



SIKORSKY
S-92A⁺ | Offshore Helicopter

Specifications



PASSENGER TRANSPORT

Maximum Seats .....	.2 pilots + 19 passengers
Cabin Height	6'0" 1.83m
Cabin Volume .....	.700 ft ³ 19.82 m ³
Baggage Volume .....	.140 ft ³ 4.0 m ³
Baggage Area Weight Limit	1000 lb 454 kg

WEIGHT

Maximum Takeoff Weight (internal load)*	27700 lb 12564 kg
Base Aircraft Empty Weight	15662 lb 7104 kg
Useful Load (base config. internal load)	12038 lb 5460 kg
Maximum Takeoff Weight (external load)	28300 lb 12836 kg
Maximum Cargo Hook Load	8000 lb 3628 kg

FUEL

Standard Fuel Types	Jet A, Jet A-1, Jet B, No. 3 Jet Fuel
Sustainable Aviation Fuel	<50%
Internal Fuel Sponsons	760 gal 2877 L
Removable, Internal Auxiliary Fuel Tanks	2 x 210 gal 2 x 795L

POWERPLANT: (2) GENERAL ELECTRIC CT7-8A6

Uninstalled, sea level, ISA, 105% Nr unless noted

Dual Engine Takeoff Power, 5 minutes .....	.2695 shp 2010 kW
Dual Engine 30-minute Power .....	.2637 shp 1966 kW
Dual Engine Maximum Continuous Power (MCP) .....	.2329 shp 1737 kW
OEI 30-second Power (100% Nr) .....	.2845 shp 2122 kW
OEI 2-minute Power (100% Nr) .....	.2684 shp 2001 kW
OEI Continuous Power (100% Nr) .....	.2637 shp 1966 kW

PERFORMANCE*

SPEED

VNE	165 kts
Maximum Cruise Speed	151 kts
Long Range Cruise Speed (VLRC)	136 kts

RANGE

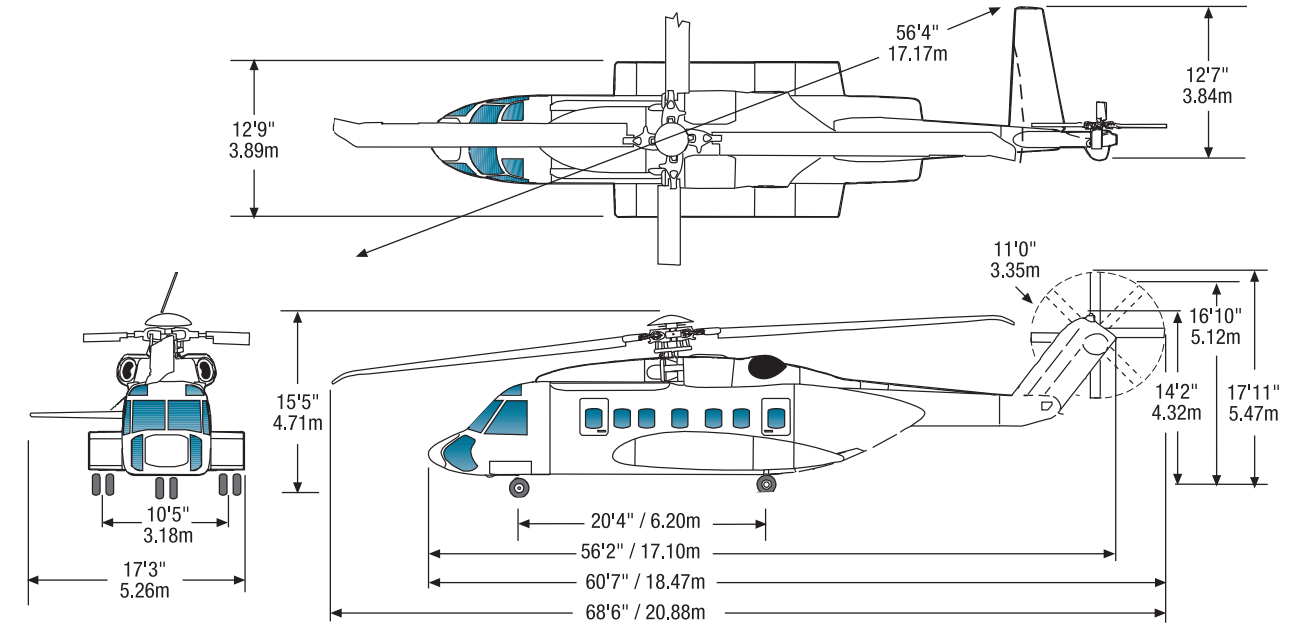
Main Fuel, No Reserve	547 nm 1013 km
Average Fuel Flow	1270 lb/h 576 kg/h
Endurance, No Reserve	5.21 hr

