# 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 <sup>1</sup> Starting method Approx. weight <sup>3</sup>			: 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
Rated voltage [V]         220/380         230/400         240/415           Rated current [A]         0.902/0.522         0.897/0.516         0.885/0.512           .R. Amperes [A]         3.79/2.19         4.132.37         4.4302.56           .RC [A]         4.2         4.6         5.0           No load current [A]         0.605/0.350         0.661/0.380         0.692/0.400           Rated speed [RPM]         1365         1380         1395           Sile [%]         9.00         8.00         7.00           Rated torque [kgfm]         0.128         0.127         0.126           .cocker fortor torque [%]         200         220         240           Breakdown torque [%]         200         220         240           Service factor         1.00         1.00         1.00           Icorect fortor torque [%]         200         220         240           Service factor         54 (ciold) 305 (hot)         54s (ciold) 305 (hot)         54s (ciold) 305 (hot)         54s (ciold) 305 (hot)           cocker dor trime         54s (ciold) 305 (hot)         54s (ciold) 305 (hot)         54s (ciold) 305 (hot)         54s (ciold) 305 (hot)           Efficiency (%)         75%         67.0         67.0         67.0			4								4
Atted ourrent [A]         0.9020.522         0.897/0.516         0.885/0.512          R. Amperes [A]         3.79/2.19         4.13/2.37         4.43/2.56          R. Cl [A]         4.2         4.6         5.0           Valued speed [RPM]         1365         1380         0.692/0.400           Stated speed [RPM]         0.128         0.127         0.126           Oxcled rotor torque [%]         200         220         240           Treakdown torque [%]         200         220         240           Treakdown torque [%]         200         220         240           Terevice factor of 1.00         1.00         1.00         1.00           Emperature rise         80 K         80 K         80 K           Solise level?         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Value P4         0.67         0.63         0.61           Obse level?         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Value P4         0.67         0.63         0.61           100%         65.0         65.0         65.0         65.0           Power Factor         50%         0.57         0.53         0.50           P2 (0.51.0)											60
R. Amperes [A]         3.79/2.19         4.13/2.37         4.43/2.56          RC [A]         4.2         4.6         5.0           No load current [A]         0.605/0.350         0.661/0.380         0.082/0.400           Stated speed [RPM]         1365         1380         1395         1380           Silp [%]         9.00         8.00         7.00         RC (a)         6.661/0.380         0.692/0.400           Rated torque [Kgfm]         0.128         0.127         0.126         0.662 (a)         0.662 (a)           Cocked rotor torque [%]         200         220         240         240         27           Strakdown torque [%]         200         220         240         240         28           Strakdown torque [%]         200         220         240         240         28           Strakdown torque [%]         600         6.0         65.0         66.0         67.0         72.0           Strake factor         1.00         1.00         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         28.0         28.0         25.0         16.0         75.0         67.0         67.0         67.0         67.0         10.0 <td colspan="2">Rated voltage [V]</td> <td colspan="2"></td> <td colspan="2"></td> <td></td> <td colspan="2"></td> <td></td> <td>460</td>	Rated voltage [V]										460
