



TYPE APPROVAL CERTIFICATE
No. ELE255825XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Colour Display IPS
<i>Type</i>	HP Series 5 Pro 524pf FHD 23.8-inch Monitor
<i>Applicant</i>	MARINER SYSTEMS UK LTD OAKLANDS PARK WOKINGHAM BERKSHIRE RG41 2FD UNITED KINGDOM
<i>Manufacturer</i>	HP Inc.
<i>Place of manufacture</i>	1501 page mill road 94303-1112 Palo Alto (California) U.S.A.
<i>Reference standards</i>	Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.

Issued in **Hamburg** on **November 21, 2025**. *This Certificate is valid until* **November 20, 2030**

Cinar Kutlar

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

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HP Series 5 Pro 524pf FHD 23.8-inch Monitor

Product description:

The **HP Series 5 Pro 524pf FHD 23.8-inch Monitor** series are monitors to be used with mariner kits for desk mounting, wall mounting and console mounting installations.

Technical Specifications:

Display Size:	60.5 cm (23.8")
Native Resolution:	FHD (1920 x 1080)
Aspect Ratio:	16:9
Viewing Angle (typical):	Up to 178° horizontal/178° vertical
Display Contrast Ratio (Static):	1500:1
Display Contrast Ratio (Dynamic):	10M:1
Brightness (typical):	350 nits
Power Supply:	100-240V AC 50/60Hz
Power Consumption:	58 W
Operating Temperature:	5 - 35°C
Connections:	1x DisplayPort™ 1.2, 1x HDMI 1.4, 4x USB-A, 1x USB-B
Mariner Kit:	MS1830 - Desk Mount Configuration MS1835 - Wall Mount Configuration MS1840 - Console Mount Configuration

Documents:

- Declaration of Conformity No. HSD-0178-Q-R1
- Technical Specification HP Series 5 Pro 23.8" FHD Monitor -524f No. DA17353 dated November 22, 2024
- Mariner Systems No. MS1830_A dated 10 March 2025
- Mariner Systems No. MS1835_A dated 10 March 2025
- Mariner Systems No. MS1840_A dated 10 March 2025
- Marine Type Approval Test Requirements-issue18 dated March 2025

Test reports:

- Test Report No. TL25012 issue 2 dated 21 July 2025

Remarks:

- The products fulfill **EC-Code: 3a1**.
- The equipment fulfils the EMC requirements for installation on the Bridge and Deck Zone.

Hamburg 21/11/2025