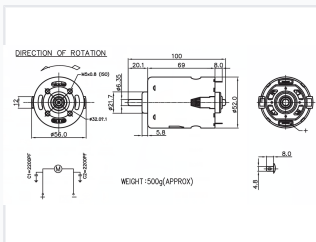


# Brushed DC Motor for Sewing Machines

This carbon-brush DC motor is commonly used in sewing machines and other small appliances. It features a cylindrical metal housing with ventilation slots for cooling and utilizes carbon brushes to conduct current, enabling continuous rotation.

MODEL	VOLTAGE		NO. LOAD		AT MAXIMUM EFFICIENCY				STALL
	OPERATING RANGE	NOMINAL VOLTAGE	SPEED (RPM)	CURRENT (A)	POWER (W)	EFFICIENCY (%)	EFF. CURRENT (A)	CURRENT (A)	
9B12-1974	90-150V	125V	10000	0.20	8300	1.55	1000	17.24	19.24
9B24-1629	90-150V	125V	10200	0.23	8500	1.15	1024	107.25	92.23
								85	8.00
								5880	578.47

## ADDITIONAL IMAGES



## Overview

### High-Performance Sewing Machine Motor

This brushed DC motor is engineered specifically for sewing machine applications, offering reliable power and consistent performance. The unit features a robust cylindrical metal housing with integrated ventilation slots to ensure effective cooling during operation. Designed for versatility, it supports a wide operating voltage range and provides multiple performance configurations to suit various sewing machine requirements.

## Mechanical Dimensions

Motor Diameter	56 mm
Shaft Diameter	6.35 mm
Body Length	100 mm
Shaft Length	21.7 mm
Mounting Hole Specification	M5x0.8 (ISO)
Approximate Weight	500 g

## Electrical Specifications

Operating Voltage Range	90-150V
Nominal Voltage	125 V
Suppression Capacitors	C1=2200PF, C2=2200PF

## Performance Data

### Performance Comparison

Model	No-Load Speed (rpm)	Max Efficiency Speed (rpm)	Max Efficiency Torque (mN-m)	Efficiency (%)
9812-1974	11000	9300	97.94	73
9824-1639	10200	8200	107.25	65