

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12675410

Catalog # : 00152ET3E182T-S

Frame : 182/4T
Output : 1.5 HP (1.1 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 4.44/2.22 A
L. R. Amperes : 30.6/15.3 A
LRC : 6.9x(Code K)
No load current : 2.73/1.36 A
Rated speed : 1170 rpm
Slip : 2.50 %
Rated torque : 6.73 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 340 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.2800 sq.ft.lb
Design : B

Locked rotor time : 99s (cold) 55s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 68.6 lb

Output	50%	75%	100%
Efficiency (%)	84.0	86.5	87.5
Power Factor	0.50	0.63	0.71

Foundation loads
Max. traction : 138 lb
Max. compression : 206 lb

	Drive end	Non drive end
Bearing type	6206 ZZ	6205 ZZ
Sealing	V'Ring	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	Mobil Polyrex EM	

Notes:
USABLE @208V 4.91A SF 1.00 SFA 4.91A

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		Page 1 / 1		
Checked by				
Date	13/03/2024			
		Revision		



NEMA
Premium



MADE IN MEXICO

MAT: 12675410 CC029A
W01.TE0IC0X0N
MODEL 00152ET3E182T-S

For 60Hz: Class I, Zone 2, IIC
Class I, Div.2, Gr. A,B,C,D - T3
DIV 2 Inverter Duty (SF1.00)
CT 2:1/VT 1000:1

PH 3	Hz 60	HP 1.5
FR 182/4T		KW 1.1
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		A 4.44/2.22
INS CL F AT 80K	IP55	SFA 5.11/2.55
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE K	PF 0.71
		RPM 1170
		NEMA NOM. EFF 87.5%

ALTERNATE RATING: 1.5HP	50Hz	190-220/380-415V	SF1.15
5.18-4.70/2.59-2.49A	955RPM	EFF 84.9%	(IE4) IEC 60034-1

For safe area-inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT

DE 6206-ZZ	ODE 6205-ZZ	MOBIL POLYREX EM
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T1-BLU T2-WHT
T3-ORG T4-YEL
T5-BLK T6-GRY
T7-PNK T8-RED
T9-RED BRK

INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.



AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.

