

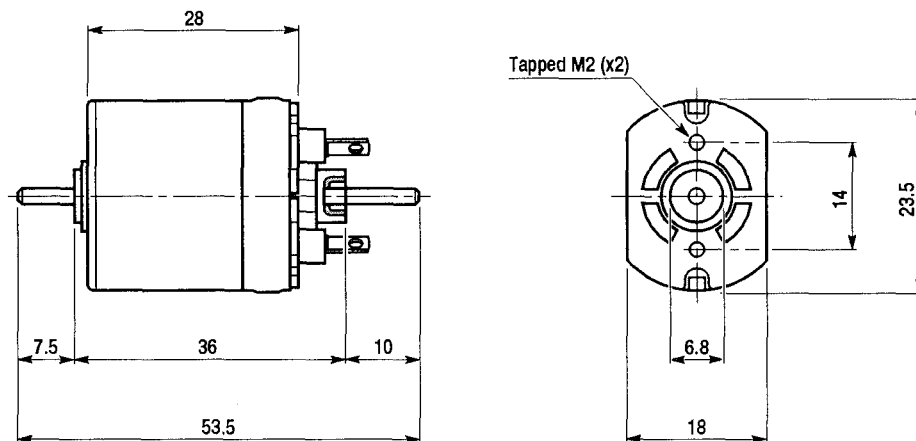
**Bühler - Type 1.16.011.139****SM (MSC)**

Manufacturer - Bühler

Suppliers - MSC Models and AMR Electronics.

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 2V higher to allow for feeder and contact drop.

Performance at	12V	16V
No-load speed (rpm)	10000	13300
Stalled torque (g.cm)	120	160
No-load current (A)	0.1	0.12
Stalled current (A)	1.0	1.3
Power output at 75% no-load speed (W)	2.3	4.1

Nominal gear ratios		
Secondary duty passenger and freight locos	28/1	38/1
Two motor diesel and electric locos	14/1	19/1
Diesel and electric multiple units	12/1	16/1

Data source: Manufacturer's Data Sheet

Comment:

Suitable for secondary duty steam locomotives, diesel and electric multiple units and two motor diesel and electric locomotives.