DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Power Factor 0.64 0.77 0.84 Max. compression : 236 N Losses at normative operating points (speed;torque), in percentage of rated output power	Product line	: W20 T	hree-Phase	e			Product code :	16854795	
Efficiency (%) 80.2 80.7 80.7 Max. traction : 135 N Power Factor 0.64 0.77 0.84 Max. compression : 236 N Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0.9;1.0) P2 (0.5;1.0) P3 (0.25;1.0) P4 (0.9;0.5) P5 (0.5;0.5) P6 (0.5;0.25) P7 (0.25;0.25) 23.6 22.0 21.3 11.9 8.2 5.6 3.9 Drive end Bearing type : 6204 ZZ 6203 ZZ Sealing VRing VRing Lubrication interval : - - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Mobil Polyrex EM Notes 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). These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor Moment of inert	que ue	: 0.75 kW : 2 : 50 Hz : 230/400 : 2.78/1.60 : 19.4/11.2 : 7.0 : 1.40/0.80 : 2840 rpn : 5.33 % : 2.52 Nm : 190 % : 229 % : F : 1.00 : 0.0006 k	V) A 2 A)7 A n		Tempe Duty o Ambie Altitud Protec Coolin Mount Rotatie Noise Startin	erature rise cycle ent temperature e stion degree og method ing on ¹ level ² og method	: 80 K : S1 : -20°C to - : 1000 m.a : IP55 : IC411 - T : B3T : Both (CW : 59.0 dB(/ : Direct Or	+40°C i.s.l. EFC / and CCW) A)
Efficiency (%) 80.2 80.7 80.7 Max. traction : 135 N Power Factor 0.64 0.77 0.84 Max. compression : 236 N Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0.9:1.0) P2 (0.5:1.0) P3 (0.25:1.0) P4 (0.9:0.5) P5 (0.5:0.5) P6 (0.5:0.25) P7 (0.25:0.25) 23.6 22.0 21.3 11.9 8.2 5.6 3.9 Drive end Bearing type : 6204 ZZ 6203 ZZ Sealing VRing Ubrication interval : - - Lubricant amount : - - : - - Lubricant type : Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which must be eliminated. .	Output	50%	75%	100%)	Foundat	ion loads		
Losses at normative operating points (speed,torque), in percentage of rated output power P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25 23.6 22.0 21.3 11.9 8.2 5.6 3.9 Drive end Bearing type : 6204 ZZ 6203 ZZ Sealing Urice in the read Lubrication interval : - - - Lubrication interval - Lubrication interval : - - - - - Lubrication treplaces and cancel the previous one, which must be eliminated. Mobil Polyrex EM These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after Free area average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.	Efficiency (%)	80.2	80.7	80.7		Max. tra	ction	: 135 N	
P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 23.6 22.0 21.3 11.9 8.2 5.6 3.9 Drive end Non drive end Bearing type : 6204 ZZ 6203 ZZ Sealing Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Mobil Polyrex EM Notes Notes	Power Factor	0.64	0.77	0.84		Max. co	mpression	: 236 N	
23.6 22.0 21.3 11.9 8.2 5.6 3.9 Bearing type : 6204 ZZ 6203 ZZ 6203 ZZ 5.6 3.9 Bearing type : VRing V'Ring V'Ring - Lubrication interval : - - - Lubricant amount : - - - Lubricant type : Mobil Polyrex EM Mobil Polyrex EM	_osses at norma	tive operating p	oints (spe	ed;torque),	in perce	entage of r	ated output powe	r	
Drive end Non drive end Bearing type : 6204 ZZ 6203 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Notes Motes Mobil Polyrex EM					P4 (0),9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
Bearing type : 6204 ZZ 6203 ZZ Sealing : VRing VRing Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Notes Motion Polyrex EM Notes	23.6	22.0	2			1.9	8.2	5.6	3.9
nust be eliminated.power supply, subject to the tolerances stipulated in IEC(1) Looking the motor from the shaft end.60034-1.(2) Measured at 1m and with tolerance of +3dB(A).3) Approximate weight subject to changes after	Lubrication inter Lubricant amou Lubricant type			-		bil Polyre	-		
	must be eliminat	ed. notor from the s	shaft end. erance of -	+3dB(A).	vhich	power s	supply, subject to		
	2) Measured at3) Approximatemanufacturing place	rocess.		s Summar	У		Performed	Checked	Date
	2) Measured at (3) Approximate manufacturing p (4) At 100% of fu	rocess.			у		Performed	Checked	Date
Performed by	2) Measured at 3) Approximate manufacturing pi 4) At 100% of fu Rev.	rocess.			у		Performed	Checked	Date
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Subject to change without notice

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: MGE : MGE Customer Customer reference

Thermal protection								
D	Application	Туре	Quantity	Sensing Temperatu				
1	Winding	Thermistor - 2 wires	1 x Phase	1	55 °C			
Rev.	Chan	ges Summary	Performed	Checked	Date			
		-						
erformed b								
Checked by Date				Page	Revision			
Data	29/09/2023			2/2	1			

