

QUASAR 24

TECHNICAL SPECIFICATION



DeepTech

Part of the MCS Group
deeptechoilservices.com

SYSTEM SUMMARY

The Quasar 24 is an excellent all-round performer capable of survey, construction and drill support operations in the harshest environments up to 3000 m. These ROV systems offer a comprehensive combination of 1X7 Function Manipulator, 1X5 Function Manipulator, thrust, payload, through frame lift and sensor interface. For enhanced capability The Quasar 24 can be fitted with purpose-built tooling skids and a range of acoustic sensors to perform precision surveys and salvage operations.



STABLE

The vehicle is stable even in strong currents, and so excels as a survey and oceanographic platform.



EFFICIENT

Access to the vehicles quick release components is fast and easy decreasing maintenance time and increasing availability.



INTUITIVE

Its DVECSII control system can be mastered quickly and intuitively helping reduce operational risk.

TECHNICAL OVERVIEW

Depth Rating	3000msw
Dimensions	Length 3000mm (118.1in) Width 1700mm (66.9in) Height 1700mm (66.9in)
Weight in air (base system)	3500kg (7716 lbs)
Payload (base system)	250kg (551 lbs)
Through frame lift	3000kg (6614 lbs)
Shaft Power	150hp

INSTRUMENTS/TOOLING

Hydraulic channels	Standard Curvarech 10-function Valve Pack (HCU2) Zetechnics Jupiter 2 Dual Tool Control System Valve Pack (HCU2)
Video capability	Standard 6 x channels composite Optional 2 x HDTV channels
Gyro	Standard Gyro compass
Optional	Ns FOG
Lighting	6 LED
Manipulator	1 x 7F pos feedback (T4)
Grabber	1 x 5F rate, heavy duty (Rigmaster)

PERFORMANCE

Bollard pull	750kgf (1764 lbs)
Forward/aft Vertical (up)	550kgf (1213 lbs)
Surface performance	Forward 3.5kn Lateral 2.8kn Vertical 2.2kn

CONTROL CABIN

Control cabin	20ft, A60 ISO (optional zone II 3G)
Control system	SMD DVECSII ROV control hardware Dual touch screens TFT video wall
Incoming power supplies	380V-480Vac or 690Vac

TYPICAL QUASAR SYSTEM

- 8te A-Frame
- 8te 3500m winch integrated 75kW HPU
- Compact TMS
- Options available to suit customer requirements Vehicle turns

VIDEO

- Two video camera channels (wired 24Vdc)
- HDTV kit requires suitable HD-SDI monitors and recording equipment (such as Blue Ray) to be added

UPGRADE OPTIONS

Survey kit 1	2 x cameras (available) 4 x Rs232 channels (available) Ethernet (10100/T) (available)
Survey kit 2	Interface for 2 x seabat 7125 units (optional) or high band width instruments (optional)
Survey kit 3	Interface for 2 x seabat 7125/8125/ units or high band width Instruments (optional)

All of our ROVs can be customized and integrated with the MCS product-line including the 3D Photo Realistic Cloud (3D PRC) and the Platform and Pipeline Commander systems for fast and accurate data which is easy to access and share.



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