

Resolution'

A 58m offshore utility support vessel from Sarawak Slipways



Designed by Conan Wu & Associates and built by Malaysia's Sarawak Slipways for Offshore Marine Services, the steel OSV 'OMS Resolution' was constructed under survey to ABS.

With an overall length of 58.3 metres and a waterline length of 55.6 metres on a beam of 13.8 metres, the vessel has a depth of 5.5 metres and a draught of 4.8 metres.

'OMS Resolution' is powered by twin Cummins KTA50M2 main engines, each rated at 1,193kW at 1,800rpm, with power transferred through twin Reintjes LAF 665L gearboxes driving twin Kamome CPC-53AF controllable pitch propellers. Auxiliary power is supplied by a pair of Cummins QSM11D(M) generator sets, each developing 245kW at 1,500rpm. A single Cummins 4BT3.9G2 engine developing 50kW/62kVA acts as emergency generator while a Kamome TFA-50DHN side thruster, rated at 331kW at 1,200rpm, enhances vessel manoeuvrability.

The vessel has a maximum speed of 11.4 knots and a cruising speed of 10.5 knots.

'OMS Resolution' is fitted with a hydraulic fuel reel with a drum capacity of 250 metres of ten centimetre cable at three layers, with a rated pull of five tonnes / 25 metres per minute and ten-tonne static brake holding.

The vessel is also fitted with a hydraulic streamer reel with 8,500m of 64mm cable with a rated pull of seven tonnes/25 metres per minute and a ten-tonne brake holding power.

A CTD winch by KC Denmark Research Equipment is installed on the vessel's starboard side and the vessel has a CGG Veritas blister installed.

'OMS Resolution' is equipped with deck equipment from Plimsoll and navigation and communication instruments from Furuno and Anschutz and has a complement of 40.

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'OMS Resolution'

SPECIFICATIONS

Type of vessel:	OSV / utility vessel
In survey to:	ABS
Home port:	Panama
Owner/operator:	Offshore Marine Services, Singapore
Designer:	Conan Wu & Associates, Singapore
Builder:	Sarawak Slipways, Malaysia
Construction material:	Steel
Length overall:	58.30 metres
Length waterline:	55.60 metres
Length bp:	52.00 metres
Beam:	13.80 metres
Draught:	4.80 metres
Depth:	5.50 metres
Tonnages:	1,302GRT, 390NRT
Main engines:	2 x Cummins KTA50M2, each 1,193kW at 1,800rpm
Gearboxes:	2 x Reintjes LAF 665L at 1,800rpm
Propulsion:	2 x Kamome CPC-53AF CPP 350rpm
Auxiliary engines:	2 x Cummins QSM11D(M), each 245kW at 1,500rpm
Generator:	1 x Cummins 4BT3.9G2, 50Kw/62kVA emergency generator
Side thrusters:	Kamome TFA-50DHN / 331kW at 1,200rpm
Steering system:	Wagner / LA2 4.0-35-CB1
Maximum speed:	11.4 knots
Cruising speed:	10.5 knots
Radars:	1 x Furuno FR-1505MKIII 6kW, 96nm X-band, 1 x Furuno 1932MKII 48nm
Depth sounder:	1 x Furuno FE-700
Radios:	1 x Furuno RC-1800T 250W GMDSS radio console, 2 x Icom M304 VHF transceiver, 1 x FS-2570 250W MF/HF radio telephone
Autopilot:	1 x Anschutz digital autopilot Pilotstar D
Compasses:	1 X Reflecta Fibreline binnacle, 1 x Anschutz Standard 22 Gyro Compass
GPS:	1 x Furuno GP-150 LCD
AIS:	1 x Furuno FA-150 IMO
Winches:	1 x Plimsoll PC-HUW-10UR-0S
Capstan/windlass:	1 x Plimsoll PC-HVC-05/380, 1 x Plimsoll PC-HAW/GG-34
Cranes:	1 x Plimsoll PC-HSC160-08010
Other equipment installed:	Anchor and chain; Plimsoll P4304/P1X75-UH-C PC/P1x75UH-C power pack, Plimsoll P4304-PTH-35 towing hook
Alarm systems:	Fitech fire alarm and detection system
Paints/coatings:	International Paint
Deck cargo capacity:	5 tonnes/m ²
Fuel capacity:	1,300m ³
Freshwater capacity:	300m ³
Crew:	40 persons