



# Polski Rejestr Statków

## TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product type

### WORKSTATION

**HP Z440**

Models: Refer to Mariner Systems website [www.marinersystems.com](http://www.marinersystems.com)

manufactured by

**Mariner Systems (UK) Ltd.  
Oaklands Park, Wokingham  
Berkshire RG41 2FD  
United Kingdom**

is approved as complying with the requirements of the  
PRS Rules and is suitable for use on board of ships classified by PRS or in appliances with PRS certificates.

Certificate No. TE/2067/883236/15

Expiry date 2020-07-14

Issued at

Gdańsk, 2015-07-15



C:030:02

Signature

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Continued overleaf

## Technical data

<b>Processor:</b>	All processors up to and including Intel Xeon E5-2600 & E5-1600 v3 series (max. 3.7 GHz clock speed, 20 MB cache, 8 Cores) Processor Air Cooling Kit;	
<b>Power Supply:</b>	700 W 90% efficient; 525 W 85% efficient;	
<b>Memory:</b>	Up to 128 GB 2133 MHz DDR4 ECC Registered RAM (8 DIMM slots);	
<b>Hard Disk:</b>	3 TB SATA 6.0 Gb/s (7200 rpm); 2 TB SATA 6.0 Gb/s (7200 rpm); 1 TB SATA 6.0 Gb/s (7200 rpm); 500 GB SATA 6.0 Gb/s (7200 rp.); 1 TB SATA 6.0 Gb/s SSD; 512 GB SATA 6.0 Gb/s SSD; 256 GB SATA 6.0 Gb/s SSD; 128 GB SATA 6.0 Gb/s SSD;	Samsung Ent. 480 GB SATA 6.0 Gb/s SSD; Samsung Ent. 240 GB SATA 6.0 Gb/s SSD; 1,2 TB SAS (10000 rpm) 2.5-inch; 600 GB SAS (10000 rpm) 2.5-inch; 300 GB SAS (10000 rpm) 2.5-inch; 600 GB SAS (15000 rpm); 300 GB SAS (15000 rpm); Z Turbo Drive 512 GB PCIe SSD; Z Turbo Drive 512 GB PCIe SSD;
<b>Optical Drive:</b>	9.5 mm Slim BDXL Blu-ray Writer; 9.5 mm Slim SuperMulti DVD Writer; 9.5 mm Slim DVD-ROM;	
<b>Graphics Card:</b>	NVIDIA Quadro K2200 4 GB; NVIDIA Quadro K620 2 GB; NVIDIA Quadro K420 1 GB;	NVIDIA NVS 510 2 GB; NVIDIA NVS 315 1 GB; NVIDIA NVS 310 512 MB; AMD FirePro W2100 2 GB.

For a complete approved component list, refer to the relevant Mariner Systems Components Options list.

**Mariner Kit:** The workstation must be used in conjunction with the Mariner Kit MS3050 (Desktop configuration) or MS3060 (Tower configuration).

## Basis of approval

1. The technical documentation approved by PRS on 2015-07-15.
2. The positive results of environmental tests carried out at the Environmental Test Laboratory of Mariner Systems (UK) Ltd. - Test Reports Nos.: TL15039, TL15041 of 2015-05-22 and TL15041 of 2015-05-26.
3. The Quality Management System Certificate No. UK004654 issued by Bureau Veritas Certification on 2013-01-09.

## Additional conditions and remarks

1. The workstation must be installed in air conditioned space.
2. All rights of Mariner Kit Producer is reserved and unauthorised duplication is prohibited.
3. Installation of the hardware without an original Mariner Kit will invalidate all rights to insurance and compensation.

## Notes

- 1 The approval is valid only when the product is used in accordance with the manufacturer's conditions.
- 2 Changes of product design and materials which influence product quality are to be agreed with PRS.
- 3 Type Approval Certificate will be cancelled in the case of dissatisfactory service results, modifications made in the product structure or materials without PRS' consent, not advising PRS of the manufacturer's name change.

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