Koten

Brushless Alternator

50/60Hz

KA-444 series three-phase synchronous brushless generator										
Model	Rated Freq, Speed	50Hz 1500r/min				60Hz 1800r/min				
	Insulation Class	Class H/Temp.(125℃)				Class H/Temp.(115℃)				
	Astro-Series(V)	380	400	415	440	416	440	450	460	480
	Astro-Parallel(V)	190	200	208	220	208	220	225	230	240
	Triangle Series (V)	220	230	240	254	240	254	260	266	277
KA-444C	Rated Capacity(KVA)	250	250	250	250	281	294	297	300	313
	Rated Output(KW)	200	200	200	200	225	235	238	240	250
	Efficiency(%)	92	92.4	92.7	93.1	92.1	92.4	92.5	92.6	92.8
	Power of Input(KW)	217	216	216	215	245	255	257	259	269
KA-444D	Rated Capacity(KVA)	295	295	295	280	338	350	357	363	375
	Rated Output(KW)	236	236	236	224	270	280	285	290	300
	Efficiency(%)	92.3	92.7	93	93.4	92.3	92.6	92.7	92.8	93
	Power of Input(KW)	256	255	254	240	293	302	308	312	323
KA-444ES	Rated Capacity(KVA)	325	325	325	325	381	394	400	406	419
	Rated Output(KW)	260	260	260	260	305	315	320	325	335
	Efficiency(%)	93	93.3	93.5	93.8	92.8	93.1	93.3	93.4	93.5
	Power of Input(KW)	280	279	278	277	328	338	343	348	358
KA-444FS	Rated Capacity(KVA)	380	380	380	380	444	456	460	463	475
	Rated Output(KW)	304	304	304	304	335	365	368	370	380
	Efficiency(%)	92.6	93	93.2	93.5	92.6	92.9	93.1	93.2	93.4
	Power of Input(KW)	328	327	326	325	383	393	395	397	407

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Product information :

KA Series three-phase synchronous brushless generators, are our company new products, which are basis on the internationally advanced technology. The products draw on the world's largest electrical machinery manufacturers' successful experience of using a number of their own innovative technology, such as insulation, ventilation, base structure, materials and surface treatment, etc., optimizing the design. Therefore, generator power density, efficiency, center high dimensions, as well as electrical, mechanical properties, etc., are up to the world advanced level.

the generators meet the requirements of JB/T10747-2007, and the relevant section of other international standards, such as International Electrotechnical Society IEC60034-22: 1996 "Reciprocating internal combustion engine driven alternator", GB755 Chinese rotary motor general technical conditions and BC5000 UK and North America NEMA MG1-22 standard.

Products character:

1. Optional permanent magnet generator system can provide a constant excitation in any condition.
2. Advanced automatic voltage regulator system can guarantee the genrator work normally even in the worst conditions.
3. Reorganization the twelve terminal block wiring to fit the different voltage requirements.
4. Standard 2 / 3 pitch windings curbed excessive midline current make it easily to operate with other generators in parallel.
5. Unique overall design of salient-pole rotating magnetic field, taking into account the advantages of separation of salient-pole and hidden structure, and also improved the thermal conditions and the winding coil increased mechanical strength.
6. Easy installation, convenient maintenance, with easily operated terminal, rotating diodes and the bolt axis.
7. Both of the single and full pivot type structures, in compliance with all the leading diesel engine land assembly interface standards.
8. Adopted a completely continuous damper winding and the 2 / 3 pitch windings effectively inhibit the output voltage waveform distortion and greatly reduce telephone harmonic factor and telephone interference factor.

Electrical performance:

voltage sinusoidal waveform distortion rate:≤5%,
telephone harmonic factor （THF）：≤2%,
telephone interference factor（TIF）：≤50

Note:

1. Under the following conditions, the generator could run continuously at the rated voltage:Ambient temperature ＜ 40℃, altitude ＜ 1000m, relative air humidity ＜ 90%.
2. According to the user's need, we also can make other voltage range.
3. When ordering products model for further information, please click here to find our product model definition table.

Koten Power ,reserves the right to modify the characteristics of its product at any time in order to incorporate the latest technological developments.The information contained in this document may therefore be changed without notice.For more technical data.