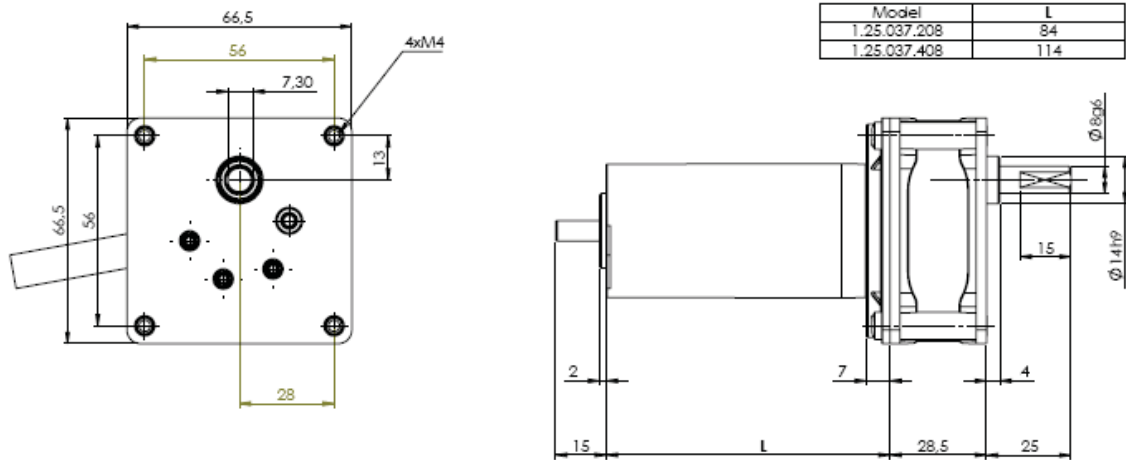


Gearbox + Motor **KF65-BHL EC40**



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.:** BÜHLER 1.25.037.XXX-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.

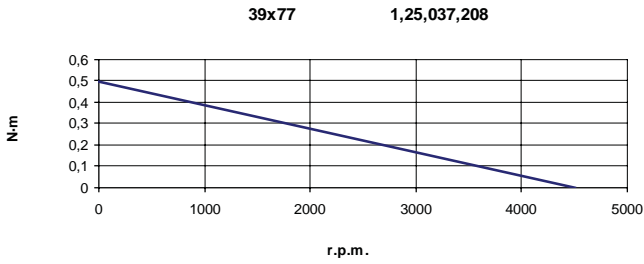
Your special requests are welcome.

BRUSHLESS DC MOTORS MODEL : Bühler EC40					
		39x77		1,25,037,208	
Reduction ratio $i = X:1$	Stages	Torque factor	No load speed n_0 (r.p.m.)	Nominal Speed n_N (r.p.m.)	Nominal Torque (N.m)
15,97	3	11,64	281,78	219,16	1,28
35,65	3	25,99	126,23	98,18	2,86
61,77	4	40,53	72,85	56,66	4,46
93,65	4	61,44	48,05	37,37	4,46
115,4	5	68,14	38,99	30,33	
160,08	5	94,53	28,11	21,86	
191,24	5	112,93	23,53	18,30	
303,15	5	179,01	14,84	11,55	
395,92	5	233,79	11,37	8,84	

NO LOAD SPEED/NOMINAL TORQUE
Motor BHL 208-24V= 4500 r.p.m./0,5Nm.

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

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.