RC [A]         4.2         4.6         5.0           Vo load current [A]         0.605/0.350         0.661/0.380         0.692/0.400           Stated speed [RPM]         1385         1380         1395           Silp [%]         9.00         8.00         7.00           Stated torque [kgfm]         0.128         0.127         0.126           Occked rotor torque [%]         200         220         240           Breakdown torque [%]         200         220         240           Service factor         1.00         1.00         1.00           Emperature rise         80 K         80 K         80 K           Joise level?         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Voise level?         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Power Factor         25%         67.0         67.0         67.0           T5%         67.0         67.0         67.0         67.0         67.0           Power Factor         50%         0.65         0.63         0.61         0.72           Losses at normative operating points (speed:torque), in percentage of rated output power         P1 (0.9;1.0)         45.5         45.5         45.5           P3 (0.2											0.468
No load current [A]         0.605/0.350         0.661/0.380         0.692/0.400           Rated speed [RPM]         1365         1380         1395           Sing [%]         9.00         8.00         7.00           Stated forque [kg/m]         0.128         0.127         0.126           cocked rotor torque [%]         200         220         240           seakdown torque [%]         200         220         240           service factor         1.00         1.00         1.00         1.00           femperature rise         80 K         80 K         80 K         60 K           cocked rotor time         54s (cold) 30s (hot)         54s (cold) 30s (hot)         72s           cocked rotor time         54s (cold) 65.0         65.0         65.0         65.0           Efficiency (%)         25%         67.0         67.0         67.0         67.0           100%         69.9         69.9         69.9         69.9         69.9         69.9           Power Factor         25%         0.67         0.63         0.61         0.63         0.61           100%         0.75         0.72         0.70         1         1         26         1         24 <td< td=""><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td></td><td colspan="2"></td><td></td><td>2.57</td></td<>											2.57
Rated speed [RPM]         1365         1380         1395           Saled forque [Kgfm]         0.128         0.127         0.126           Jocked rotor forque [%]         200         220         240           Saled forque [%]         200         220         240           Service factor         1.00         1.00         1.00         1.00           Import the service factor         1.00         1.00         1.00         1.00           Socked rotor time         545 (cold) 30s (hot)         54s (cold) 30s (hot)         54s (cold) 30s (hot)         72s (cold) 30s (hot) <td< td=""><td></td><td></td><td colspan="2">1</td><td colspan="2"></td><td></td><td colspan="2"></td><td></td><td>5.5 0.360</td></td<>			1								5.5 0.360
Slip [%]         9.00         8.00         7.00           Rated forque [kgfm]         0.128         0.127         0.126           ocked rotor torque [%]         200         220         240           Service factor         1.00         1.00         1.00           Emperature rise         80 K         80 K         80 K           cocked rotor time         54s (cold) 30s (hot)         54s (cold) 30s (hot)         54s (cold) 30s (hot)           cocked rotor time         54s (cold) 30s (hot)         54s (cold) 30s (hot)         54s (cold) 30s (hot)           cocked rotor time         54s (cold) 30s (hot)         54s (cold) 30s (hot)         72s           vioise level <sup>2</sup> 44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Efficiency (%)         25%         67.0         67.0           75%         67.0         67.0         67.0           75%         0.57         0.53         0.50           100%         0.75         0.72         0.70           Losses at normative operating points (speed;torque), in percentage of rated output power         P2 (0,51,0)         47.0         47.0           P2 (0,51,0)         47.0         47.0         47.5         F2.5           P4 (0,9.0,5)         24.1 <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td></td> <td colspan="2"></td> <td></td> <td>1705</td>											1705
Rated forque [kgfm]         0.128         0.127         0.126           cocked rotor torque [%]         200         220         240           Service factor         1.00         1.00         1.00           Service factor         1.00         1.00         1.00           If read/own torque [%]         200         220         240           Service factor         1.00         1.00         1.00           If read/own torque [%]         200         545 (cold) 30s (hot)         545 (cold) 30s (hot)         758 (cold) 30s (hot)         72s (cold) 30s (hot)		J									5.28
cocked rotor forque [%]         200         220         240           Breakdown torque [%]         200         220         240           Bervice factor         1.00         1.00         1.00           Emperature rise         80 K         80 K         80 K           Locked rotor time         545 (cold) 30s (hot)         545 (cold) 30s (hot)         545 (cold) 30s (hot)           Joise level <sup>#</sup> 44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Efficiency (%)         25%         65.0         65.0         65.0           Trip (%)         25%         67.0         67.0         67.0           Power Factor         50%         0.57         0.53         0.50           Trip (%)         25%         0.67         0.63         0.61           100%         0.75         0.72         0.70         0.70           Losses at normative operating points (speed; torque), in percentage of rated output power         P1 (0.9;1.0)         45.5         45.5         45.5           P2 (0.5;1.0)         47.0         47.0         47.0         47.0         14.5           Losses (%)         P4 (0.9;0.5)         24.1         24.1         24.1         24.1           P5 (0.5;0.5) <td< td=""><td></td><td>1</td><td colspan="2"></td><td colspan="2"></td><td></td><td colspan="2"></td><td></td><td>0.103</td></td<>		1									0.103
Breakdown torque [%]         200         220         240           Bervice factor         1.00         1.00         1.00         1.00           Bervice factor         1.00         1.00         1.00         1.00           Emperature rise         80 K         80 K         80 K         80 K           Soise level <sup>2</sup> 44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Efficiency (%)         50%         65.0         65.0         65.0         67.0           100%         69.9         69.9         69.9         69.9         69.9           25%											270
Service factor         1.00         1.00         1.00         1.00           Imperature rise         80 K         55											280
Locked rotor time         54s (cold) 30s (hot)         54s (cold) 30s (hot)         54s (cold) 30s (hot)         72s           Noise level <sup>2</sup> 44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         72s           Efficiency (%)         50%         65.0         65.0         65.0         65.0         65.0         75%         67.0         67.0         67.0         67.0         67.0         75%         67.0											1.00
