

190' DP-2 CREW/FSV ALICE G. McCALL



190' DP-2 CREW/FSV ALICE G. McCALL

MAIN PARTICULARS

LENGTH OVERALL	190.00 ft	57.91 m
LIGHT DRAFT	5.17 ft	1.58 m
LENGTH BP	167.00 ft	50.90 m
LOADED DRAFT	10.50 ft	3.20 m
BEAM	34.00 ft	10.36 m
SUMMER FREEBOARD	5.92 ft	1.80 m
DEPTH	13.00 ft	3.96 m
LIGHTSHIP	249.00 LT	253.00 Mt

CAPACITIES

FRESH RIG WATER	69,452 USG	262.9 m ³
FUEL OIL	39,608 USG	149.9 m ³
DRY BULK (DECK TANKS)	2,400 ft ³	67.9 m ³
ENGINE LUBE OIL	600 USG	2.3 m ³
POTABLE WATER	1,970 USG	7.5 m ³
HYDRAULIC OIL	80 USG	0.3 m ³
BILGE OIL	185 USG	0.7 m ³
GEAR OIL	150 USG	0.6 m ⁴
DEADWEIGHT	450 LT	457.2 mt

CARGO DECK

TONNAGE	400 Lt	406.4 mt
STRENGTH	540 lb/ft ²	2.6 mt/m ²
LENGTH	123.0 ft	37.5 m
WIDTH	28.0 ft	8.5 m
CLEAR AREA	3,318 ft ²	320.0 m ²

TONNAGE

	USA	INT
GRT	98 GRT	496 GT
NRT	66 NRT	148 NT

MACHINERY

MAIN ENGINES	5 x Cummins KTA-50-M2
BRAKE HORSEPOWER	5 x 1,800 = 9000 BHP @ 1900 RPM
REDUCTION GEARS	5 x Twin Disc MG-6848, 2.93:1
CONTROLLABLE SPEED PROPELLERS	4 blade Michigan 54"x53" Nibrall
PROPELLER SHAFTING	5" x 26'-3" Stainless Steel
RUDDERS	3 Independent x Stainless steel W/ 6" shaft
MAIN GENERATORS	2 x 135 kW, 208 VAC, 60 Hz, 3φ
MAIN GENERATOR DRIVES	2 x Cummins 6 CTA
AZIMUTH BOW THRUSTER	1 x Thrustmaster TH400RN
AZIMUTH BOW THRUSTER DRIVE	1 x Cummins QSM-11
TUNNEL BOW THRUSTER	2 x Thrustmaster 30TT200
TUNNEL BOW THRUSTER DRIVE	1 x Cummins QSM-11
BULK COMPRESSOR	LEROI WE 150 SS
BULK COMPRESSOR DRIVE	1 x Cummins 6 CTA
OILY WATER SEPARATOR	US-500-C Bilge Water Separator

PERFORMANCE

MAXIMUM SPEED	26 knots
CRUISING SPEED	23 knots
ECONOMY SPEED	20 knots
MAXIMUM FUEL CONSUMPTION	420 GPH @ 1,900 RPM
CRUISING FUEL CONSUMPTION	310 GPH @ 1,800 RPM
ECONOMY FUEL CONSUMPTION	260 GPH @ 1,600 RPM

DOCUMENTATION

CLASS	ABS +A1 HSC Crewboat +AMS +DPS-2
FLAG	USA
USCG - dual certified	Sub Chapter T Passenger Vessel Sub Chapter L Offshore Supply Vessel Flammable/Combustible Cargo Allowed on Deck EEP Certified
DP CLASS	ABS DPS-2
Fire Fighting CLASS	FIFI 1 Capability
IOPP / SOPEP	USCG
BUILT	2008
OFFICIAL NUMBER	1211724
CALL SIGN	WDE4782
MMSI#	366301000
IMO NUMBER	9517886

DISCHARGE RATES

	GPM @ FT		M ³ /HR @ M	
DRILL WATER	700	260	159	79
FUEL OIL	350	240	79	73
DRY BULK	780 ft ³ /hr 80psi		22	6 bar

ACCOMMODATIONS

CREW	Cabins: 5	Berths: 8
GALLEY	2 heads w/ shower	
	Main Mess: 8	
	25" TV w/ VCR	
	2 x 19 cu ft refridgearator / freezer	
	washer / dryer	
PASSENGER AREA	60 First Class Seats w/ 1 head	
	2 x 32" TV w/ Stereo Sound System & VCR	
	Luggage Area	
A/C & HEATING	(2) 5 ton, (1) 2 ton Central HVAC Units	