*Sea Level, ISA, MTOW

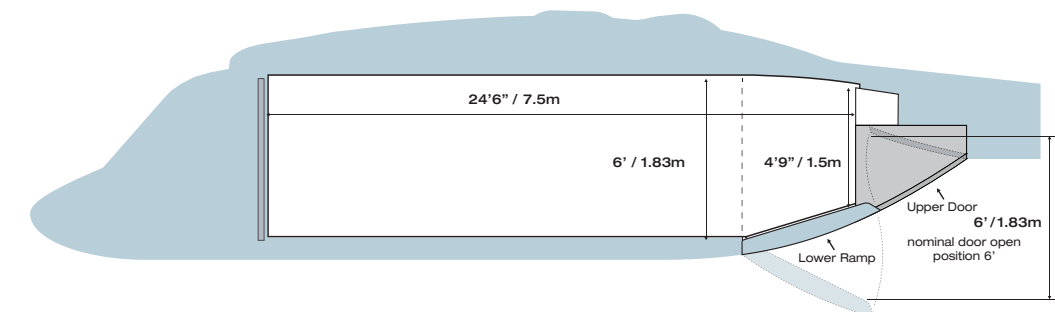
OPERATING LIMITS

Temperature Range	-40 °C to ISA+35
Max Wind Speed for Rotor Start	55 kts
Icing	RIPS Certified
Flotation	Sea State 6 Floats Certified

Aircraft Dimensions



Cabin Length	20 ft 6.1 m
Cabin Width	6.6 ft 2.0 m
Cabin Area .....	.128 ft ² 11.9 m ²
Cabin Volume .....	.700 ft ³ 19.8 m ³

