DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer	:								
Product line	: Mult	imounting	High Effici	ency Three	-Phase	Product code : Catalog # :	14324210 .2509EP3WAL80-W22		
Frame : 80						ed rotor time	: 18s (cold) 10s (hot)		
Output					Temp	: 80 K			
Poles					Duty cycle : S1				
Frequency : 50 Hz					Ambient temperature : -20°C to +40°C				
Rated voltage	80 V		Altitu		: 1000 m.a.s.l.				
Rated current : 1.63/0.945						ction degree	: IP55		
L. R. Amperes		: 6.69/3	3.87 A		Cooling method : IC411 - TEFC				
LRC		: 4.1				Mounting : B3L(E)			
No load current : 1.21/0.700 A					Rotat		: Both (CW and CCW)		
Rated speed : 690 rpm						e level²	: 42.0 dB(A)		
Slip : 8.00 %						ng method	: Direct On Line		
Rated torque : 2.51 ft.lb					Appro	ox. weight³	: 26.8 lb		
Locked rotor torque : 170 Breakdown torque : 170									
Insulation class	;	: 170 % : F)						
Service factor		. r : 1.15							
Moment of inertia	<i>(</i> 1)	_	8 sq.ft.lb						
Design	: N	o sq.it.ib							
Design		. 14							
Output	25%	50%	75%	100%		ation loads			
Efficiency (%)				63.8 64.2	Max. tra	action	: 26 lb		
	44.7	47.2	54.3	57.5					
Power Factor				0.63 0.59	Max. co	ompression	: 53 lb		
	0.24	0.43	0.54	0.63					
<u>Drive end</u>					Non drive end				
Bearing type		:	6204			6203 ZZ			
Sealing		:	Oil S	Seal		Oil Seal			
Lubrication interva		:	-			-			
Lubricant amount		:	-			-			
Lubricant type		:		Мо	bil Polyre	ex EM			
Natas									

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.

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	26/03/2024	1		1/1	