

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12674790

Catalog # : 00118OT3P143T-S

Frame : 143/5T
 Output : 1 HP (0.75 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 200 V
 Rated current : 3.47 A
 L. R. Amperes : 27.8 A
 LRC : 8.0x(Code L)
 No load current : 2.20 A
 Rated speed : 1760 rpm
 Slip : 2.22 %
 Rated torque : 0.412 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 360 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0046 kgm²
 Design : B

Locked rotor time : 39s (cold) 22s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 52.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 15.6 kg

Output	25%	50%	75%	100%
Efficiency (%)	79.9	81.5	84.0	85.5
Power Factor	0.29	0.51	0.65	0.73

Foundation loads

Efficiency (%)	79.9	81.5	84.0	85.5
Power Factor	0.29	0.51	0.65	0.73

Max. traction : 34 kgf
 Max. compression : 50 kgf

	Drive end	Non drive end
Bearing type :	6205 ZZ	6203 ZZ
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	-	-
Lubricant amount :	-	-
Lubricant type :	Mobil Polyrex EM	

Notes

This revision replaces and cancel the previous one, which must be eliminated.
 (1) Looking the motor from the shaft end.
 (2) Measured at 1m and with tolerance of +3dB(A).
 (3) Approximate weight subject to changes after manufacturing process.
 (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	31/07/2023		1 / 1	