

Manufacturer Address  
IAME S.p.A.  
Via Lisbona, 15  
24040 ZINGONIA (ITALY)



Manufacturer	IAME S.P.A. - ZINGONIA (I)
Make	PARILLA
Model	LEOPARD USA MY'09 125cc - RL - TaG
Inlet type	REED VALVE
Number of pages	9

**PICTURE OF ENGINE**



**Signature and Stamp**

Importer



**TECHNICAL INFORMATION**

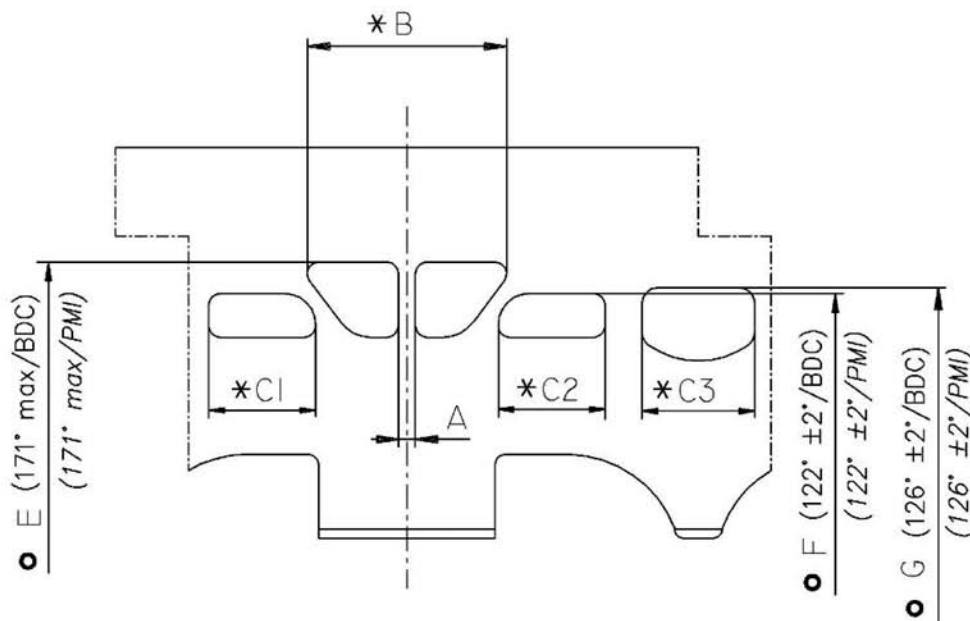
<b>A CHARACTERISTICS</b>		
	Measurement	Tolerances
Volume of cylinder	123.67 cm <sup>3</sup>	
Original bore	54 mm	
Theoretical maximum bore	54.28 mm	
Stroke	54 mm	
Cooling system	Water	
Number of carburation systems	1	
Number of transfer ports / ducts, cylinder / sump	3	
Number of exhaust ports / ducts	2	
Shape of the combustion chamber	Spherical	
Length between axes of the connecting rod	102 mm	± 0.10
Minimum weight of connecting rod	109 g	
Volume of combustion chamber	10 cm <sup>3</sup>	± 0.5
Type of bearings and size	Big End of Con. Rod Bearing = 20 x 26 x 15 Little End of Con. Rod Bearing = 14 x 18 x 17.5 Crankshaft Bearing = 25 x 52 x 15 - 6205 type	

<b>B OPENING ANGLES</b>		
Exhaust	171° max.	
Of exhaust ports / ducts		

<b>C LIST OF ACCESSORIES INCLUDED</b>	
<i>(List accessories as shown below)</i>	Centrifugal clutch
Carburetor with Venturi Ø23	
Generator for battery charging and wiring	
Electric starter	
Exhaust with flex	

<b>D MATERIAL</b>	
Cylinder	Aluminium
Connecting rod	Steel
Crankshaft	Steel
Head	Aluminium
Liner	Iron
Crankcase	Aluminium
Piston	Aluminium
Piston Ring	Iron

