

## About

Film-Ocean is an independent subsea contractor providing ROV inspection and intervention services. We specialise in providing innovative, cost effective subsea solutions to the global oil and gas industry and have an extensive track record in performing subsea integrity inspections on floating and fixed structures from the asset or support vessel with a fleet of high specification ROV's.

## Work Class Quasar ROV System



## Product Overview

Quasar is the medium size vehicle in Q-series work class ROV range. Utilising the latest multi-platform Curvetech™ components, the vehicle offers class-leading in current performance, tooling and instrument space and access for maintenance. Quasar is an excellent all round performer capable of survey, construction and drill support operations.

The Quasar has the following features:

- Medium sized high power work class ROV
- Excellent performance and highly versatile
- Configurable for survey, drill support and construction tasks
- The essential all-rounder and backbone of our workclass ROV fleet

# Quasar ROV Specification

**Power:** 110kW

**Vehicle Dimensions:** Length x Width x Height: 3.2m x 1.8m x 1.8m

**Weight:** 3600kg

## GENERAL

- Length 3200mm
- Width 1800mm
- Height 1800mm
- Depth Rating 3000msw
- Weight In Air (base system) 3500kg
- Payload (base system) 250kg
- Through Frame Lift 3000kg

## PERFORMANCE

### ***Bollard Pull:***

- Forward/Aft 750kgf
- Vertical/Up 550kgf

### ***Surface Performance:***

- Forward 3.5kn
- Lateral 2.8kn
- Vertical 2.2kn

## INSTRUMENTS/TOOLING

- Manipulator 1x7F pos feedback (T4 compatible)
- Grabber 1x5F rate, heavy duty
- Lighting 2xHID + 6 or 12 x halogen or LED

### ***Hydraulic channels***

- Standard 12ch iHCU (15LPM), 1ch (high flow)
- Optional Torque tool controller, 2ch iHCU (95LPM), 12ch iHCU (15LPM)

### ***Video capability***

- Standard 6 x channels composite
- Optional 2 x composite + 2 x HDTV channels

### ***Gyro***

- Standard Gyro Compass
- Optional NS FOG

### ***Survey***

- SMD survey upgrade 1-3 fitted including gigabyte ethernet

## ROV CONTROL CABIN

- 20ft, A60 ISO (optional zone II 3G)
- BSEN12079 Standard
- Power 380V-480Vac or 690Vac
- Weight 11500kg
- SMD DVECSII ROV control hardware
- Dual touch screens
- TFT video wall
- Lifting Equipment one, set of slings c/w shackles DNV 2.7-1 (with carbon steel ferrules)

### ***Dimensions***

- Length 6045mm
- Width 2438mm
- Height 2688mm

## WORKSHOP CABIN

- 20ft, ISO Container (inc. deck mountings)
- BSEN12079 Standard
- Weight 10500kg
- Lifting Equipment one, set of slings c/w shackles DNV 2.7-1 (with carbon steel ferrules)
- Split clean/dirty areas inc. work bench
- Hoist included at dirty end

### ***Dimensions***

- Length 6058mm
- Width 2438mm
- Height 2590mm



# Quasar ROV Specification

## 12Te TELESCOPIC 'A' FRAME

- CEEEx II 3G E Ex IIB T3 Tamb -10 to +45°C (Zone II)
- Hydraulically powered extendable A-frame with umbilical sheave, damped snubber and rotating frame
- Safe Working Load 12000kg
- Design Factor 3g
- Weight 23500kg
- Operating Temperature -10°C to +45°C
- Max Deployed Reach ≥5400mm from main pivot
- Max Inboard Reach - To storage position
- Telescopic Extension 2200mm
- Minimum Distance Between Legs ≥2900mm

### **Operational Dimensions**

- Length 7000mm
- Width 4076mm (Excluding deck mounts)
- Height 10890mm

### **Transport Dimensions**

- Length 7980mm
- Width 4240mm
- Height 3430mm

## COMPACT TOPHAT TMS

- SMD Compact Tophat Tether Management System (TMS)
- Diameter ≤1775mm
- Height ≤2265mm
- Weight in Air ≤1610kg (excluding tether)
- Weight in Seawater ≤1440kg
- Depth Rating 3000msw
- Main Lift Termination Capacity 12000kg at Sea State 6
- Operating Temperature -10°C to +45°C
- Frame Load Certification Toplift point, frame and latch tested to three times maximum weight
- Tether Capacity 370m of 27mm diameter tether
- Line Speed 0 - 60m/min (proportional control)
- Line Pull >300kgf

## 12Te UMBILICAL WINCH

- CEEEx II 3G E Ex IIB T3 Tamb -10 to +45°C (Zone II)
- Hydraulically Driven ROV Lift Winch
- Winch Pull 12000kg (top wrap)
- Design Factor 3g
- Weight 30500kg (including 3300m main lift)
- Operating Temperature -10°C to +45°C
- Storage capacity Up to 3500m 35mm umbilical, Lebus shells included
- Drive/Brake Hagglunds 35L direct drive Viking motor. Integral band brake.
- Line Speed Average 44m/min (with 150kW HPU).
- Controls Control from deck-mounted control stand and remotely from control cabin (only pay-out and pick-up available from cabin)

### **Dimensions**

- Length 3700mm (Excluding deck stools)
- Width 3000mm
- Height 3360mm (Includes fleeting)