ELECTRONICS & CONTROLS

COMPASS	1 Magnetic, 2 Gyro
DEPTH RECORDER	Datamarine 3001
ENGINE / GEAR CONTROLS	CSP Electric
EPIRB 406 Mhz	Northern Airbone Technology S-1210
GPS	Garmin 2106
CHART PLOTTER	Coastal Explorer
RADAR	2 x Furuno 2127 (ARPA Enabled)
SSB	1 - Furuno FS-1503
	1 - Furuno FS1570T
STEERING	Electro-hydraulic w/ Independent Rudders
AUTOPILOT	Com Nav 2001
VHF	1 x portable VHF & 3 x Icom M504
INTERNAL TELEPHONE	International Marine Sound Powered
HAILER / PA SYSTEM	Ratheon 430
DYNAMIC POSITIONING	Kongsberg DPS-2 KPOS w/ Cjoy
NAVTEX	Furuno NX 700
INTERNET E-MAIL	Globe Wireless
AIS	Furuno FA150

SPECIAL EQUIPMENT

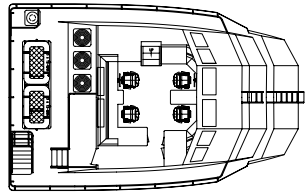
FIRE FIGHTING	Fixed CO2 System In All Machinery Spaces
LIFE RAFTS	6 - 12 man floats
RESCUE EQUIPMENT	Rescue Davit and Basket
FUEL METER	Smith E3S3
SEARCHLIGHTS	3 - Carlise & Finch
DISCHARGES	Bulk, Fuel, Water Piped to Stern of Vessel
FI FI MONITORS	5300 gpm with 2 monitors - remote control
FIRE DETECTION	Smoke and Heat Detection Per USCG / ABS
CCTV Monitor	Deck, Passenger rm., Engine rm Compressor Room, Thruster Room
DECK LIGHTING	8 - 1500 Watt, 2 - 250 Watt
SEWAGE TREATMENT	Head Hunter System
ENGINE MONITORING	CSP Electronics
BOARDING RAMPS	Fitted Port and Starboard
VESSEL MONITORING	CSP electronics
XM RADIO / DIRECT TV / XM WEATHER	Fitted

This specification is preliminary and subject to change without notice. Exact tank capacities, deadweight, deck cargo capacity and other figures that have been calculated and may change when the actual vessel is delivered.

