASE DREIPHASING TRIFASICO			RENDIMENTO / EFFICIENCY/ RENDEMENT/ WIRKUNGSGRAD / RENDIMIENTOS (%) cl.H			TRIFASE/THREE- PHASE/TRIPHASE DREIPHASING TRIFASICO		MONOFASE/SINGLE- PHASE/EINE-PHASE/ EINEPHASING MONOFASICO			T.H.D. L-L %			
	KVA	Kw p.f. 0,8	Motor starting	2/4	3/4	4/4	KVA	Kw p.f. 0,8	KVA KW	Motor starting					
CTP3-1S/2	9,6	7,7	KVA 30	75,5	78	77,5	7,3	5,8	7,2	KVA 21		<5%			
CTP3-2S/2	12	9,6	KVA 38,5	76,5	80,5	79,5	9	7,2	9	KVA 26		<5%			
CTP3-3S/2	14,4	11,6	KVA 45,5	80	83	82,5	11	8,8	10,8	KVA 32		<5%			
CTP3-1L/2	18	14,4	KVA 57,5	81,5	85,5	85	14,5	11,6	13,2	KVA 38		<5%			
CTP3-2L/2	21	16,8	KVA 63,5	83	86,5	86,5	17	13,6	15,1	KVA 40		<5%			

Tipo type typ	J (Kgm ²)			Massa - Weight Poids - Gewicht (Kg.)			Volume d'aria/ Air Vol. /Vol.D'air/Luftmenge (m ³ /min.)		Rumore/Noise/Bruit/Gerausch /Ruido/Rausch dB (A)				COUPLING DISCS	
	B3/B14	B3/B9	MD35	B3/B14	B3/B9	MD35	50Hz	60Hz	1mt.	7mt.	1mt.	7mt.	SAE N°	J(Kgm2)*
CTP3-1S/2	0,0365	0,0354	0,0359	53	51	57	6,4	7,8	85	70	89	73	6 1/2	0,0067
CTP3-2S/2	0,0395	0,0394	0,0398	59	57	63	6,3	7,8					7 1/2	0,0103
CTP3-3S/2	0,0456	0,0455	0,0459	65	63	69	6,2	7,8					8	0,0171
CTP3-1L/2	0,0515	0,0514	0,0519	74	72	78	6	7,2					10	0,0319
CTP3-2L/2	0,0573	0,0572	0,0577	80	78	84	5,8	6,8					11 1/2	0,0481

Type		CTP3-1S/2	CTP3-2S/2	CTP3-3S/2	CTP3-1L/2	CTP3-2L/2
Rating "H" class	kVA 50 Hz	8	10	12	15	17,5
Direct-axis synchronous reactance	X _d %	345	305	244	195	164
Direct-axis transient reactance	X' _d %	34	31,5	33	26,9	22,6
Direct-axis subtransient reactance	X'' _d %	19	16,3	16,5	14,6	12,3
Quadrature-axis synchronous reactance	X _q %	93	91	94	91,5	98
Quadrature-axis transient reactance	X' _q %	93	91	94	91,5	98
Quadrature-axis subtransient reactance	X'' _q %	42,1	36,6	37,4	36,9	31
Negative - sequence reactance	X ₂ %	18	18,5	17,4	17	16,5
Zero sequence reactance	X ₀ %	7	6,8	6,2	5,5	5,1
transient time constant	T' _d (ms)	68	72	43	62	55
Subtransient time constant	T'' (ms)	14	12	10	14	10
Armature time constant	T (ms)	5	5	9	12	10
Open circuit time constant	T' _{do} (s)	0,6	0,65	0,68	0,71	0,77
short - circuit ratio	K _{cc}	0,45	0,48	0,51	0,55	0,63
Stator winding resistance	ohm	1,562	0,998	0,702	0,509	0,358

