

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code : 14212540		
		Catalog # : 00336XT3E182TC		
Frame : 182/4TC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B		Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 126 lb Moment of inertia (J) : 0.1471 sq.ft.lb		
Output [HP]	3		3	
Poles	2		2	
Frequency [Hz]	60		50	
Rated voltage [V]	230/460		380	
Rated current [A]	7.52/3.76		4.44	
L. R. Amperes [A]	63.2/31.6		29.7	
LRC [A]	8.4x(Code K)		6.7x(Code H)	
No load current [A]	2.80/1.40		1.30	
Rated speed [RPM]	3510		2880	
Slip [%]	2.50		4.00	
Rated torque [ft.lb]	4.49		5.47	
Locked rotor torque [%]	250		210	
Breakdown torque [%]	400		300	
Service factor	1.15		1.00	
Temperature rise	80 K		80 K	
Locked rotor time	54s (cold) 30s (hot)		77s (cold) 43s (hot)	
Noise level <sup>2</sup>	69.0 dB(A)		64.0 dB(A)	
Efficiency (%)	25%	81.3	82.0	
	50%	82.5	82.5	
	75%	85.5	85.5	
	100%	86.5	85.5	
Power Factor	25%	0.48	0.55	
	50%	0.73	0.78	
	75%	0.81	0.85	
	100%	0.85	0.88	
Bearing type : <u>Drive end</u> 6307 2RS <u>Non drive end</u> 6206 2RS Sealing : Oil Seal Lip Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 65 lb Max. compression : 191 lb		
Notes USABLE @208V 8.32A SF 1.15 SFA 9.56A				
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
Performed by				
Checked by			Page	Revision
Date	12/10/2023		1 / 2	

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Customer : \_\_\_\_\_

### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	12/10/2023				




**W21X NEMA**  
**Premium**

14212540

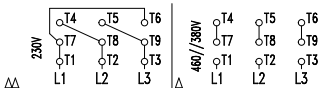
CC029A

*Inverter Duty Motor*  
*Severe Duty*


LISTED

MODEL 00336XT3E182TC

PH 3	FR 182/4TC	
HP(kW) 3.0(2.2)	HZ 60	IP55
V 230/460	A 7.52/3.76	
RPM 3510	NEMA NOM EFF 86.5%	
PF 0.85	SFA 8.65/4.32	DES B
INS CL F $\Delta$ T 80 K	SF 1.15	ENCL TEFC
DUTY CONT.	CODE K	ALT 1000 m.a.s.l.
AMB 40°C		
AMB 55°C SF1.0		
3.0HP 2.2kW 50Hz 380V 4.44A 2880RPM SF1.00 EFF 85.5% (IE2)		


 → 6307-2RS MOBIL POLYREX EM  
 → 6206-2RS

126 Lbs


 TEMP CODE T3C  
 CSA/UL: Class I - Div. 1 - Groups C and D  
 CSA: Class II - Div. 1 - Groups F and G  
 CSA: Class I - Zone 1 - IIB

EXPLOSION PROOF MOTOR

FOR USE ON VPWM VFD 1000:1VT, 20:1CT, 1.0SF, T3C, AMB 40°C.