DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Insulation class : F Mounting : B4T Ambient temperature : -20°C to +40°C Rotation' : Borth (CM) Ambient temperature : -20°C to +40°C Staffing method : Direction degree Protection degree : IP55 Moment of inertia (J) : 0.0006 kgr Protection degree : IP55 Moment of inertia (J) : 0.0006 kgr Protection degree : A 4 4 4 Protection degree : 1955 50 50 50 Rest origination : 1800 : 230400 240/415 : 240/215 Rate ourment (A) 0.0902 0522 0.897/0.516 0.865/0512 : . LR Amperes (A) : 3.79/2.19 4.13/2.37 4.43/2.66 : . LRC (A) : 4.2 4.6 5.0 : . : . No load current (A) : 0.0057.050 0.661/0.380 : . : . : . Strip (B) 9.00 8.00 : . : . : . : . Strip (B) : . : .	Product line	: Multin	nounting IE	E3 Three-Pha	se		Product	t code :	13755	847	
Poles 4 4 4 4 4 Frequency [H2] 50 50 50 ated volage [V] 220/380 230/400 240/415 Caled volage [V] 220/380 230/400 240/415 R. Amperes [A] 3.792.19 4.13/2.37 4.43/2.56 R.C [A] 4.2 4.6 5.0 No load current [A] 0.605/0.350 0.661/10.380 0.692/0.400 Rated speed [RPM] 1365 1380 1395 50 Sile [%] 9.00 8.00 7.00 Rated torque [%] 200 220 240 Stated torque [%] 200 220 240 Stated torque [%] 200 220 240 Stated torque [%] 200 220 240 Stated torque [%] 200 220 240 Stated torque [%] 200 220 240 Stated torque [%] Stated torque [%] State (cold) 30s (hot) 54s (cold) 30s (hot) 75s (cold) 30s (hot) 75s (cold) 30s (hot) 75s (cold) 30s (hot)	Insulation class Duty cycle Ambient temperature Altitude Protection degree		: F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55			Mounting Rotation ¹ Starting method Approx. weight ³			: Both (CW and CCW) : Direct On Line		
Poles 4 4 4 4 Frequency [H2] 50 50 50 Rated voltage [V] 220/380 230/400 240/415 Rated voltage [V] 220/380 230/400 240/415 Rated current [A] 0.902/0.522 0.897/0.516 0.885/0.512 L.R. Amperes [A] 3.79/2.19 4.13/2.37 4.43/2.56 L.R. C [A] 4.2 4.6 5.0 No load current [A] 0.605/0.350 0.661/10.380 0.692/0.400 Rated torque [KgIm] 0.128 0.127 0.126 Locked rotor torque [%] 200 220 240 Service factor 1.00 1.00 1.00 1.00 Frenkdown torque [%] 200 220 240 Service factor 50% Cocked rotor torque [%] 200 220 240 Service factor 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 2.0 2.0 2.0 </td <td>utput [kW]</td> <td></td> <td colspan="2">0.18</td> <td colspan="2">0.18</td> <td></td> <td colspan="2">0.18</td> <td></td> <td>0.18</td>	utput [kW]		0.18		0.18			0.18			0.18
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Losses (%) P2 (0,5;1,0) 47.0 47.0 47.0 P3 (0,25;1,0) 41.8 41.8 41.8 41.8 P4 (0,9;0,5) 24.1 24.1 24.1 24.1 P5 (0,5;0,5) 18.7 18.7 18.7 18.7 P6 (0,5;0,25) 14.5 14.5 14.5 14.5 P7 (0,25;0,25) 10.9 10.9 10.9 0 Bearing type : 6201 ZZ 6201 ZZ 6201 ZZ 6201 ZZ Sealing : Oil Seal Oil Seal Nax. traction : 8 kgf Lubrication interval : - - - 14 kgf Lubricant amount : - - - 14 kgf This revision replaces and cancel the previous one, which must be eliminated. Maxing the motor from the shaft end. 60034-1. 60034-1. (2) Measured at 1m and with tolerance of +3dB(A). 60034-1. 60034-1. 60034-1. (4) At 100% of full load. Exercise Summary Performed Checked		P1 (0,								45.3	
Losses (%)P4 (0,9,0,5)24.124.124.1P5 (0,5;0,5)18.718.718.7P6 (0,5;0,25)14.514.514.5P7 (0,25;0,25)10.910.910.9Drive end colspan="4">Foundation loadsBearing type:6201 ZZ6201 ZZSealing:Oil SealOil SealMax. traction:Lubrication interval:Lubrication replaces and cancel the previous one, which must be eliminated.These are average values based on tests wi power supply, subject to the tolerances stipu 60034-1.These are average values based on tests wi power supply, subject to the tolerances stipu 60034-1.Rev.Changes SummaryPerformedCheckedPerformed by		P2 (0,	5;1,0)	47.0		47.0				46.8	
