DATA SHEET Three Phase Induction Motor - Squirrel Cage

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Customer

Frame : 143/5T Locked r Output : 1 HP (0.75 kW) Tempera Poles : 2 Duty cyc Frequency : 60 Hz Ambient Rated voltage : 230/460 V Attitude Rated current : 2.76/1.38 A Cooling L. R. Amperes :: 22.9/11.5 A Mounting Rated speed : 3510 rpm Ratetring No load current :: 1.28/0.640 A Noise let Rated speed :: 3510 rpm Starting Slip :: 2.50 % Approx. Rated forque :: 0.207 kgm Locked rot Locked rotor torque :: 210 % Breakdown torque :: 330 % Insulation class :: F Service factor :: 1.15 Moment of inertia (J) :: 0.0027 kgm² Design Max. tracti Tficiency (%) 72.4 79.0 74.0 79.1 78.5 81.1 80.0 80.7 Max. tracti Greating type : 6205 ZZ Sealing Max. comp Lubrication interval : - - Lubrication interval - Lubricant type : With	Catalog # : rotor time ature rise	00136OT3E1	43T-S
Output : 1 HP (0.75 kW) Tempera Poles : 2 Duty cyc Prequency : 60 Hz Ambient Rated voltage : 230/460 V Attitude Rated current : 2.76/1.38 A Cooling L. R. Amperes : 22.9/11.5 A Mounting LRC : 8.3x(Code L) Rotation No load current : 1.28/0.640 A Noise lei Rated speed : 3510 rpm Starting Slip : 2.207 kgfm Locked rotor torque : 330 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0027 kgm² Design Max. tracti Doutput 25% 50% 75% 100% Efficiency (%) 72.4 79.0 74.0 79.1 78.5 81.1 80.0 80.7 Max. comp Output 25% 50% 75% 100% Bearing type : 6205 ZZ Sealing Max. comp Lubrication interval : - Lubrication interval - Lubrication interval : - - Mobil Polyrex E Notes Mosting the motor from the shaft end. Mobil Polyrex E MG-1.			
This revision replaces and cancel the previous one, which must be eliminated. Most for the shaft end. These are power suff. This revision replaces and cancel the previous one, which must be eliminated. Most for the shaft end. These are power suff.	cle temperature method g ¹ vel ² method	: 39s (cold) 2 : 80 K : Cont.(S1) : -20°C to +4 : 1000 m.a.s : IC01 - ODF : F-1 : Both (CW a : 62.0 dB(A) : Direct On L : 11.7 kg	ilo°C il. and CCW)
75.3 76.4 80.0 80.8 Power Factor 0.41 0.45 0.66 0.73 0.78 0.84 0.85 0.89 0.37 0.64 0.77 0.84 Max. comp Bearing type : 6205 ZZ Sealing : Lubrication interval : - : Lubrication interval Lubricant amount : - . Lubricant type : Mobil Polyrex E 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 These after subject to changes after	n loads		
Drive end Bearing type Drive end 6205 ZZ Sealing Without Bearing Seal Lubrication interval - Lubricant amount - Lubricant type Mobil Polyrex E Notes Mobil Polyrex E Notes This revision replaces and cancel the previous one, which must be eliminated. These are power sup MG-1. (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). MG-1.		: 16 kgf : 27 kgf	
Bearing type : 6205 ZZ Sealing : Without Bearing Seal Lubricant amount : - Lubricant type : Mobil Polyrex E Notes Motil Polyrex E Notes : : This revision replaces and cancel the previous one, which must be eliminated. These are power sup (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). : MG-1.		-	
Sealing : Without Bearing Seal Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex E Notes Motil Polyrex E This revision replaces and cancel the previous one, which must be eliminated. These are power sup MG-1. (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). MG-1.	Non drive end 6203 ZZ		
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	Without Bearing Sea - - -	al	
(3) Approximate weight subject to changes after manufacturing process.	e average values bas oply, subject to the to		
(4) At 100% of full load. Rev. Changes Summary	Performed	Checked	Date
Performed by Checked by		Page	Revision

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