



Confirmation of Product Type Approval

Company Name: MARINER SYSTEMS UK LTD

Address: OAKLANDS PARK, WOKINGHAM, United Kingdom, RG41 2FD

Product: Mounting Devices for PCs and Monitors

Model(s): MS1610 (desk), MS1615 (wall) or MS1620 (console mount) MS1630 (desk), MS1635 (wall) or MS1640 (console mount) MS1650 (desk), MS1655 (wall) or MS1660 (console mount)

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	21-2122046-PDA	08-JUN-2021	07-JUN-2026
Manufacturing Assessment (MA)	20-4451837	13-OCT-2020	04-NOV-2025
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Mounting devices intended to be installed along with the HP E23/E24i/E27 G4 Monitors for use on ABS Classed Vessels and Offshore Installations in accordance with the listed ABS Rules and International Standards.

Description

HP E23 G4 FHD 23-inch Monitor installed with MS1610 (desk), MS1615 (wall) or MS1620 (console mount)

HP E24i G4 WUXGA 24-inch Monitor installed with MS1630 (desk), MS1635 (wall) or MS1640 (console mount)

HP E27 G4 FHD 27-inch Monitor installed with MS1650 (desk), MS1655 (wall) or MS1660 (console mount)

Ratings

Voltage: 100-240VAC

Frequency: 50-60Hz

Op.Temp: +5 to +35C

Service Restrictions

Unit Certification is not required for this product.

If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or

standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No. HP E23 DoC, HP E23 G4 Declaration of Conformity, Revision: -, Pages: 27

Drawing No. HP E23 QuickSpec, HP E23 G4 FHD QuickSpec v.3, Revision: -, Pages: 08

Drawing No. HP E24i DoC, HP E24i G4 Declaration of Conformity, Revision: -, Pages: 26

Drawing No. HP E24i QuickSpec, HP E24i G4 WUXGA QuickSpec v.4, Revision: -, Pages: 08

Drawing No. HP E27 DoC, HP E27 G4 Declaration of Conformity, Revision: -, Pages: 26

Drawing No. HP E27 QuickSpec, HP E27 G4 WUXGA QuickSpec v.3, Revision: -, Pages: 08

Drawing No. Test Requirements, Marine Type Approval Test Requirements Issue 15, Revision: -, Pages: 60

Drawing No. UKAS Schedule, UKAS Schedule of Accreditation Issue 23, Revision: -, Pages: 09

Drawing No. ISO 9001, ISO 9001 Certificate, Revision: -, Pages: 01

Drawing No. MS1610_A, MS1610 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1615_A, MS1615 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1620_A, MS1620 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1620_DD, MS1620 Drilling Detail, Revision: -, Pages: 01

Drawing No. MS1630_A, MS1630 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1635_A, MS1635 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1640_A, MS1640 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1640_DD, MS1640 Drilling Detail, Revision: -, Pages: 01

Drawing No. MS1650_A, MS1650 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1655_A, MS1655 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1660_A, MS1660 Assembly Drawing, Revision: -, Pages: 01

Drawing No. MS1660_DD, MS1660 Drilling Detail, Revision: -, Pages: 01

Drawing No. TL21010, HP E23 G4 FHD Test Report, MS Testing, Durham, UK, Date : 13.04.2021, Revision: 01, Pages: 162

Drawing No. TL21014, HP E24i G4 WUXGA Test Report, MS Testing, Durham, UK, Date : 13.04.2021, Revision: 01, Pages: 159

Drawing No. TL21023, HP E27 G4 FHD Test Report, MS Testing, Durham, UK, Date : 13.04.2021, Revision: 01, Pages: 161

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 07/Jun/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

- Marine Vessels Rules (2021): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/1.7, 4-9-9/7, 4-9-9/13, 4-9-9/Table1;
- Mobile Offshore Units (2021): 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-1-1/7.9, 4-3-1/11, 6-1-1/9, 6-1-1/13;
- Facilities on Offshore Installations Rules (2021): 1-1-4/9.7, 1-1-A2, 1-1-A3;
- Steel Vessels for Service on Rivers and Intracoastal Waterways Rules (2021): 1-1-4/7.7, 1-1-A3, 1-1-A4;
- High-Speed Crafts Rules (2021): 1-1-4/11.9, 1-1-A2, 1-1-A3, 4-6-1/11, 4-7-9/7, 4-7-9/15, 4-7-9/Table 9;
- Steel Barge Rules (2021): 1-1-4/7.9, 1-1-A3, 1-1-A4;

International Standards

IACS UR E10 Rev.7 2018

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 10-Jun-2021 4:36

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.