Front view and mounting

Side view

Rear view

Please regard the application note at www.nanotec.com for further informations.

Shaft play is adjustable at the motor.

SPECIFICATION

AMPS/FREQUENCY 0.67
RESISTANCE/PHASE (Ohms) @ 25°C 5.615%
INDUCTANCE/PHASE (mH) @ 1kHz 4.0±20%
SPINDLE PITCH (mm) [in] 5 [0.197]
THRUST (N) [lb] 30 [6.74]
RESOLUTION (mm/STEP) 0.025
STATIC THRUST (N) [lb] (NO CURRENT) 13
MAX. SPEED (mm/sec.) AT 48V 100
MAX. SPEED WITH MAX. THRUST (mm/sec.) AT 48V 50
WEIGHT (Kg) [lb] 0.11 [0.242]
TEMPERATURE RISE: MAX. 80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)
AMBIENT TEMPERATURE -10°C ~ 50°C [14°F ~ 122°F]
INSULATION RESISTANCE 100 MΩ (UNDER NORMAL TEMPERATURE AND HUMIDITY)
INSULATION CLASS B 130° [266°F]
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)

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