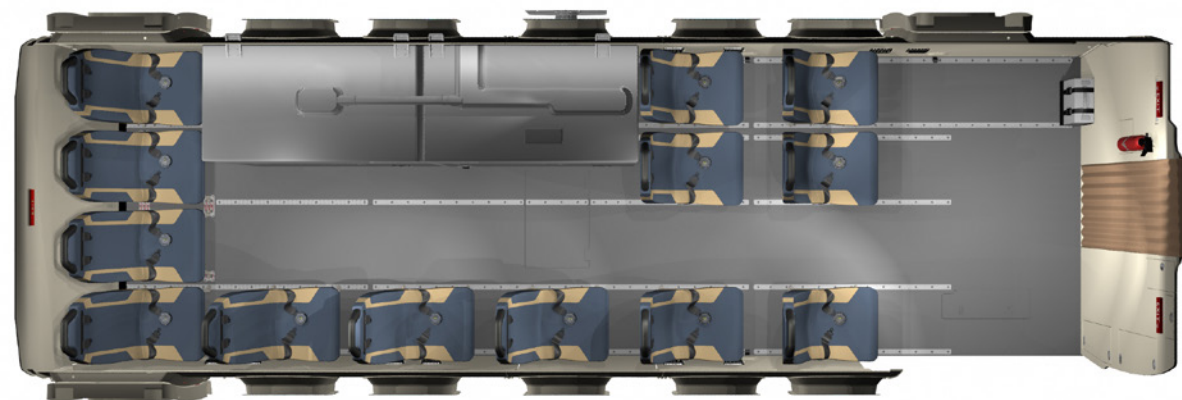




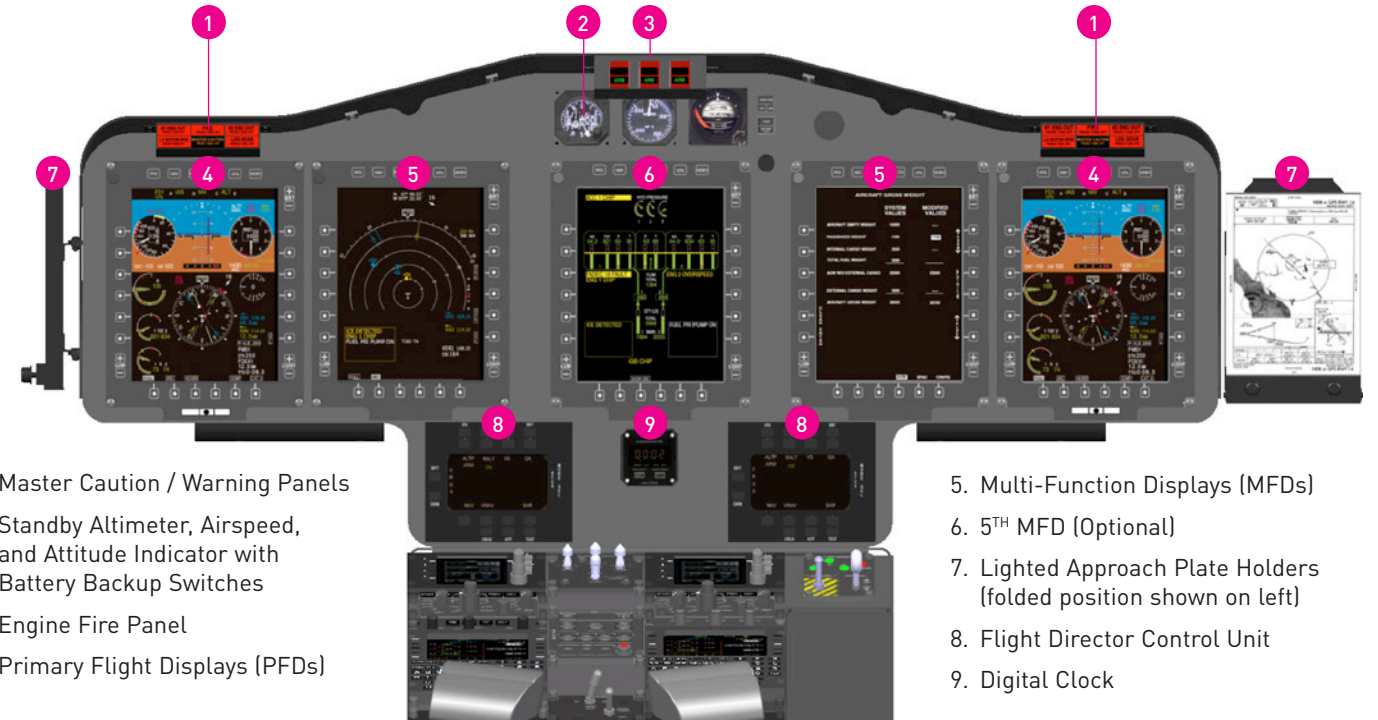
Nineteen (19) Passengers



Sixteen (16) Passengers with Single Internal Auxiliary Fuel Tank

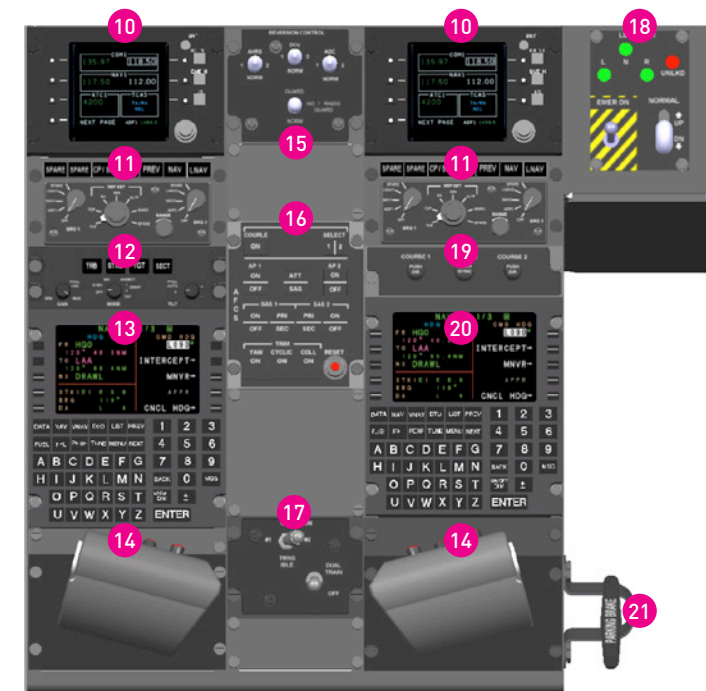


Thirteen (13) Passengers with Dual Internal Auxiliary Fuel Tanks



- 1. Master Caution / Warning Panels
- 2. Standby Altimeter, Airspeed, and Attitude Indicator with Battery Backup Switches
- 3. Engine Fire Panel
- 4. Primary Flight Displays (PFDs)

- 5. Multi-Function Displays (MFDs)
- 6. 5TH MFD (Optional)
- 7. Lighted Approach Plate Holders (folded position shown on left)
- 8. Flight Director Control Unit
- 9. Digital Clock



- 10. Radio Tuning Units RTU 4210
- 11. Display Control Units
- 12. Honeywell IntuVue™ RDR-7000 Weather Radar System Control Panel
- 13. Universal FMS UNS-1Espw

- 14. Multi-Function Slew Controllers (optional)
- 15. Reversion Control & Radio Guard Panel
- 16. AFCS Control Panel
- 17. OEI Training Panel

- 18. Landing Gear Control Panel
- 19. Remote Instrument Control Panel
- 20. Second Universal FMS UNS-1Espw (optional)
- 21. Parking Brake

PROPULSION

- Two (2) CT7-8A6 Turboshaft Engines with Axial Inlet Particle Separator (IPS) and Modern Electronic Engine Control (MEEC) with OEI Training Mode and EICAS Display
- Honeywell Auxiliary Power Unit (APU)

TRANSMISSION

- Phase IV Main Transmission with Auxiliary Lubrication System, rated at 4,170 shp in Dual Engine Operation
- Intermediate and Tail Gearboxes

ROTOR SYSTEM

- Fully Articulated Main Rotor Head with Titanium Hub and Lightweight Fairing
- Bifilar Vibration Absorber
- Four (4) Composite Main Rotor Blades, Swept and Tapered Anhedral Design
- Bearingless Flexbeam Four (4) Bladed Tail Rotor System
- Lightning Strike and Leading-Edge Abrasion Protection
- Rotor Blade Ice Protection System (RIPS) Provisions
- Rotor Brake
- Manual Blade Fold Provisions

