**Bühler**

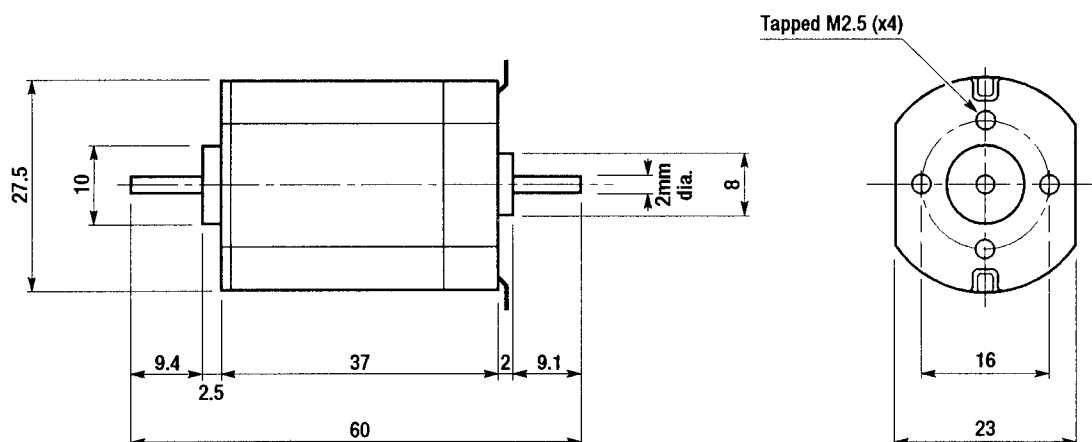
Manufacturer - Bühler
Supplier - MSC Models Ltd.

**JH (Early 3 pole design)
(serial nos 1199 and below)**

(No longer in production)

Construction:

Flat sided totally enclosed frame, double shaft extension, end mounting screws.



Nominal voltage: 12

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)	5720	7626	10486
Stalled torque (g.cm)	200	267	367
No-load current (A)	0.09	0.11	0.13
Stalled current (A)	1.3	1.73	2.38
Power output at 75% no-load speed (W)	2.2	3.9	7.4

Nominal gear ratios			
Express passenger and mixed traffic steam locos	-	16/1	22/1
Secondary duty passenger and freight locos	16/1	21/1	29/1

Data source: Guild test

Comment:

This motor is included for historical record. It was superseded by the second version (shown on data sheet M1/1.2) in about 1985. On 12 volts the power output was adequate only for secondary passenger and slow freight duties unless fitted with high efficiency gears but it was suitable for use on up to 24 volts.

It was available with a 25/1 gearbox.