- Over 30 YEARS Supplying Africa -

BirCraft

GEARED MOTORS - LINEAR ACTUATORS - CONTROLS

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National Sales: **0861 BIRCRAFT** National Sales: **086 124 7272** Cell: **074 465 1744**

BEE Certified

SHORT FORM SELECTION

Synchronous, DC & Stepper - Micro Gear Motors

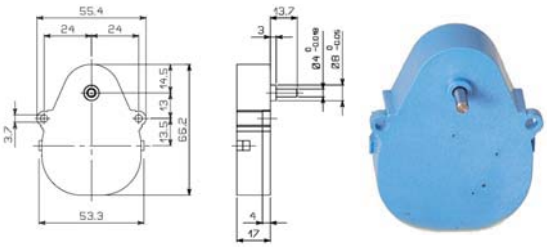
Applications: Vending, Timers, Clocks, Peristaltic Pumps, Chart Recorders, Mixers / Stirrers, Advertising & Office Equipment, Labelling machines, Medical machines, Ice makers, Potentiometers and many others.

Other products and ratios available on request | *** Special import**

	MODEL	* M80 DC		M83 DC		M84 DC	
***M80 M83 M84**	**Volt DC**	12v	24v	12v	24v	12v	24v
	No load AMPS	0.96	1.44	1.5	1.2	2.2	2.4
	Max Effy speed in Rpm	4340	5360	6415	6550	8525	9760
Ø 28 x 49 mm	**Running torque in Ncm**	0.32	0.43	0.63	0.53	0.86	0.86

M51	**MODEL**	**M51**
	Volt DC	12, 24, 36, 110, 230v
	No load AMPS	3.6
	Max Effy speed in Rpm	500
Ø 50 x 15 mm	**Running torque in Ncm**	0.55
***M41**	**MODEL**	***M41**
	Volt DC	12, 24, 36, 110, 230v
	No load AMPS	5.5
	Max Effy speed in Rpm	500
	Running torque in Ncm	1.5

M52 & *M72	**MODEL**	**M52**	***M72 15º Stepper**
	Volt DC	AC 12, 24, 36, 110, 230v	DC 12v
	No load AMPS	4	5.5
	Max Effy speed in Rpm	500	24 Steps per rev
Ø 50 x 30 mm	**Running torque in Ncm**	1.6	2
M54 & *M74	**MODEL**	**M54**	***M74 15º Stepper**
	Volt DC	AC 12, 24, 36, 110, 230v	DC 12v
	No load AMPS	6.1	11
	Max Effy speed in Rpm	500	24 Steps per rev
Ø 50 x 60 mm	**Running torque in Ncm**	3.2	4

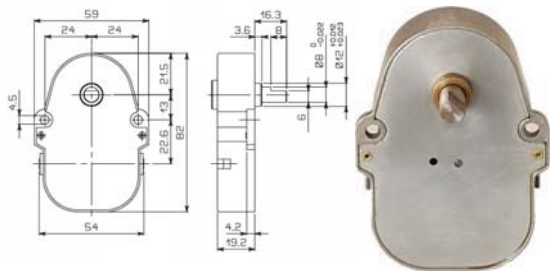


A: 3.7 **D: 24** **G: 13.5**
B: 55.4 **E: 14.5** **H: 66.2**
C: 24 **F: 13** **I: 53.3**

W01 = Max Torque 80Ncm
***W02 = Max Torque 150Ncm**

Output shaft Ø 4mm

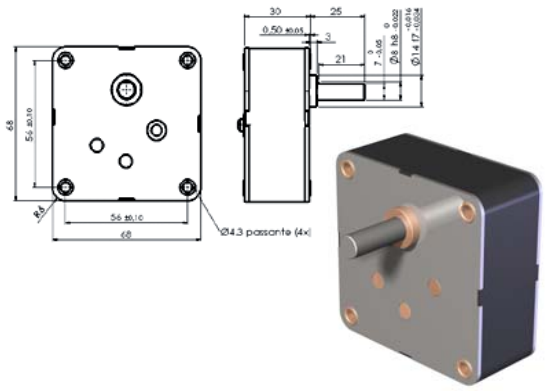
RATIOS 8.3, 10, 20, 25, 50, 83, 125, 166, 250, 500, 1000, 1250, 25K, 50K, UP TO 18 Million



A: 4.5 **D: 24** **G: 22.6** ***W10 = Max Torque 200Ncm**
B: 59 **E: 21.5** **H: 82** ***W11 = Max Torque 200Ncm**
C: 24 **F: 13** **I: 54** **W12 = Max Torque 250Ncm**
***W13 = Max Torque 500Ncm**

Output shaft Ø 8mm

RATIOS 8.3, 16, 25, 50, 83, 125, 250, 500, 1000, 5000



Dimensions 68 x 68 x 30/38 nm

Output shaft Ø 8 mm

W20 RATIOS 6,25 to 5000

***W20 = Max Torque 6 Nm**
Max. input speed = 3000 rpm

VOLTAGES AVAILABLE:
12, 24, 48, 110, 220 AC – 50/60 Hz
12v- 24v DC
***DC to AC CONVERTORS also AVAILABLE**

FORMULA:

A.	**Motor RPM ÷ Required Output Speed = Gear Ratio**
B.	**Motor Torque x Gear Ratio x 0.6 Eff. = Output Torque** (Ncm)
C.	**Be Aware of the Max Torque Permitted**

(SPECS FOR GUIDELINES ONLY)

MecVel BAUER SPG BODINE BALDOR REO-PRECILEC LEESON maxon
PARVALUX GEFEC-NECKAR Servomech HANNING RELIANCE ENGEL HUBNER FIBER Oriental STM