



Polski Rejestr Statków

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product type

WORKSTATION

HP Z420

Models: Refer to Mariner Systems website 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/1970/883236/13

Expiry date 2018-05-09

Issued at

Gdańsk, 2013-05-10



C/030:02

Janusz
Signature

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Continued overleaf

Technical data

Processor:	All processors up to and including Intel Xeon E5-2600 & E5-1600 series 3.6 GHz clock speed, 20 MB cache, 8 Cores;	
Memory:	Up to 64 GB 1600 DDR3 Unbuffered SDRAM;	
Hard Disk:	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 rpm); 250 GB SATA 6.0 Gb/s (7200 rpm); 256 GB SATA 6.0 Gb/s Solid State Drive (SSD); 128 GB SATA 6.0 Gb/s Solid State Drive (SSD);	1 TB SATA SFF (10000 rpm); 500 GB SATA SFF (10000 rpm); 250 GB SATA SFF (10000 rpm); 600 GB SAS (10000 rpm); 300 GB SAS (10000 rpm);
Optical Drive:	Blu-ray Writer; 16x DVD+/-RW SuperMulti SATA; 16x DVD-ROM SATA;	
Graphics Card:	NVIDIA Quadro 4000 2 GB; NVIDIA Quadro 600 1 GB; NVIDIA Quadro 410 512 MB;	NVIDIA NVS 510 2 GB; NVIDIA NVS 310 512 MB; NVIDIA NVS 300 512 MB.

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 MS3030 (Desktop configuration) or MS3040 (Minitower configuration).

Basis of approval

1. The technical documentation approved by PRS on 2013-04-03.
2. The positive results of environmental tests carried out at the Environmental Test Laboratory of Mariner Systems (UK) Ltd. - Test Reports Nos.: TL13011-EMC, TL13012-EMC of 2013-03-07 and TL13011-ENV Issue 02, TL13012-ENV Issue 02 of 2013-03-11.
3. The Quality Management System Certificate No. UK004654 issued by Bureau Veritas Certification on 2013-01-09.
4. PRS Approval Certificate No. TE/197/883995/10 for Mariner Systems (UK) Ltd Type Approval Laboratory.
5. PRS Survey Report No TE/GP/07/09 issued on 2009-12-23.

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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