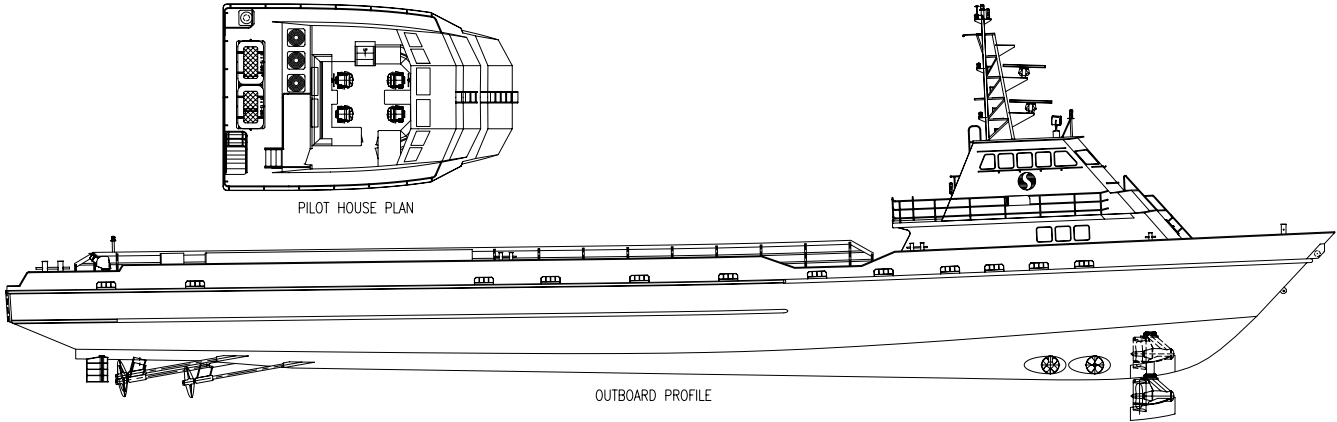
190' DP-2 CREW/FSV ALICE G. McCALL



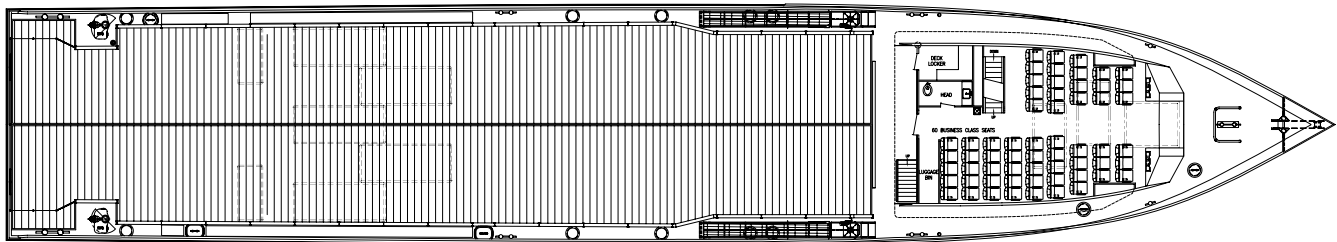
190' DP-2 CREW/FSV ALICE G. McCALL



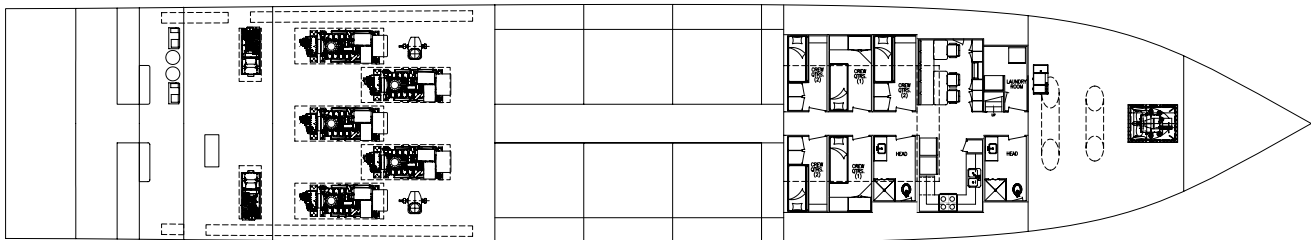
PILOT HOUSE PLAN



OUTBOARD PROFILE



MAIN DECK PLAN



BELOW DECK PLAN



DP Capability Plot GULFCRAFT HULL 464

Input file reference : Gulfcraft Hull 464, Rev B.scp
Last modified : 2008-08-10 14:56 (v. 2.5.1)

Length overall : 57.9 m
Length between perpendiculars : 54.7 m
Breadth : 10.4 m
Draft : 2.4 m
Displacement : 691.0 t (Cb = 0.49)
Longitudinal radius of inertia : 13.7 m (= 0.25 * Lpp)
Pos. of origin ahead of Lpp(%) : 0.0
Wind load coefficients : Calculated (Blenderman)
Current load coefficients : Calculated (Simp-theory)
Wave-drift load coefficients : Database (Scaled by Breadth*Length)

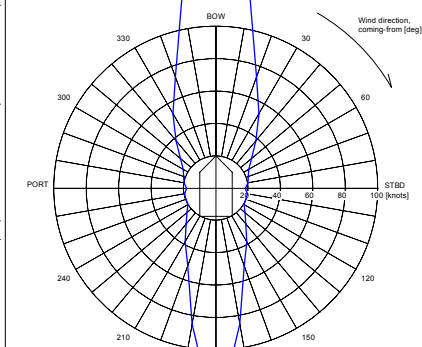
Tidal current direction offset : 0.0 deg
Wave direction offset : 0.0 deg
Wave spectrum type : Pierson-Moskowitz
Wind spectrum type : NFD
Current - wave-drift interaction : OFF
Load dynamics allowance : 1.0 * STD of thrust demand
Additional surge force : 0.0 tf
Additional sway force : 0.0 tf
Additional yawing moment : 0.0 tfm
Additional force direction : Fixed
Density of salt water : 1020.0 kg/m³
Density of air : 1.225 kg/m³

Power limitations : OFF

#	Thruster	X [m]	Y [m]	F = [t]	F = [t]	Max [N]	Pc [kW]	Rudder
1	AZMUTH	22.1	0.0	5.2	-3.0	100	323	
2	TUNNEL	19.7	0.0	1.7	-1.7	100	147	
3	TUNNEL	17.7	0.0	1.7	-1.7	100	147	
4	PROP	-19.7	-1.7	7.6	-7.6	100	606	
5	PROP	-19.7	1.7	7.6	-7.6	100	606	
6	PROP_AS	-23.5	-3.4	7.6	-7.6	100	606	SPADE
7	PROP	-23.5	0.0	7.6	-7.6	100	606	
8	PROP_AS	-23.5	3.4	7.6	-7.6	100	606	SPADE

Case number : 2
Case description : All thr., rudder 1 and 2 running
Thrusters active : T1-T8
Rudders active : R1-R2

Limiting 1 hour mean wind speed in knots at 10 m above sea level



Wind speed: Automatic
Significant wave height: Gulf of Mexico
Mean zero up-crossing period: Gulf of Mexico
Rotating tidal current: 1.00 knots
Rotating wind induced current: 0.000*U_w knots