P5 (0,5;0,5)18.718.718.7P6 (0,5;0,25)14.514.514.5P7 (0,25;0,25)10.910.910.9Bearing type:6201 ZZ6201 ZZSealing:Oil SealOil SealMax. tractionLubrication interval:Lubricant amount:Lubricant type:Mobil Polyrex EMMax. compressionThis revision replaces and cancel the previous one, which must be eliminated.These are average values based on tests wi power supply, subject to the tolerances stipu(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 wi power supply, subject to the tolerances stipu(3) Approximate weight subject to changes after manufacturing process.(4) At 100% of full load.PerformedCheckedPerformed by	Losses (%)					41.8		41.8		41.6	
P6 (0,5;0,25)14.514.514.5P7 (0,25;0,25)10.910.910.9Bearing type:6201 ZZ6201 ZZSealing:Oil SealOil SealLubrication interval:Lubricant amount:Lubricant type:Mobil Polyrex EMThis revision replaces and cancel the previous one, which must be eliminated.These are average values based on tests wi power supply, subject to the tolerances stipu 60034-1.(2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process.These SummaryPerformedRev.Changes SummaryPerformedChecked						18.7					24.0
P7 (0,25;0,25)10.910.910.9Drive end Bearing type:6201 ZZ6201 ZZFoundation loads Max. traction:Sealing:Oil SealOil SealMax. traction::8 kgfLubrication interval:14 kgfLubricant amount:Lubricant type:Mobil Polyrex EMMax. compression::14 kgfThis 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 manufacturing process. (4) At 100% of full load.These SummaryPerformedCheckedRev.Changes SummaryPerformedCheckedChecked											18.6
Drive end Bearing type Drive end 6201 ZZ Non drive end 6201 ZZ Foundation loads Sealing Oil Seal Oil Seal Max. traction : 8 kgf Lubrication interval - - - - Lubricant amount - - - - Lubricant type Mobil Polyrex EM Max. compression : 14 kgf This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests wi power supply, subject to the tolerances stipu (1) Looking the motor from the shaft end. 60034-1. 60034-1. (2) Measured at 1m and with tolerance of +3dB(A). 60034-1. 60034-1. (3) Approximate weight subject to changes after manufacturing process. Performed Checked Rev. Changes Summary Performed Checked											14.5
Bearing type : 6201 ZZ 6201 ZZ Max. traction : 8 kgf Sealing : Oil Seal Oil Seal Oil Seal Max. compression : 14 kgf Lubrication interval : - - - - - - Lubrication amount : - - - - - - Lubricant type : Mobil Polyrex EM Max. compression : 14 kgf This revision replaces and cancel the previous one, which must be eliminated. Mobil Polyrex EM These are average values based on tests wi power supply, subject to the tolerances stipu 60034-1. (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 manufacturing process. (4) At 100% of full load. Performed Performed Checked Performed by		P7 (0,2							10.9		10.8
This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests wi power supply, subject to the tolerances stipu 60034-1. (1) Looking the motor from the shaft end. 60034-1. (2) Measured at 1m and with tolerance of +3dB(A). 60034-1. (3) Approximate weight subject to changes after manufacturing process. Performed by (4) At 100% of full load. Performed Performed by Performed	Sealing Lubrication interval Lubricant amount		6201 Oil S -	6201 ZZ 620 Oil Seal Oil - -		Max. traction		: 8 kgf			
must be eliminated. power supply, subject to the tolerances stipu (1) Looking the motor from the shaft end. 60034-1. (2) Measured at 1m and with tolerance of +3dB(A). 60034-1. (3) Approximate weight subject to changes after manufacturing process. Performed by (4) At 100% of full load. Performed Performed by Performed	Lubricant type		M	ODII POlyrex E	IVI						
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DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer

: Astraprom d.o.o.

Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 13/10/2023 2/19 Date

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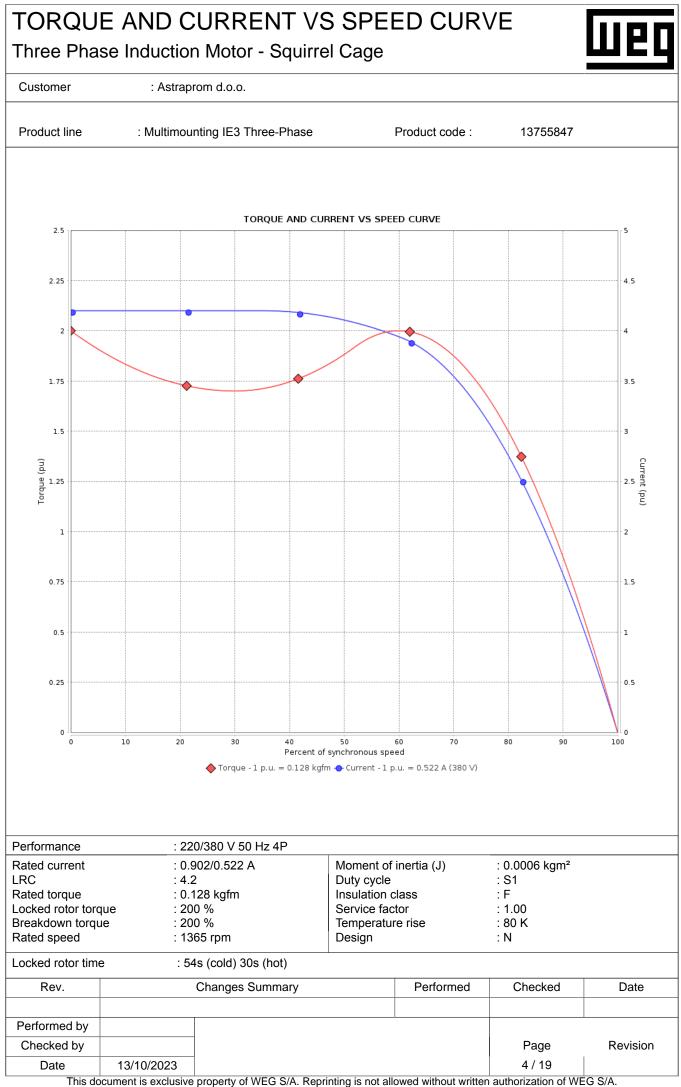
DATA SHEET

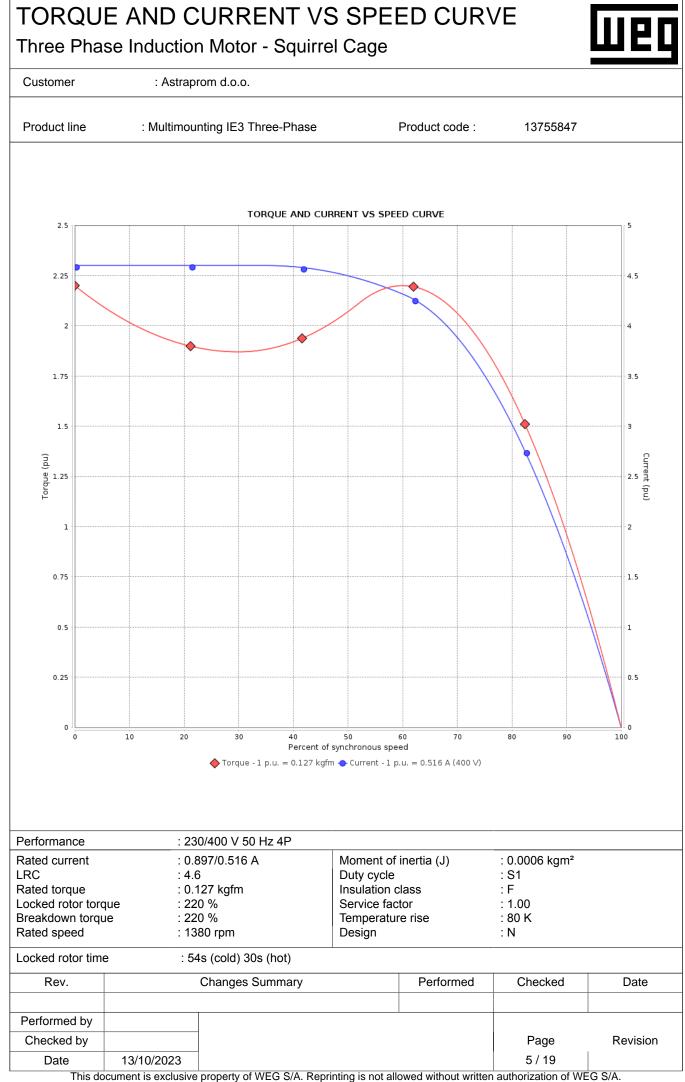
Three Phase Induction Motor - Squirrel Cage

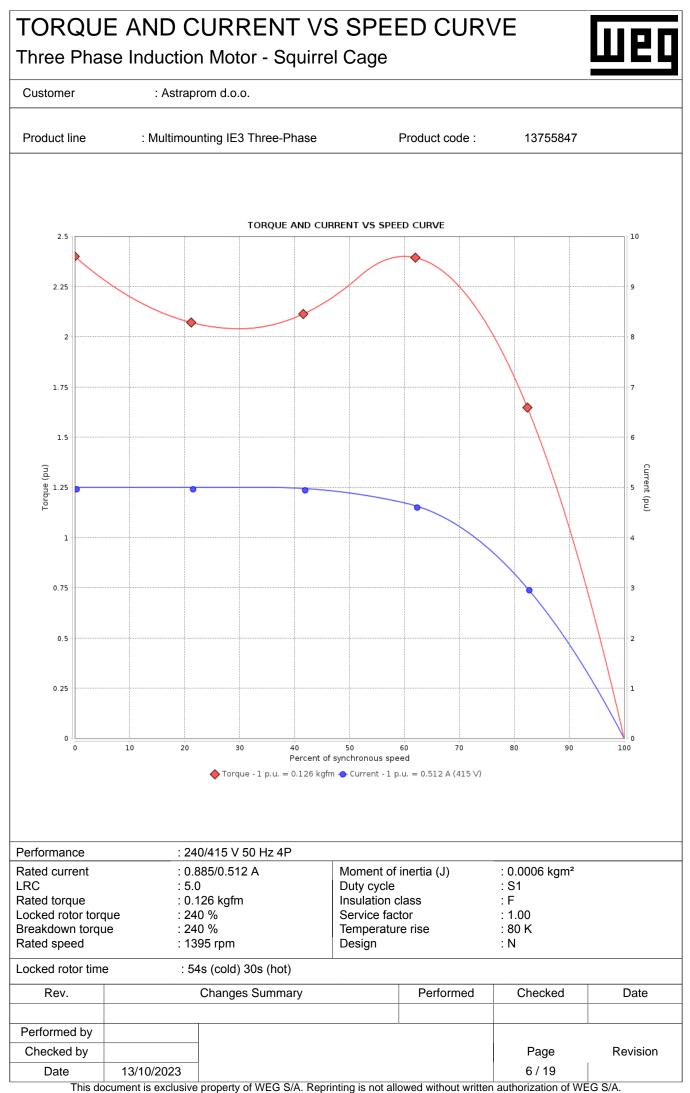


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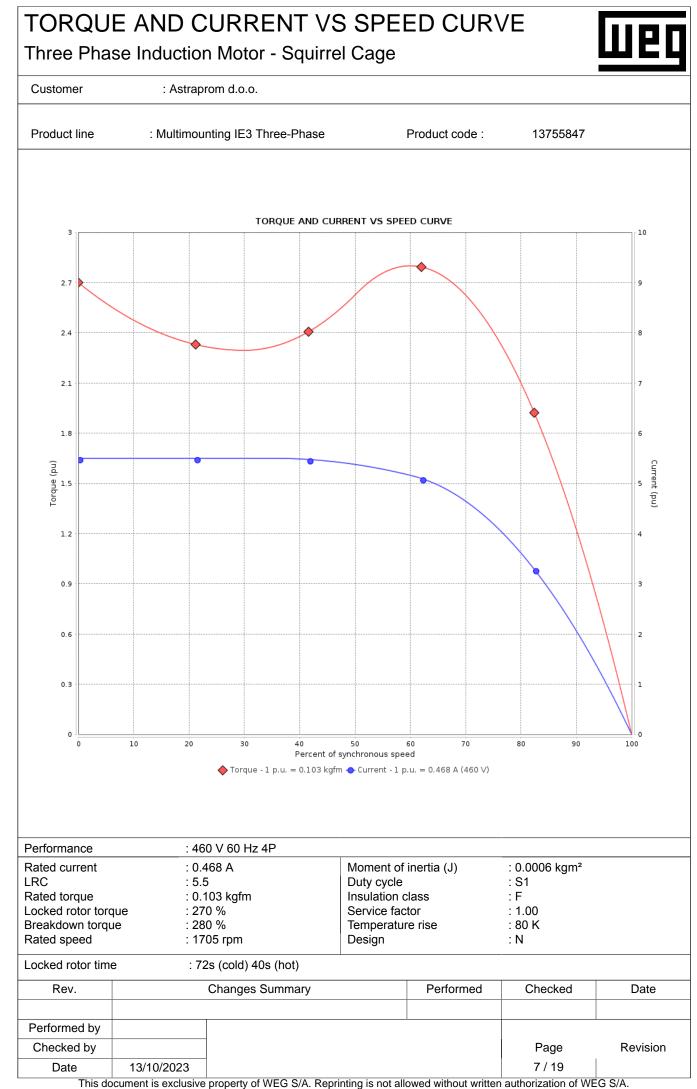
ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C	
