

PW Sigma, PW Omega

3,600 Bhp Z-Peller Tug



CLASSIFICATION AND REGISTRATION

Name	PW Sigma / PW Omega
Port of Registry	Singapore
Built in	China
Built	2007 / 2006
Classification	American Bureau of Shipping
Class Notation	*A1, Towing Vessel, *AMS
Vessel	ASD Towing Tug

SPEED/CONSUMPTION

Max. Speed (free running)	Approx 12 Knots
Consumption (max speed)	Approx 8.0 MT day

ACCOMMODATION

Berth total	10 persons (air conditioned)
-------------	------------------------------

MEASUREMENTS

L.O.A	28.0 m
Breadth Moulded	9.80 m
Depth Moulded	4.90 m
Draft (designed)	4.00 m

DECK EQUIPMENT

Hyd Fwd Towing winch (PW Sigma) (PW Omega)	Thor TH-10HAMW-M04, 3T @ 13m/min @ first layer, Brake holding 80T Thor TH-45 HTW-M04, 5T @ 10m/min @ first layer, Brake holding 100T
Hyd Aft Towing Winch	Thor TH – 45 HTW – M04 Pull of 13T-21 m/min, single drum Braking holding 120 tons
Wire Drum capacity Towing Hook	600m x 42mm dia wire 1 x Mampaey offshore industries 50T with remote pneumatic release
Windlass / Mooring (PW Sigma) (PW Omega)	2 x Anchor chain gypsy 10m/min electro Hydraulic Motor Drive 2 x anchor 500 kg, 20.5mm dia chains 2 x anchor 480 kg, 19mm dia chains 2 x Warping drum
Deck Crane	1 x Palfinger Crane, SWL680 kg @ 12m
Life rafts	2 x 15 men

TONNAGE

GRT	318
NRT	95
Displacement	Approx 581 T
Lightship	Approx 415 T

CAPACITIES (ON MAX DRAFTS)

Fuel Oil	abt 175 m ³
Fresh Water	abt 30 m ³

MAIN MACHINERIES

Main Engines	2 x Yanmar 8N-21A-EN
Total BHP	2 x 1800 bhp @ 900 rpm
Main Propulsion	2 Sets of Schottel SRP1010R/L in 360 degrees steerable Kort nozzles
Bollard Pull	45 T / 42 T
Generators	2 x Volvo Penta D7A-T
Alternators	Leroy Somer 99 kw-415V 3phase 50hz

NAVIGATION & COMMUNICATION EQUIPMENT (A1 + A2 +A3)

HF/MF	1 x Icom M710 / SSB-Furuno FS-2570C
VHF	1 x Furuno FM8800S
Radar	1 x Furuno FR-1510 Mark-3
GPS	1 x Furuno 90 + 1 x Furuno GP 150
Navtex	1 x ICS Nav5 Plus
Echo Sounder	1 x Furuno FEC 700
Magnetic Compass	1 x Saura Keiki MR 150
Autopilot	1 x Simrad AP9MK3
EPIRB	1 x McMurdo 406Hz
AIS	1 x McMurdo M-2 MKD
Inmarsat C	2 x Furuno Felcom 15

FIRE FIGHTING EQUIPMENT

Half Fi-Fi	Kumera Cap 600m ³ x 2 monitors
------------	---