



- Protection class: 0
- Insulation class: F
- Motor shaft: Ck 45.
- Thermal Protector: 90°C on/off
- Cables: H05V-K 0.75mm² VDE approved
- Bearings: Sinter Bronze.

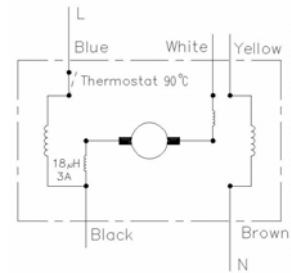
The technical drawing illustrates the dimensions and wiring for a thermostat. The left view shows the front face with a central circular area containing four terminals labeled 1, 2, 3, and 4. A central screw is also present. Dimensions include a total width of 80mm, a central hole diameter of $\phi 9$, and a mounting flange diameter of $\phi 62.5$. The right view shows the side profile with a total height of 171 ± 0.2 mm and a mounting flange thickness of 4 ± 0.2 mm. The thermostat model is identified as SN7M-02S-A5.

Wiring Labels:

- Dip Terminal 0.8x5.30mm, 5pcs
- PVG Insulator 5pcs
- White
- Brown
- Yellow
- Black
- Female Terminal 0.50x2.8mm, 1pc
- Blue

Dimensions:

- 80
- $\phi 9$
- 15
- 26
- $\phi 62.5$
- 38
- 90
- M5
- 4 ± 0.2
- 35.2
- 19.6
- 35.2
- 146.8 ± 0.5
- 171 ± 0.2
- 20.2 ± 0.15
- 90
- 90
- 14
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The graph displays the performance characteristics of a DC motor. The x-axis represents Torque in N.cm, ranging from 0 to 70. The left y-axis represents Speed in R.P.M., ranging from 0 to 25000. The right y-axis represents Efficiency in %, ranging from 0.0 to 100.0. The graph includes five curves: Speed (red), Efficiency (black), Current (blue), Power In (brown), and Power Out (green). The Speed curve starts at 20000 R.P.M. at 0 torque and decreases as torque increases. The Efficiency curve starts at 0% at 0 torque, peaks at approximately 45% efficiency around 15 N.cm torque, and then decreases. The Current curve starts at 0 A at 0 torque and increases linearly to approximately 5 A at 70 N.cm torque. The Power In curve starts at 0 W at 0 torque and increases linearly to approximately 3500 W at 70 N.cm torque. The Power Out curve starts at 0 W at 0 torque, peaks at approximately 2500 W around 40 N.cm torque, and then decreases.

Torque (N.cm)	Speed (R.P.M.)	Efficiency (%)	Current (A)	Power In (W)	Power Out (W)
0	20000	0.0	0.0	0.0	0.0
10	17000	40.0	1.0	350.0	1000.0
20	14000	45.0	2.0	700.0	1700.0
30	11000	42.0	3.0	1050.0	2200.0
40	8000	38.0	4.0	1400.0	2500.0
50	5000	32.0	5.0	1750.0	2300.0
60	2000	25.0	6.0	2100.0	2000.0
70	0	20.0	7.0	2450.0	1500.0

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