Noise level <sup>2</sup> 44.0 dB(A)         44.0 dB(A)         44.0 dB(A)         44.0 dB(A)           Efficiency (%)         25%         -<	emperature rise										80 K
Efficiency (%)         25%         65.0         67.0							hot)				cold) 40s (hot)
Efficiency (%)         50%         65.0         65.0         65.0           75%         67.0         67.0         67.0         67.0           100%         69.9         69.9         69.9         69.9           Power Factor         50%         0.57         0.53         0.50           75%         0.67         0.63         0.61         0.70           Losses at normative operating points (speed;torque), in percentage of rated output power         97         0.25;1,0)         47.0         47.0           P3 (0,25;1,0)         47.0         47.0         47.0         47.0         47.0           P5 (0,5;0,5)         18.7         18.7         18.7         18.7         18.7           P6 (0,5;0,25)         14.5         14.5         14.5         14.5         14.5           Bearing type         :         6201 ZZ         6201 ZZ         6201 ZZ         6201 ZZ         Max. traction         : 8 kgf           Sealing         :         :         -         -         Lubricant mount         :         -         -           Lubricant mount         :         -         -         -         -         -         -         -         -           Lubricant ty	oise level <sup>2</sup>		44.0	) dB(A)	4	4.0 dB(A)		44.0 c	B(A)	4	18.0 dB(A)
Efficiency (%)         75%         67.0         67.0         67.0           100%         69.9         69.9         69.9         69.9           Power Factor         25%	Efficiency (%)										
100%         69.9         69.9         69.9         69.9         69.9           Power Factor         50%         0.57         0.53         0.50         0.61         0.61         0.63         0.61         0.63         0.61         0.63         0.61         0.72         0.72         0.72         0.70         0.72         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         0.72         0.70         1.81											62.0
Power Factor         25%         0.57         0.53         0.50           75%         0.67         0.63         0.61         0.61           100%         0.75         0.72         0.70         0.70           Losses at normative operating points (speed;torque), in percentage of rated output power         97.0.70         45.5         45.5         45.5           Losses (%)         P1 (0,9;1.0)         45.5         45.5         45.5         45.5           P3 (0,25;1.0)         47.0         47.0         47.0         47.0           P3 (0,25;1.0)         41.8         41.8         41.8         41.8           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         10.9           Lubrication interval         :         -         -         -         14.8           Lubrication interval         :         -         -         -         14.8           Lubrication interval         :         -         -         -         14.8           (1) Looking the motor from the shaft end.         (2)         Masured at 11											66.0
Power Factor         50%         0.57         0.53         0.50           75%         0.67         0.63         0.61         0.63         0.61           Losses at normative operating points (speed;torque), in percentage of rated output power         0.70         0.70         0.70           Losses at normative operating points (speed;torque), in percentage of rated output power         P1 (0.9;1,0)         45.5         45.5         45.5           Losses (%)         P2 (0.5;1,0)         41.8         41.8         41.8         41.8           P3 (0,25;1,0)         41.8         41.8         41.8         41.8         41.8           P4 (0.9;0,5)         24.1         24.1         24.1         24.1         24.1           P6 (0,5;0,25)         14.5         14.5         14.5         14.5         14.5           P7 (0,25;0,25)         10.9         10.9         10.9         10.9         10.9           Lubrication interval         :         -         -         -         14.8         44.8           Lubrication interval         :         -         -         -         14.8         44.9           Lubricatin type         :         Mobil Polyrex EM         Max. compression         : 14 kgf         60034-1.			Ċ	9.9		69.9		09.9			70.0
