Certificate No: LR23177600TA
Issue Date: 21/04/2023
Expiry Date: 20/04/2028

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Rotor B.V.**
Address	Mors 1-5, P.O. Box 45, EIBERGEN, 7150 AA, Netherlands
Type	Electric Motors
Description	Type: 6RD frame size 63-355 Flameproof three phase electric motor ATEX (flameproorf motor Ex db IIC or Ex db be IIC)
Trade Name	Rotor
Application	Marine, Offshore and Industrial use.
Specified Standard	IEC-EN60034-1/-5 /-6/-7/-8/-12/-14, IEC 60092-301:1995
Ratings	0,05 to 432kW Degree of protection: IP56, IP65, IP66 acc. EN60034-5:2020 Shaft heights [mm] 63, 71, 80, 90, 100, 112, 132, 160, 180, 200, 225, 250, 280, 315, 355 Frame sizes : acc NEN-EN 50347:2001 Insulation class F, H acc IEC-EN60034-1 Chapter 7.10 table 6 Voltage: Any voltage between 380 and 1000V (standard on stock 3x400V 50Hz/ 3x460V 60Hz). Motors will be provided with special precautions such as a special winding insulation and/ or an isolated bearing construction Frequency: 50Hz or 60Hz

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Henri Reekers

Snr Electrical Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Speed: 500 up to and incl 3600 rpm Number of poles 8,6,4,2
Number of phases: 3 phase motors
Current: depends on output and voltage
Power factor: 0,61 till 0,99
Nominal output max 375kW (S1 duty) on 50Hz
Service (Duty) S1; S2(10 or 30min); S3,S4; S6; S9
Ambient temperature: 45°C; max 60°C (with derated outputs on name plate)
Temp rise Limits: Tamb 45°C = 95K
Cooling: IC411 (standard); IC416 (Independent cooling); IC410 (radiation) acc IEC-EN60034-6
Construction : IM acc.IEC-EN60034-7:2020
Resume of used standards : IEC 60034-8:2007+A1:2014, NEN-EN-IEC 60034-12:2017, NEN-EN-IEC 60034-14:2018, NEN 10092-301:1986/A1:1995

Other Conditions

The motors must be surveyed at the manufacturer's works, where the results of class witnessed type tests of temperature rise taken on a machine identical in rating and in all other essential details maybe accepted in conjunction with abbreviated tests.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document PRJ11100402766 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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