



DET NORSKE VERITAS

CERTIFICATE OF CONFORMITY

CERTIFICATE NO. DNV-2003-OSL-LVD/EMC-0181

This Certificate consists of 3 pages

This is to confirm that the
INVERTER

with type designation
N100^{plus}-037LF,
N100^{plus}-022LF, N100^{plus}-015LF, N100^{plus}-007LF, N100^{plus}-004LF,
N100^{plus}-004SF, N100^{plus}-007SF, N100^{plus}-015SF

manufactured by
HYUNDAI HEAVY INDUSTRIES CO., LTD.,
1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA

is found to comply with

The essential health and safety requirements specified in Annex I of Council Directive 73/23/EEC, as amended and the essential protection requirements specified in Article 4 of Council Directive 89/336/EEC, as amended,

The product has been assessed with respect to the technical documentation as specified in point 3 of Annex IV of 73/23/EEC and to suitable standards referred to in Article 7(1)(a) of 89/336/EEC

Further details of the product and conditions for certification are given overleaf.

Place and date

Høvik, 09 July 2003

for DET NORSKE VERITAS CERTIFICATION AS




Per Ove Øyberg
Head of Section




Per Gulbrandsen / Huu Dung Dinh
Assessors

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or may render this certificate invalid.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: DNV-2003-OSL-LVD/EMC-00181
File No.: 42035228

Product description

Electrical rating
Input voltage : 200V ~ 230V ac, 50/60Hz, 3phase (LF series), 1phase (SF series)
Output voltage : 200V ~ 230V ac, 3Phase, 0.01 ~ 400Hz,
Rated output current : 3 ~ 17A
Applicable motor size : 0.4kW ~ 3.7kW

Technical specifications met

The following harmonised standards giving presumption of compliance:

- EN 50178 : 1997
- EN 50081-2 : 1993
- EN 61000-6-2: 1999

Documentation

TRR no.: 044-02
KTL test reports no. : 02-S240-0005A-1-2, 02-S240-0005A-2-2, 2002-S240-6-1

Applications/Limitations

Industrial environment

END of Certificate





DET NORSKE VERITAS

CERTIFICATE OF CONFORMITY

CERTIFICATE NO. DNV-2002-OSL-LVD/EMC-0262

This Certificate consists of 2 pages

This is to confirm that the
INVERTER

with type designation
N100^{plus}-037HF,
N100^{plus}-022HF, N100^{plus}-015HF, N100^{plus}-007HF, N100^{plus}-004HF,

manufactured by
HYUNDAI HEAVY INDUSTRIES CO., LTD.,
1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA

is found to comply with

The essential health and safety requirements specified in Annex I of Council Directive 73/23/EEC, as amended and the essential protection requirements specified in Article 4 of Council Directive 89/336/EEC, as amended,

The product has been assessed with respect to the technical documentation as specified in point 3 of Annex IV of 73/23/EEC and to suitable standards referred to in Article 7(1)(a) of 89/336/EEC

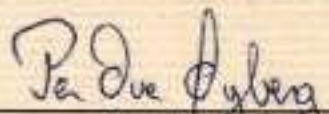
Further details of the product and conditions for certification are given overleaf.

Place and date

Høvik, 13 December 2002

for DET NORSKE VERITAS CERTIFICATION AS




Per Ove Øyberg
Head of Section




Per Gulbrandsen / Huu Dung Dinh
Assessors

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or may render this certificate invalid.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation for such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million in the provision 'Det Norske Veritas' shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: DNV-2002-OSL-LVD/EMC-0262
File No.: 42035137

Product description

Electrical rating

Input voltage : 380V ~ 460V ac, 3Phase, 50/60Hz
Output voltage : 380V ~ 460V ac, 3Phase, 0.01 ~ 400Hz ,
Rated output current : 1.8 ~ 9.2A
Applicable motor size : 0.4kW ~ 3.7kW

Technical specifications met

The following harmonised standards giving presumption of compliance:

- EN 50178 : 1997
- EN 50081-2 : 1993
- EN 61000-6-2: 1999

Documentation

TRR no.: 043-02

KTL test reports no. : 02-S240-0005B-1-2, 02-S240-0005B-2-2, 2002-S240-6-2

Applications/Limitations

Industrial environment

END of Certificate



Phul

CERTIFICATE OF CONFORMITY

According to

The Low Voltage Directive (LVD) 73/23/EEC

This certificate is only valid for products submitted to Underwriters Laboratories for certification, which are identical to

