

FLEX CLASS KEITH COWAN



KEITH COWAN DIESEL ELECTRIC DP-2 ANCHOR HANDLER (A-FRAME/MUD/ROV)

MAIN PARTICULARS:

LENGTH OVERALL	265 ft	80.8 m
BEAM	52 ft	15.8 m
DEPTH	19 ft	5.8 m
DESIGN DRAFT	14.5 ft	4.4 m
LOADED DRAFT	15.5 ft	4.7 m
TONNAGE (ITC)	GT 2,540	
	NT 790	

CAPACITIES:

DRILL WATER (100%), includes ballast	211,268 USG	799.7 m ³
FUEL OIL (98%)	137,544 USG	521 m ³
LIQUID MUD (95%) SYSTEM #1	4,273 BBLs	680 m ³
LIQUID MUD (95%) SYSTEM #2	2,471 BBLs	393 m ³
METHANOL BRINE (95%)	2,348 BBLs	373 m ³
FRESH WATER (100%)	100,165 USG	379 m ³
DRY BULK (95%)	7,125 ft ³	201.8 m ³
DEADWEIGHT @ 14'6"	2,088 Lt	2,122 Mt
DEADWEIGHT @ 15'6"	2,446 Lt	2,485 Mt

CARGO DECK:

TONNAGE	1,600 Lt	1,626 Mt
STRENGTH	1,100 lb/ft ²	5 Mt/m ²
LENGTH	142 ft	43.2 m
WIDTH	41 ft	12.5 m
CLEAR AREA	5,822 ft ²	546.5 m ²

MACHINERY:

MAIN GENERATOR ENGINES	Caterpillar 4 x 3516C
TOTAL INSTALLED POWER	9,425 kW (12,639 HP)
MAIN GENERATORS	4 x 2,250 kW, 690 V, 60 Hz, 3 Ø
AUX. GENERATORS	1 x 425 kW, 480 V, 60 Hz, 3 Ø
SOLAS EMERGENCY GEN-SET	1 x 175 kW, 480 V, 60 Hz, 3 Ø
REDUCTION GEARS	Reintjes
PROPELLERS	Fixed Pitch Propeller (FPP) in nozzles
RUDDERS	Twin independent Fish Tail Rudders
BOW THRUSTERS	2 x Brunvoll CPP, 800 BHP, 9 MT thrust
STERN THRUSTERS	2 x Brunvoll CPP, 800 BHP, 9 MT thrust

TOWING & ANCHOR HANDLING:

CHAIN CAPACITY	10,594 ft ³	300 m ³
WINCH MODEL	Rolls Royce Brattvaag, Electro-Hydraulic	
TYPE/LINE PULL	Two Drum Reverse Waterfall / 295 Lt, 300 Mt	
WINCH WIRE CAPACITY	76 mm x 2,000 m, (3" x 6,600') each drum	
BRAKE CAPACITY	393 Lt, 400 Mt	
BOLLARD PULL	> 120 Mt continuous	
STORAGE REELS	76 mm x 2,000 m, (3" x 6,600') each drum	
TUGGER WINCHES	2 x 10.8 Lt, 11 Mt	
STERN ROLLER	SWL 350 Mt (16' x 8')	
SHARK JAW	2 x Karmfork, 295 Lt, 300 Mt	
TOWING PINS	2 Pair x Karmøy hyd w/ locking flaps	

PERFORMANCE:

MAXIMUM SPEED		14 knots
CRUISING SPEED		12 knots
ECONOMICAL SPEED		10 knots
MAXIMUM FUEL CONSUMPTION	At 14 Knots	29.4 MT/Day
CRUISING FUEL CONSUMPTION	At 12 Knots	14.5 MT/Day
ECONOMICAL FUEL CONSUMPTION	At 10 Knots	7.5 MT/Day

ROV CAPABILITY:

DESIGNED TO ACCOMMODATE
 OCEANEERING - MILLENIUM PLUS ROV (220 HP) SPREAD
 DEDICATED POWER SUPPLY 800A & 600A from Main SWBD
 DEDICATED DP ALERT AND COMMUNICATIONS HOOK-UP TO ROV CONTROL VANS

