DNV·GL

Certificate No:
TAE00000XY

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Motor

with type designation(s)
W22 Line

Issued to
WEGeuro - Industria Electrica, S.A.
Maia, **Portugal**

is found to comply with
DNV GL rules for classification – Ships and offshore units

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Enclosure class	**IP55, IP56, IP65, IP66**
Insulation class	**F & H**
Temp. class (°C)	**155 & 180**
Voltage (V)	**220 - 1000**
Power (kW)	**0,12 - 710**
Frequency (Hz)	**50 - 60**
Speed (RPM)	**500 - 3600**

This Certificate is valid until **2020-12-20**.

Issued at **Høvik** on **2016-02-11**

for **DNV GL**

DNV GL local station: **Lisbon**

Approval Engineer: **Marta Alonso Pontes**

Marit Laumann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

WEG W22 line 3-phase induction motor for non hazardous area

Frame sizes:	63 to 355
Rated Voltage:	220V up to 1000V
Rated Frequency:	50Hz & 60Hz
Number of poles:	2, 4, 6, 8, 10, 12 and combinations
Duty type:	S1, S2…min, S3-..%, S6-..%
Enclosure class:	IP55 to IP66
Ambient air temp.:	45 deg. C
Frame material:	Cast iron FC-200
Ex rating:	NA
Insulation class:	F & H

Application/Limitation

W 22 types are designed for frequency converter control. Manufacturer's recommendations (de-rating of rated power) to be followed in accordance with WEG documentation.

For installation in non-hazardous area.

Type Approval documentation

Tests carried out

Temperature, overload, over-speed, insulation resistance, winding resistance, no load, IP class.

Marking of product

WEG motors – type designation – technical data including rated voltage, RPM, rated power, ambient temperature, rated current, rated frequency, insulation class & IP class.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Assessment to be performed at least every second year.

END OF CERTIFICATE