

**ROV VEHICLE**

**Swift-07 ROV System-150hp**

**Depth Rating** 1,000 meters

**Total Power Rating** 113kw/150hp

### Dimensions & Weight

Length 2,500 mm

Width 1,450 mm

Height 1,800 mm

Weight In-air 2,700 kgs

**Performance**

Forward 300 kgf 3.5knots

Lateral 265 kgf 2.5knots

Vertical 225 kgf 2.0 knots

Turning Rate 40°/s @ rated depth

Standard Power Pack 150hp

MTQ 113kw/150hp shaft output power, 3 phases, 4 poles,

3KV motor, oil filled and compensated.

Vickers piston pump, output 220lpm @ 200bar

**Payload (including manipulators)**

Payload of Standard Vehicle 150 kgs

Optional Additional Payload 50 kgs

Through Frame Lift 2,500 kgs

**Propulsion System**

7 MTQ 350mm diameter 12.5kw/16.5hp hydraulic thrusters

individually servo valve controlled

Lateral 4 x 350 mm Ø thrusters

Vertical 3 x 350 mm Ø thrusters

**Video & Telemetry System (Standard)**

Transmission via fiber optics and copper

Fiber Optic, 3 video + 6 RS 232 / 485 channels

Copper, 3 Video + 8 Data Lines

Real-time Video Channels, 3 on Coax / 3 on Fiber

**Pan & Tilt**

MTQ Pan & Tilt Unit 1

Pan ±180°

Tilt ±180°

Second Pan & Tilt optional

**Cameras**

OE 1323 D SIT Camera 1

OE 1360 Color Camera 1

Still Camera with Flasher (optional)

Digital Still Camera & Flasher (optional)

**Control & Navigation**

Flux Gate Compass and Integrated Rate Gyro System 1

TritechSeaKing DFS Sonar system 1

MTQ Depth Transducer System 1

**Power Packs & Tooling Interfaces (optional fit)**

MTQ Hydraulic Power Pack 125hp

MTQ Tooling Power Pack 50hp

Schilling 7-Function Titan T3 Manipulator

Schilling 5-Function RigMaster Grabber Arm

Ragan Latch Override Tool

Guide Wire Cutter

75mm diameter Wire Rope Cutter

API Standard Hot Stabs

API Torque Tools

supplied on request.

**UMBILICAL**

The standard Aramid umbilical is 41mm in diameter

and has the following cores:

17 x 4mmsq 3kv Rated Power and Earth Cores

4x 75 ohm Coaxial

4 x Screened Twisted Quads

4 Single + 2 Multi Mode Fibers in a common loose tube

Standard length 650 meters, or 1200 meters optional

**DECK CABLE**

30m Deck cable from Control Van to Umbilical Winch

**Swift-07 ROV System-150hp**

### CONTROL CONTAINER (A60, ZONE2 OPTIONAL)

Length 6,000 mm

Width 2,438 mm

Height 2,591 mm

Shipping Weight 7,000 kgs

**WORKSHOP CONTAINER (A60, ZONE2OPTIONAL)**

Length 6,000 mm

Width 2,440 mm

Height 2,774 mm

Shipping Weight 12,000 kgs

Complete inventory of system spares

Mechanical and electrics tools and test equipment

**HANDLING SYSTEM (A60, ZONE 2 OPTIONAL)**

Exd II BT4 Explosion-Proof Level

**Hydraulic Marine Crane**

SQ10ZA2M Model Marine Crane 1

Length 3,000 mm

Width 1,600 mm

Height 2,600 mm

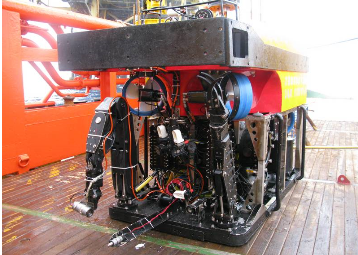
Shipping Weight 5,000 kgs

Arm maximum reach 6,000 mm

Maximum lift capacity 10 t

Lift capacity @ full extension 3,200 kgs

Power Rating 30 kw



**Umbilical Winch**

243JC Model Marine Winch 1

Length 2,500 mm

Width 2,450 mm

Height 2,300 mm

Shipping Weight 6,000 kgs

Line Pull 1,300 kgf

Line Speed 0~30 m/min

Drum Capacity (Ф 35.5mm cable) ≥800 m

**Hydraulic Power Pack for Handling System**

Length 6,000 mm

Width 2,440 mm

Height 2,774 mm

Shipping Weight 12,000 kgs

**SERVICERS**

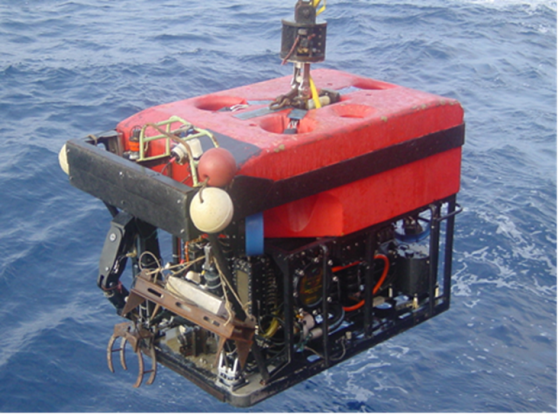
Power (total) 380/440V, 300A, 50/60Hz

Air (LP) optional for Zone II only

**GENERATOR (OPTIONAL)**

Capacity, 380/440V, 3phases, 50/60Hz

350kVA, 500A.



