

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Multimounting IE3 Three-Phase	Product code : 14052065 Catalog # : 00436ET3YAL112MFF-W2			
Frame : 112M Insulation class : F Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N	Cooling method : IC411 - TEFC Mounting : B35L(E) Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>2</sup> : 86.3 lb Moment of inertia (J) : 0.1898 sq.ft.lb			
Output [HP]	5.5	5.5		
Poles	2	2		
Frequency [Hz]	50	60		
Rated voltage [V]	380	460		
Rated current [A]	7.83	6.67		
L. R. Amperes [A]	60.3	63.4		
LRC [A]	7.7	9.5		
No load current [A]	2.80	2.90		
Rated speed [RPM]	2890	3515		
Slip [%]	3.67	2.36		
Rated torque [ft.lb]	10.0	8.22		
Locked rotor torque [%]	229	280		
Breakdown torque [%]	310	440		
Service factor	1.25	1.25		
Temperature rise	80 K	80 K		
Locked rotor time	25s (cold) 0s (hot)	28s (cold) 0s (hot)		
Noise level <sup>2</sup>	64.0 dB(A)	64.0 dB(A)		
Efficiency (%)	25%			
	50%	88.0	85.5	
	75%	88.2	87.5	
	100%	88.2	88.5	
Power Factor	25%			
	50%	0.73	0.67	
	75%	0.83	0.79	
	100%	0.88	0.85	
Losses at normative operating points (speed;torque), in percentage of rated output power				
Losses (%)	P1 (0,9;1,0)	12.6	12.3	
	P2 (0,5;1,0)	9.9	9.6	
	P3 (0,25;1,0)	9.6	9.4	
	P4 (0,9;0,5)	7.3	7.0	
	P5 (0,5;0,5)	4.5	4.4	
	P6 (0,5;0,25)	3.3	3.2	
	P7 (0,25;0,25)	2.2	2.1	
Bearing type : 6207 ZZ	Drive end : 6207 ZZ	Non drive end : 6206 ZZ	Foundation loads Max. traction : 188 lb Max. compression : 275 lb	
Sealing : V'Ring	V'Ring	V'Ring		
Lubrication interval : -	-	-		
Lubricant amount : -	-	-		
Lubricant type : Mobil Polyrex EM				
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.			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
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Customer : \_\_\_\_\_

Notes

Rev.	Changes Summary	Performed	Checked	Date
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Checked by			Page	Revision
Date	07/11/2023		2 / 2	

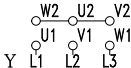


**WEG Premium****W21 Tru-metric**

MODEL 00436ET3YAL112MFF-W2

Electric Motor  
Severe DutyClass I, Div 2, Gr A, B, C and D - T3C  
Class II, Zone 2, IIC - T3C  
Class II, Div 2, Gr F - T3C**UK CAEALC**FOR SAFE AREA  
Mod. TE01A0X0\$  
CC029A  
Type ETPH3 Fr. AL112M DUTY CONT. IP55 DES N Code L IEC 60034-1  
86lb 1000m.a.s.l. INS cl. F DT 80K AMB 40°C SF 1.25

V	Hz	kW	HP	RPM	A		SFA		PF	IE code	NEMA NOM EFF		
											$\eta$ 100%/75%/50%		
460 $\Delta$	-	60	4.0	5.5	3515	6.67	-	8.34	-	0.85	IE3	88.5/87.5/85.5	
380 $\Delta$	-	50	4.0	5.5	2890	7.83	-	7.83	-	0.88	IE3	88.2/88.2/88.0	
415 $\Delta$	-	50	4.0	5.5	2910	7.49	-	7.49	-	0.84	IE3	88.4/88.0/87.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	



ONLY START



MOBIL POLYREX EM

MADE IN BRAZIL  
14052065