

BRUSHLESS ALTERNATORS WITH AVR-d 4 Poles

ZB132



Technical characteristics		ZB132	ZB132-1
		Three-phase	Single-phase
Number of poles	4		
Rated power factor	0,8	1	
Voltage accuracy	± 1%		
T.H.D.	< 4% phase to phase	< 5%	
Nominal temperature	-15°C ÷ 40°C		
Excitation system	Self-excited		
Execution	Brushless		
Regulation type	Automatic Voltage Regulator		
AVR model	AVR 625D		
Overload	110% of rated power for 1 hour in a 6-hour cycle		
Short circuit current	> 300% I _n		

		ZB132	ZB132-1
		Three-phase	Single-phase
Insulation class	H		
Protection degree	IP20 (IP23 on request)		
Nominal speed	1500 rpm at 50Hz - 1800 rpm at 60Hz		
Overspeed	2250 rpm		
Air flow requirement	5,5 m ³ /min at 1500 rpm - 6.6 m ³ /min at 1800 rpm		
Standards	IEC 34-1; EN60034-1; ISO 8528-3		
Electromagnetic compatibility	EN61000-6-2; EN61000-6-4		
NDE bearing type	6207 2RSC3		
Stator windings	Single layer with auxiliary windings		
Rotor	With damping cage		
Number of leads	6 (12 on request)		4

3ph	Voltage	50Hz -1500rpm						60Hz -1800rpm					
		S1 continous 40/125°C cl. H						S1 continous 40/125°C cl. H					
		3 ph p.f.=0,8			1 ph p.f.=1			3 ph p.f.=0,8			1 ph p.f.=1		
	Star Y	380	400	415	Eff. 4/4 load 400V		400	380	440	480			480
	Parallel star YY (*)	190	200	208			200	190	220	240			240
	Delta Δ	220	230	240		230	230	220	254	277		277	277
	Parallel delta ΔΔ (*)	110	115	120		115	115	110	127	138		138	138
	Model	[kVA]			η %	[kVA]	[kVA]	[kVA]			η %	[kVA]	[kVA]
	ZB132 XSA	8			80	4,8	8,8	8,8	9,5	10	81	6	11
	ZB132 XSB	10			81	6	11	11,5	13	14	82	7,8	14,3
	ZB132 SA	12,5			83	7,5	13,7	13,5	14,5	15,5	84	9,3	17
	ZB132 SB	15			84	9	16,5	17,5	19	19	84,5	11,4	21
	ZB132 MA	20			86	12	22	22	24,5	26	86,5	15,6	28,5

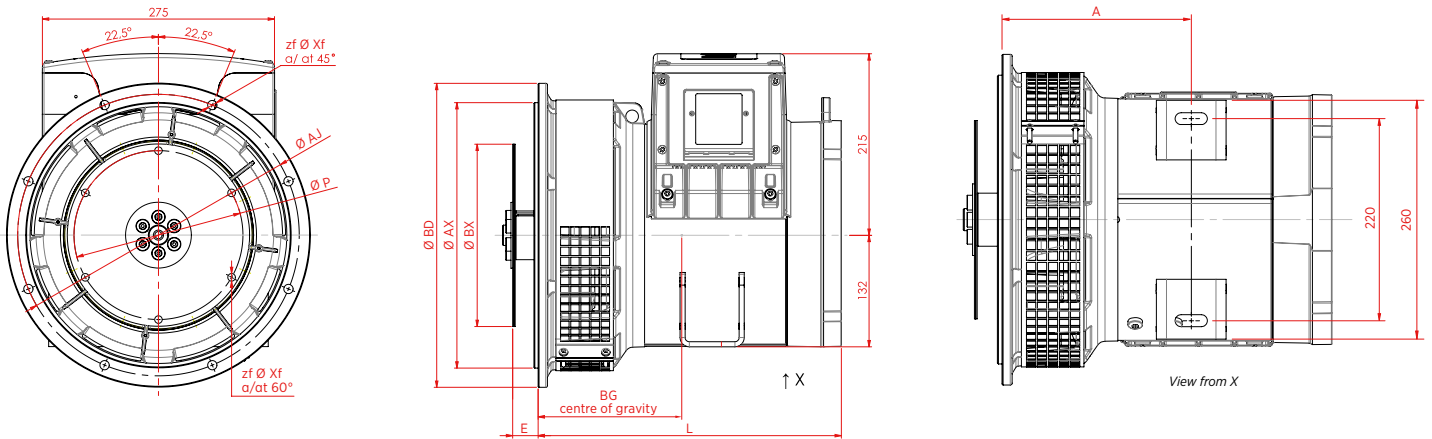
(*) Available on request
 The powers refer to a SAE 5 coupling for ZB132 XSA-XSB and SAE 4 for ZB132 SA-SB-MA
 Power S1 cl.H (ΔT=125°C) - below 1000m AMSL - A.T. < 40°C