**DRAWING OF THE CYLINDER DEVELOPMENT**

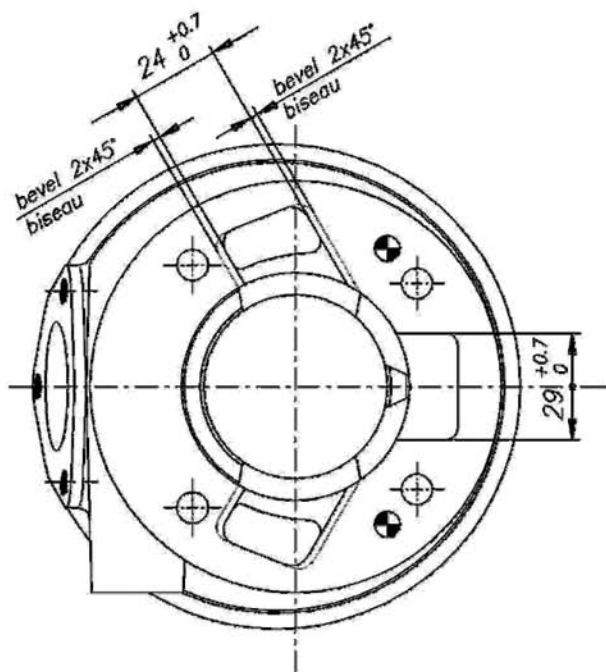


A	$\geq 4$ mm
B	$\leq 50.2$ mm
C1 = C2	$\leq 25.5$ mm
C3	$\leq 28.3$ mm
E	171° max
F	122° ± 2°
G	126° ± 2°

