

T-N curve

TMRW43L

Torque(Nm)

DC BUS=600 V_{DC}

Peak torque
— T_p

Continuous torque with water cooling
— T_c

Continuous torque with free air convection
— T_c

Rated speed
.....

Speed(rpm)

The graph shows the torque-speed characteristics of the TMRW43L motor. The y-axis represents Torque in Nm, ranging from 0 to 140. The x-axis represents Speed in rpm, ranging from 0 to 2000. The peak torque (T_p) is 120 Nm, maintained up to 1000 rpm. The continuous torque with water cooling (T_c) is 63 Nm, maintained up to 1500 rpm. The continuous torque with free air convection (T_c) is 28 Nm, maintained up to 1500 rpm. The rated speed is 1500 rpm, indicated by a vertical dotted line.

TMRW43L

DC BUS=325 V_{DC}

Peak torque
— Tp

Continuous torque with water cooling
— Tc

Continuous torque with free air convection
- - Tc

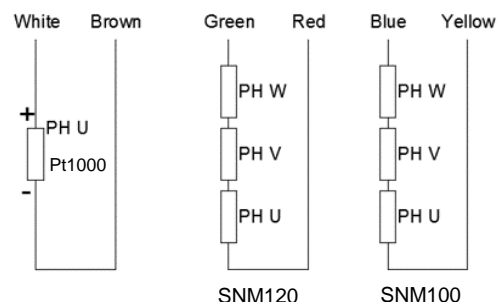
Rated speed
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Torque(Nm)

Speed(rpm)

The graph shows the torque-speed characteristics of the TMRW43L motor. The y-axis represents Torque in Nm, ranging from 0 to 140. The x-axis represents Speed in rpm, ranging from 0 to 1000. The peak torque (Tp) is a solid blue line that starts at 120 Nm and drops to 0 at approximately 850 rpm. The continuous torque with water cooling (Tc) is a solid blue dashed line at 64 Nm. The continuous torque with free air convection (Tc) is a red dashed line at 28 Nm. The rated speed is indicated by a vertical dotted line at approximately 850 rpm.

Thermal sensor

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