AVIONICS

- Four (4) Collins Aerospace 6" x 8" portrait Multi-Function Displays (MFD)
- Universal Avionics UNS-1Espw Flight Management System (FMS) with single SBAS GPS and Multi-Mission Management System (MMMS)
- Dual Digital 4-Axis Automatic Flight Control System (AFCS)
- Honeywell IntuVue™ RDR-7000 Weather Radar System
- Traffic Alert and Collision Avoidance System, TCAS II
- Honeywell MK XXII Enhanced Ground Proximity Warning System (EGPWS) with Offshore HTAWS
- SkyTrac Systems ISAT-200 Flight Following System with Cockpit Control Panels and Voice Capability
- Two (2) Collins Aerospace Air Data Computers (ADC)
- Two (2) Litef LCR-100 Attitude Heading Reference Systems (AHRS)
- Two (2) Collins Aerospace VIR-4000 ADF/VOR/ILS/MKR Navigation Receivers
- Mode S Transponder with ADS-B Out
- Honeywell AA-300 2500 ft Radio Altimeter
- DME-4000 Navigation Receiver
- Analog Intercommunication System (ICS) with three (3) Cobham 380-014 Audio Select Panels
- Two (2) Collins Aerospace VHF-4000 VHF/AM Transceivers
- Two (2) Collins Aerospace RTU-4210 Radio Tuning Units
- Passenger Briefing System and Page PA/Chime Amplifier
- Independent Standby Instruments for Attitude, Altitude, Airspeed, and Heading
- Two (2) Master Warning Panels and Davtron Digital Clock
- Tail-Mounted External Camera with Forward View

HEALTH & USAGE MONITORING AND RECORDING SYSTEMS

- Collins Aerospace Health and Usage Monitoring System (HUMS) with Blade Track Camera
- Curtis Wright MPFR with 90-day ULB and Independent Power Supply (IPS)
- Curtiss-Wright Fortress 757 MPFR with Airborne Image Recording System (AIRS)

FLIGHT CONTROL SYSTEM

- Two (2) Independent 4000 psi Hydraulic Systems & Independent Auxiliary Hydraulic System
- Pilot and Copilot Position Collective Grip, Cyclic Grip and Tail Rotor Yaw Pedals

AIRFRAME

- Gross Weight Expansion to 27700 lb / 12564 kg with LifePlus™ Component Retirement Times
- Right Cabin Clamshell Door with Airstair and Handrail
- Full-width Aft Entry with Hydraulically Powered Lower Ramp and Manually Operated Upper Door
- Jettisonable Double Pane Cabin Windows
- 200 psf Wide-Aisle Passenger Floor with Floor Mat
- Two (2) Cockpit Emergency Exits and three (3) Cabin Emergency Exit Hatches
- Fully Retractable, Energy-Absorbing Tricycle Landing Gear with Brakes and Emergency Blow-Down

ELECTRICAL SYSTEM

- Two (2) 75 kVA, Oil-Spray Cooled, 12,600 RPM, Three-Phase Generators
- One (1) APU driven, 35/45 kVA, Air-Cooled, 12,000 RPM, Three-Phase Generator
- Two (2) 400 A, 28 VDC Regulated Transformer Rectifiers
- One (1) 125 A, 28 VDC Backup Regulated Transformer Rectifier
- One (1) 15 Ah Nickel Cadmium Battery
- One (1) 28 VDC and one (1) 115 VAC External Power Receptacles

FUEL SYSTEM

- Left and Right Sponson Crashworthy Fuel Cells with Total Usable Capacity of 760 US Gallons (2877 L)
- Single-Point Pressure Refueling System and two (2) Gravity Refueling Ports

LIGHTING

- Cockpit Instrument Panel, Glare-Shield, Side/Overhead Console, Lower Console, and Flood/Utility Dimmable Lighting
- Three (3) External Position Lights, two (2) Fixed Landing Lights, one (1) Controllable Searchlight, Upper & Lower Anti-Collision Lights, and six (6) Exterior Emergency Egress Lights