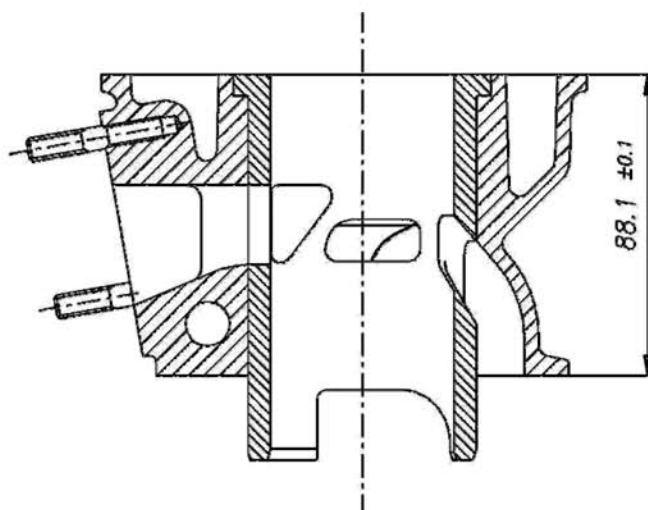
\* CHORDAL READING  
LECTURE CORDALE

○ ANGULAR READING BY INSERTING A 0.2 mm GAUGE  
LECTURE ANGULAIRE PAR INSERTION D'UNE CALE DE 0.2 mm

**DRAWING OF THE CYLINDER BASE**

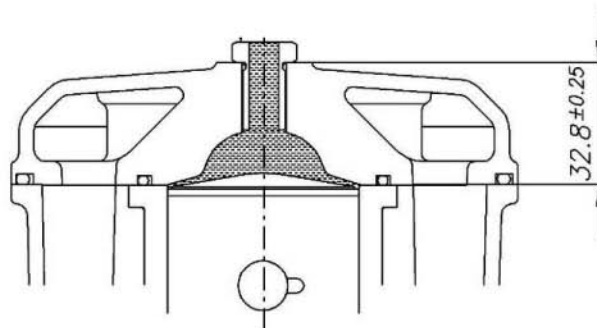


**CYLINDER SECTION VIEW**





**DRAWING OF THE CYLINDER HEAD AND THE COMBUSTION CHAMBER**

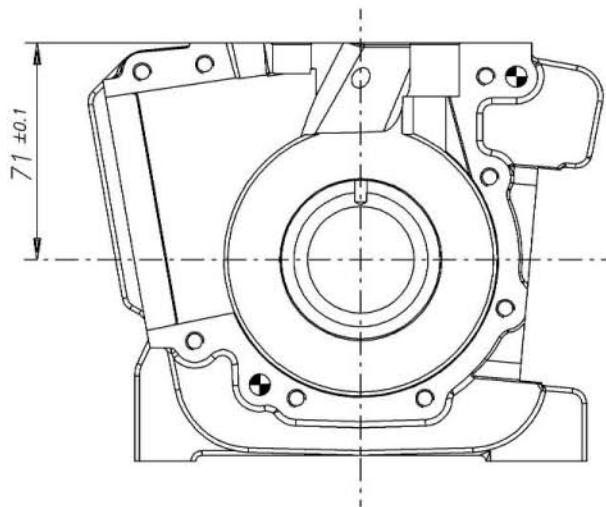
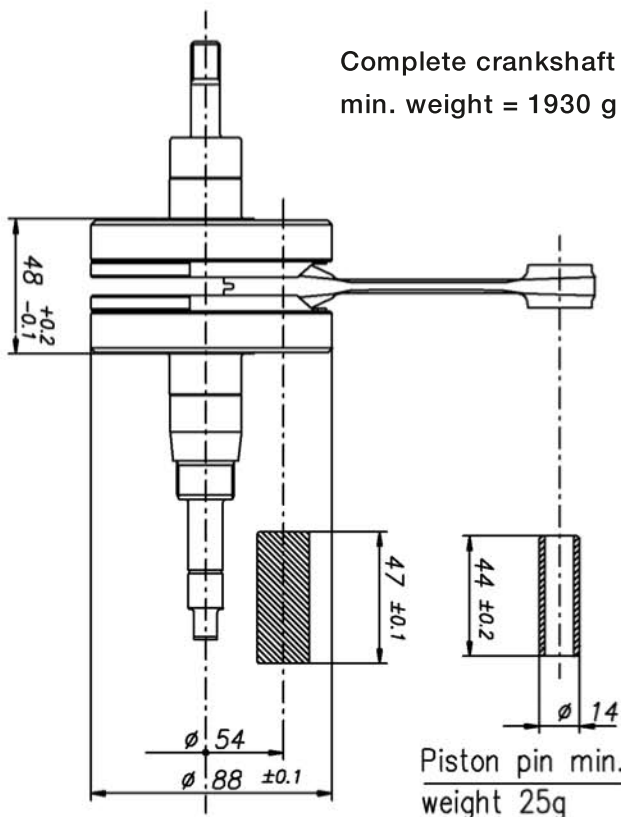


Cylinder head is aluminium and shall conform to drawing supplied by manufacturer.  
 No modification allowed.  
 Combustion Chamber volume measured assembled, without LAD tool.  
 Minimum volume: 9.5 cc

Minimum deck height .026" using .060" solder.