75%         0.67         0.63         0.61           100%         0.75         0.72         0.70           Losses at normative operating points (speed;torque), in percentage of rated output power         P1 (0,9;1,0)         45.5         45.5         45.5           P2 (0,5;1,0)         47.0         47.0         47.0         47.0         P3 (0,25;1,0)         41.8	Power Factor	50%									0.50
Losses at normative operating points (speed;torque), in percentage of rated output power           Losses at normative operating points (speed;torque), in percentage of rated output power           P1 (0,9;1,0)         45.5         45.5         45.5           P2 (0,5;1,0)         47.0         47.0         47.0           P3 (0,25;1,0)         41.8         41.8         41.8         41.8           Losses (%)         P4 (0,9;0,5)         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         0.9         0.9           Bearing type         :         6201 ZZ         6201 ZZ         6201 ZZ         Max. compression         :         14 kgf           Lubrication interval         :         -         -         -         -         -           Lubricant type         :         Mobil Polyrex EM         These are average values based on tests wi power supply, subject to the tolerances stipu 60034-1.         :         :         :         :         :         :         :         :         :         :         :         :         <											0.60
Losses (%)         P1 (0,9;1,0)         45.5         45.5         45.5           P2 (0,5;1,0)         47.0         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         10.9           Bearing type         :         6201 ZZ         6201 ZZ         Max. traction         :         8 kgf           Sealing         :         Oil Seal         Oil Seal         Oil Seal         Max. compression         :         14 kgf           Lubrication interval         :         -         -         -         14 kgf         60034-1.		100%	C	0.75		0.72		0.70			0.69
Losses (%)         P1 (0,9;1,0)         45.5         45.5         45.5           P2 (0,5;1,0)         47.0         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         10.9           Bearing type         :         6201 ZZ         6201 ZZ         Max. traction         :         8 kgf           Sealing         :         Oil Seal         Oil Seal         Oil Seal         Max. compression         :         14 kgf           Lubrication interval         :         -         -         -         14 kgf         60034-1.	osses at normativ	ve operating	points (sp	eed;torque), ir	n percer	ntage of ra	ted out	put power			
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						
Performed by	nust be eliminated 1) Looking the mo 2) Measured at 1r 3) Approximate we nanufacturing proc	l. itor from the n and with to eight subject cess.	shaft end. lerance of	f +3dB(A).	hich	power su	ipply, si				
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Date 13/10/2023 1 / 19					Donriet	0 0 0 0 0 0 0 0 0					

### 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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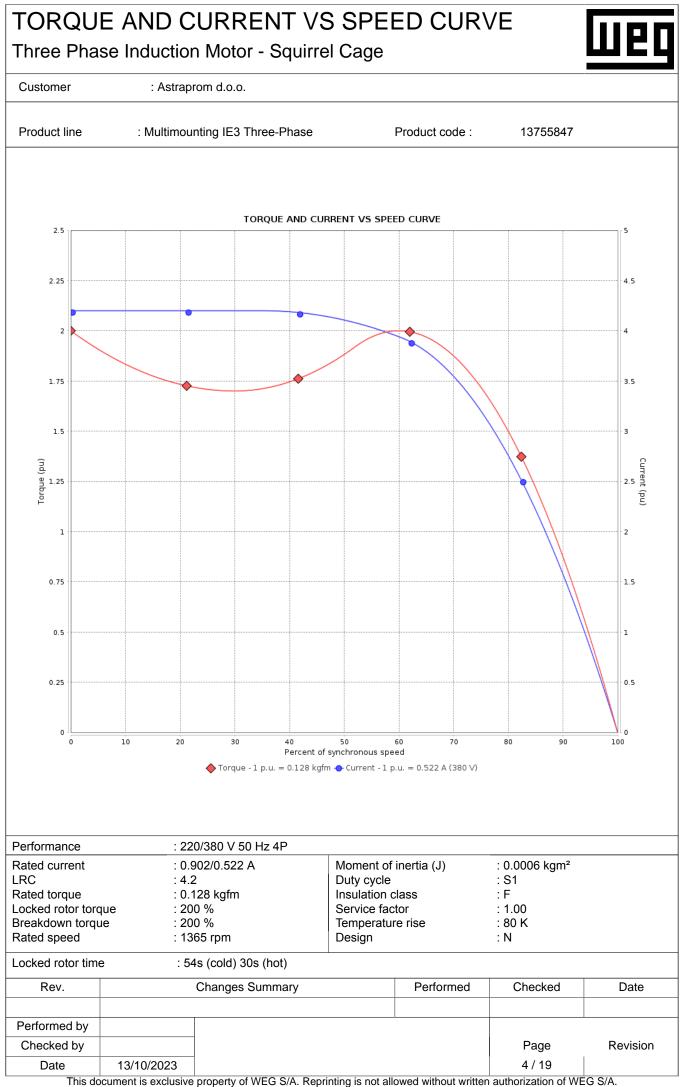
## DATA SHEET

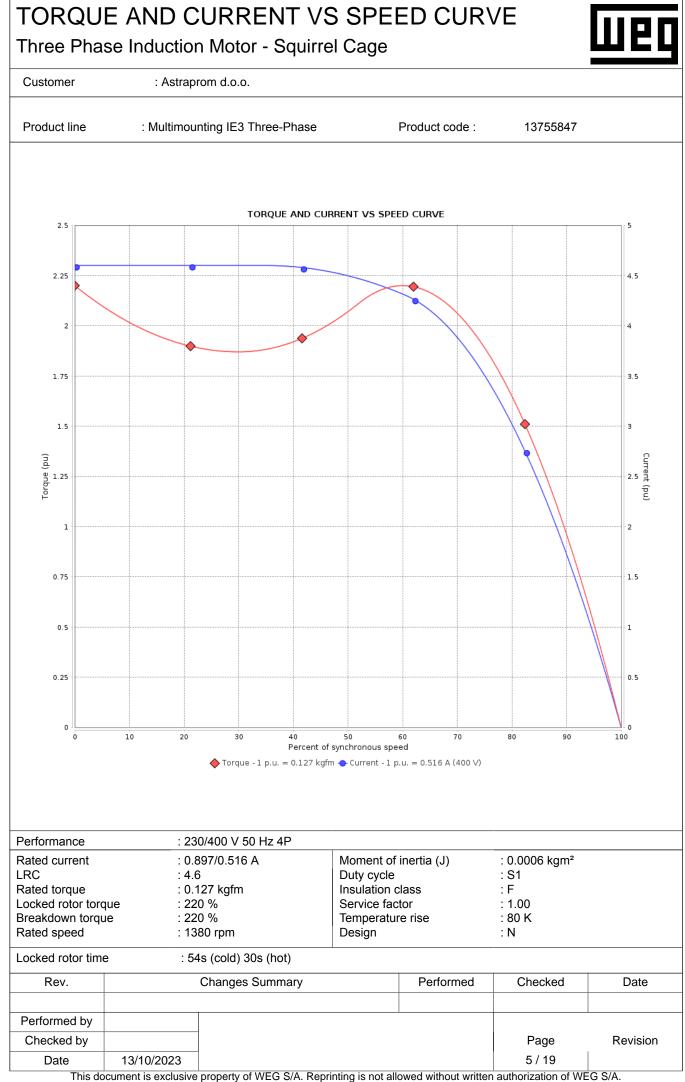
Three Phase Induction Motor - Squirrel Cage

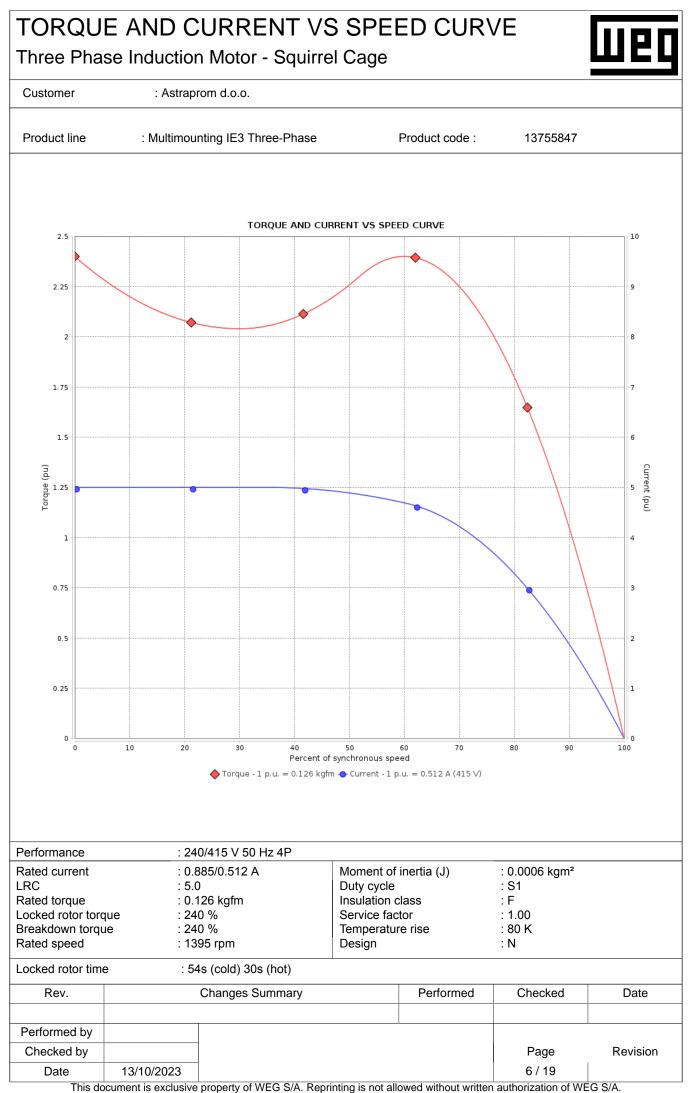


Customer : Astraprom d.o.o.

