

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase Product code : 14490615
Catalog # : 02518OP3EFP284TS-W40

Frame : 284TS	Cooling method : IC01 - ODP
Insulation class : F	Mounting : F-1
Duty cycle : Cont.(S1)	Rotation ¹ : Both (CW and CCW)
Ambient temperature : -20°C to +40°C	Starting method : Direct On Line
Altitude : 1000 m.a.s.l.	Approx. weight ² : 365 lb
Protection degree : IP23	Moment of inertia (J) : 2.88 sq.ft.lb
Design : B	

Output [HP]	25	25	25	25
Poles	4	4	4	4
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	60.2/30.1	36.2	35.0	34.1
L. R. Amperes [A]	361/181	192	207	201
LRC [A]	6.0x(Code G)	5.3x(Code F)	5.9x(Code G)	5.9x(Code G)
No load current [A]	20.0/10.0	10.0	11.0	12.0
Rated speed [RPM]	1765	1440	1450	1455
Slip [%]	1.94	4.00	3.33	3.00
Rated torque [ft.lb]	74.4	91.2	90.5	90.2
Locked rotor torque [%]	229	150	170	210
Breakdown torque [%]	229	180	200	229
Service factor	1.15	1.00	1.00	1.00
Temperature rise	80 K	105 K	105 K	105 K
Locked rotor time	41s (cold) 23s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)	25s (cold) 14s (hot)
Noise level ²				
Efficiency (%)	25%	90.8	89.1	89.4
	50%	91.0	89.5	90.1
	75%	91.7	90.2	90.2
	100%	91.7	90.3	90.7
Power Factor	25%	0.46	0.53	0.48
	50%	0.68	0.74	0.70
	75%	0.79	0.83	0.80
	100%	0.84	0.86	0.84

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6311 Z C3	6211 Z C3	Max. traction
Sealing :	Without	Without	Max. compression
	Bearing Seal	Bearing Seal	
Lubrication interval :	20000 h	20000 h	
Lubricant amount :	18 g	11 g	
Lubricant type :	Mobil Polyrex EM		

Notes

USABLE @208V 66.6A SF 1.00 SFA 66.6A

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				
Date	11/04/2020			
		Page		Revision
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