



**SONCEBOZ**

## ► Hybrid stepper motor

**6540-13**



**ROBUSTNESS**



**HIGH PROTECTION DEGREES**



**ACCURACY**

- Step angle..... **1.8°**
- Size ..... **42 x 42 mm**
- Weight ..... **200 g**
- Holding torque ... **130/90 mNm**

The hybrid stepper motor comes into its own where torque at low speed, positioning, and accuracy are determining factors.

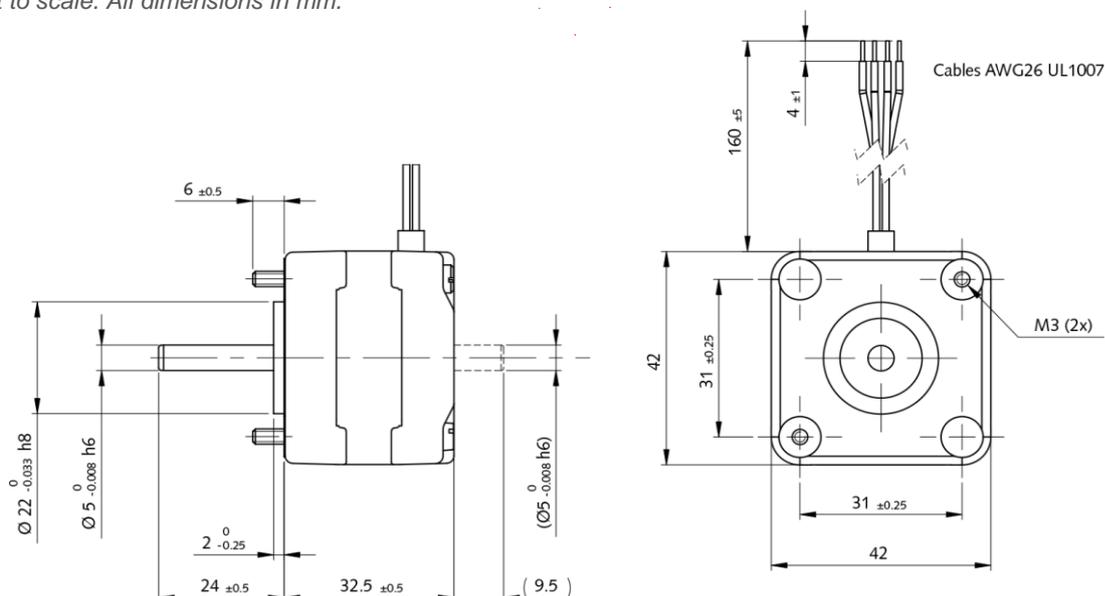
### ► Technical data

	Part N°	Phase resistance [Ω]	Phase inductance [mH]	Phase current [A]	Holding torque [mNm]	Nominal power [W]
Bipolar	6540-13-2-2 6540R300	2	2.7	1.12	130	5
	6540-13-2-9 6540R302	9	13	0.52	130	5
	6540-13-2-36 6540R304	36	37	0.26	130	5
Unipolar	6540-13-4-2 6540R306	2	1.5	1.12	90	5

Steps/rev.	<b>200</b>
Step accuracy	<b>± 5%</b>
Rotor inertia	<b>18 gcm<sup>2</sup></b>
Insulation class	<b>B 130 °C</b>
Protection	<b>DIN 40050 IP 30</b>
Test voltage	<b>500 VAC</b>
Detent torque	<b>10 mNm</b>

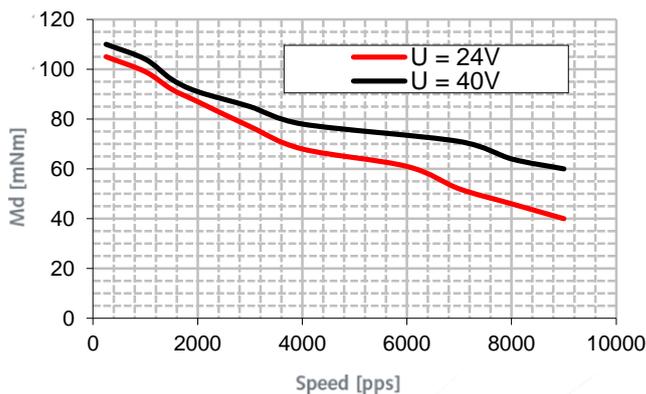
### ► Dimensions

Drawing not to scale. All dimensions in mm.