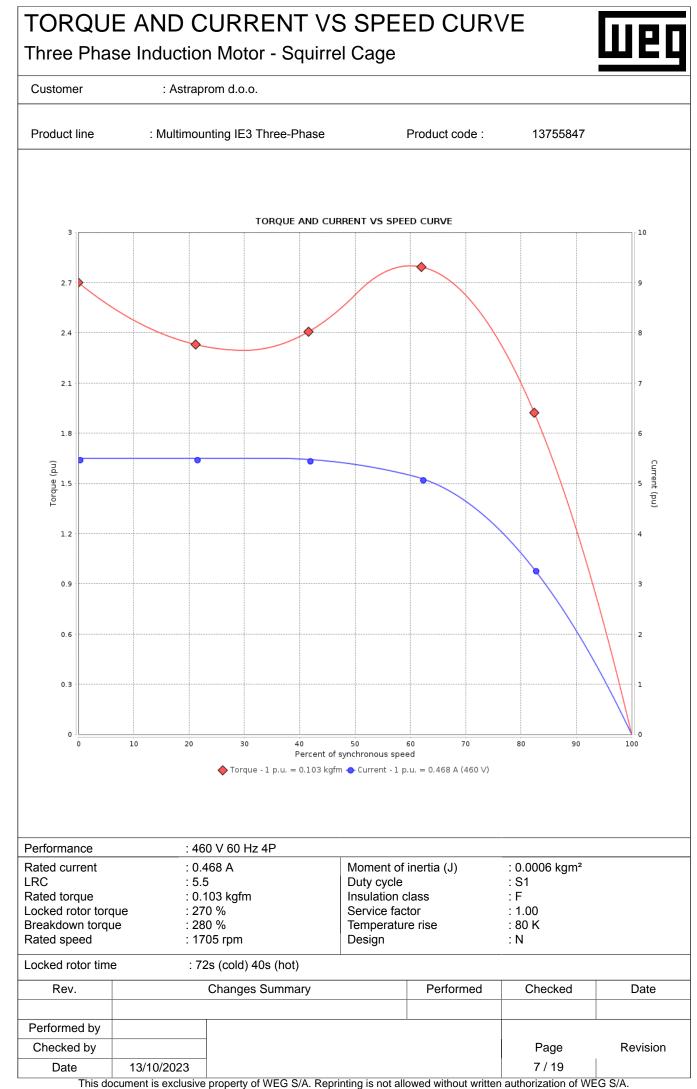
ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C	
				,	
	Chai	nges Summary	Performed	Checked	Date
Rev.					