COCKPIT AND CABIN FURNISHINGS

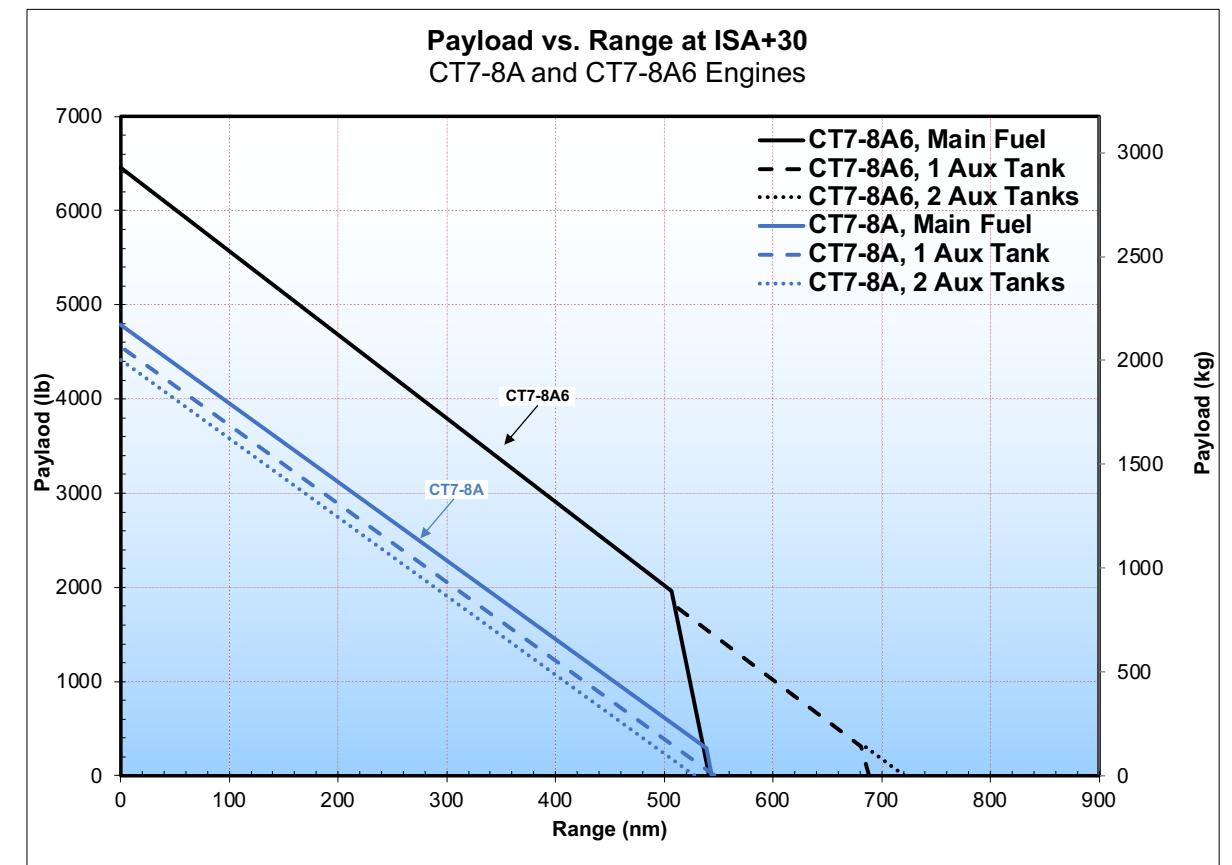
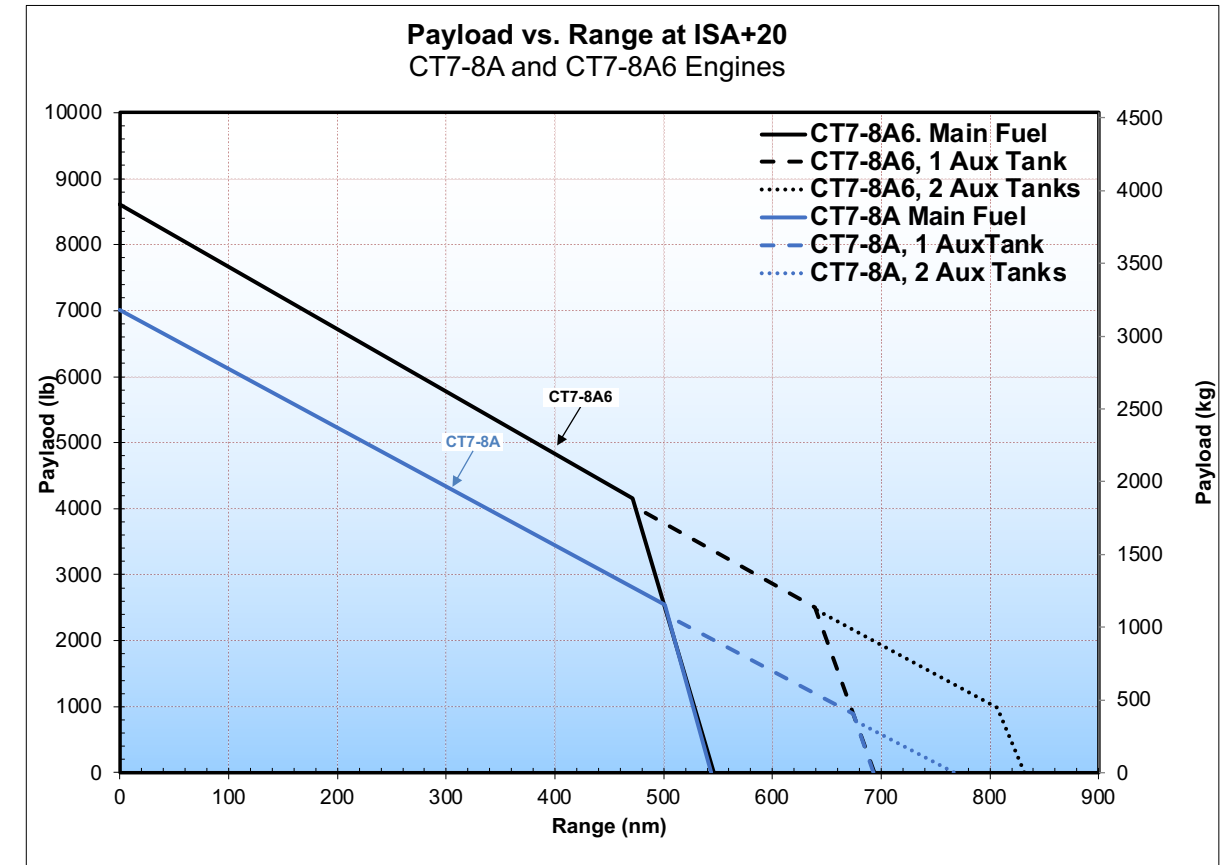
- Two (2) Crashworthy Cockpit Crew Seats with five (5) Point Harnesses
- Nineteen (19) Crashworthy Airliner Seats with 4-pt Restraint and Headrests
- Offshore Interior Wall Panel System with Standard Cabin Acoustic Treatment and Night Curtain
- Active Vibration Control System with three (3) Force Generators
- Cockpit and Cabin Air Conditioning with Single Compressor
- Cockpit and Cabin Bleed Air Heating and Windshield Defogging
- Baggage Compartment Shelf & Bulkhead
- Windshield Wipers and Windshield Washing System
- Pilot and Copilot Approach Plate Holders and Cup Holders
- Two (2) Fire Extinguishers (Cockpit / Cabin) and First Aid Kit

