

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase	Product code : 11355772 Catalog # : 12518ET3ERB444T-W22					
Frame : 444/5T Output : 125 HP Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 278/139 A L. R. Amperes : 1807/904 A LRC : 6.5x(Code G) No load current : 80.0/40.0 A Rated speed : 1780 rpm Slip : 1.11 % Rated torque : 51.0 kgfm Locked rotor torque : 200 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 2.41 kgm <sup>2</sup> Design : B	Locked rotor time : 48s (cold) 27s (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 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 73.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 709 kg					
Output            50%            75%            100% Efficiency (%)    95.0            95.4            95.4 Power Factor    0.74            0.82            0.85	Foundation loads Max. traction            : 825 kgf Max. compression       : 1534 kgf					
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
4.5	3.4	3.0	2.4	1.4	0.9	0.5
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		Drive end NU-319 C3 WSeal 5000 h 45 g Mobil Polyrex EM	Non drive end 6316 C3 WSeal 10000 h 34 g			
Notes USABLE @208V 307A SF 1.00 SFA 307A						
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	23/06/2023				1 / 1	