**DRAWING OF THE CRANKSHAFT**

**DRAWING OF THE INSIDE OF SUMP**

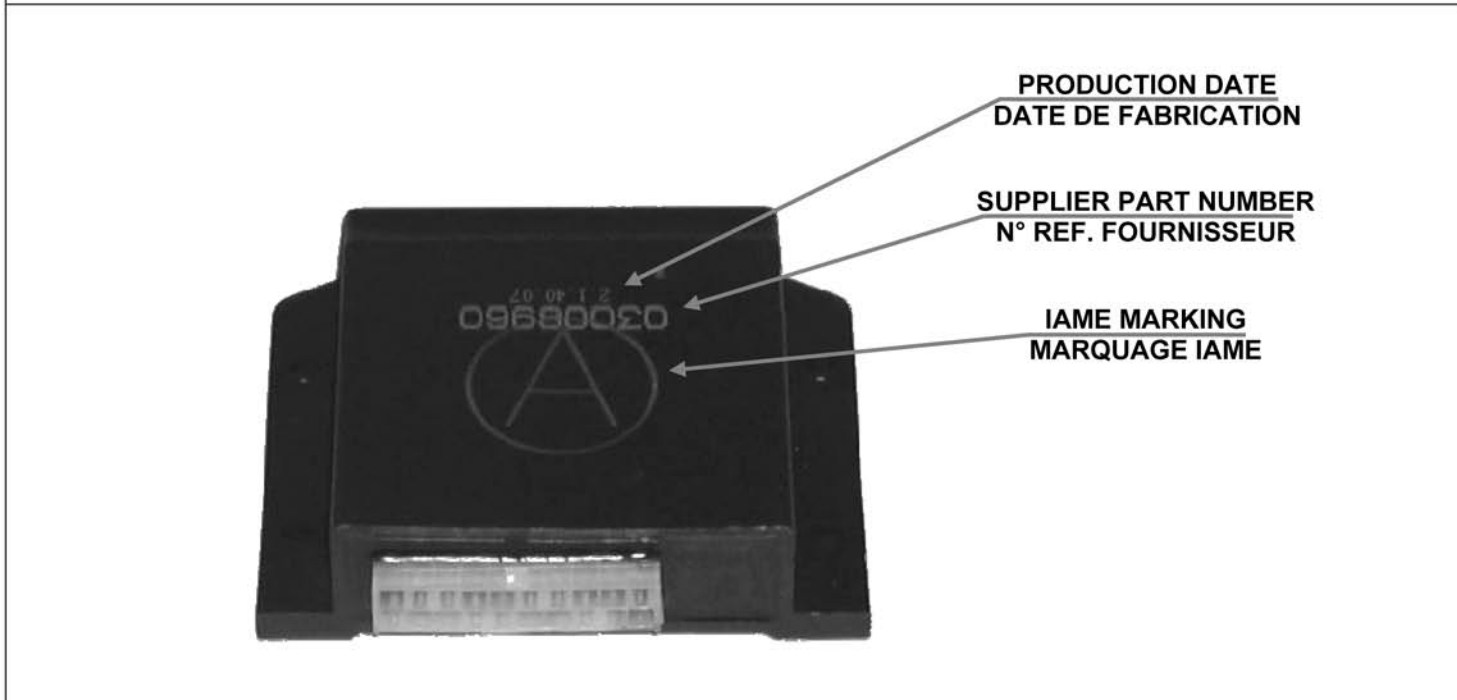




<b>IGNITION</b>	
Manufacturer	SELETTA
Model Number	
Rotation	COUNTERCLOCKWISE
Description	- DIGITAL « K »

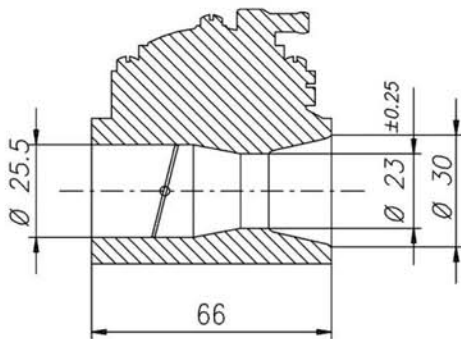
<b>PHOTO OF IGNITION</b>	<b>PHOTO OF COIL</b>

