DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	11610562
		Catalog # :	00158ET3E145TC-W22

Frame	: 145TC	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 4.04/2.02 A	Protection degree	: IP55
L. R. Amperes	: 33.9/17.0 A	Cooling method	: IC411 - TEFC
LRC	: 8.4x(Code L)	Mounting	: F-1
No load current	: 2.20/1.10 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1755 rpm	Noise level[2]	: 51.0 dB(A)
Slip	: 2.50 %	Starting method	: Direct On Line
Rated torque	: 0.620 kgfm	Approx. weight[3]	: 23.9 kg
Locked rotor torque	: 290 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0060 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	81.3	82.5	85.5	86.5
Power Factor	0.35	0.60	0.70	0.79

Foundation loads	
Max. traction	: 56 kgf
Max. compression	: 80 kgf

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6204 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes
USABLE @208V 4.36A SF 1.15 SFA 5.01A

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	08/10/2020		1 / 1	

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