ACCESSORIES

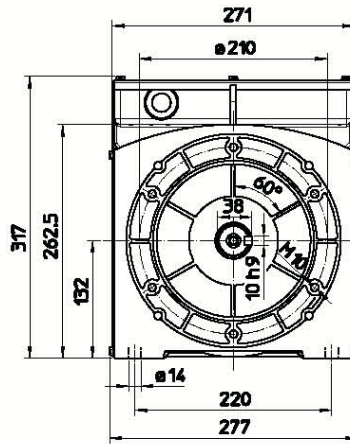
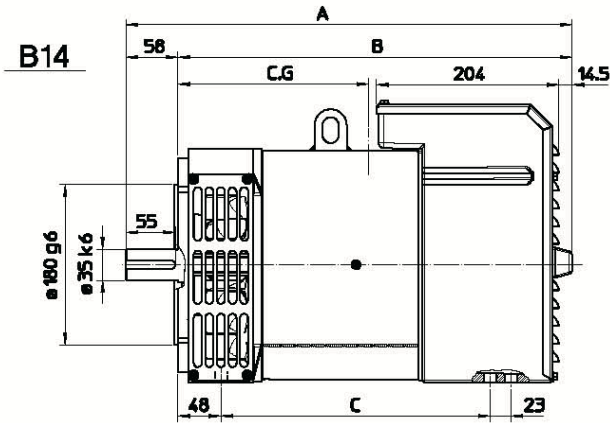
● = Standard
□ = Optional

REGULATOR COMPOUND TRANS.	PARALLEL DEVICE	THERMAL PROTECTION			HEATERS	MECHANICAL PROTECTION		
		PTC	BIMET.DEVICE	PT 100		IP 21	IP 23	IP 45
●		□	□	□	□	●	□	

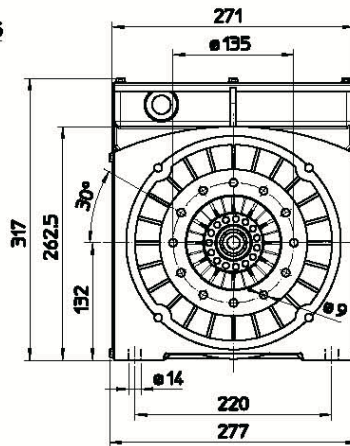
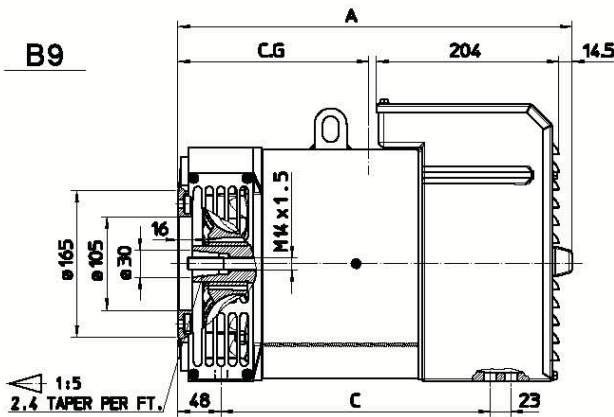