**ELECTRONIC BOX MARKING ( SELETTA DIGITAL “K” IGNITION )**

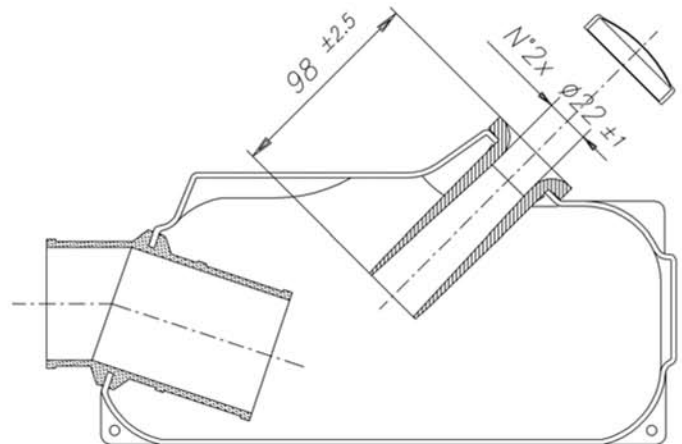


**CARBURETOR DIMENSION**

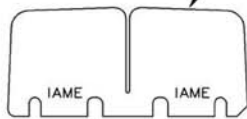
TILLOTSON mod. HL-334 AB



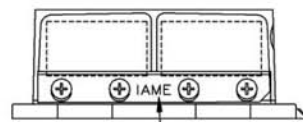
**INLET SILENCER**



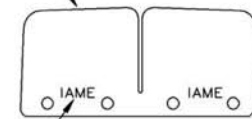
Reed petals min. thicknesses = 0.30 mm  
 Min. épaisseur clapets = 0.30 mm



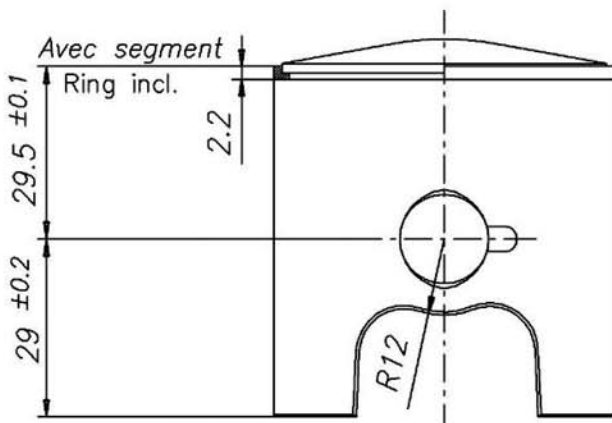
Material: Vetronite  
 Matériel:



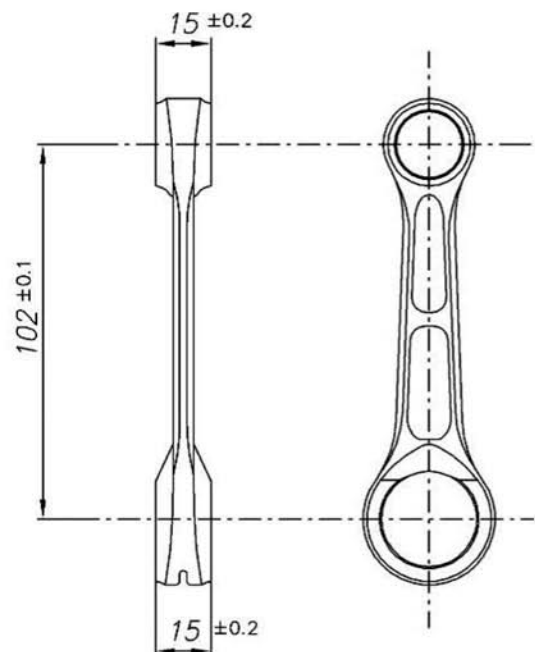
marking "IAME"  
 marquage "IAME"



