

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	

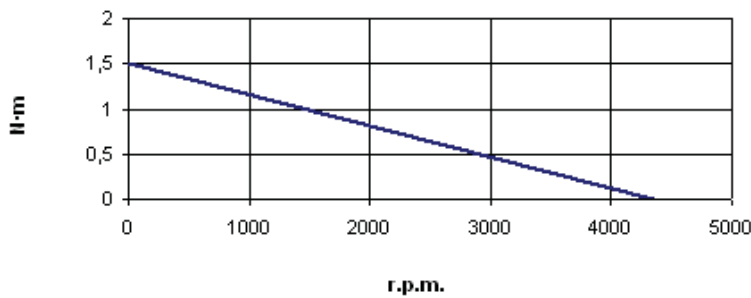
NO LOAD SPEED/NOMINAL TORQUE
Motor CPB-24V= 4350 r.p.m./1,5Nm.

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.