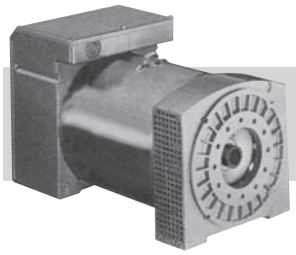


meccalte

Member of CISQ Federation RINA ISO 9001:2008 Certified Quality System

BTP3

MECCALTE spa - Via Roma, 20 - 36051 CREAZZO (VI) ITALIA
Tel. +39 0444/396111 - Fax +39 0444/396166 - e-mail : info@meccalte.it
web site: www.meccalte.com

3 PHASE
4 POLE
IP 23

Compound - Brush Generators

CHARACTERISTICS

POWER 230/400 V
AT 1500 RPM - 50 Hz

Type	CL. H (Δ T=125°C)						CL. F (Δ T=105°C)		CL. H (Δ T=125°C)		T.H.D.
	THREE-PHASE		MOTOR STARTING	EFFICIENCY			THREE-PHASE		SINGLE-PHASE		
	KVA	KW cos φ 0,8		2/4 %	3/4 %	4/4 %	KVA	KW cos φ 0,8	KVA KW	MOTOR STARTING	%
BTP3-1S/4	**7**	5,6	KVA 32,5	76	80	79,4	6,5	5,2	5	KVA 24	< 3,5
BTP3-2S/4	**9**	7,2	KVA 40	78	82	81,2	8	6,4	6,5	KVA 30	< 3,5
BTP3-1L/4	**11**	8,8	KVA 50	82	84,2	83,9	10	8	8	KVA 38	< 3,5
BTP3-2L/4	**13**	10,4	KVA 62,5	83	85	83,9	12	9,6	9,5	KVA 45	< 3,5
BTP3-3L/4	**15**	12	KVA 65	84	85,5	84,4	14	11,2	11	KVA 50	< 3,5

POWER 277/480 V
AT 1800 RPM - 60 Hz

Type	CL. H (Δ T=125°C)						CL. F (Δ T=105°C)		CL. H (Δ T=125°C)		T.H.D.
	THREE-PHASE		MOTOR STARTING	EFFICIENCY			THREE-PHASE		SINGLE-PHASE		
	KVA	KW cos φ 0,8		2/4 %	3/4 %	4/4 %	KVA	KW cos φ 0,8	KVA KW	MOTOR STARTING	%
BTP3-1S/4	**8,4**	6,7	KVA 39	77,5	81,5	80,9	7,8	6,2	6	KVA 28	< 3,5
BTP3-2S/4	**10,8**	8,6	KVA 48	79,2	83,1	82,6	9,6	7,7	7,8	KVA 36	< 3,5
BTP3-1L/4	**13,2**	10,6	KVA 60	83	85,6	85,3	12	9,6	9,6	KVA 45	< 3,5
BTP3-2L/4	**15,6**	12,5	KVA 75	83,5	85,7	85,4	14,4	11,5	11,4	KVA 54	< 3,5
BTP3-3L/4	**18**	14,4	KVA 78	85	87	85,9	16,8	13,4	13,2	KVA 60	< 3,5

Type	J (Kgm²)			Peso (Kg)			Air Volume (m³/min)		Noise dB(A) 50 Hz		60 Hz		COUPLING DISCS	
	B3/B14	B3/B9	MD35	B3/B14	B3/B9	MD35	50 Hz	60 Hz	1m	7m	1m	7m	SAE N°	J(kgm²)*
BTP3-1S/4	0,0455	0,0452	0,0458	52	49	56	4,2	5,1	72	58	78	60	6 1/2	0,0067
BTP3-2S/4	0,0556	0,0554	0,0559	58	55	62	4,1	5					7 1/2	0,0103
BTP3-1L/4	0,0624	0,0622	0,0628	67	64	71	4	5					8	0,0171
BTP3-2L/4	0,0688	0,0686	0,0692	72	69	76	3,9	4,9					10	0,0319
BTP3-3L/4	0,0752	0,0750	0,0756	77	74	81	3,9	4,9					11 1/2	0,0481

*The J value of form MD35 is obtained by summing the J of the MD35 form with the J of the chosen SAE coupling discs.