**PISTON**

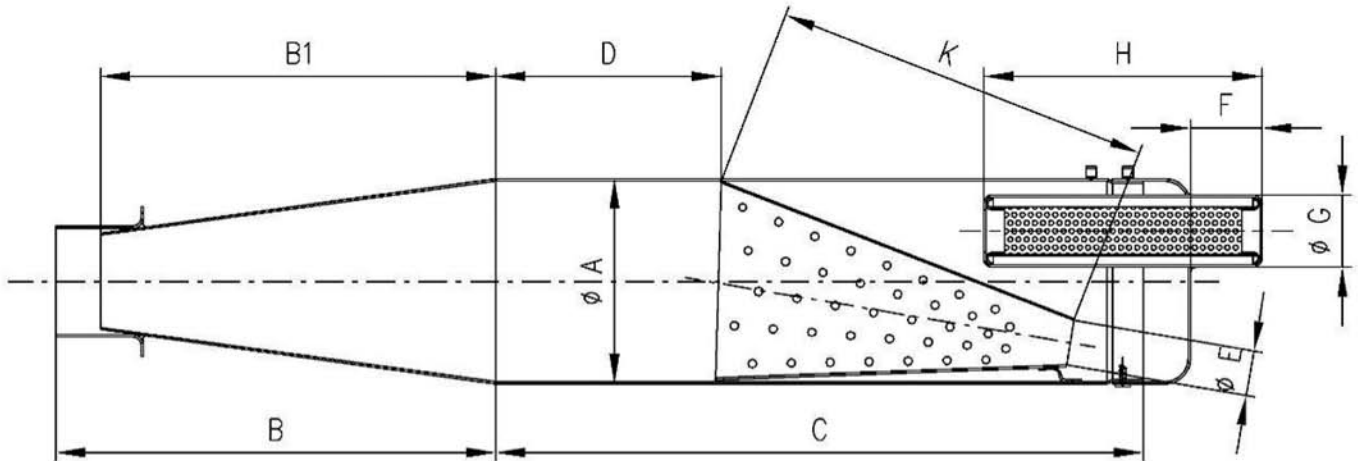


**CONNECTING ROD**



Min. weight= 109 g

**DRAWING OF THE SILENCER AND IT'S COMPONENTS**



The end parts of the silencer must have two soldered pairs of lugs (one pair at the top and one pair at the bottom) to allow for fixing of seals by the Organizer so that the silencer may be opened during the competition

Measurements:

<u>A: 100</u> Øext.	<u>E: 24</u>
<u>B: 215</u>	<u>F: 36</u>
<u>B1: 193</u>	<u>G: 35</u>
<u>C: 315</u>	<u>H: 134</u>
<u>D: 110</u>	<u>K: 185</u>