Rev. Performed by Checked by				Page	Revision







Subject to change without notice



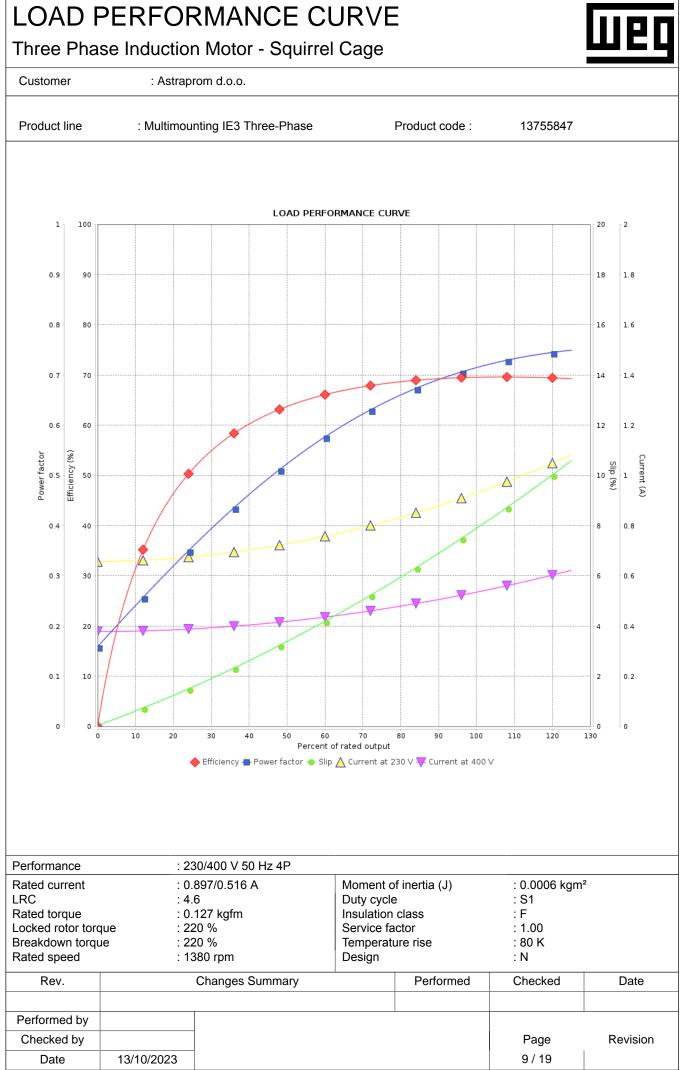
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### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



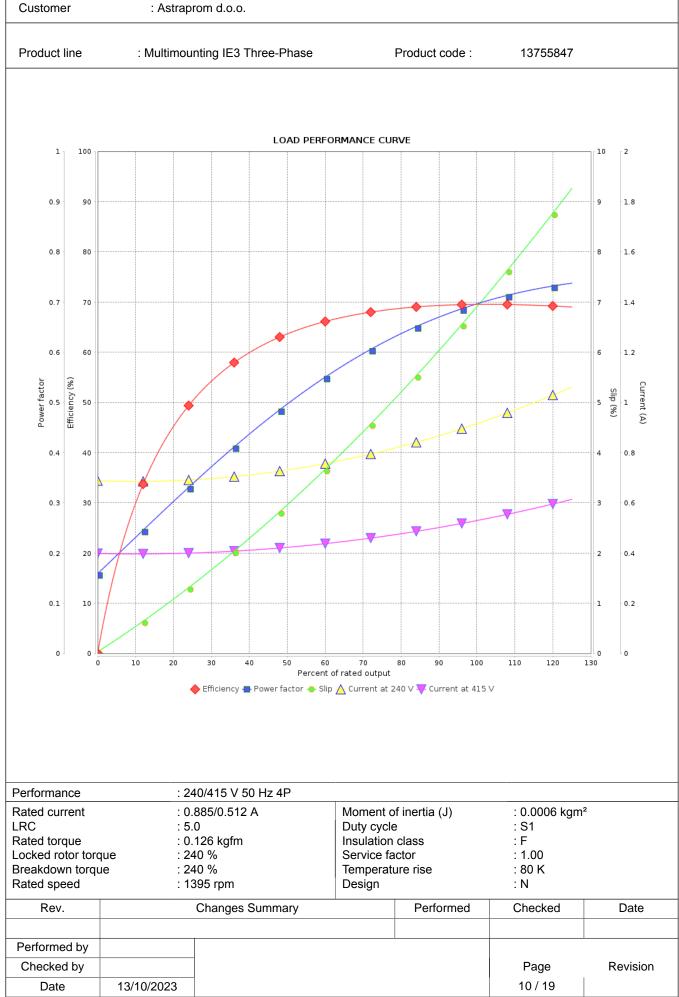
Customer : Astraprom d.o.o. Product line : Multimounting IE3 Three-Phase Product code : 13755847 LOAD PERFORMANCE CURVE 1 100 20 2 0.9 90 18 1.8 1.6 0.8 80 16 0.7 70 14 1.4 1.2 0.6 60 12 Efficiency (%) Power factor Δ Current (A) Slip (%) 0.5 10 1 50  $\triangle$  $\Delta$ 0.4 40 8 0.8  $\triangle$  $\triangle$ 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 kgm<sup>2</sup> 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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