

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	16215005	
				Catalog # :	30036OT3G445TSC- RFW4	
Frame	: 444/5TSC		Locked rotor time	: 21s (cold) 12s (hot)		
Output	: 300 HP (220 kW)		Temperature rise	: 80 K		
Poles	: 2		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 460 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 328 A		Protection degree	: IP23		
L. R. Amperes	: 2132 A		Cooling method	: IC01 - ODP		
LRC	: 6.5x(Code G)		Mounting	: F-1		
No load current	: 85.0 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3563 rpm		Noise level ²	: 85.0 dB(A)		
Slip	: 1.03 %		Starting method	: Direct On Line		
Rated torque	: 61.1 kgfm		Approx. weight ³	: 696 kg		
Locked rotor torque	: 150 %					
Breakdown torque	: 240 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.20 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.4	95.8	Max. traction : 935 kgf	
Power Factor	0.00	0.80	0.86	0.88	Max. compression : 1631 kgf	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:		6314 C4	6212 Z C4		
Sealing	:		Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:		14418 h	20000 h		
Lubricant amount	:		27 g	13 g		
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	Date
Performed by						
Checked by					Page	Revision
Date	04/11/2025				1 / 2	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	04/11/2025		Page 2 / 2	Revision