



APPLICATION FOR DNV TYPE APPROVAL

Ref. no.:
A1835513

Type of application: Initial Modification Renewal Periodical Assessment
For Modification, Renewal or Periodical Assessment – applicable certificate(s) no.: TAE00000Y0

This form should be filled in by the applicants applying for DNV Type Approval in accordance with the DNV rules. Send the completed form to your local DNV office.

Particulars of application

Manufacturer ¹: Danfoss Drives Oy
Manufacturer address: Runsorintie 7, 65380 Vaasa, Finland
Place of manufacture: Danfoss S.r.l via Roma 2, I-39014 Postal, Merano, Italy
Company applying for type approval: Danfoss Drives Oy

Applicant is authorised by the manufacturer to act on its behalf. Authorisation: Enclosed

Type approval of: Vacon 100X Series

Standards: RU-SHIP (DNV Rules for Classification of Ships)
 RU-HSLC (DNV Rules for Classification of High Speed Light Crafts)
 RU-OU (DNV Rules for Classification of Offshore Units)
 Other:

In case the product is also certified according to other standards than GL, DNV, DNV GL Rules, the applicant confirms herewith that the product is in compliance with the latest revision of this standard.

For modification and renewal only:
Have alterations been made to the design or materials of the product since the previous certification?
 Yes No

If Yes, add a brief description of the modifications:

Field of application: **Products approved by this certificate are accepted for installation on all vessels classed by DNV.**
Supply voltage range: 280-240V / 380-480V / 380-500V, 50/60 Hz
Voltage variation: -15 %, +10 % continuously
Frequency variation: 47,5 - 66 Hz
Output frequency: 0-320 Hz
Temperature range in operation: 0-40 °C (40- 60 °C when derated 2,5%/°C)
Temperature Class: A
Vibration Class: A
Humidity Class: A
EMC Class: DNVGL-CG-0339
To be used on EMC class A locations

Marking of the product: Vacon 100X - Type designation - Power - Voltage

Each product shall be provided with visible marking, giving at least the following information:
- Manufacturer's name
- Type designation

¹ "Manufacturer" means any natural or legal person who manufactures the product or has the product designed or manufactured, and markets the product under its own trademark. See DNV-CP-0338 Section 2 for details.



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- All technical data necessary for the application

The undersigned representative of the manufacturer agrees to give DNV permission to survey the manufacturing premises, production and inspection routines when this is found necessary.

It is understood that in the event of the above type approval not being completed, then DNV reserves the right to charge fees for costs already incurred.

Place: **Vaasa** Date: **2025-12-04**

for the applicant

A handwritten signature in blue ink, reading "Teemu Kujala", written over a horizontal dotted line.

Teemu Kujala
Compliance Engineer