Certificate No.	E205705-MED01-05
Product	Inverter
Model /Type ref.	N100plus-055LF, N100plus-075LF, N100plus-055HF, N100plus-075HF
Holder of Certificate	HYUNDAI HEAVY INDUSTRIES CO., LTD 1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA, 682-792
Manufacturer	HYUNDAI HEAVY INDUSTRIES CO., LTD 1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA, 682-792
Electrical Rating	N100plus-055LF: 200-230 V3~; 50/60 Hz; 0,4-5,5 kW N100plus-075LF: 200-230 V3~; 50/60 Hz; 0,4-7,5 kW N100plus-055HF: 380-460 V3~; 50/60 Hz; 0,4-5,5 kW N100plus-075HF: 380-460 V3~; 50/60 Hz; 0,4-7,5 kW

This certificate is only valid for products submitted to Underwriters Laboratories for certificate, which are identical to the tested and certified product(s). It is confirmed that a sample of the product has been tested and found in conformity with the following standard(s):

Standard(s): EN 50178:1997

Detailed specification of the tested and certified product are shown in the following Test Report:

Test Report Ref. No.: 05CA27195-CE Issued Date : Oct. 24, 2005 By : UL Korea Ltd

The Member States of the EU shall presume compliance with the provisions of the Low Voltage Directive (LVD) 73/23/EEC of 19th February 1973, as amended by 93/68/EEC of 22nd July 1993, when the product is carrying the CE-mark of conformity, a Declaration of Conformity with the LVD Directive has been completed and signed by the manufacturer or his authorized representative established within the Community, and when the additional requirements of Annex IV regarding internal production control and the presence of technical documentation are complied with.

This document contains 1 page(s).

Date : Oct. 26, 2005



Signature.....

Taek Jeong, Shin
Certification Manager
Conformity Assessment Services

CERTIFICATE OF CONFORMITY

According to
EMC Directive 89/336/EEC

Certificate No.	EMC2416-05-04
Product	INVERTER DRIVER
Model /Trade ref.	N100plus-075LF (Basic) N100plus-055LF
Holder of Certificate	HYUNDAI HEAVY INDUSTRIES CO., LTD 1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA, 682-792
Manufacturer	HYUNDAI HEAVY INDUSTRIES CO., LTD 1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA, 682-792
Trade Mark	
Electrical Rating	3-Phase, 200-230V, 50/60Hz, 7.5kW
Additional Information	This certificate covers the multilisting model name as described on the appendix to this certificate

This certificate is only valid for products submitted to Underwriters Laboratories for certification, which are identical to the tested and certified product(s). It is confirmed that a sample of the product has been tested and found in conformity with the following standard(s):

Standard(s): EN 61000-6-2:2001, EN 61000-6-4:2001

Detailed specification of the tested and certified product are shown in the following Test Report:

Test Report Ref. No.: BWS-05-EC-0079 Issued Date : OCT 13, 2005 By : BWS Tech Inc.

The Member States of the EU shall presume compliance with the provisions of the EMC Directive 89/336/EEC of 3rd May 1989, as amended by directive 92/31/EEC of 28th April 1992 and 93/68/EEC of 22nd July 1993, when the product is carrying the CE-mark of conformity, a Declaration of Conformity with the EMC Directive has been completed and signed by the manufacturer or his authorized representative established within the Community, and the relevant documentation is available.

This document contains 1 page(s).

Date : October 21, 2005



 An Affiliate of
**Underwriters
 Laboratories Inc.**

Signature.....
 Taek Jeong Shin
 Certification Manager
 Conformity Assessment Services

UL Korea Ltd.
 33rd Fl. Star Tower 737, Yeoksam-dong,
 Kangnam-gu, Seoul, Korea
 Telephone:+82 2 2009 9000 Fax:+82 2 2009 9404

Appendix to

CE EMC Certificate No. EMC2416-05-04

The certificate covers the following :

Additional information:

The following model names listed are multi-listed model names based on the basic test report No. BWS-05-EC-0079 and identical to the basic model in electrical and mechanical construction

MULTI MODELS DESCRIPTIONS		UNIT	N100plus-055LF	N100plus-075LF (Basic)
Output	Applicable motor capacity	kW	5.5	7.5
	Rated output capacity	kVA	9.1	12.2
	Rated output current	A	24.0	32.0
	Rated output voltage	V	3-Phase, 200-230Vac	
	Maximum output frequency	Hz	400	
Power supply	Phase, Voltage, Frequency		3-Phase, 200-230Vac, 50/60Hz	
	Power condition		Voltage:±10%/Frequency:±5%	
	Power module		7MBR75SD060	7MBR100SD060

Date : October 21, 2005



Signature.....