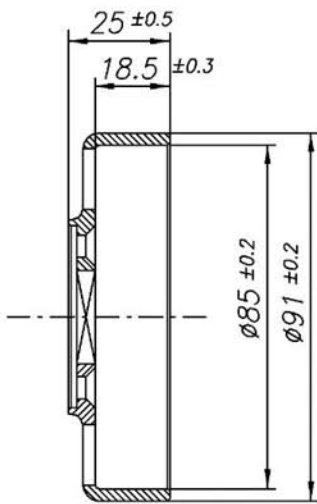
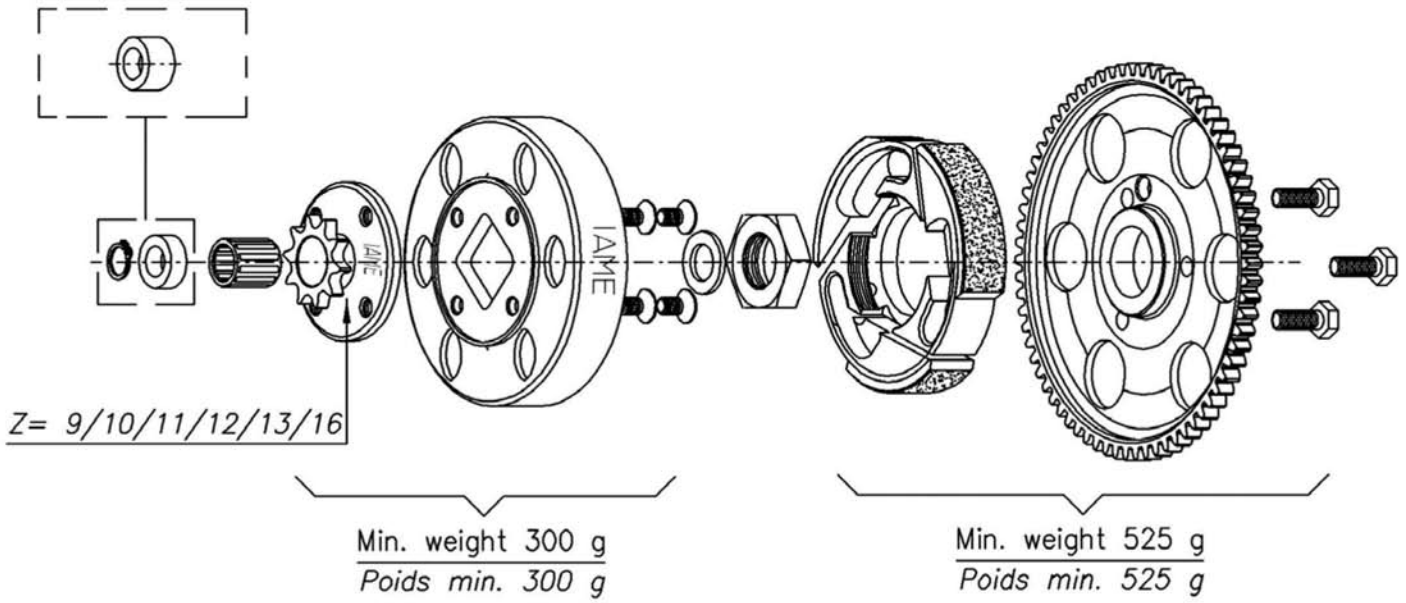
TOLERANCES

Rough dimensions

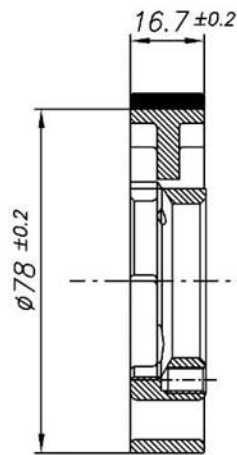
up to	25mm → ±1mm
from to	25+60mm → ±1,5mm
more than	60mm → ±3mm

