



## 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):** MS1530/ MS1535/ MS1540 MS1550 / MS1555 / MS1560 MS1570 / MS1575 / MS1580

**Endorsements:**

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	18-LD1738185-PDA	17-MAY-2018	16-MAY-2023
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 listed HP Elite Display monitors for use on ABS classed vessels and offshore installations in accordance with the listed ABS Rules and International Standards.

### **Description**

Mounting devices for use with the following HP Elite Display Monitor models:

HP EliteDisplay E233 23 inch 16:9 monitor

HP EliteDisplay E243i 24 inch (16:10) monitor

HP EliteDisplay E273 27 inch (16:9) monitor

### **Ratings**

E233 - Power:100-240Vac at 50/60Hz, 19-36W;

E243i - Power:100-240Vac at 50/60Hz, 35-45W;

E273 - Power:100-240Vac at 50/60Hz, 25-42W;

### **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. CE Declaration HP EliteDisplay E243i HSTND-9601-L-R1 01 Jun 2017, Declaration of Conformity HP EliteDisplay, Revision: -, Pages: -

Drawing No. HP E233 QuickSpec, HP EliteDisplay E233 23in Monitor - Technical Specifications, Revision: 4, Pages: 1

Drawing No. HP E243i QuickSpec v, HP EliteDisplay E243i 24-inch Monitor, Revision: -, Pages: -

Drawing No. HP E273 QuickSpec, HP EliteDisplay E273 27in Monitor - Technical Specifications, Revision: 2, Pages: 1

Drawing No. HSTND-9571-A-R1 Original/en, CE Declaration HP EliteDisplay E233 HSTND-9571-A 10 May 2017, Revision: -, Pages: 1

Drawing No. HSTND-9611-Q-R1 Original/en, CE Declaration HP EliteDisplay E273 HSTND-9611-Q 20 Jun 2017, Revision: -, Pages: 1

Drawing No. MS1530\_A, HP EliteDisplay E233 23in Monitor - MS1530 Assembly, Revision: 1, Pages: 1

Drawing No. MS1535\_A, HP EliteDisplay E233 23in Monitor - MS1535 Assembly, Revision: 1, Pages: 1

Drawing No. MS1540\_A, HP EliteDisplay E233 23in Monitor - MS1540 Assembly, Revision: 1, Pages: 1

Drawing No. MS1540\_DD, HP EliteDisplay E233 23in Monitor - MS1540 Drilling Detail, Revision: 1, Pages: 1

Drawing No. MS1550\_A\_1, MS1550 Assembly, Revision: 1, Pages: -

Drawing No. MS1555\_A\_1, MS1555 Assembly, Revision: 1, Pages: -

Drawing No. MS1560\_A\_1, MS1560 Assembly, Revision: 1, Pages: -

Drawing No. MS1560\_DD\_1, MS1560 Drilling Detail, Revision: 1, Pages: -

Drawing No. MS1570\_A, HP EliteDisplay E273 27in Monitor - MS1570 Assembly, Revision: 1, Pages: 1

Drawing No. MS1575\_A, HP EliteDisplay E273 27in Monitor - MS1575 Assembly, Revision: 1, Pages: 1

Drawing No. MS1580\_A, HP EliteDisplay E273 27in Monitor - MS1580 Assembly, Revision: 1, Pages: 1

Drawing No. MS1580\_DD, HP EliteDisplay E273 27in Monitor - MS1580 Drilling Detail, Revision: 1, Pages: 1

Drawing No. Marine TA - Test Requirements, Marine Type Approval Test Requirements, Revision: -, Pages: 1

Drawing No. Marine TA Test Requirements, Marine Type Approval Test Requirements, Revision: 13, Pages: 1

Drawing No. Marine TA Test Requirements Issue 13, Marine TA Test Requirements Issue 13, Revision: 13, Pages: -

Drawing No. Mariner ISO9001:2008Sep18, BV BS EN ISO 9001:2008 Certificate, Revision: 1, Pages: 1

Drawing No. MarinerISO9001-2008Sep18, BS EN ISO 9001:2008 BV Certificate UK.004654, Revision: -, Pages: -

Drawing No. MarinerISO9001:2008Sep18, BV BS EN ISO 9001:2008 Certificate, Revision: -, Pages: 1

Drawing No. TL17145 HP E243i 24inch monitor, Test Report, 5-Feb-2018, (MS Testing), Revision: 1, Pages: 1

Drawing No. TL17146 HP E233 23in Monitor, Test Report, 5-Feb-2018, (MS Testing), Revision: 1, Pages: 1

Drawing No. TL17150 HP E273 27in Monitor, Test Report, 5-Feb-2018, (MS Testing), Revision: 1, Pages: 1

Drawing No. UKAS - Schedule of Accreditation, Schedule of Accreditation, Revision: 017, Pages: 1

Drawing No. UKAS Schedule of Accreditation, Schedule of Accreditation, Revision: 017, Pages: 1

Drawing No. UKAS Schedule of Accreditation Iss 17 13 Jan 2017, UKAS Schedule of Accreditation Iss 17 13 Jan 2017, Revision: -, Pages: -

### **Term of Validity**

This Product Design Assessment (PDA) Certificate 18-LD1738185-PDA, dated 17/May/2018 remains valid until 16/May/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

### **ABS Rules**

- Steel Vessel Rules (2018): 1-1-4/7.7, 1-1-A3&A4, 4-8-3/1.7, 4-9-8/7, 4-9-8/13, 4-9-8/Table1;
- Steel Vessels Under 90 Meters (295 Feet) in Length (2018): 1-1-4/7.7, 1-1-A3&A4;
- Facilities on Offshore Installations (2018): 1-1-4/9.7, 1-1-A2&A3;
- Offshore Support Vessels (2018): 1-1-4/7.7, 1-1-A3&A4, 4-8-3/1.7, 4-9-8/7, 4-9-8/13, 4-9-8/Table1 and Table 2;
- Mobile Offshore Drilling Units (2018): 1-1-4/9.7, 1-1-A2&A3, 4-1-1/7.9, 4-3-1/11, 6-1-1/9, 6-1-1/13;
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2018): 1-1-4/7.7, 1-1-A3&A4;
- High Speed Crafts (2018): 1-1-4/11.9, 1-1-A2&A3;
- Steel Barge Rules (2018): 1-1-4/7.9, 1-1-A3&A4;

### **International Standards**

IACS UR E10 Rev.6:2014; IEC 60945:2002+Corr.2008; IEC 6092-504:2016

### **EU-MED Standards**

NA

### **National Standards**

NA

### **Government Standards**

NA

### **Other Standards**

NA



A handwritten signature in blue ink, appearing to read "Joseph W. ...".

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 08-Jan-2021 3:14

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.