



MARINE DIVISION

Certificate number: 02281/I0 BV

File number: ACM 190/006/000

Product code: 6903H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

DANFOSS A/S
NORDBORG - DENMARK

for the type of product

TEMPERATURE CONTROLLERS FOR REFRIGERATING PLANTS

"KP 61 - KP 62 - KP 63 - KP 68 - KP 69 - KP 71- KP 73 - KP 75 - KP 77 - KP 79 and KP 81"

Requirements:

BV Rules for the Classification of Steel Ships.

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 26 Mar 2018

For BUREAU VERITAS,

At BV FREDERICIA, on 26 Mar 2013,

Jesper Jensen



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

"TEMPERATURE CONTROLLERS FOR REFRIGERATING PLANTS"

TYPE	RANGE (°C)
KP 61	- 30 + 15
KP 62	- 30 + 15
KP 63	- 50 - 10
KP 68	- 5 + 35
KP 69	- 5 + 35
KP 71	- 5 + 20
KP 73	- 25 + 15
KP 75	+ 10 + 45
KP 77	+ 20 + 60
KP 79	+ 50 + 100
KP 81	+ 80 + 150

2. DOCUMENTS AND DRAWINGS:

According to Manufacturer's Catalogue RK.00.H3.02 (pages 297 to 304).

3. TEST REPORTS:

According to Test report filed in ACM 190/006/00.

4. APPLICATION / LIMITATION:

Bureau Veritas Rules for the Classification of Steel Ships.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **DANFOSS A/S, Nordborg - Denmark** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320.

5.3 - **DANFOSS A/S, Nordborg - Denmark** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

Danfoss Poland Sp z.o.o
Ul. Chrzanowska 5
PL-05-825 Grodzisk Mazowiecki
POLAND

6. MARKING OF PRODUCT:

- Maker's name or trademark.
- Serial number of the units.
- Equipment type number or model identification under which it was type-tested.

7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **Danfoss A/S, Nordborg - Denmark** will accept full responsibility for informing shipbuilders, ship-owners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This certificate cancels and replaces the Type Approval Certificate N° 02281/H1 issued on 16/05/2011 by the Society.

*** END OF CERTIFICATE ***