1ph	Voltage	50Hz -1500rpm						60Hz -1800rpm					
		S1 continous 40/125°C cl. H						S1 continous 40/125°C cl. H					
		p.f.=1		p.f.= 0,8		p.f.=1		p.f.= 0,8		p.f.=1		p.f.= 0,8	
	Series	230		Eff. 4/4 load 230V	230	230	230	240		Eff. 4/4 load 240V	240	240	240
	Parallel	115			115	115	115	120	120		120	120	120
	Model	[kVA]		η %	[kVA]	[kVA]	[kVA]	η %	[kVA]	[kVA]	[kVA]	[kVA]	
	ZB132 XSA-1	5		79	4	5,5	4,4	6	80	4,8	6,6	5,2	
	ZB132 XSB-1	7		80,5	5,6	7,7	6,2	8	81,5	6,4	8,8	7	
	ZB132 SA-1	9		82	7,2	10	8	10,5	83	8,4	11,5	9,2	
	ZB132 SB-1	11		83	8,8	12	9,7	13	84	10,4	14,2	11,3	
	ZB132 MA-1	14		84	11,2	15,4	12,3	16	85	12,8	17,5	14	

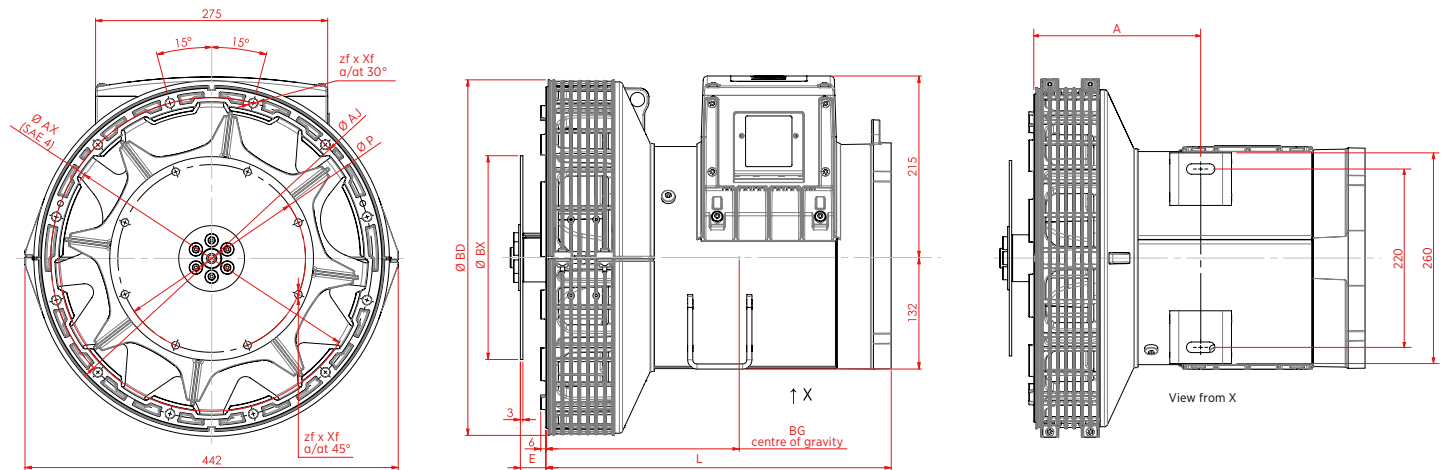
The powers refer to a SAE 5 coupling for ZB132 XSA-1 / XSB-1 and SAE 4 for ZB132 SA-1 / SB-1 / MA-1
 Power S1 cl.H (ΔT=125°C) - below 1000m AMSL - A.T. < 40°C

Overall Dimensions

SAE 5



SAE 4



	A	L	Weight	
			SAE 5	SAE 4
	[mm]	[mm]	[kg]	
ZB132 XSA	206	359	62	57
ZB132 XSB	206	359	68	63
ZB132 SA	206	409	78	75
ZB132 SB	206	409	85	81
ZB132 MA	235	469	103	99

	A	L	Weight	
			SAE 5	SAE 4
	[mm]	[mm]	[kg]	
ZB132 XSA-1	206	359	61	56
ZB132 XSB-1	206	359	67	62
ZB132 SA-1	206	409	76	73
ZB132 SB-1	206	409	83	79
ZB132 MA-1	235	469	101	97

BG	
SAE 5-6,5	SAE 4-7,5
[mm]	
ZB132 XSA	166
ZB132 XSB	170
ZB132 SA	189
ZB132 SB	195
ZB132 MA	222

ZB132 XSA	166	176
ZB132 XSB	170	180
ZB132 SA	189	197
ZB132 SB	195	203
ZB132 MA	222	230

SAE	Flange				
	AX	BD	AJ	Xf	zf
5	314,325	360	333,37	11	8
4	361,95	421	381	11	12

SAE	Joint				
	E	BX	P	Xg	zg
6,5	30,2	215,9	200,02	9	6
7,5	30,2	241,3	222,25	9	8

Technical data not binding; NSM reserves the right to modify the contents without prior notice.

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