DATA SHEET Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: W40 NEMA Premium Efficiency Thre Phase			ee- Product code :		13593623	
	Filds	C		Catalog # :	40036OT3G	6447/9TS-W40	
Frame		: 447/975	3	Locked rotor time	: 25s (cold)	14s (hot)	
Output		: 400 HP	(300 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.		
Rated current		: 442 A		Protection degree	: IP23	5.1.	
L. R. Amperes		: 2873 A		Cooling method	: IC01 - OD	P	
LRC		: 6.5x(Co	de G)	Mounting	: F-1		
No load current		: 100 A		Rotation ¹	: Both (CW		
Rated speed		: 3565 rp	m	Noise level ²	: 87.0 dB(A	.)	
Slip		: 0.97 %		Starting method	: Direct On	Line	
Rated torque		: 81.4 kgf	'n	Approx. weight ³	: 919 kg		
Locked rotor torque		: 170 %			0		
Breakdown torque		: 250 %					
Insulation class		: 200 %					
Service factor							
	(1)	: 1.15	•				
Moment of inertia	a (J)	: 1.65 kgr	n²				
Design		: A					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	95.4	95.8	95.8	Max. traction	: 1596 kgf		
Power Factor	0.83	0.88	0.89	Max. compression	: 2515 kgf		
	0.00			-			
			Drive end	Non drive en	<u>d</u>		
Bearing type		: 6314 C3		6314 C3			
Sealing		: Without Bearing Seal		Without Bearing Seal			
ocanny		. VV	thout Bearing Seal	Without Bearing	j Seal		
Lubrication interv	val	: •••	14418 h	Without Bearing 14418 h	j Seal		
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ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	1	55 °C
			1	l	
Rev.	Chano	ges Summary	Performed	Checked	Date
		. ,			
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-				Page	Devision
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