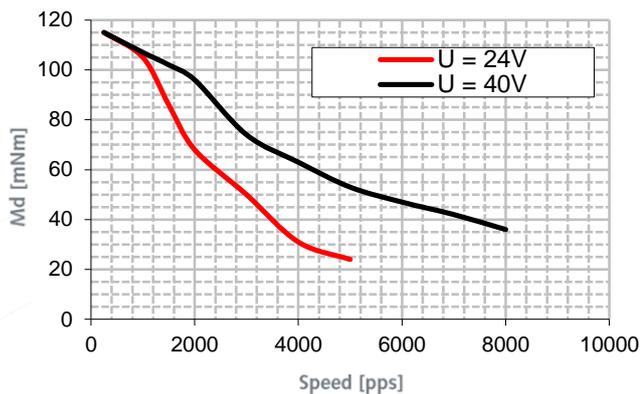


► Dynamic characteristics

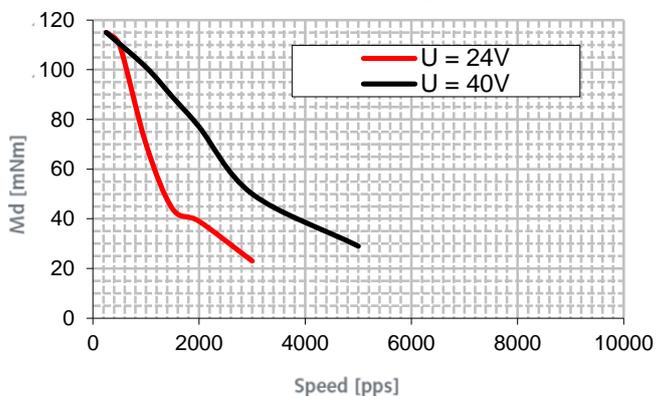
• 6540-13-2-2



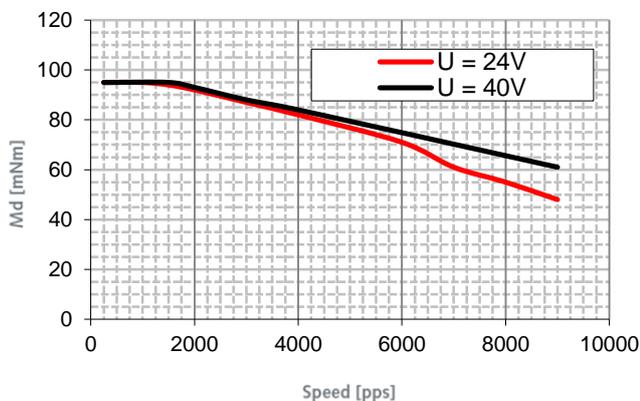
• 6540-13-2-9



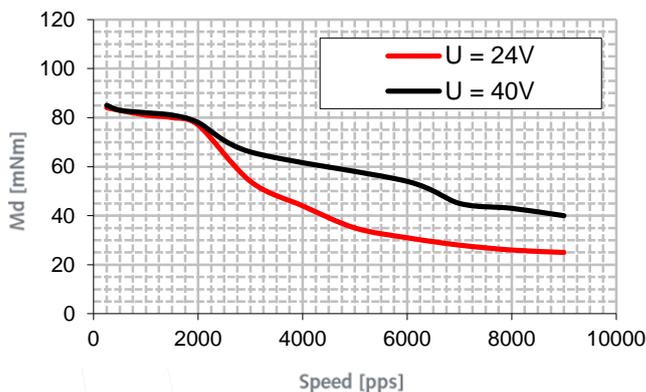
• 6540-13-2-36



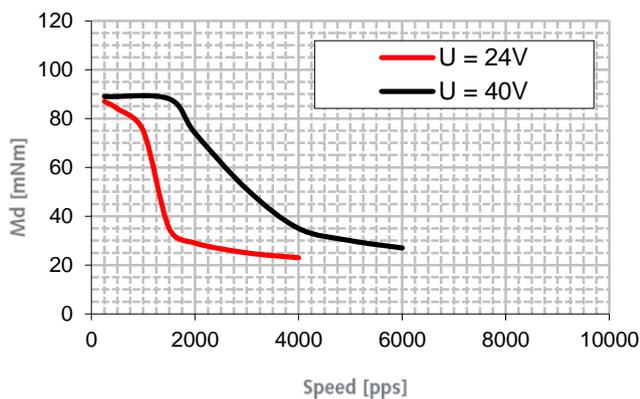
• 6540-13-4-2



• 6540-13-4-9



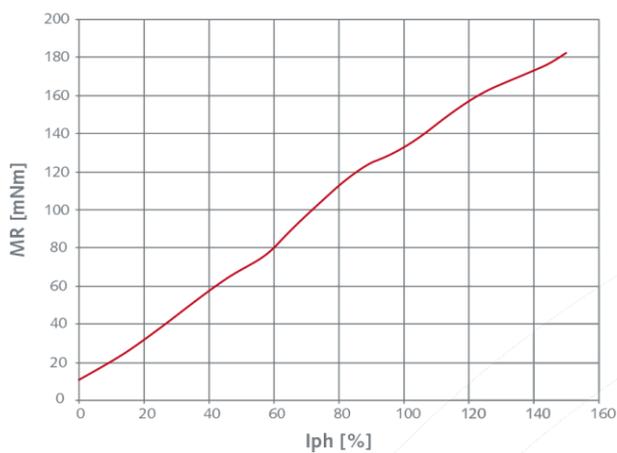
• 6540-13-4-36



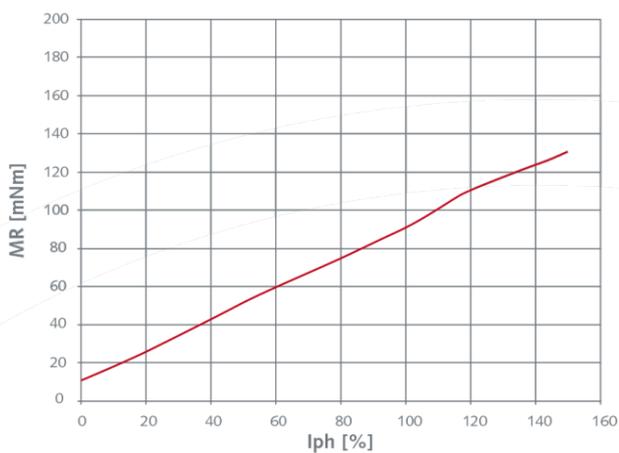
[pps] = pulses per second

► Static characteristics

• 6540-13-2 Series

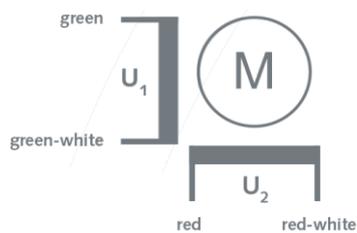


• 6540-13-4 Series



► Electrical Interface

• Bipolar



• Unipolar