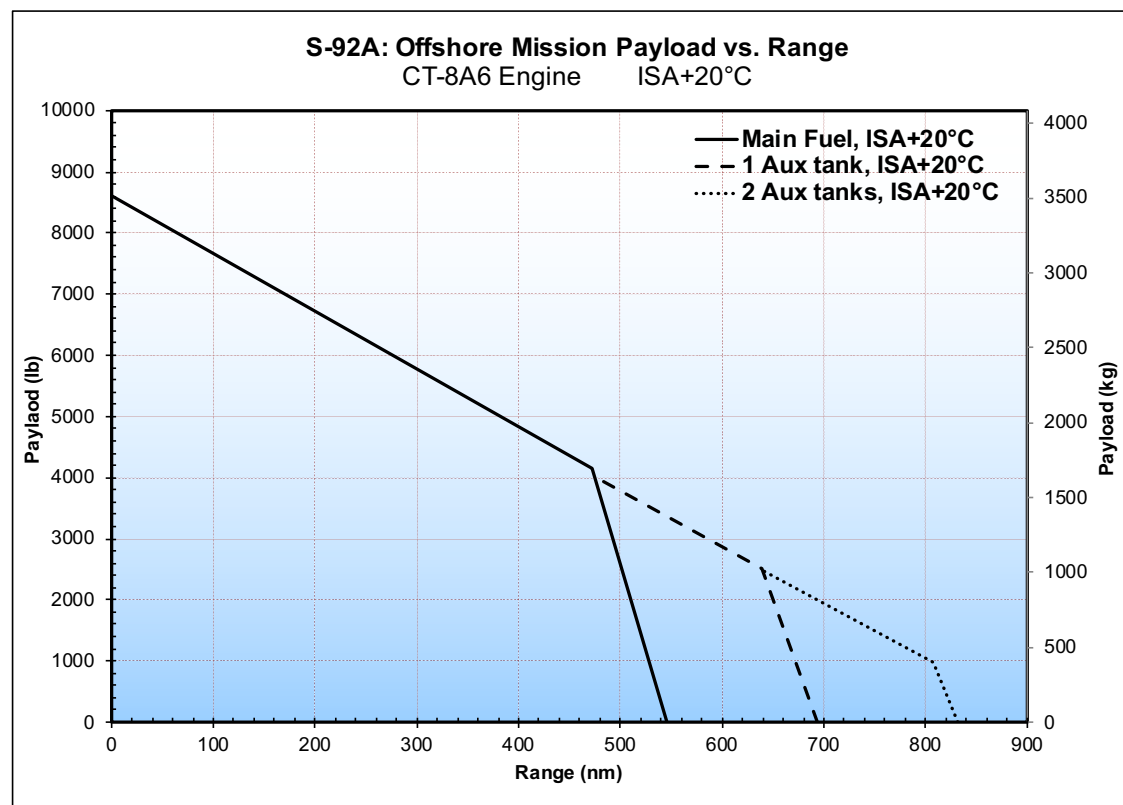
OVER-WATER EQUIPMENT

- Automatic Deployable ELT (ADELT), HR Smith, 15-503-134
- Emergency Flotation System (EFS), Three Inflatable Bags (Certified to Sea State 5)
- External Life Rafts (Survitec) (FAR 135.167 or JAR-OPS 3.830 Survival Pack), with 500-12Y Mod 1 Beacons
- Helicopter Emergency Egress Lighting System (HEELS) for six (6) Emergency Exits and ten (10) Cabin Jettisonable Windows

SELECTABLE OPTIONS FOR OFFSHORE OR LIMITED SEARCH AND RESCUE MISSIONS

- Half-Height or Full-Height Sliding Cabin Door
- Direction Finder
- Electro-Optic / Infrared (EO-IR) Camera System
- High-powered Searchlights
- SAR Automatic Flight Control System (AFCS)
- Rotor Ice Protection System Completion
- Second GPS/FMS
- Night Vision Goggle Compatible Cockpit / Cabin
- Mission Displays and Digital Moving Map System
- Rig Approach™ System
- Automatic Identification System (AIS) Transponder
- Aeromedical Litters
- SAR Cabin Mission Console
- Maritime Weather Radar Upgrades
- Up to two (2) Auxilliary Fuel Tanks (210 gal / 795 L each)

