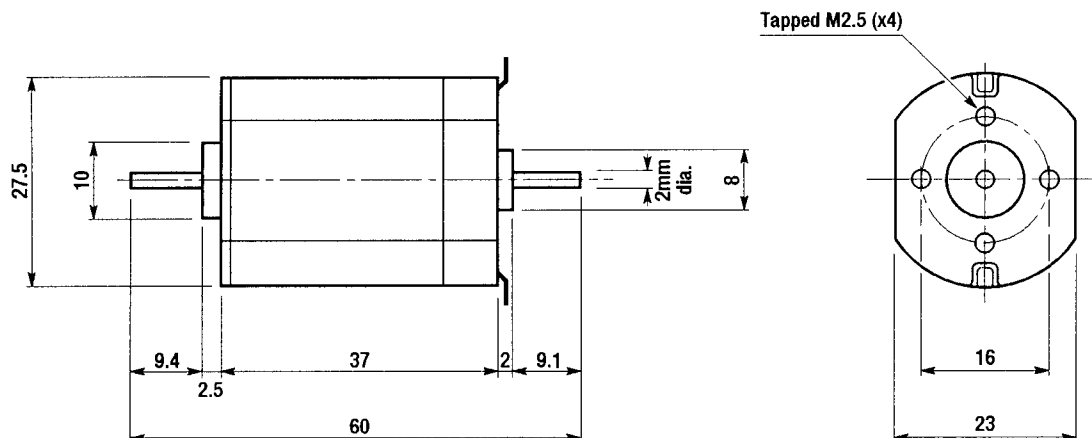
**Bühler - Type 1.16.037.038****JH (pre 1994, 5 pole design)
(serial nos 1200 and above)**

Manufacturer - Bühler

Supplier - MSC Models Ltd.

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.

<i>Performance at</i>	<i>12V</i>	<i>16V</i>
No-load speed (rpm)	11500	15330
Stalled torque (g.cm)	264	352
No-load current (A)	0.25	0.28
Stalled current (A)	3.0	4.0
Continuous rated current (A)	0.9	0.9
Power output at 75% no-load speed (W)	8.2	14.6

<i>Nominal gear ratios</i>		
Express passenger and mixed traffic steam locos	24/1	32/1
Steam freight locos	32/1	43/1
Diesel and electric locos	14/1	18/1

Data source: Manufacturer's Data Sheet and Guild test

Comment:

A motor suitable for supply voltages from 12 to 18. Despite its small size its high speed gives it a power output sufficient for all likely duties. It is not considered suitable for supply voltages above 18.

Available with 25/1 gearbox.