Taek Jeong Shin
 Certification Manager
 Conformity Assessment Services



UL Korea Ltd.
 33rd Fl. Star Tower 737, Yeoksam-dong,
 Kangnam-gu, Seoul, Korea
 Telephone:+82 2 2009 9000 Fax:+82 2 2009 9404

CERTIFICATE OF CONFORMITY

According to
EMC Directive 89/336/EEC

Certificate No.	EMC2416-05-05
Product	INVERTER DRIVER
Model /Trade ref.	N100plus-075HF (Basic) N100plus-055HF
Holder of Certificate	HYUNDAI HEAVY INDUSTRIES CO., LTD 1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA, 682-792
Manufacturer	HYUNDAI HEAVY INDUSTRIES CO., LTD 1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA, 682-792
Trade Mark	
Electrical Rating	3-Phase, 380-460V, 50/60Hz, 7.5kW
Additional Information	This certificate covers the multilisting model name as described on the appendix to this certificate

This certificate is only valid for products submitted to Underwriters Laboratories for certification, which are identical to the tested and certified product(s) . It is confirmed that a sample of the product has been tested and found in conformity with the following standard(s):

Standard(s): EN 61000-6-2:2001, EN 61000-6-4:2001

Detailed specification of the tested and certified product are shown in the following Test Report:

Test Report Ref. No.: BWS-05-EC-0080 Issued Date : OCT 13, 2005 By : BWS Tech Inc.

The Member States of the EU shall presume compliance with the provisions of the EMC Directive 89/336/EEC of 3rd May 1989, as amended by directive 92/31/EEC of 28th April 1992 and 93/68/EEC of 22nd July 1993, when the product is carrying the CE-mark of conformity, a Declaration of Conformity with the EMC Directive has been completed and signed by the manufacturer or his authorized representative established within the Community, and the relevant documentation is available.

This document contains 1 page(s).

Date : October 21, 2005



UL An Affiliate of
Underwriters Laboratories Inc.

Signature.....
 Taek Jeong Shin
 Certification Manager
 Conformity Assessment Services

UL Korea Ltd.
 33rd Fl. Star Tower 737, Yeoksam-dong,
 Kangnam-gu, Seoul, Korea
 Telephone:+82 2 2009 9000 Fax:+82 2 2009 9404

Appendix to
CE EMC Certificate No. EMC2416-05-05

The certificate covers the following :

Additional information:

The following model names listed are multi-listed model names based on the basic test report No. BWS-05-EC-0080 and identical to the basic model in electrical and mechanical construction

MULTI MODELS DESCRIPTIONS		UNIT	N100plus-055HF	N100plus-075HF (Basic)
Output	Applicable motor capacity	kW	5.5	7.5
	Rated output capacity	kVA	9.1	12.2
	Rated output current	A	12.0	16.0
	Rated output voltage	V	3-Phase, 380-460Vac	
	Maximum output frequency	Hz	400	
Power supply	Phase, Voltage, Frequency		3-Phase, 380-460Vac, 50/60Hz	
	Power condition		Voltage:±10%/Frequency:±5%	
	Power module		7MBR35SD120	7MBR50SD120



Date : October 21, 2005

Signature.....
 Taek Jeong Shin
 Certification Manager
 Conformity Assessment Services



UL Korea Ltd.
 33rd Fl. Star Tower 737, Yeoksam-dong,
 Kangnam-gu, Seoul, Korea
 Telephone:+82 2 2009 9000 Fax:+82 2 2009 9404



ООО "ТД "Степмотор", Адрес юридический: 194044, г. С-Петербург, ул. Менделеевская, дом 2.,
Фактический адрес: тот же, телефон: (812) 953-07-32, 8-800-5555-068, ИНН/КПП
7804501708/780401001,
Код по ЕГРПО(ОГРН) 1137847042013. www.stepmotor.ru market@stepmotor.ru

Извещаем Вас об изменении наших реквизитов:

Полное наименование: Общество с ограниченной ответственностью "Торговый дом
"Степмотор"

Сокращенное наименование: **ООО "ТД "Степмотор"**

Адрес юридич.: 194044, г. С-Петербург, ул. Менделеевская, дом 2.

Фактический адрес: тот же

Телефон: (812) 953-07-32, 8-800-5555-068

ИНН/КПП 7804501708/780401001

р/с 40702810480040000098 в Филиале ОПЕРУ ОАО Банк ВТБ в Санкт-Петербурге
г. Санкт-Петербург

к/с: № 30101810200000000704 БИК 044030704

Код по ЕГРПО(ОГРН) 1137847042013

Генеральный директор Петров В.А.