DATA SHEET



Efficiency (%) 91.0 91.7 92.4 Nax. traction : 170 kgf Power Factor 0.68 0.78 0.83 Max. traction : 314 kgf 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 8.1 7.0 6.5 3.9 2.8 1.8 1.3 Bearing type : 6309 C3 6209 C3 Sealing : VRing Lip Seal Lubrication interval : 20000 h 200000 h Lubricant amount : 13 g 9 g Mobil Polyrex EM 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 manufacturing process.	Customer	:						
Output :15 HP (11 kW) Temperature rise :80 K Proles :4 Duty cycle Cont.(S1) Frequency :60 Hz Ambient emperature :20°C to +40°C Rated current :14.4 A Protection degree :19°5 LR Amperes :92.2 A Cooling method :COT! Cto +40°C LRC :6.4K(Code G) Mounting :F-1 No load current :5.84 A Rotation* :Both (CW and CCW) No load current :5.84 A Rotation* :Both (CW and CCW) Slip :1.67 % Starting method :Direct On Line Rated torque :6.15 kgfm Approx. weight* :144 kg Locked rotor torque :250 % Starting method :Direct On Line Insulation class :F Service factor :1.25 Moment of inertia (J) :0.1104 kgm² Power Factor :8 Design :B Foundation loads Efficiency (%) 9.1.0 91.7 92.4 Max. traction :170 kgf Power Factor <th>Product line</th> <th></th> <th></th> <th></th> <th colspan="4">Product code: 13945491</th>	Product line				Product code: 13945491			
Duty by 15 HP (11 kW) Frequency 16 Hz 14 km Duty cycle 16 Cont.(S1) Cont.(Frame	:	 254T	Locked	rotor time	: 37s (cold)	21s (hot)	
Poles			-				210 (1101)	
Frequency								
Rated voltage		· · · · · · · · · · · · · · · · · · ·					40°C	
Rated current LR. Amperes 99.2 A LRC 16 4 4 A LR. Amperes 99.2 A LRC 16 5 8 4 A Rotator No load current 1770 rpm No load current 16.15 8 4 A Rotation No load current 1770 rpm Noise level 16.15 kgfm Locked rotor torque 12.29 % Breakdown torque 12.29 % Breakdown torque 12.25 % Breakdown torque 12.25 % Breakdown torque 12.10								
L.R. Amperes L.R.C S. 6. 4x(Code G) No load current Rated speed Silp Silp Silp Silp Starting method Starting the stort on Line Starting method Starting method Starting method Starting method							5.I.	
LRC								
No load current Rated speed : 1770 rpm Rated speed : 1640 Agn Slip : 1.67 % Rated torque : 6.15 kg/m Locked rotor torque : 229 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.1104 kgm² Design : B Output 50% 75% 100% Foundation loads Efficiency (%) 91.0 91.7 92.4 Max. traction : 170 kgf Power Factor 0.68 0.78 0.83 Max. compression : 314 kgf 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) R.1 7.0 6.5 3.9 2.8 1.8 1.3 Drive end Non drive end Bearing type : 6309 C3 6209 C3 Scaling : VFking Lip Seal Lubrication interval Lubricant amount : 13 g Mobil Polyrex EM 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 a subject to changes after manufacturing process. (4) At 100% of full load.							:FC	
Rated speed : 1770 rpm Noise level : 64.0 dB(A) Slip : 1.67 % Slarting method : Direct On Line Rated torque : 6.15 kgfm Approx. weight : 144 kg Locked rotor torque : 229 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Smoment of inertia (J) : 0.1104 kgm² Design : B Output								
Slip : 1.67 %								
Rated torque : 6.15 kgfm								
Locked rotor torque	Slip	:	1.67 %	Starting	ı method	: Direct On I	Line	
Locked rotor torque	Rated torque	:	6.15 kgfm	Approx	. weight³	: 144 kg		
Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.1104 kgm² Design : B Output 50% 75% 100% Foundation loads Efficiency (%) 91.0 91.7 92.4 Max. traction : 170 kgf Power Factor 0.68 0.78 0.83 Max. compression : 314 kgf 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 8.1 7.0 6.5 3.9 2.8 1.8 1.3 Bearing type Sealing : VRing Lip Seal Lubrication interval : 20000 h 20000 h Lubricant amount : 13 g 9 g Lubricant type : Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which must be eliminated. (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.				''	· ·	· ·		
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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) 8.1 7.0 6.5 3.9 2.8 1.8 1.3 Drive end Source of Source								
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Bearing type : 6309 C3 6209 C3 Sealing : V'Ring Lip Seal Lubrication interval : 20000 h 20000 h Lubricant amount : 13 g 9 g 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 manufacturing process. (4) At 100% of full load.	Losses at normat	tive operating po	ints (speed;torque),	in percentage of i	ated output power			
Bearing type : 6309 C3			P3 (0,25;1,0)		P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25	
Bearing type : 6309 C3 Sealing : V'Ring Lip Seal Lubrication interval : 20000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM 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 manufacturing process. (4) At 100% of full load.	8.1	7.0	6.5	3.9	2.8	1.8	1.3	
Bearing type : 6309 C3 Sealing : V'Ring Lip Seal Lubrication interval : 20000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM 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 manufacturing process. (4) At 100% of full load.			Drive end	d	Non drive end	<u> </u>		
Sealing : VRing Lip Seal Lubrication interval : 20000 h Lubricant amount : 13 g Mobil Polyrex EM 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 manufacturing process. (4) At 100% of full load.	Bearing type					_		
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Lubricant amount : 13 g 9 g Lubricant type : Mobil Polyrex EM 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 manufacturing process. (4) At 100% of full load.		:						
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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 manufacturing process. (4) At 100% of full load. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	Sealing Lubrication interv		V'Ring 20000 I		Lip Seal 20000 h			
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 manufacturing process. (4) At 100% of full load. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	Sealing Lubrication interv Lubricant amoun		V'Ring 20000 I	n	Lip Seal 20000 h 9 g			
manufacturing process. (4) At 100% of full load.	Sealing Lubrication intervalubricant amount Lubricant type		V'Ring 20000 I	n	Lip Seal 20000 h 9 g			
Rev. Changes Summary Performed Checked Date	Sealing Lubrication intervaluation type Notes This revision replacement to eliminate (1) Looking the mount of the control of	aces and cancel	V'Ring 20000 I 13 g the previous one, w	Mobil Polyre	Lip Seal 20000 h 9 g x EM			
	Sealing Lubrication inter Lubricant amour Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at a (3) Approximate was manufacturing pro-	aces and cancel ed. notor from the sh 1m and with tole weight subject to	V'Ring 20000 I 13 g the previous one, waft end.	Mobil Polyre	Lip Seal 20000 h 9 g x EM			