Type		BTP3-1S/4	BTP3-2S/4	BTP3-1L/4	BTP3-2L/4	BTP3-3L/4
Rating "H" class	kVA 50 Hz	7	9	11	13	15
Direct - axis synchronous reactance	Xd %	157	179	170	158	160
Direct - axis transient reactance	X'd %	15,4	16	17	18,9	18
Direct - axis subtransient reactance	X''d %	13	11,5	12	12,1	11
Quadrature - axis synchronous reatance	Xq %	55	58	61	63	64
Quadrature- axis transient reactance	X'q %	55	58	61	63	64
Quadrature-axis subtransient reactance	X''q %	63	63	63	56	58
Negative - sequence reactance	X_2 %	16,5	17	17,3	17,7	17,8
Zero sequence reactance	Xo %	6,6	6,4	6,3	5,8	5,6
Transient time constant	T'd (ms)	28	18	38	46	50
Subtransient time constant	T''d (ms)	27	12	14	10	10
Armature time constant	T α (ms)	12	13	48	11	12
Open circuit time constant	T'do (s)	0,78	0,8	0,81	0,83	0,85
Short - circuit ratio	Kcc	1,08	0,87	0,93	1,04	0,97
Stator winding resistance	Ω	1,86	1,46	1,02	0,69	0,67

ACCESSORIES

REGULATOR	PARALLEL DEVICE	THERMAL PROTECTION			HEATERS	MECHANICAL PROTECTION			
COMPOUND TRANS.		PTC	BIMET DEVICE.	PT100		IP21	IP23	IP45	IP55
●		□	□	□	□		●	□	□

● = Standard □ = Optional

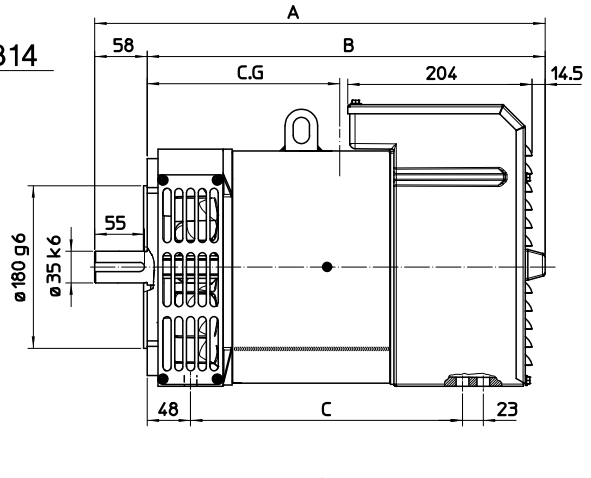
CE

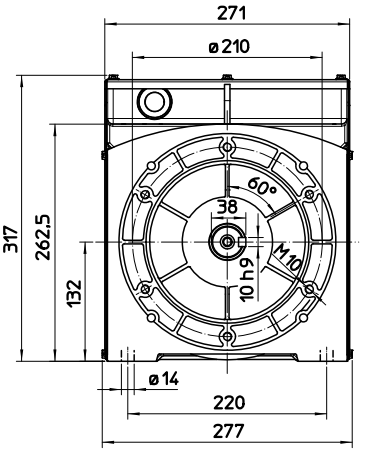
cULus INSULATION SYSTEM

OVERALL DIMENSIONS

dimensions in mm

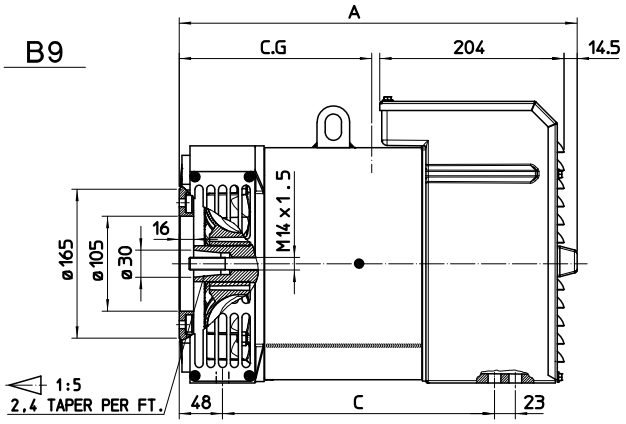
B14

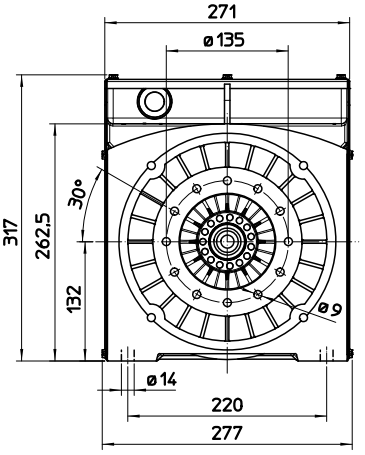




FORM	TYPE	A	B	C	E	F
B3B14	S	498	440	301	/	/
	L	568	510	371	/	/
B9	S	440	/	301	/	/
	L	510	/	371	/	/
J609b	S	440	/	301	146,1	165,1
					163.6	196,8
	L	510	/	371	177,8	196,8
MD35	S	454	/	305	/	/
	L	524	/	375	/	/

