DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer	:						
Product line	: ODF	P High Effi	ciency Thro	ee-Phase	Product code : Catalog # :		809 OP3GFP445TS
Frame		: 444/5	TS		Locked rotor time	: 27s	(cold) 15s (hot)
Output		: 250 H	IP (185 kW	/)	Temperature rise	: 80 k	
Poles		: 2	`	,	Duty cycle		t.(S1)
Frequency		: 60 Hz	<u>-</u>		Ambient temperature		C to +40°C
Rated voltage		: 460 V	1		Altitude	: 100	0 m.a.s.l.
Rated current		: 279 A	١		Protection degree	: IP23	}
L. R. Amperes	. R. Amperes : 1786 A				Cooling method	: IC0 ⁻	1 - ODP
LRC		: 6.4x(Code G)		Mounting	: F-1	
No load current		: 68.0			Rotation¹		n (CW and CCW)
Rated speed		: 3570			Noise level ²) dB(A)
Slip		: 0.83			Starting method		ct On Line
Rated torque		: 368 ff			Approx. weight ³	: 146	7 lb
Locked rotor torqu		: 200 %					
Breakdown torque		: 250 %	6				
Insulation class		: F : 1.15					
Service factor	/ I)		og ft lb				
Moment of inertia	(J)	: 30.2 s : B	sq.ii.ib				
Design		. Б					
Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%)				94.5 93.6	Max. traction	: 1906	lb
				93.6 94.1			
Power Factor				0.88 0.87	Max. compression	: 3373	lb
	0.55 0.52	0.80 0.78	0.84 0.84	0.86 0.86			
<u>Drive end</u>					Non drive end		
Bearing type		:		4 C3	6314 C		
Sealing		:		earing Seal	Without Bear	•	
Lubrication interva	ıl	:		18 h	14418	h	
Lubricant amount		:	27		27 g		
Lubricant type : Mot					bil 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	30/03/2024				1/1	