



Certificate of Compliance

Certificate: 1293961

Master Contract: 189340

Project: 70001978

Date Issued: 2014-03-28

Issued to: Nord Motoriduttori S.r.l.
Via Newton, 22
San Giovanni in Persiceto, (BO) 40017
ITALY
Attention:

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: Nico Bos
Nico Bos

PRODUCTS

CLASS – 4211-01 - MOTORS AND GENERATORS
4211-81 - MOTORS AND GENERATORS - Certified for US Standard

Squirrel-cage induction motors, Single phase, Series EST,EAR,EHB, EAR1, EHB1,ECR 4 poles, frame size from 63 to 90, TEFC, with or without brake, with or without servo-ventilation, insulation Class F, horizontal or vertical, foot or flange mounting. 230 V max, 50 or 60 Hz, 1.5 kW max. , Service factor 1 or 1.20-1.35 on some specific models. Continuous duty service S1 , Rated ambient temperature 40°C

Note: motors could also be marked for intermittent duty service , S2 or S3, provided that the input rated current is less than or equal to the value indicated for the continuous duty service S1.

Squirrel-cage induction motors, Three phases, Series CUS, 2 through 12 poles, Frame size 63 to 200, 1 or 2 speed, with or without brake, with or without servo-ventilation insulation Class F, horizontal or vertical, foot or flange mounting. 600V max, 50 or 60Hz, 30 kW max. service factor 1.0 or 1.15 on some specific models, , Continuous duty service S1, Rated ambient temperature 40°C , only model 63SX-4 CUS is 55°C, May be marked inverter duty, CT, VPWM

Note: motors could also be marked for intermittent duty service , S2 or S3, provided that the input rated current is less than or equal to the value indicated for the continuous duty service S1.



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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 100-04 – Motors and Generators

UL Std. No. 1004-1 – 2nd Ed. – Rotating Electrical Machines –General Requirements

UL Std No. 1004-8 – 2nd Ed. – Standard for Inverter Duty Motors

Notes: Certified only as components for use with other certified equipment, where the suitability of the combination is determined by the Canadian Association



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70001978	March 28, 2014	Update to report 1293961 : to validate the use with inverter VPWM CT, not supplied, only on CUS series motors; For all motors, addition of an insulation system in alternative and an alternative terminal blocks WAGO and an optional use Liquid Tight Cord Grip.
2566495	November 09, 2012	Update of report 1293961: to add 6 new models of three phase motors in Series CUS: 80SH/4 CUS; 90AH/4 CUS; 160LP/4 CUS; 160MP/4 CUS; 180LP/4 CUS; 180MP/4 CUS; And to extend the options of Single phase motors, Series EST,EAR,EHB, EAR1, EHB1,ECR and Three phase motors, Series CUS with the following additions: SR: Brake dust protected , include rust protection IG11, IG12, IG21, IG22, IG41, IG42 :Incremental Encoder. IG2P , IG21P, IG22P, IG23P: Incremental encoder with plug IG...K: Incremental encoder with terminal box GAN1: Suitable for encoder GAN1K: Suitable for encoder IG...K EP: Epoxy varnish MG: Magnetic encoder AICM: Additional insulation
2475956	January 20, 2012	Update of report 1293961: to Correct some errors , to extend the range of Three phase motors up to MEC 200 frame size , addition on new stators size codes; AH, SP, MP, LP.
2198003	January 18, 2010	Update to report 1293961 to cover corrections, and addition of new options DBRxx: - D.C brake in double design (xx = 6- 12,5- 25-50-75-125-187-300-500, Nm; IG1P/IG4P/IG11P/IG41P/IG12P/IG42P/IG13P/IG43P: Incremental encoder with plug; FC: Separate Cooling fan motor rated at 115V; Addition new sizes brake 400-800-1200 Nm (upon option BRE and BRB) Addition of new series of motor EHB1, ECR: EAR1 and Alternative Insulation system and space heaters. Addition of alternative terminal block's manufacturer Addition of alternative separate fan's manufacturer Update of motors model size 160-180 Addition of alternative Klixon relay type 4CR Addition of alternative capacitor's manufacturer



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Update of power on model 100LA-4.

2013247	April 03, 2008	Update of report 1293961: to Correct some errors, addition of a new option (KBO- Condensate Draining Hole, open), and addition of, aluminum as a new material for cooling fan, update of stator size for model 112MH/4 CUS, 160 mm instead of 140mm, and a different ambient temperature for model, 63SX/4 CUS, 55°C instead of 40°C,
1859798	Dec. 06, 2006	Update of report 1293961: added an alternate insulating varnish; added, a supply connector on three-phase motor range a new type of fan cover (Textile fan cover) as optional components and new models of single and three-phase range motors (LA, MA, SA stator's size designation)
1726630	October 24, 2005	Update of Project 1293961: Extend the range of Three phase motor up to MEC 180 frame size , adding 8/4 poles series ,adding a new type of motor designated. 63SX/4 CUS, adding new type of rotation sensors (ELV) , as Bearing encoder.
1634865	Jan. 18, 2005	Update to Report 189340-1293961 to replace and correct outdated illustrations, to add a new certified alternate material for terminal block manufactured by F.I.A.M.E.
1439229	May 9, 2003	Update of Project 1293961: Correct some errors, adding missing items , and new attachments.
1293961	Jan.2, 2002	Original Certification, Squirrel-cage induction motors, single phase, Series EST, EAR, EHB; Squirrel-cage induction motors, three-phase, Series CUS.