



Depth Rating

100MSW

Length x Height x Width

1000MM x 590MM x 700MM

Launch Weight

150 KG

System Power Requirements

SINGLE PHASE

SEAEYE TIGER

Inspection Class ROV

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CERTIFICATE NO :KorQ-142725



CERTIFICATE NO :KorQ-140021

SPECIFICATION

STANDARD FEATURES

- * 1000m depth rating
- * 32kg Payload
- * Brushless DC Thrusters (62kg of Thrust)
- * High Power to Weight ratio
- * Variable Intensity Lighting (300W)
- * High resolution Colour Camera on 180° tilt unit
- * Auto Heading & Auto Depth functions
- * Compass & Rate Gyro $\pm 0.1^\circ$
- * Depth Sensor $\pm 0.1\%$ of FSD accuracy

VEHICLE DIMENSIONS

- * Length : 1030mm
- * Width : 700mm
- * Height : 590mm
- * Weight : 150kg

PERFORMANCE

- * Forward Thrust : 62 kgf
- * Lateral Thrust : 43 kgf
- * Vertical Thrust : 22 kgf

VEHICLE CONSTRUCTION

- * Frame Type : Maintenance free polypropylene chassis with stainless steel lift frame
- * Buoyancy : Syntactic PVC foam
- * Thrusters : 5x Seaeye SM4 High efficiency, low maintenance
- * Brushless DC Motors Magnetically coupled, each giving thrust of 25kgf @ 2000rpm

STANDARD EQUIPMENT FIT

- * 2 x CCD Colour Camera on Tilt Unit $\pm 90^\circ$
- * 1 x High Resolution Scanning Sonar
- * 2 x Variable Intensity Lights (300W in total)

CONTROL CONTAINER

- * Length : 3048mm
- * Width : 2438.4mm
- * Height : 2590.8mm
- * Weight : 5,000kg
- * Classification : DNV 2.7-1 or safe area rated
- * Standard 1 x DVD & 1 x VCR's, 1 x 14" Monitor
- * Equipment 1 x Sonar Control PC
- * Control System 19" Rack Mounted
- * Joystick Pilot
- * Controls on Hand Controller with Flying lead
- * Pull-Out keyboard
- * System Control Diagnostics
- * Video Overlay
- * Auxiliary Functions (including manipulator)



TETHER MANAGEMENT SYSTEM (TMS)

TMS Type 2 specification :-

- * Construction : Galvanised steel
- * Baling System : Polypropylene construction with hard anodised aluminium central boss.
- * Electronics Pod : Hard anodised aluminium cylinder. Seaeye metal shell connectors
- * Tether capacity : 140m of 17mm tether
- * Seaeye SM4 motor drive with hard rubber universal coupling to bale arm gearbox

TMS TYPE 2 DIMENSION

- * Length : 1200mm
- * Width : 1200mm
- * Height : 1640mm
- * Weight : 460 kg

POWER REQUIREMENTS

- * Input : 3 phase
- * ROV : 8 Kva
- * TMS : 1.5 kVA
- * Tooling : 450 VA
- * LARS : 25 kVA
- * Cabin : 12 kVA

OPTIONAL EQUIPMENT

- * Single Function Manipulator/Rope Cutter
- * C.P. Contact and proximity
- * Marine Growth Thickness probe
- * USBL Positioning Transponder
- * Additional camera (switchable with main camera)
- * Additional options available upon request



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