Certificate No: LR25272401TA
Issue Date: 15/06/2025
Expiry Date: 14/06/2030

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 **ZF Padova S.r.l.**

Address Via Penghe 48, Caselle di Selvazzano, 35030, Italy

Type Reduction Gear

Description Marine Reverse Reduction Gearbox

Trade Name ZF 325-1 (Parallel Offset), ZF 325-1 A (Offset Down Angle), ZF 325-IV (v-Drive)

Application Main propulsion transmission gearing for vessels with no ice rating

Specified Standard Rules and Regulations for the Classification of Ships,2025 – PART 5, CHAPTER 5
Rules and Regulations for the Classification of Special Service Craft, 2025 – VOLUME 7, PART 11 CHAPTER 1

Ratings

ZF 325-1

Duty	**Pleasure (Yacht)**	**Light**	**Medium (Commercial)**	**Continuous**
Ratio	@2600rpm	@2600rpm	@2400rpm	@2200rpm
1.000:1	632kW	608kW	426kW	342kW
1.050:1	632kW	608kW	426kW	342kW
1.167:1	675kW	608kW	426kW	342kW
1.225:1	675kW	608kW	426kW	342kW
1.459:1	675kW	608kW	426kW	342kW
1.727:1	675kW	608kW	426kW	342kW
2.033:1	675kW	608kW	426kW	342kW

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Flans Kemp
Global Machinery Team Manager 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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2.250:1	632kW	608kW	426kW	342kW
2.500:1	607kW	548kW	401kW	319kW
2.957:1	531kW	489kW	320kW	280kW
2.957:1	531kW	489kW	353kW**	295kW**

**- Power rating is applicable vessels not required to comply with the HSC code as per the SSC Rules only.

ZF 325-1 A

Duty	**Pleasure (Yacht)**	**Light**	**Medium (Commercial)**	**Continuous**
Ratio	@2600rpm	@2600rpm	@2400rpm	@2200rpm
1.216:1	675kW	608kW	426kW	342kW
1.485:1	675kW	608kW	426kW	342kW
1.733:1	675kW	608kW	426kW	342kW
2.037:1	675kW	608kW	426kW	342kW
2.240:1	675kW	608kW	426kW	230kW
2.240:1	675kW	608kW	426kW	342kW**
2.417:1	607kW	548kW	285kW	215kW
2.417:1	607kW	548kW	401kW**	319kW**

**- Power rating is applicable vessels not required to comply with the HSC code as per the SSC Rules only.

ZF 325-IV

Duty	**Pleasure (Yacht)**	**Light**	**Medium (Commercial)**
Ratio	@2600rpm	@2600rpm	@2500rpm
1.216:1	675kW	608kW	444kW
1.485:1	675kW	608kW	444kW
1.733:1	675kW	608kW	444kW
1.793:1	675kW	608kW	444kW
2.037:1	675kW	608kW	444kW
2.417:1	607kW	548kW	418kW

Other Conditions

1. Type Approval does not eliminate the need (as required by LR Rules) the

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requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR.
2. If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

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 LR2003650TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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