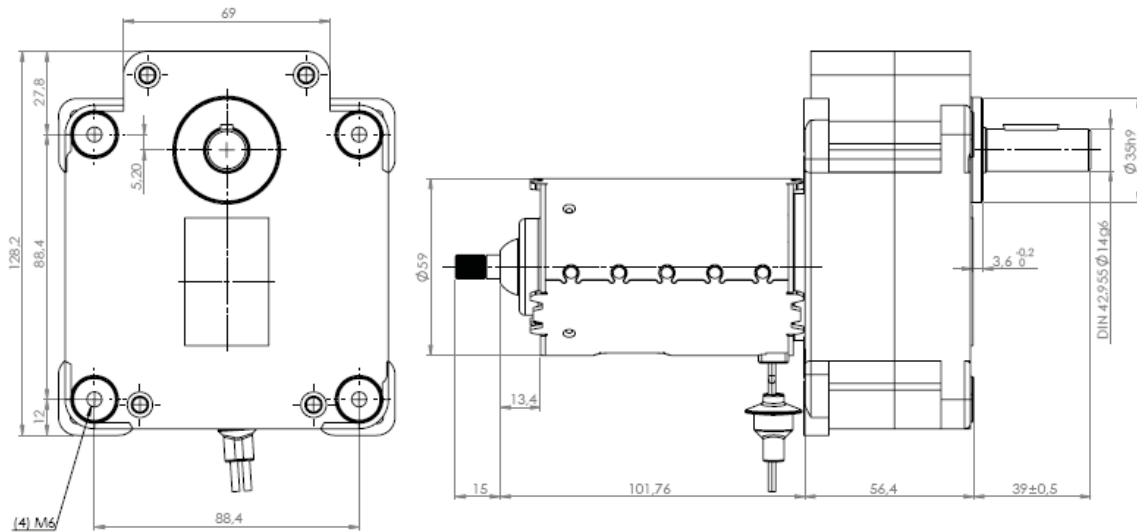


Gearbox + Motor **K200-CPB**



K200

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 25 Nm, steady load.

- **Box.** Made of die-cast light alloy. Frontal mounting by four M6 threaded holes.
- **Gearset.** Hobbed helical gear set with steel pinions and gear wheels with case superficial heat anti-friction treatment. The intermediate gears incorporate and turn on ball bearings.
- **Output shaft.** Ø14 mm steel shaft, 39 mm usable length, with keyway for DIN 6888 4x6.5 mm curved key. Incorporates and turns on ball bearings.
- **Output shaft load:**

Pull axial direction	1.000 N ≈ 100 Kg.
Push axial direction	750 N ≈ 75 Kg.
Radial direction, at 15 mm from box	1.000 N ≈ 100 Kg.

■ **Lubrication.** Kluber Staburags, NBU 12/300 grease.

■ **Weight.** With maximal number of stages: 2.33 Kg.

MOTOR COUPLING:

■ **Direct C.:** Bosch CPB type, 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: BOSCH CPB**

Bosch CPB 24V

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)
9,82	2	7,95	442,97	376,78	1,78
18,78	2	15,21	231,63	197,02	3,41
31,12	3	22,69	139,78	118,89	5,08
56,34	3	41,07	77,21	65,67	9,21
93,35	4	61,25	46,60	39,64	13,73
119,78	4	78,59	36,32	30,89	17,61
162,36	4	106,52	26,79	22,79	23,88
199,38	4	130,81	21,82	18,56	
310,61	5	183,41	14,00	11,91	
398,52	5	235,32	10,92	9,28	

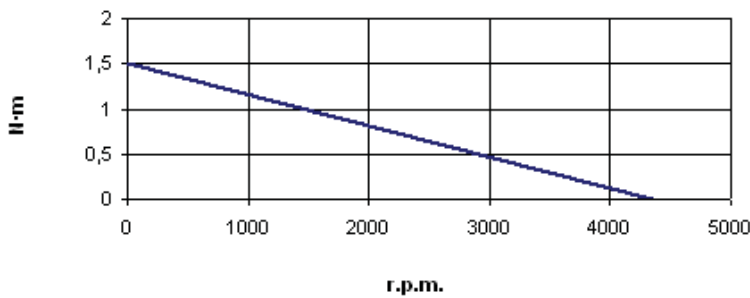
NO LOAD SPEED/NOMINAL TORQUE
Motor CPB-24V= 4350 r.p.m./1,5Nm.

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

Ex Exceeds maximal admissible torque

CURVES

Bosch CPB 24V



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.