DISCHARGE RATES:

	GPM	@ FT	M3/HR	@ M
DRILL WATER	440	246	100	75
FRESH WATER	440	246	100	75
FUEL OIL (2 SPEED)	440	246	100	75
LIQUID MUD (2 SPEED) S #1	2 x 1,000	246	227	75
LIQUID MUD (2 SPEED) S #2	1 x 330	246	75	75
DRY BULK (FREE AIR)	2 x 750 ft ³ /min	80 psi	21.2 m ³ /min	5.5 bar

ACCOMMODATION:

	Cabins: 18	Berths: 43
MASTER	1 x 1 Person w/ Head	
CHIEF ENGINEER	1 x 1 Person w/ Head	
ASST. ENGINEER	1 x 1 Person w/ Head	
OFFICER	2 x 1 Person w/ Head	
VIP	3 x 1 Person w/ Head	
CREW	4 x 2 Person w/ Head	
	2 x 4 Person w/ Head	
OFFSHORE WORKERS	4 x 4 Person w/ Head	
	2 x 2 Person w/ Head	
HOSPITAL OR 4 PERSON	w/ Head	
LOUNGE	18 Person	
MESS ROOM	22 Person	

ELECTRONICS & CONTROLS:

FULLY INTEGRATED CONVERTEAM DIESEL ELECTRIC PACKAGE	
NAVIGATION PACKAGE	Converteam / Furuno
ENGINE CONTROL	Converteam
DGPS	3 x C-NAV 3050
CYSCAN	Multi Target Laser Based Positioning System
HYDRO ACOUSTIC	Sonardyne Ranger (Fusion)
REFERENCE SYSTEM	
GYRO	3 x TSS Meridian
DYNAMIC POSITIONING	Converteam Class DPS 2
RADAR	1 x S and 1 x X Band; ARPA w/ Aft Repeater
RADIO SYSTEM	GMDSS; Area A3
STEERING	EMI Electro-Hydraulic
INTERNET EMAIL	Yes
WEATHER RADIO	Yes
SATELLITE COMMUNICATIONS	VSAT

SPECIAL EQUIPMENT:

REVERSE OSMOSIS PLANT	1 x 10MT/day
A-FRAME	150 MT SWL Electro-hydraulic with remote load sensing and display
DISTANCE BETWEEN LEGS	31.5 ft 9.60 m
CLEAR HEIGHT	47.38 ft 14.44 m
DEPLOYED LOAD LOCATION	15.90 ft 4.84 m on CL Astern
DECK CRANE	TC-10-24-40 9,750 lbs @ 10' 3,013 lbs @ 40'
ANCHOR WINDLASS	Rolls Royce 11.5 Mt at 15m/min
ANCHOR & CHAIN	2 x 1,846 Kg (439 m x 38 mm Ø chain)
EXTERNAL FIFI (CLASS 1)	2 x 1,200 m ³ /hr (with foam capability)
DISCHARGE METERS	Potable Water & Fuel (with printer)
SURVIVAL CRAFT	6 x 25 person inflatable liferafts
RESCUE BOAT	MP660 Springer, Full SOLAS 6.6 m, 6 person, 32-34 kt max speed, diesel waterjet, propulsion, self righting
LIQUID MUD CIRCULATION	Flygt Agitators (2) per tank
CONTAINER/DECK POWER	4 x 480 V, 63A, 3Ø & 4 x 220 V, 32A, 1Ø at 60 HZ
NITROGEN INERTING SYSTEM	For Methanol Tank Inerting
OIL DISPERSANT SYSTEM	For application of concentrated or dilute dispersant from 8m spray arms PT or STBD

CLASS AND REGULATORY:

CLASS	ABS +A1, (E), Towing Vessel, + AMS, DPS-2, ACCU, Fire Fighting Vessel Class 1
USCG	OSV, SubCh L & I Vessel
BUILT	Delivery 2012
FLAG	US
SOLAS	Full