

# Three Phase Induction Motor - Squirrel Cage



Product line : Rolled Steel High Efficiency Three-Phase      Product code : 12930587  
Catalog # : 02536OP3EFP256TC-S

Frame	: 254/6TC	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 58.0/29.0 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 360/180 A	Mounting	: F-1
LRC	: 6.2x(Code G)	Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 22.4/11.2 A	Noise level <sup>2</sup>	: 70.0 dB(A)
Rated speed	: 3530 rpm	Starting method	: Direct On Line
Slip	: 1.94 %	Approx. weight <sup>3</sup>	: 188 lb
Rated torque	: 37.2 ft.lb		
Locked rotor torque	: 180 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.8718 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	90.0	91.9	90.2	90.3	91.0	89.5	91.0	87.6	Max. traction	: 445 lb
	90.4		89.6		89.8		88.7			
Power Factor	0.48	0.54	0.75	0.81	0.84	0.88	0.88	0.90	Max. compression	: 633 lb
	0.43		0.71		0.82		0.87			

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	6309 Z C3	6208 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	8 g
Lubricant type	Mobil Polyrex EM	

<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>	<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>
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Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 1 / 1	Revision
Checked by					
Date	26/03/2024				