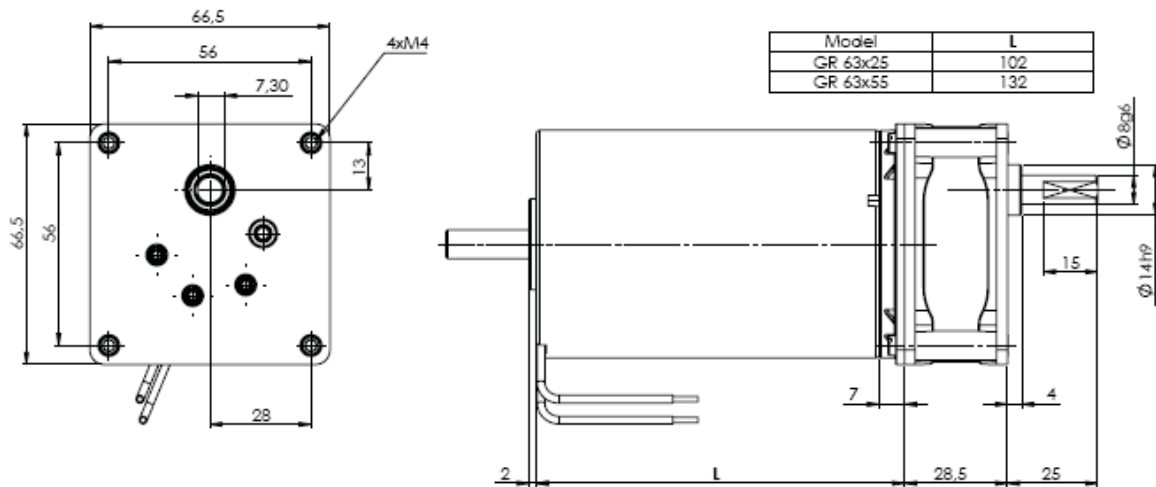


# Gearbox + Motor **KF65-GR63**



KF65

## 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 6.5 Nm, steady load.**

- **Box.** Made of two aluminium plates and an aluminium tubular cover. Frontal mounting by four M4 threaded holes.
- **Gear set.** Hobbed spur gear set with steel pinions and gear wheels, with case superficial heat anti-friction treatment.
- **Output shaft.** Ø8 mm. steel shaft, 25 mm usable length, with a flat. Incorporates and turns on sintered bushings.
- **Output shaft load:**
  - Axial direction, pull or push 60 N ≈ 6 Kg.
  - Radial direction, at 10 mm from box 60 N ≈ 6 Kg.

■ **Lubrication.** Lithium grade 2 grease.

■ **Weight.** With maximal number of stages: 0.95 Kg

### MOTOR COUPLING:

■ **Direct C.:** DUNKER GR63 type 12 or 24 V

### ■ OPTIONAL:

■ Speed regulation with electronic controller.

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

**Your special requests are welcome.**



DC MOTORS MODEL: Dunker GR63								
			GR63x25 12V			GR63x25 24V		
Reduction ratio <b>i = X:1</b>	Stages	Torque factor	No load speed <i>n</i> <sub>0</sub> (r.p.m.)	Nominal Speed <i>n</i> <sub>N</sub> (r.p.m.)	Nominal Torque (N.m)	No load speed <i>n</i> <sub>0</sub> (r.p.m.)	Nominal Speed <i>n</i> <sub>N</sub> (r.p.m.)	Nominal Torque (N.m)
4,51	2	3,65	798,23	665,19	0,50	798,23	698,45	0,49
6,26	2	5,07	575,08	479,23	0,69	575,08	503,19	0,68
10,85	2	8,79	331,80	276,50	1,20	331,80	290,32	1,19
15,97	3	11,64	225,42	187,85	1,59	225,42	197,24	1,57
30,25	3	22,05	119,01	99,17	3,01	119,01	104,13	2,98
45,87	3	33,44	78,48	65,40	4,57	78,48	68,67	4,51
61,77	4	40,53	58,28	48,57	5,54	58,28	51,00	5,47
93,67	4	61,46	38,43	32,03	<b>Ex.</b> Torque max. 6,5 H-m	38,43	33,63	<b>Ex.</b> Torque max. 6,5 H-m
116,98	4	76,75	30,77	25,65		30,77	26,93	
148,46	4	97,40	24,25	20,21		24,25	21,22	
177,39	4	116,39	20,29	16,91		20,29	17,76	
480,58	5	283,78	7,49	6,24		7,49	6,55	
525,24	5	310,15	6,85	5,71		6,85	6,00	
627,47	5	370,51	5,74	4,78		5,74	5,02	

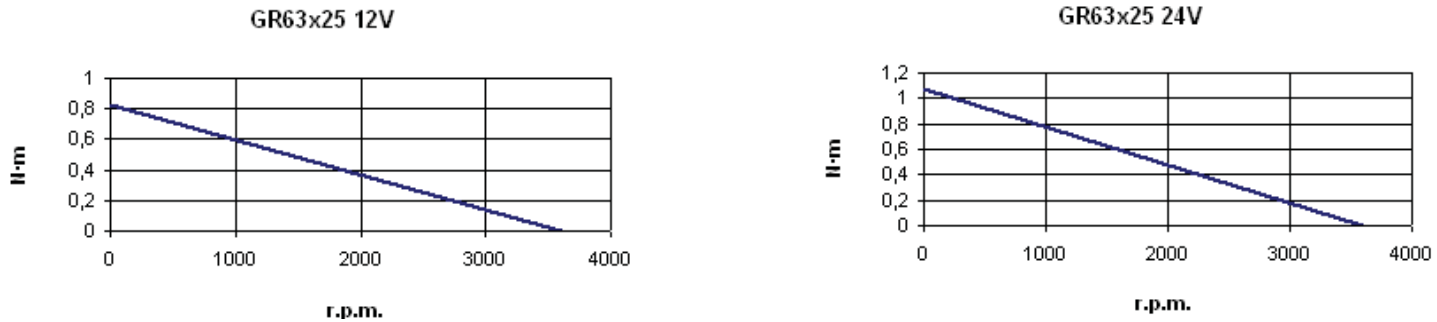
NO LOAD SPEED/NOMINAL TORQUE  
Motor GR 63x25-12V= 3600 r.p.m./0,82Nm.  
Motor GR 63x25-24V= 3600 r.p.m./1,08Nm.

WARNING: The load might reduce final speed up to 40%.

Ex

Exceeds maximal admissible torque

CURVES



GEARBOX TIPS:  
**Noise:** noise level depends on load symmetry, location (avoid acoustic resonance), and rotation speed; the lower the speed on the input shaft (motor), the lower the noise.