

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: Multimounting IE3 Three-Phase		Product code :	14052065
			Catalog # :	00436ET3YAL112MFF-W2
Frame	: 112M		Locked rotor time	: 28s (cold) 16s (hot)
Output	: 5.5 HP (4 kW)		Temperature rise	: 80 K
Poles	: 2		Duty cycle	: S1
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V		Altitude	: 1000 m.a.s.l.
Rated current	: 6.67 A		Protection degree	: IP55
L. R. Amperes	: 63.4 A		Cooling method	: IC411 - TEFC
LRC	: 9.5		Mounting	: B35L(E)
No load current	: 2.90 A		Rotation ¹	: Both (CW and CCW)
Rated speed	: 3515 rpm		Noise level ²	: 64.0 dB(A)
Slip	: 2.36 %		Starting method	: Direct On Line
Rated torque	: 1.14 kgfm		Approx. weight ³	: 38.8 kg
Locked rotor torque	: 280 %			
Breakdown torque	: 440 %			
Insulation class	: F			
Service factor	: 1.25			
Moment of inertia (J)	: 0.0080 kgm ²			
Design	: N			
Output	25%	50%	75%	100%
Efficiency (%)	84.3	85.5	87.5	88.5
Power Factor	0.42	0.67	0.79	0.85
	Foundation loads			
			Max. traction	: 90 kgf
			Max. compression	: 129 kgf
		<u>Drive end</u>		<u>Non drive end</u>
Bearing type	:	6207 ZZ		6206 ZZ
Sealing	:	V'Ring		V'Ring
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
Performed by				
Checked by			Page	Revision
Date	24/09/2020		1 / 1	