	Changes Summary	Performed	Checked	Date
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				Page

DATA SHEET



Three Pha	se Induction	<u> </u>					
Customer :							
Voltage: 525-579 Brake Torque: 19	5 V 5.3 kgfm	Brake information	1				
Rev.		Changes Summary	Performed	Checked	Date		
Performed by							
Checked by				Page	Revision		

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Date

LOAD PERFORMANCE CURVE

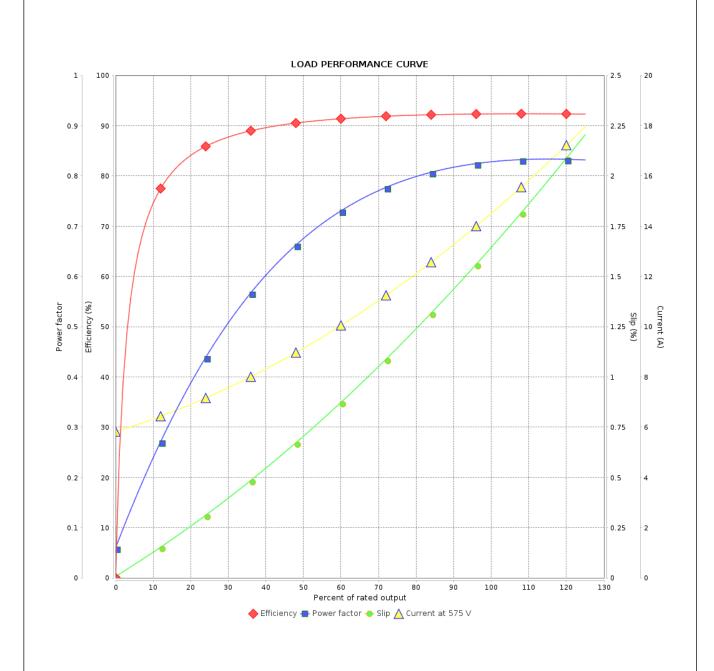
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Product code : 13945491

Efficiency Three-Phase



: 575 V 60 Hz 4P					
: 14.4 A	ı	, ,		: 0.1104 kgm²	
: 6.4	Duty cycle)	: Cont.(S1)		
: 6.15 kgfm	Insulation	Insulation class		: F	
: 229 %	Service fa	Service factor		: 1.25	
: 250 %	Temperature rise		: 80 K		
: 1770 rpm	Design		: B		
Changes Summary		Performed Check		Date	
-	: 14.4 A : 6.4 : 6.15 kgfm : 229 % : 250 % : 1770 rpm	: 14.4 A	: 14.4 A : 6.4 : 6.15 kgfm : 229 % : 250 % : 1770 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 14.4 A Moment of inertia (J) : 0.1104 kgm² : 6.4 Duty cycle : Cont.(S1) : 6.15 kgfm Insulation class : F : 229 % Service factor : 1.25 : 250 % Temperature rise : 80 K : 1770 rpm Design : B	

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Rev.	Changes Summary			Performed	Checked	Date
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Checked by					Page	Revision
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