DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	13459655
		Catalog # :	00152OT3E182T-S

Frame	: 182/4T	Locked rotor time	: 82s (cold) 46s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.50/2.25 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 29.3/14.6 A	Mounting	: F-1
LRC	: 6.5x(Code J)	Rotation¹	: Both (CW and CCW)
No load current	: 2.74/1.37 A	Noise level²	: 52.0 dB(A)
Rated speed	: 1165 rpm	Starting method	: Direct On Line
Slip	: 2.92 %	Approx. weight³	: 25.6 kg
Rated torque	: 0.934 kgfm		
Locked rotor torque	: 200 %		
Breakdown torque	: 310 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0092 kgm²		
Design	: B		

Output	25%		50%		75%		100%	
Efficiency (%)	82.8	84.0	84.0	83.3	85.5	84.1	86.5	82.8
	80.8		81.2		83.5		83.5	
Power Factor	0.29	0.35	0.51	0.59	0.63	0.71	0.71	0.77
	0.29		0.51		0.64		0.72	

Foundation loads

Max. traction	: 53 kgf
Max. compression	: 79 kgf

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6205 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	27/12/2023		1 / 1	

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