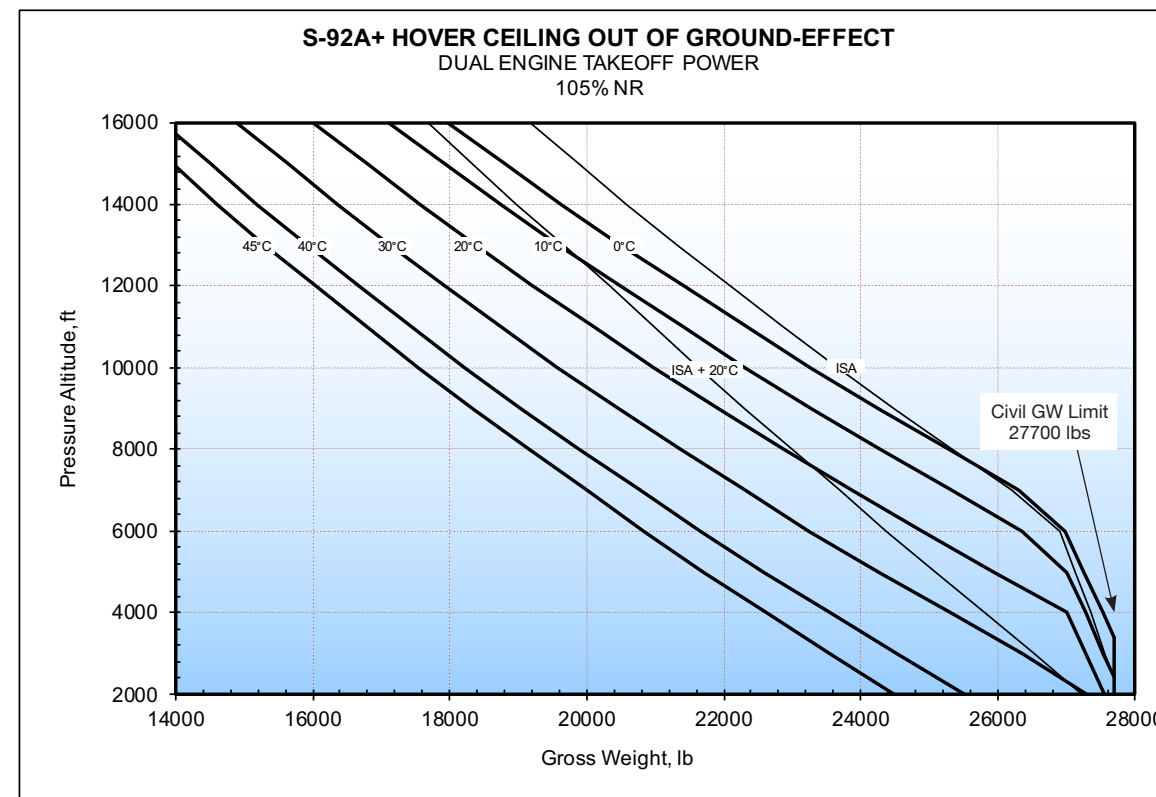
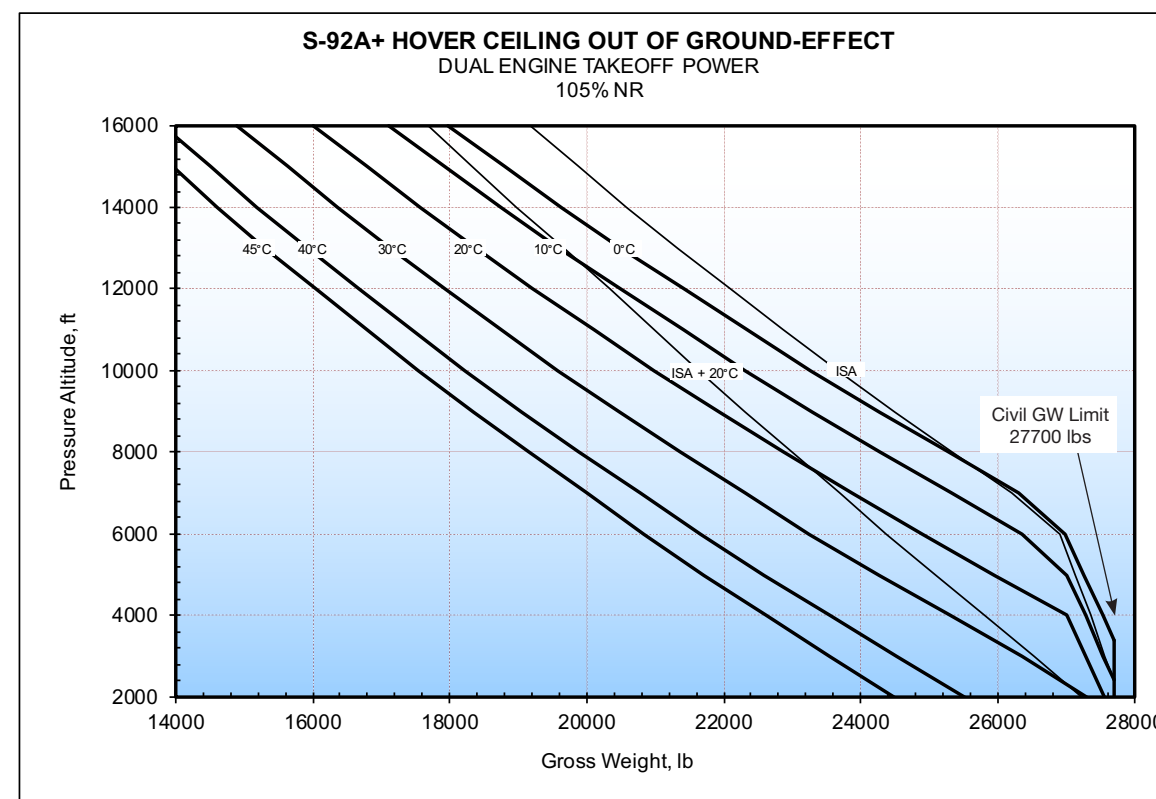


