



		501	502	503	504	505	506	507	508
Housing internal centering diameter	A H8	470	470	470	470	470	470	470	470
Angle wire output / tapped holes	AF	15°	15°	15°	15°	15°	15°	15°	15°
Housing external centering diameter	B f8	502	502	502	502	502	502	502	502
Rotoric internal centering diameter	C H7	350	350	350	350	350	350	350	350
Housing internal diameter	De	403	403	403	403	403	403	403	403
Rotoric fixation holes	FR	12x M8 on Ø364	12x M8 on Ø364	12x M8 on Ø364	12x M8 on Ø364	12x M8 on Ø364	12x M8 on Ø364	12x M8 on Ø364	12x M8 on Ø364
Housing fixation holes	FS	12x M8 on Ø482	12x M8 on Ø482	12x M8 on Ø482	12x M8 on Ø482	12x M8 on Ø482	12x M8 on Ø482	12x M8 on Ø482	12x M8 on Ø482
Depth of housing internal centering	LA	3	3	3	3	3	3	3	3
Housing length	LB ±0,15	93(133)	120,5 (160,5)	148 (188)	175,5 (215,5)	203 (243)	230,5 (270,5)	258 (298)	285,5 (325,5)
Alignment rotor/housing	P ± 0.1	37(77)	37(77)	37 (77)	37(77)	37(77)	37(77)	37(77)	37 (77)
Maximum rotoric contact diameter	Pmax	384	384	384	384	384	384	384	384
Rotor length	R +0.15	27,5	55	82,5	110	137,5	165	192,5	220

## INTEGRATION:

- ✓ The cables are made of PU, class 6, foreseen for cable-bearing chains, 2mt standard length, copper square section according rated current.
- ✓ Rotor/housing alignment (P) has to be executed within ±0,1mm. Optionally, we can supply a mounting tool for achieving that alignment in case of assembly without the possibility of accurate alignment.
- ✓ Thermal device cables consist of a shielded pairs of 2x2x0.25mm<sup>2</sup> section, 7mm external diameter.
- ✓ (DE) represents :
  - 1- The maximum diameter passing inside the housing.
  - 2-The maximum diameter necessary for rotor assembly.
- ✓ (Pmax) diameter for pieces in contact with the rotor must never be exceeded.
- ✓ Tapped holes on each side of rotor and housing are angularly aligned.
- ✓ Cable positioning (AF) is theoretical. Leave a free room with ±10 arc degree tolerance around that position, on a 50mm height from the housing side, for avoiding to force the cables at the alternator output..
- ✓ When designing the assembly, take care to insure a perfect contact between housing and user's bore for avoiding thermal problems.
- ✓ For housing mounting, use either external (B) or internal (A) centering diameter.
- ✓ For execution tolerances (perpendicularity, concentricity, ...) please contact us.
- ✓ In **red** in the table, P, LB, are 30mm higher when the rated current is greater than 38amps for class 6 shielded cables output.
- ✓ We also propose an output with unshielded wires that is not requiring an increase of length (contact us for square section)
  
- ✓ A full integration handbook can be supplied to our customer upon request.
- ✓ For further information or specific request about our alternators, feel free to contact us.