**Depth Rating** 1,000 meters

**Total Power Rating** 94kw/125hp

### Dimensions & Weight

Length 2,500 mm

Width 1,450 mm

Height 1,800 mm

Weight In-air 2,700 kgs

**Performance**

Forward 300 kgf 3.5knots

Lateral 265 kgf 2.5knots

Vertical 225 kgf 2.0 knots

Turning Rate 40°/s @ rated depth

Standard Power Pack 150hp

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Optional Additional Payload 50 kgs

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Real-time Video Channels, 3 on Coax / 3 on Fiber

**Pan & Tilt**

MTQ Pan & Tilt Unit 1

Pan ±180°

Tilt ±180°

Second Pan & Tilt optional

**Cameras**

OE 1323 D SIT Camera 1

OE 1360 Color Camera 1

Still Camera with Flasher (optional)

Digital Still Camera & Flasher (optional)

**Swift-01 ROV System-125hp**

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**Control & Navigation**

Flux Gate Compass and Integrated Rate Gyro System 1

TritechSeaKing DFS Sonar system 1

MTQ Depth Transducer System 1

**Power Packs & Tooling Interfaces (optional fit)**

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MTQ Tooling Power Pack 50hp

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Schilling 5-Function RigMaster Grabber Arm

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**Swift-01 ROV System-125hp**

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Width 2,440 mm

Height 2,774 mm

Shipping Weight 12,000 kgs

Complete inventory of system spares

Mechanical and electrics tools and test equipment

**HANDLING SYSTEM (A60, ZONE 2 OPTIONAL)**

Exd II BT4 Explosion-Proof Level

**Hydraulic Marine Crane**

SQ10ZA2M Model Marine Crane 1

Length 3,000 mm

Width 1,600 mm

Height 2,600 mm

Shipping Weight 5,000 kgs

Arm maximum reach 6,000 mm

Maximum lift capacity 10 t

Lift capacity @ full extension 3,200 kgs

Power Rating 30 kw



**Umbilical Winch**

243JC Model Marine Winch 1

Length 2,750 mm

Width 2,440 mm

Height 2,590 mm

Shipping Weight 6,000 kgs

Line Pull 1,300 kgf

Line Speed 0~30 m/min

Drum Capacity (Ф 35.5mm cable) ≥800 m

**Hydraulic Power Pack for Handling System**

Length 6,000 mm

Width 2,440 mm

Height 2,774 mm

Shipping Weight 12,000 kgs

**SERVICERS**

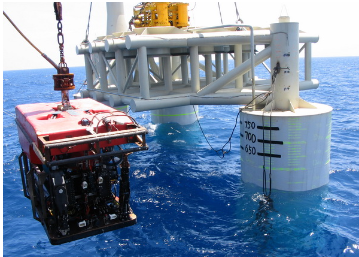
Power (total) 380/440V, 300A, 50/60Hz

Air (LP) optional for Zone II only

**GENERATOR (OPTIONAL)**

Capacity, 380/440V, 3phases, 50/60Hz

350kVA, 500A.



**MAJAVE Observation class ROV**

### Type

300 meters depth rating

**Manufacturer**

MTQSubsea Technology Pte Ltd

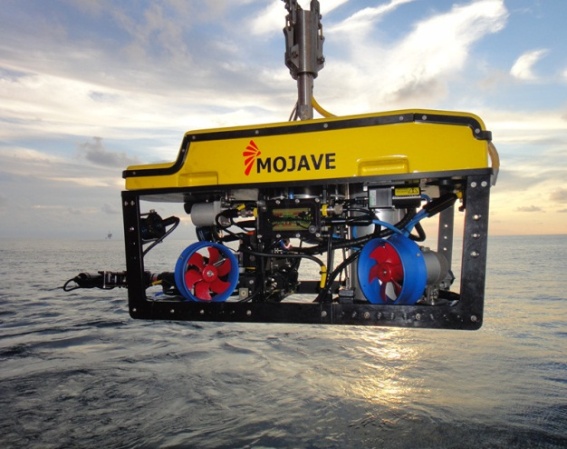
**Depth Rating**

Standard Depth rating 300 meters

**Propulsion system**

5 SPE-75 brushless direct current propellers

Propulsion mode Vernier Thruster



**Dimensions & Weight**

Length 1000 mm

Width 600 mm

Height 500 mm

Weight In-air(self-weight) 85 kg

Length of umbilical 350 meters

**Performance**

Forward 63kgf

Lateral 63kgf

Vertical 26kgf

**Power requirement**

3.6 KW, 90V-230Valternating current