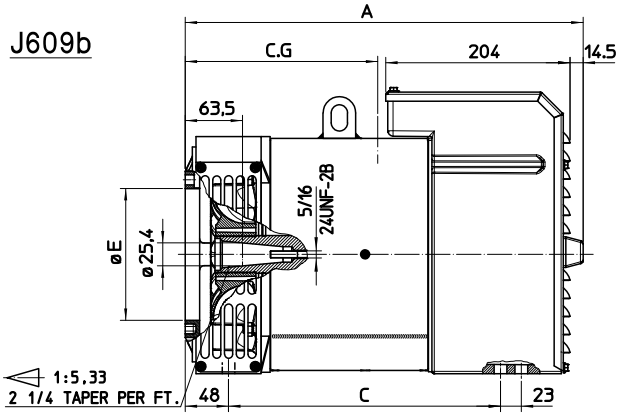
B9

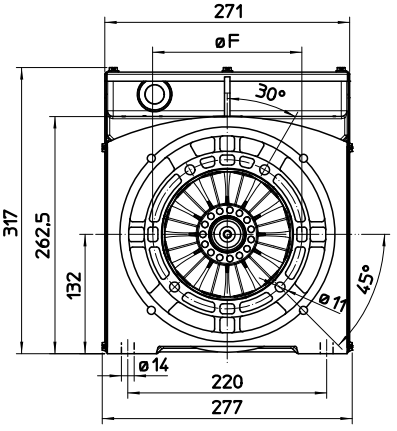




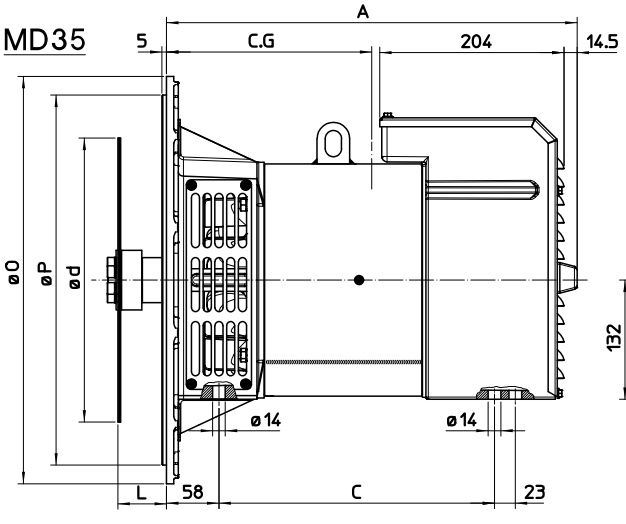
		C.G. = CENTRO GRAVITA / GRAVITY CENTER			
		B3B14	B9	J609b	MD35
4 POLI / 4 POLES	1S	221	225	230	230
	2S	210	213	218	220
	1L	259	262	267	266
	2L	252	254	259	259
	3L	244	247	250	252

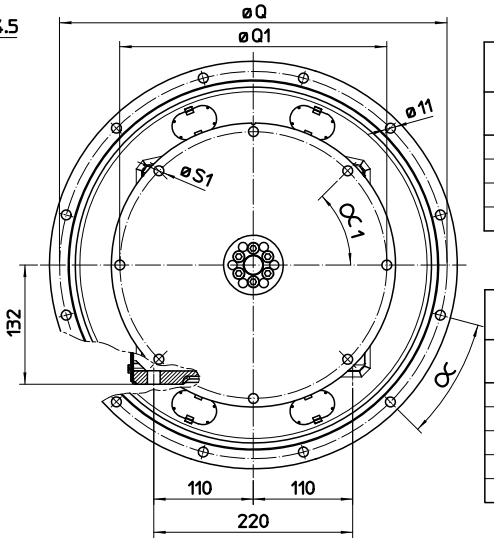
J609b





MD35





FLANGE					
SAE	O	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_1
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°