

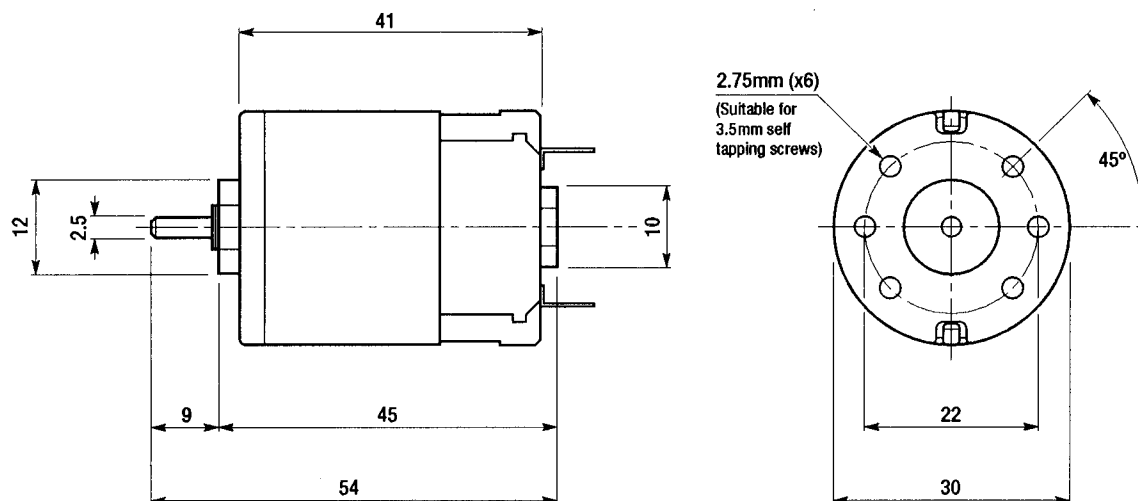
**Bühler - Type 1.13.021.609**

Manufacturer - Bühler

Supplier - Proops and Surplus traders

'Proops or short Bühler'**Construction:**

Cylindrical totally enclosed frame, single shaft extension, end mounting screws.



Nominal voltage: 24

Note: Voltage is at the motor terminals. It is recommended that the supply voltage be 2 V higher to allow for feeder and contact drop.

Performance at	12V	16V	22V
No-load speed (rpm)	5145	6860	9432
Stalled torque (g.cm)	270	360	495
No-load current (A)	0.04	0.05	0.06
Stalled current (A)	1.2	1.6	2.2
Power output at 75% no-load speed (W)	2.7	5.03	9.0

Nominal gear ratios			
Express passenger and mixed traffic steam locos	-	14/1	20/1
Secondary duty passenger and freight locos	14/1	19/1	26/1
Diesel and electric locos	6/1	8/1	11/1

Data source: Guild test (11/11/93)

Comment:

This motor is no longer in production but sometimes appears on the retail market. It was originally fitted to Ronson hair dryers and when production of these ceased a large number of surplus motors were bought by Proops, then in Tottenham Court Road, and some other traders. It is suitable for all applications on 18 and 24 volts and for secondary duties on 12 Volts.