DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer		:							
Product line	: F	Rolled Steel	Fan and E	xhaust Single	e-Phase	Product code :	14	275156	
	S	olit Phase		•		0-4-1# .	-	040004B0B0W50	0
						Catalog # :	.50.	018OS1BSPOW56-	S
Frame		: W5	6		Lock	ed rotor time	:	10s (cold) 6s (hot)	
Output	: 0.5	HP (0.37 k	(W)	Temperature rise			80 K		
Poles	: 4			Duty cycle			Cont.(S1)		
Frequency : 60 Hz					Ambi	ent temperature	: -	-20°C to +40°C	
Rated voltage			: 115/208-230 V			de	:	1000 m.a.s.l.	
Rated current	Rated current : 7.24/3.80-3.62 A			2 A	Cooling method			IC01 - ODP	
L. R. Amperes	R. Amperes : 47.1/24.7-23.5 A			5 A	Mour	nting	= :	F-1	
LRC : 6.5x(Code M)					Rotation ¹			Both (CW and CCW	')
			0/2.50-2.90) A	Starting method			Direct On Line	
Rated speed : 1715 r					Appr	ox. weight³	:	19.4 lb	
Slip : 4.72 %									
Rated torque : 1.53 ft.									
Locked rotor torque		: 130 %							
Breakdown torque		: 220 %							
Insulation class		: F							
		: 1.2	5						
Design		: 0							
Output	25%	50%	75%	100%	Founda	ation loads			
Efficiency (%)	49.3	52.0	60.0	63.5	Max. tr	action	: 23	3 lb	
Power Factor	0.28	0.50	0.60	0.70	Max. co	ompression	: 42	2 lb	

Drive endNon drive endBearing type: 6203 ZZ6202 ZZSealing: Without Bearing SealWithout Bearing Seal

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	Date			
Performed by									
Checked by					Page	Revision			
Date	29/04/2024				1/1				