

# TYPE APPROVAL CERTIFICATE

DNV·GL

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	<b>42 453 - 16 HH</b>
Company	<b>Focquet S.A.</b> <b>Rue des Haipes 1</b> <b>5030 Gembloux, BELGIUM</b>
Product Description	<b>Induction motors</b> <b>Cast iron frame</b>
Type	<b>MF 80.-... up to MF 355.-...</b>
Environmental Category	<b>H</b>
Technical Data / Range of Application	<b>Place of manufacturing: China, Jiangsu Prov., according to the statement of Focquet SA dated 17.02.2016</b> <b>Sizes: A, B, S., M., L.</b> <b>Rated voltage: 220 V up to 690 V</b> <b>Rated power: S1 0,75 kW up to 315 kW</b> <b>Duty Type: S1</b> <b>Synchronous speed: 1000 1/min up to 3600 1/min</b> <b>Rated frequency: 50 Hz, 60 Hz</b> <b>Ambient temperature: 45 °C,</b> <b>Thermal class: 125 (B),155 (F)</b> <b>Degree of protection: IP 55 (IP 56, IP 65 on request)</b> <b>No. of poles: 2, 4, 6 and 8 (sizes 80 to 315)</b> <b>4, 6 and 8 (size 355)</b> <b>Spec. Model: For marine applications / environments</b>
Test Standard	<b>IEC 60034-1:2010-02, IEC 92-301-3rd ed.1980 + Amd 1:1994 + Amd 2:1995</b> <b>GL Test Requirements for Electrical Machinery (VI-7-6), edition 1999</b>
Documents	<b>Drawings: MF315S-04-110kWB3/01.03.15, MF355M-02-350kWB3/01.03.15</b> <b>Technical data: MF 315S-04-110kW B3/1.3.15, MF355 M2-350kW B3/1.3.15</b> <b>Test reports: OMT1-F2-315S-4/19.11.2015, IE3-355M2/20.11.2015</b> <b>Catalogue: FOCQUET - 03.2015 "Low Voltage Motors IE2 / IE3"</b>
Remarks	<b>This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.</b> <b>Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.</b>

Valid until **2021-03-03**  
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Type Approval Symbol



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