



### KA-164 series three-phase synchronous brushless generator

Model	Rated Freq, Speed	50Hz 1500r/min				60Hz 1800r/min			
	Insulation Class	Class H/Temp.(125℃)							
Model	Astro-Series(V)	380	400	415	440	416	440	460	480
	Astro-Parallel(V)	190	200	208	220	208	220	230	240
	Triangle Series (V)	220	230	240	254	240	254	266	277
KA-164A	Rated Capacity(KVA)	8.1	8.1	8.1	8.1	9.6	10.2	10.2	10.2
	Rated Output(KW)	6.5	6.5	6.5	6.5	7.7	8.2	8.2	8.2
	Efficiency(%)	75.6	76.2	76.6	77.1	75.8	76.3	76.9	77.4
	Input Power(KW)	8.6	8.5	8.5	8.4	10.1	10.7	10.6	10.5
KA-164B	Rated Capacity(KVA)	11	11	11	11	13	13.8	13.8	13.8
	Rated Output(KW)	8.8	8.8	8.8	8.8	10.4	11	11	11
	Efficiency(%)	78.8	79.4	79.8	80.2	79	79.4	80	80.5
	Input Power(KW)	11.2	11.1	11	11	13.2	13.9	13.8	13.7
KA-164C	Rated Capacity(KVA)	13.5	13.5	13.5	13.5	16	16.9	16.9	16.9
	Rated Output(KW)	10.8	10.8	10.8	10.8	12.8	13.5	13.5	13.5
	Efficiency(%)	80	80.7	81	81.5	80.3	80.7	81.3	81.7
	Input Power(KW)	13.5	13.4	13.3	13.3	15.9	16.7	16.6	16.5
KA-164D	Rated Capacity(KVA)	16	16	16	16	18.9	20	20	20
	Rated Output(KW)	12.8	12.8	12.8	12.8	15.1	16	16	16
	Efficiency(%)	81	81.6	81.9	82.4	81.2	81.7	82.2	82.7
	Input Power(KW)	15.8	15.7	15.6	15.5	18.6	19.6	19.5	19.4

### Products information:

KA Series three-phase synchronous brushless generators are our company new products, which are basis on the internationally advanced technology. These 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, 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 products comply with JB/T10747-2007, 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. Advanced automatic voltage regulator system can guarantee the genrator work normally even in the worst conditions.
2. Reorganization the twelve terminal block wiring to fit the different voltage requirements.
3. Standard 2 / 3 pitch windings curbed excessive midline current, making it very easily to operate with other generators in parallel.
4. Unique overall design of salient-pole rotating magnetic field, taking into account the advantages of separation of salient-pole and hidden structure, but also improved the thermal conditions and the winding coil increased mechanical strength.
5. Easy installation, convenient maintenance, with easily operated terminal, rotating diodes and the bolt axis.
6. Both of the single and full pivot type structures, in compliance with all the leading diesel engine land assembly interface standards.
7. A completely continuous damper winding and 2 / 3 pitch windings inhibite the voltage sinusoidal waveform distortion efficiently, and also reduce the generator THF and TIF.

### Electrical performance:

Voltage sinusoidal waveform distortion rate:  $\leq 5\%$ ,

Telephone harmonic factor (THF) :  $\leq 2\%$

Telephone interference factor (TIF) :  $\leq 50$

### Note:

1. Under the following conditions, the generator could run continuously at the rated voltage: Ambient temperature  $< 40^{\circ}\text{C}$ , altitude  $< 1000\text{m}$ , 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.