DIMENSIONI DI INGOMBRO/OVERALL DIMENSIONS/DIMENSIONS D'ENCOMBREMENT/BAUMASSE/
DIMENSIONES MAXIMAS

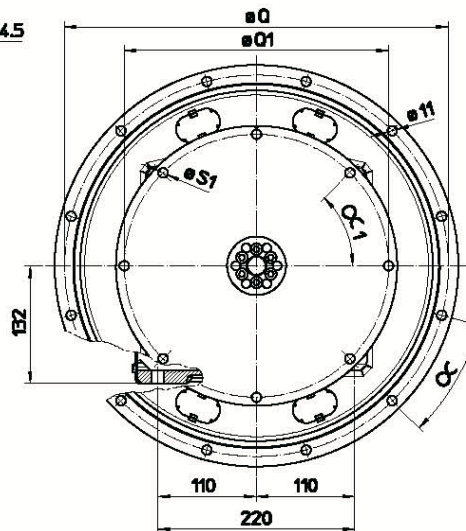
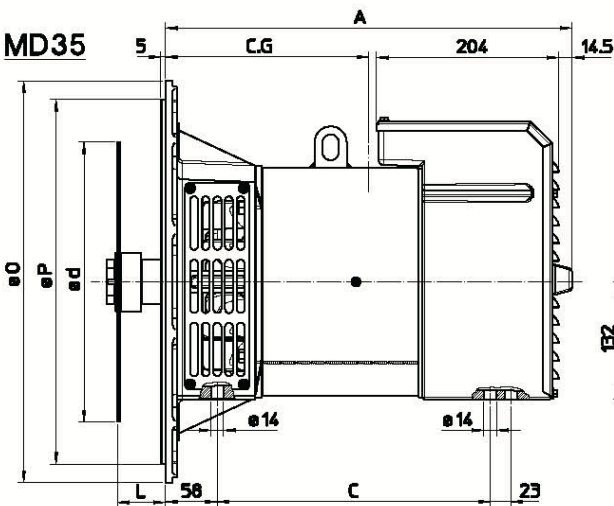
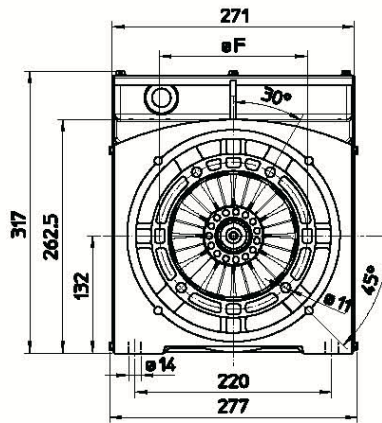
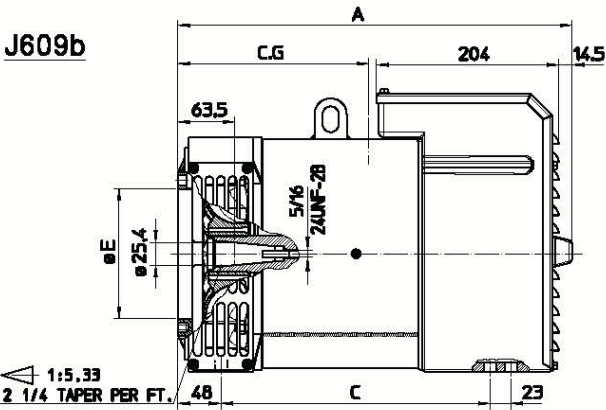
Dimensions in mm.



FORM	TYPE	A	B	C	E	F
B3B14	S	498	440	301	/	/
	L	568	510	371	/	/
B9	S	440	/	301	/	/
	L	510	/	371	/	/
J609b	S	440	/	301	146.1	165.1
	L	510	/	371	163.6	196.8
MD35	S	454	/	305	/	/
	L	524	/	375	/	/



		C.G. = CENTRO GRAVITA GRAVITY CENTER			
		B3B14	B9	J609b	MD35
2 POLE	1L	237	264	265	261
	2L	246	251	252	250



FLANGE					
SAE	Q	P	Q	Fori n° Holes n°	α
6	308	266.7	285.75	8	22°30'
5	356	314.3	333.4	8	22°30'
4	403	362	381	12	15°
3	451	409.6	428.6	12	15°

COUPLING DISCS						
SAE	L	d	Q1	Holes n°	S1	α
6 †	30.2	215.9	200	6	9	60°
7 †	30.2	241.3	222.25	8	9	45°
8	62	263.52	244.47	6	11	60°
10	53.8	314.52	295.27	8	11	45°
11 †	39.6	352.42	333.37	8	11	45°