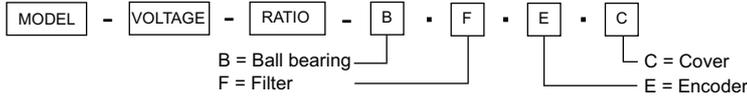


## PD4266 GEARED MOTOR SERIES 12 AND 24V TYPE

Brush commutator planetary dc gear motors with strong metal gears of straight type manufactured by milling machine process. Only the motor shaft gear pinion is made of bakelite for noise reduction purpose. The output shaft is made in hardened stainless steel and has a ball bearing output as standard. This is marked as a B in the part description. For electric noise suppression the dc motors have as standard and if available integral filters as either with varistor and / or capacitor. This is marked as a F in the part description. There are options for encoder assembly and special adaptations. All motors are produced under strict high quality production standards and are tested and inspected prior to delivery.



### MODEL NO. DESIGNATIONS



Example: PD3046-12-14-BFEC

### GEAR HEAD DATA

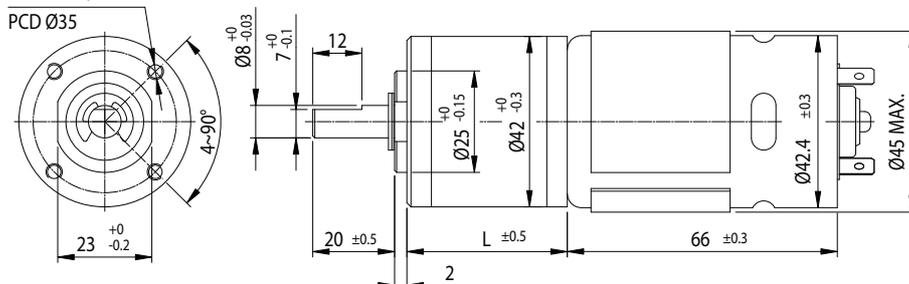
- Ball bearing
- Planetary gear
- Backlash at no load  $\leq 3^\circ$
- Radial (10mm from flange) load  $\leq 8\text{kg}$
- Axial load  $\leq 3\text{kg}$
- Press fit max.  $\leq 15\text{kg}$
- Radial play  $\leq 0.04\text{mm}$
- Thrust play  $\leq 0.3\text{mm}$

### GEARED MOTOR DATA - 24V

Reduction	4:1	14:1	17:1	24:1	49:1	61:1	84:1	104:1	144:1	212:1	294:1	504:1	624:1	720:1	864:1	1062:1	1470:1	2500:1	3000:1	3600:1
Number of stages	1	2	2	2	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5
Rated torque (kg-cm)	1.8	5.4	6.6	9.5	16	18	18	20	20	25	25	30	30	30	30	30	30	30	30	30
Rated speed (rpm)	1445	420	340	240	122	102	77.5	63	47	31	23.8	13.5	10.9	9.5	8	6.5	4.6	2.7	2.3	1.9
Length L1 (mm)	32.5	39.2	39.2	39.2	45.9	45.9	45.9	45.9	45.9	52.6	52.6	52.6	52.6	52.6	52.6	59.3	59.3	59.3	59.3	59.3
Weight (g)	499	551	551	551	591	591	591	591	591	641	641	641	641	641	641	686	868	686	686	686

### APPEARANCE SIZE

4~M4x6 dp.



### MOTOR FEATURES

- Precious metal brush commutator dc motors
- Gears in steel manufactured by milling process
- Ball bearing supported gear shaft if (B)
- Integrated electric noise suppression filter if (F)
- Custom adaptations are possible
- Encoder version is available
- Operating temp. range -10...+60 °C

### MOTOR DATA

Rated volt (V)	Rated torque (g-cm)	Rated speed (rpm)	Rated Current (mA)	No load speed (rpm)	No load current (mA)	Rated output (W)
12	700	5700	$\leq 5500$	7000	$\leq 900$	41.3
24	570	5900	$\leq 2100$	7000	$\leq 500$	34.7

