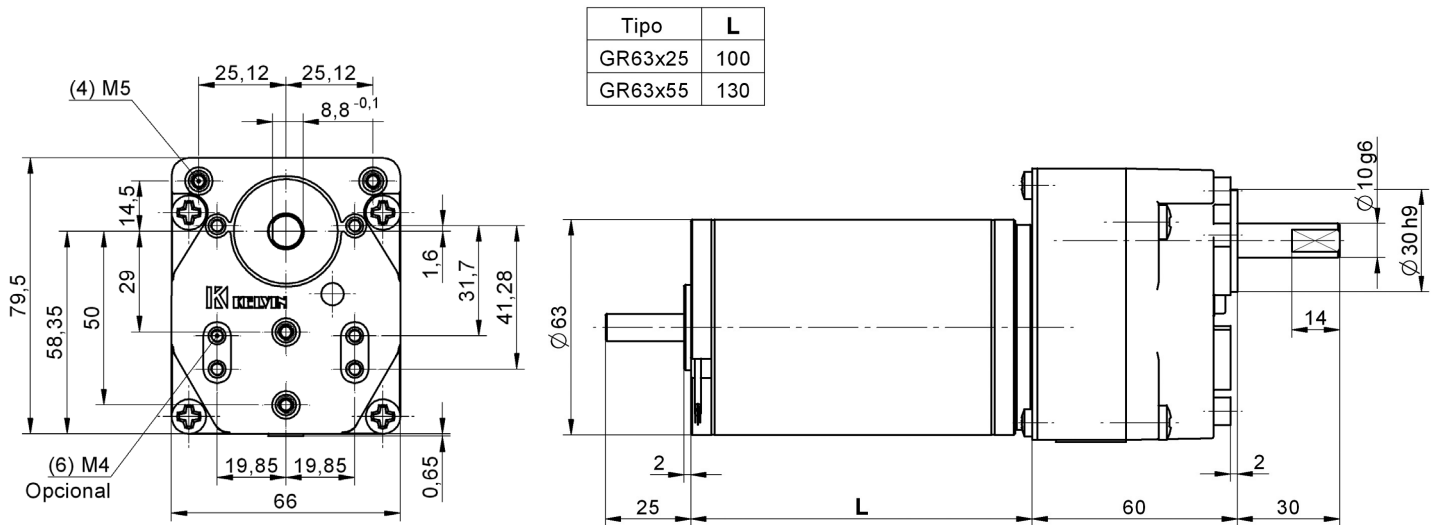


## Gearbox + Motor



## K80-Mounting

### TECHNICAL CHARACTERISTICS

High endurance gearbox for heavy duty continuous workload in any position, at room temperature from -15 to 50°C, with **torque load up to 8 Nm, steady load.**

- **Box.** Made of die-cast Zamak. Frontal mounting by four M5 threaded holes (3 the same as K55 gearbox).
- **Gear set.** Hobbed spur gear set with steel pinions and gear wheels, with case superficial heat anti-friction treatment. The intermediate gears turn on rectified hardened steel shafts, which are fixed to the box.
- **Output shaft.** Ø10 mm steel shaft, 30 mm usable length, with a flat. Incorporates and turns on ball bearings.
- **Output shaft load:**
  - Axial direction, pull or push                      500 N ≈ 50 Kg.
  - Radial direction, at 15 mm from box                400 N ≈ 40 Kg.
- **Lubrication.** Lithium grade 2 grease.
- **Weight.** With maximal number of stages: 1.81 Kg.

#### MOTOR COUPLING:


- **Direct C.:** GR63x25, 12 V - 50 W or 24 V - 50 W.

#### ■ OPTIONAL:

- Frontal mounting by six M4 threaded holes (4 the same as K55 gearbox).
- Electronic speed controllers (request information).
- Encoder
- Brake

**Avoid** impacts on the output shaft when assembling or disassembling parts on it, this could damage the gearbox.

**Your special requests are welcome.**

			MOTORES DE C.C. - DC MOTORS DUNKER GR63x25					
			GR63x25 12V			GR63x25 24V		
Reducción Ratio <b>i = X:1</b>	Nº Etapas Stages	Eficiencia Efficiency	No load speed Vo (r.p.m.)	Nominal Speed Vn (r.p.m.)	Nominal Torque (N.m)	No load speed Vo (r.p.m.)	Nominal Speed Vn (r.p.m.)	Nominal Torque (N.m)
9,9	2	0,81	363,64	313,13	1,10	363,64	333,33	1,12
16	2	0,81	225,00	193,75	1,78	225,00	206,25	1,81
32,9	3	0,73	109,42	94,22	3,29	109,42	100,30	3,36
64	3	0,73	56,25	48,44	6,39	56,25	51,56	6,53
109	4	0,66	33,03	28,44	<b>Ex.</b> Torque max. 8 N·m	33,03	30,28	<b>Ex.</b> Torque max. 8 N·m
128	4	0,66	28,13	24,22		28,13	25,78	
158	4	0,66	22,78	19,62		22,78	20,89	
178	4	0,66	20,22	17,42		20,22	18,54	
315	5	0,59	11,43	9,84		11,43	10,48	
426	5	0,59	8,45	7,28	8,45	7,75		
512	5	0,59	7,03	6,05	7,03	6,45		

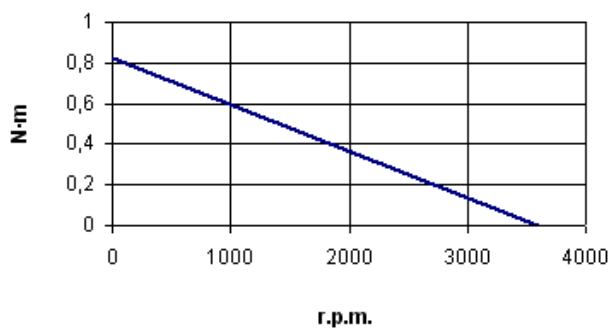
**NO LOAD SPEED / RATED TORQUE**

Motor GR63x55 -12V = 3600 rpm / 0,137 Nm

Motor GR63x55 -24V = 3600 rpm / 0,14 Nm

**Ex** Exceeds maximal  
admissible torque

**GR63x25 12V**



**GR63x25 24V**

