



Product Datasheet

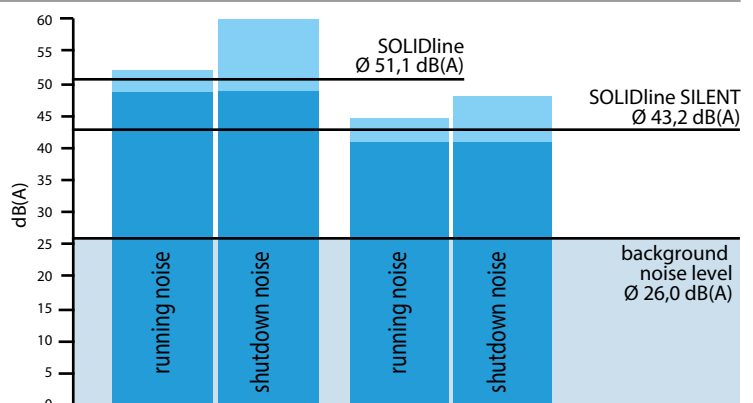
GEIGER-SOLIDline SILENT – For folding arm awnings and facade awnings

Introduction

The SOLIDline SILENT was specifically designed for the low-noise operation of folding arm awnings and facade awnings. A special bearing allows a significant reduction of the running noise as well as of the vibrations that are transmitted from the motor.

Test Results

Tests realized in a facade awning have shown a significant reduction of the running noise (about 8 dB (A)) and of the shutdown noise (about 11 dB (A)). 6dB (A) correspond to a halving of the noise level.



Components

Motor head

The SOLIDline SILENT is exclusively delivered with the motor head SIL. The six additional bolts (Ø 8 mm) are pressed into the existing holes (pitch circle 60 mm).

Bearing

The two-piece motor bearing consists of a base plate and a plastic damping. The base plate has respectively two holes with M6 threads (TK Ø 48 mm) and M8 threads (TK Ø 60 mm). The damping is available in two hardness grades. The soft damping is applicable up to 12 Nm output torque, the hard one up to 40 Nm. Base plate and damping are together 14 mm thick.

Counter-bearing

With regard to the folding arm awnings a counter-bearing can be used in order to achieve a further reduction of the vibrations.

Controls

The SOLIDline SILENT is available with all controllers.

Speed

The motor can be supplied with speeds between 16 1/min and 134 1/min.

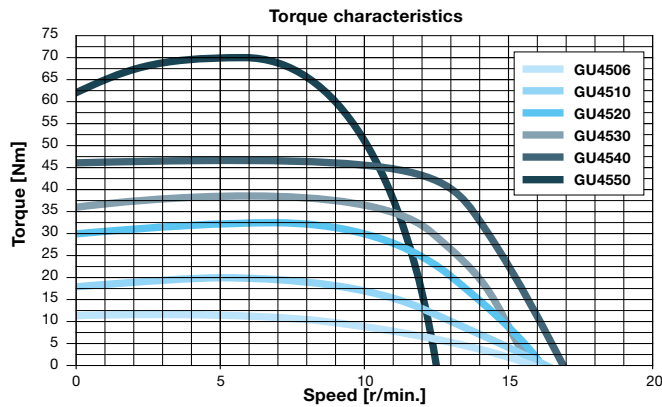


Motor bearing: base plate and damping element



Counter-bearing: base plate, damping element and shaft receiver

Technical data



Technical data of tubular motor SOLIDline SIL (GU45..)

	GU4506	GU4510	GU4520	GU4530	GU4540	GU4550
Voltage	230V~/50 Hz					
Current	0,36 A	0,47 A	0,63 A	0,8 A	1,0 A	1,0 A
Cos Phi (cosφ)	>0,95					
Inrush current (factor)	x 1,2					
Power	83 W	105 W	140 W	180 W	220 W	220 W
Torque	6 Nm	10 Nm	20 Nm	30 Nm	40 Nm	50 Nm
Speed	16 rpm	16 rpm	16 rpm	16 rpm	16 rpm	12 rpm
Protection class	IP 44					
Total length (without trunnion)	506,5 mm	516,5 mm	546,5 mm	566,5 mm	586,5 mm	586,5 mm
Operating mode	S2 4 min	S2 4 min	S2 5 min	S2 4 min	S2 4 min	S2 4 min
Diameter	45 mm					
Weight	approx 1,85 kg	approx 1,90 kg	approx 2,20 kg	approx 2,40 kg	approx 2,70 kg	approx 2,70 kg
Storage temperature/Humidity	T = -15°C .. +70°C / dry and non-condensing place					

Subject to technical modifications. Please find information to the ambient temperature range of our GEIGER motors under www.geiger.de



The name GEIGER Antriebstechnik is synonymous worldwide for drive solutions in the sun protection area.

Today we are with more than 300 employees one of the leading manufacturers of mechanical and electrical drives for Venetian blinds, awnings and rolling shutters.

GEIGER is a well-known, mid-sized company which offers worldwide drive components for the sun protection systems.