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Subject to change without notice



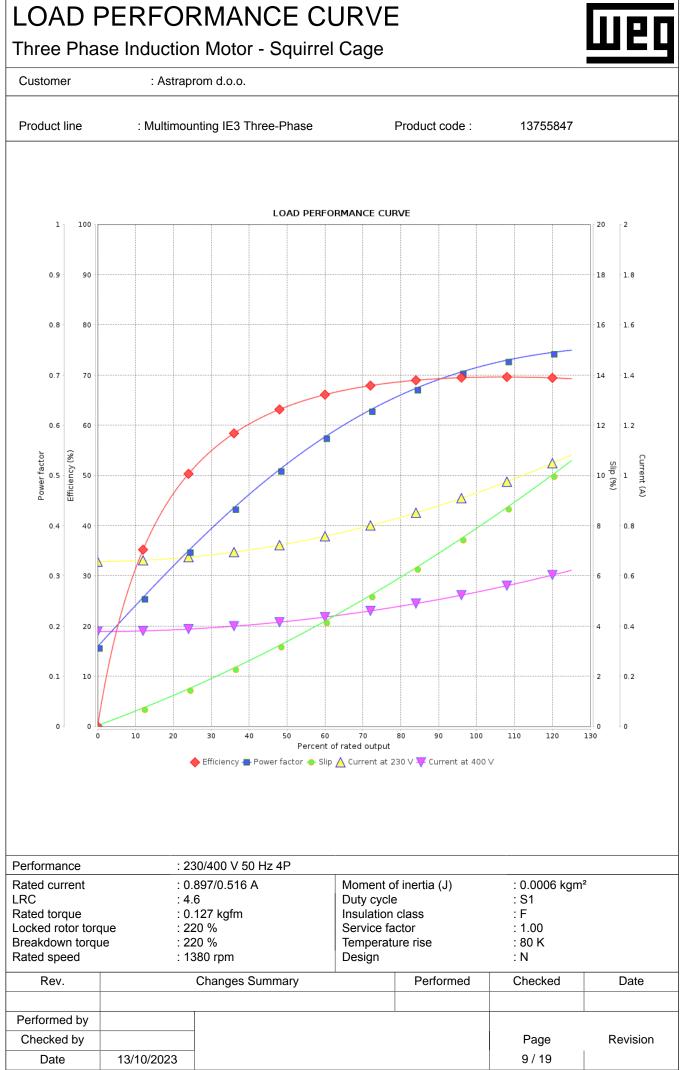
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LOAD PERFORMANCE CURVE

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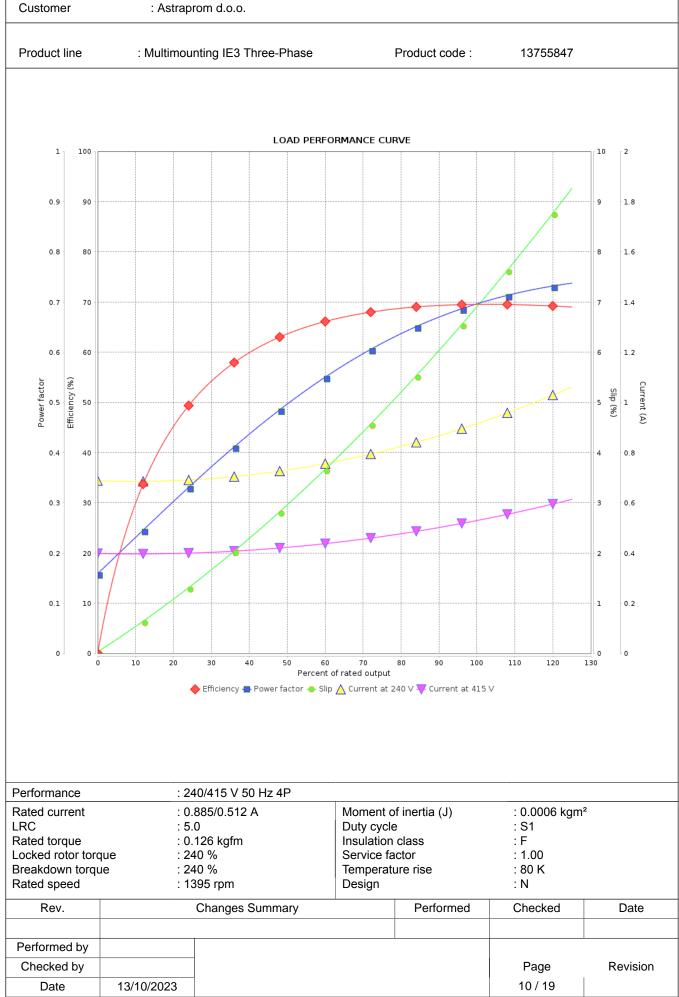
Customer : Astraprom d.o.o. Product line : Multimounting IE3 Three-Phase Product code : 13755847 LOAD PERFORMANCE CURVE 1 100 20 2 0.9 90 18 1.8 1.6 0.8 80 16 0.7 70 14 1.4 1.2 0.6 60 12 Efficiency (%) Power factor Δ Current (A) Slip (%) 0.5 10 1 50 \triangle Δ 0.4 40 8 0.8 \triangle \triangle 0.6 0.3 30 6 0.2 20 4 0.4 10 2 0.2 0.1 0 0 0 0 0 10 20 30 40 50 60 70 80 90 100 110 120 130 Percent of rated output 🔶 Efficiency 🖶 Power factor 🔶 Slip <u> </u>Current at 220 V 🐺 Current at 380 V Performance : 220/380 V 50 Hz 4P Rated current : 0.902/0.522 A Moment of inertia (J) : 0.0006 kgm² LRC : 4.2 Duty cycle : S1 : 0.128 kgfm Insulation class : F Rated torque Locked rotor torque : 200 % Service factor : 1.00 Breakdown torque : 200 % Temperature rise : 80 K Rated speed : 1365 rpm Design : N Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page 8/19 Date 13/10/2023





Three Phase Induction Motor - Squirrel Cage





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