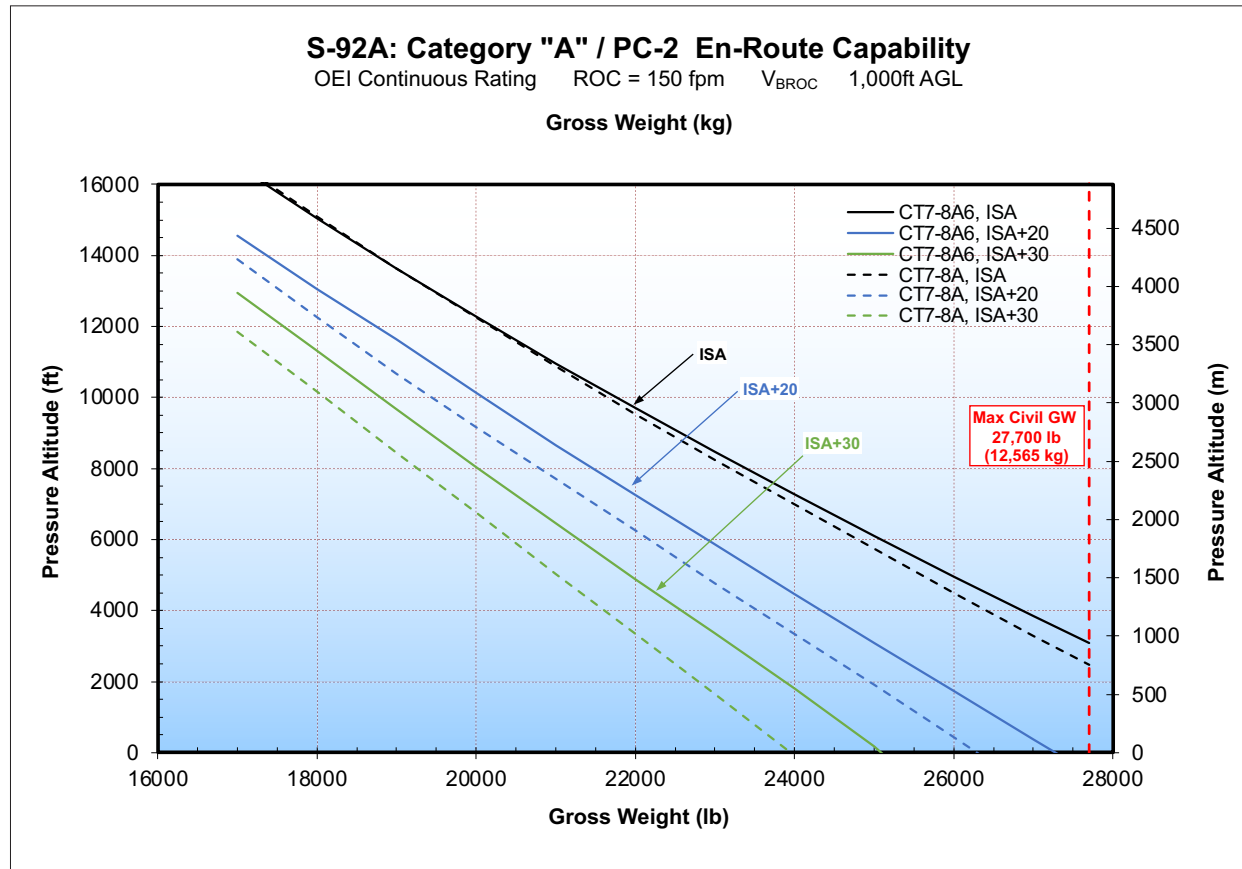


Offshore Mission

- Main Fuel, 1 Internal Aux Tank, and 2 Internal Aux Tanks
- ISA+20
- Take-Off: Cat A Runway
- Cruise: 6000 ft @ VBR
- Reserve: 30 min @ VBR
- Two (2) Pilots: 200 lb (91 kg) each
- Passengers with Baggage: 220 lb (100 kg) each

	Weight (lb)	Weight (kg)
Operating Weight (19 Pax + Main Fuel)	27305 lbs	12385 kg
Operating Weight (13 Pax +1 Auxiliary Tank)	27635 lbs	12535 kg
Operating Weight (6 Pax +2 Auxiliary Tank)	27621 lbs	12529 kg









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