DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

P2 (P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subjec manufacturing process. (4) At 100% of full load.	: 200L : F : S1			Cooling moth	od	· IC41		
Output [kW] Poles Frequency [Hz] Rated voltage [V] Rated current [A] R. Amperes [A] RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [Nm] ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Temperature rise ocked rotor time Noise level ² Efficiency (%) 75% 100% 25% 50% 75% 100% Losses at normative operatir Power Factor Power Factor Power factor Power factor Power factor Power factor Page		: F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55		Mounting : Rotation ¹ : Starting method : Approx. weight ³ :		: B5T : Both : Direc : 263 I	IC411 - TEFC B5T Both (CW and CCW) Direct On Line 263 kg 0.3202 kgm ²	
Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [Nm] Locked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor Losses at normative operatin Losses at normative operatin Losses (%) Page (%) Power Factor Power Factor Power Factor Comparison replaces and camust be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subjemanufacturing process. (4) At 100% of full load.		30		30 3		30	0 30	
Frequency [Hz] Rated voltage [V] Rated current [A] R. Amperes [A] RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [Nm] Locked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Page (mower) Losses (%) P4 (P5 (P6 ((P7 (0) Bearing type Sealing Lubricant amount Lubricant type This revision replaces and ca must be eliminate	4			4		4	4	
Rated voltage [V] Rated current [A] R. Amperes [A] RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [Nm] ocked rotor torque [%] Breakdown torque [%] Bervice factor Femperature rise ocked rotor time Noise level ² Efficiency (%) 75% 100% Power Factor Power Factor P1 (P2 (P3 (0 P4 (P5 (P6 ((P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje	50			50		50	60	
R. Amperes [A] .RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [Nm] .ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Femperature rise .ocked rotor time Noise level ² Efficiency (%) Power Factor Losses at normative operatin Power Factor Losses (%) Easing Lubrication interval Lubricant amount Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	380/660			400/690		415	460	
RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [Nm] .ocked rotor torque [%] Breakdown torque [%] Service factor Femperature rise .ocked rotor time Noise level ² Efficiency (%) Power Factor Power factor <td< td=""><td colspan="2">58.0/33.4</td><td></td><td>57.1/33.1</td><td></td><td>56.4</td><td>50.0</td></td<>	58.0/33.4			57.1/33.1		56.4	50.0	
No load current [A] Rated speed [RPM] Slip [%] Rated torque [Nm] Locked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Femperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor <	423/244			428/248		440	415	
Rated speed [RPM] Slip [%] Rated torque [Nm] Locked rotor torque [%] Breakdown torque [%] Service factor Femperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor 25% 50% 75% 100% Losses at normative operatin P1 (P2 (P3 (0 Losses (%) P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4		7.3		7.5		7.8	8.3	
Slip [%] Rated torque [Nm] .ocked rotor torque [%] Breakdown torque [%] Service factor Femperature rise .ocked rotor time Noise level ² Efficiency (%) Power Factor Power Factor 25% 50% 75% 100% 25% 50% 75% 100% 25% 50% 75% 100% Losses at normative operatin P1 (P2 (P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		24.5/14.1		27.0/15.7		30.0	25.5	
Rated torque [Nm] Locked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Femperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor 25% 50% 75% 100% Losses at normative operatir P1 (P2 (P3 (0 P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		1475		1480		1480	1785	
ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Femperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor		1.67		1.33 194		1.33 193	0.83 161	
Breakdown torque [%] Service factor Femperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor 25% Power Factor 25% 100% Losses at normative operatir P1 (P2 (P3 (0 P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		194 250		280		300	340	
Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Losses at normative operatir Losses (%) Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (25% 50% 75% 100% P1(P2(P3(0) P4(P7(0) Bearing type Sealing Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		280		310		340	340	
Temperature rise Locked rotor time Noise level ² Efficiency (%) 25% 50% 75% 100% 25% Power Factor 25% 50% 75% 100% Losses at normative operatin Pair (P2 (P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		1.00		1.00		1.00	1.00	
ocked rotor time Noise level ² Efficiency (%) 50% 75% 100% Power Factor 25% 50% 75% 100% Losses at normative operatin P1 (P2 (P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		80 K		80 K		80 K	80 K	
Noise level²Efficiency (%)		d) 11s (hot)	18s (c	cold) 10s (hot)	16s (c	old) 9s (hot)	23s (cold) 13s (hot	
Efficiency (%) 50% 75% 100% 25% 50% 75% 100% Losses at normative operatin PP1 (P2 (P3 ((P3 ((P3 ((P3 ((P3 ((P6 ((P7 (0) Bearing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		0 dB(A)		3.0 dB(A)		.0 dB(A)	66.0 dB(A)	
Efficiency (%) 75% 100% 25% Power Factor Pow								
75% 100% 25% 50% 75% 100% Losses at normative operatin Power Factor		93.4		92.9		92.3	92.6	
25% 50% 75% 100% Losses at normative operatin P1 (P2 (P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		93.6				93.3	93.7	
Power Factor 50% 75% 100% Losses at normative operatin P1 (Losses (%) P3 ((P3 ((P3 ((P5 (P6 ((P7 (0) P8 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		93.6		93.6		93.6	94.1	
Power Factor 75% 100% Losses at normative operatin P1 (P2 (P3 ((P3 ((P3 ((P4 (P5 (P6 ((P7 (0) Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		0.68		0.63		0.59	0.62	
100% Losses at normative operatin P1 (P2 (P3 ((P4 (P5 (P6 ((P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	0.68 0.79		0.75			0.39	0.74	
P1 (P2 (P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		0.84		0.81		0.79	0.80	
P1 (P2 (P3 (0 P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	g points (sp	eed;torque), i	n percer	ntage of rated o	utput pow	ver		
P3 (i P4 (P5 (P6 (i P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	0,9;1,0)	6.7		6.7		6.7	6.2	
Losses (%) P4 (P5 (P6 (0 P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	0,5;1,0)	5.9		5.9		5.9	5.4	
P5 (P6 ((P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	,25;1,0) 5.5		5.5		5.5		5.0	
P6 ((P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	0,9;0,5)	3.2		3.2		3.2	3.0	
P7 (0 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	0,5;0,5)	2.4		2.4		2.4	2.2	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	0,5;0,25)	1.6		1.6		1.6	1.5	
Sealing Lubrication interval Lubricant amount Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.	,25;0,25) <u>Drive</u>		ive end	1.2 Foundation loa	ads	1.2	1.1	
Lubricant type This revision replaces and ca must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subje manufacturing process. (4) At 100% of full load.		: 6312 ZZ C3 6212 ZZ C3 : Oil Seal Lip Seal :		Max. traction : 5779 N Max. compression : 8360 N				
must be eliminated. (1) Looking the motor from th (2) Measured at 1m and with (3) Approximate weight subject manufacturing process. (4) At 100% of full load.	: N	 Mobil Polyrex EM						
Davi	e shaft end tolerance o	f +3dB(A).	nich				sts with sinusoidal s stipulated in IEC	
Rev.	Changes Summary			P	Performed Checke		d Date	
Performed by							1	
Checked by Date 30/08/20						Page 1 / 3	Revision	

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Three Phase Induction Motor - Squirrel Cage

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Notes

Rev.		Changes Summary	Performed	Checked	Date
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Performed by					
Checked by				Page	Revision
Date	30/08/2023			2/3	

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Three Phase Induction Motor - Squirrel Cage

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Customer

ID	Thermal protection Application Type Quantity Sensing Temper						
1	Winding	Thermistor - 2 wires	1 x Phase		55 °C		
·							
					1		
Rev.	Chan	ges Summary	Performed	Checked	Date		
Performed by							
Checked by				Page	Revision		
Date	30/08/2023		1	3/3	1		

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