**DRAWING OF THE CLUTCH**

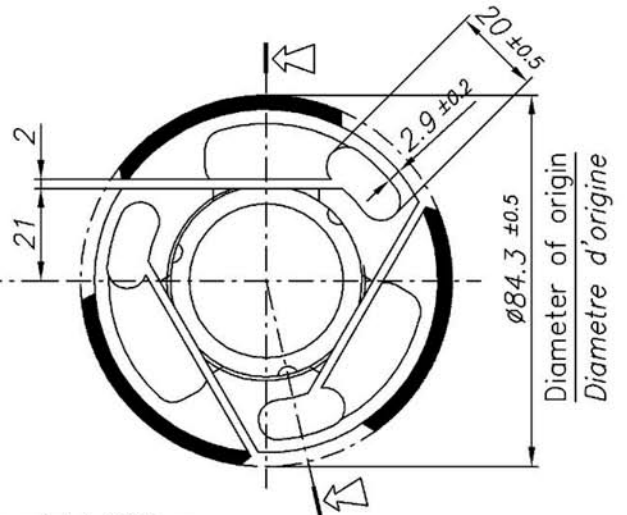
*BE USED AS  
AN ALTERNATIVE*



Min. weight 225 g  
Poids min. 225 g

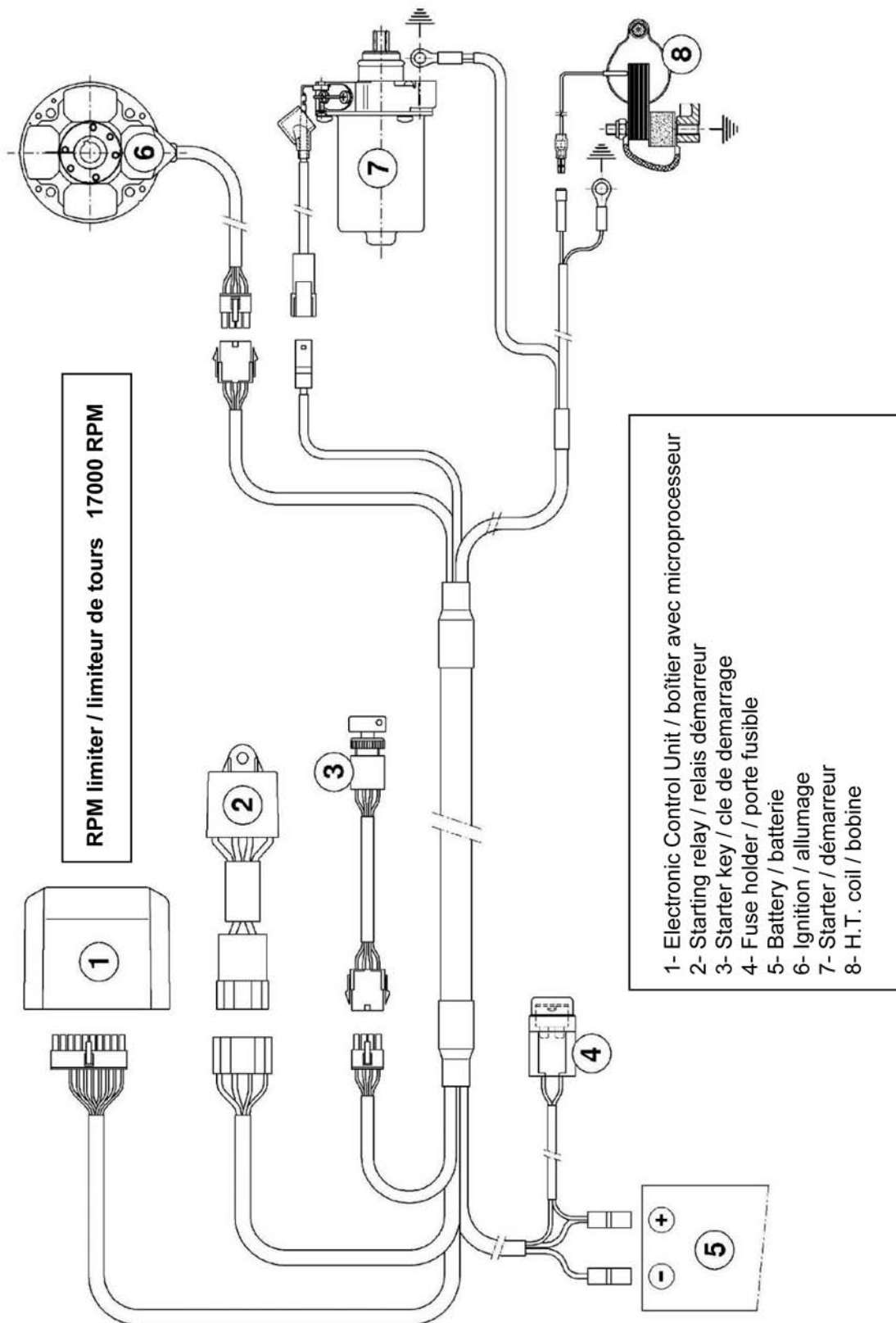


Min. weight 265 g  
Poids min. 265 g





### SELETTRA DIGITAL "K" IGNITION WIRING DIAGRAM



**PHOTO IDENTIFICATION EXHAUST MUFFLER WITH FITTING**



**EXHAUST MUFFLER WITH FITTING VIEW AND DIMENSIONS**

