

429 HEMS MISSION COMPATIBILITY

10th October 2019, ZAKOPANE

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New standard for HEMS mission

Exceptional Speed to get to Scene and Patient to a Hospital

- Largest Contiguous Cabin in Class to better Treat Patient
- Excellent field of view and ambient lighting for Day time Operations and NVG Compatible for Night time Operations
- Smoothest Ride from Hover to V_{NE}
 Less Stress on Crew, Medical
 - Attendants & Patient
- Only Light Twin Capable of Two Patients and Two Medical Attendants at Head of Patient
- Capacity for a Neo-Natal EMS Unit and up to Three Medical Crew

		A R C T I C	O C E A N
	Bell Customer	Country	Bell 429 Fleet
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	Doctor Heli	Japan Bring and	n sol 1/ fill
2	Fairfax County Police	United States of America	
	Good Samaritan Hospital Air Care – Kearney NE	United States of America	Mongolia and 1 the second
	HALO-Flight – Corpu <mark>s Christi, TX</mark>	United States of America	with second and Japan
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the second		Switzerland India	A 44 LAOS Mar Berger Transmit Transmit To Barrison
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	Mercy Flight – Buffalo, NY	United States of America	
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TUNNER TUNALI	Nassau County Police Department	United States of America	Barrange Bar
	NEMA Rescue	Nigeria	
NEW ZEALAND	Royal Thai Police	Thailand res	A U S T RALLIA
	San Juan Regional Medical Center – Farmington NM	United States of America	and the second s
	Service d'Aide Medicale Urgente SAMU	France	2 Martines Hew Zeal AND
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P	Univ. North Carolina Air Care – Chapel <mark>Hill, NC</mark>	United States of America	M64 2 4
	Wilshire Air Ambulance	United Kingdom	1
	Grand Total (As of June 2019)	12	49

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Bell 429 Safety Features

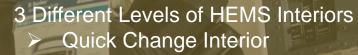


Harsh Weather Environments



- Operates in Temperatures between -40°C (-40°F) and 51.7°C (125°F)
- Cold Weather Operations;
 - Operating in the Arctic with Canadian Coast Guard
 - Operating in Switzerland with Air Zermatt
- Hot Weather Operations;
 - Operating in Kuwait by Kuwait Ministry of Health
 - Mountainous Regions
 - Operating in Swiss Alps by Air Zermatt
 - Operating in Scandinavian
 Mountains by Swedish National
 Police

Various EMS Interiors - Aerolite



- Easily removable equipment
- X Series and stretcher.
 - No permanently attached equipment
 - Interior Compatible with 429 Seat Rails
 - Full Light weight EMS Interior however removable to perform other missions
 - Loading Platform for Side or Rear Loading
 - Roll-on/Roll-off EMS Interior
 - Medical Floor Overlay
 - Side or Rear Loading

Various EMS Interiors – United Rotor Craft

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- Roll-on/Roll-off Stretcher with
 Full EMS Interior
 - Rear Loading Stretcher
 - Medical Floor Overlay

HEMS Capabilities

- Multiple Patient Loading Alternatives
 - RH and/or LH Side Loading w/ Wide Side Openings (RH & LH Sliding Doors (standard)
 - Rear Loading w/ Rear
 Clamshell Doors (optional)
 - Flat Floor throughout Cabin for easy loading and unloading of Stretcher
 - Floor Height designed to be compatible with Stretcher height



HEMS Operation – Side Loading of Patient



- 61.9" (157 cm) Wide Cabin
 Door Opening on Each Side of the Aircraft
- Automatic Door Openers available for the Hinged Door Flat Floor for Easier Loading of the Patient on Stretcher or Backboard
 - High Main Rotor Height for Enhanced Safety for Loading and Unloading at the Scene Aircraft Flat Floor Height designed for ease of Loading Patient

Loading from RH or LH Side Available to support Customer Operations

HEMS Operations – Rear Loading of Patient



- Large Unobstructed Opening to the Cabin with Flat Floor
- Doors Snug up against Aircraft when Open.
 - Not Subject to Wind Gust
 - Can Approach Aircraft from the side to avoid tail of the aircraft
- High Tailboom eliminates the need to Bend Over while Loading Patient
 Two Windows in Doors for
 - Visibilty Into and Out of the Cabin

HEMS Capabilities



Largest Unobstructed Cabin in its Class for Medical Personnel to work

Medical Equipment and Electrical Power located near Patient

Medical Attendant Seats capable of Swiveling and Tracking

High Ceiling for easier mobility

NVG Compatible LED Lighting for Night Operations

HEMS Mission Equipment - Optional Medical Wall

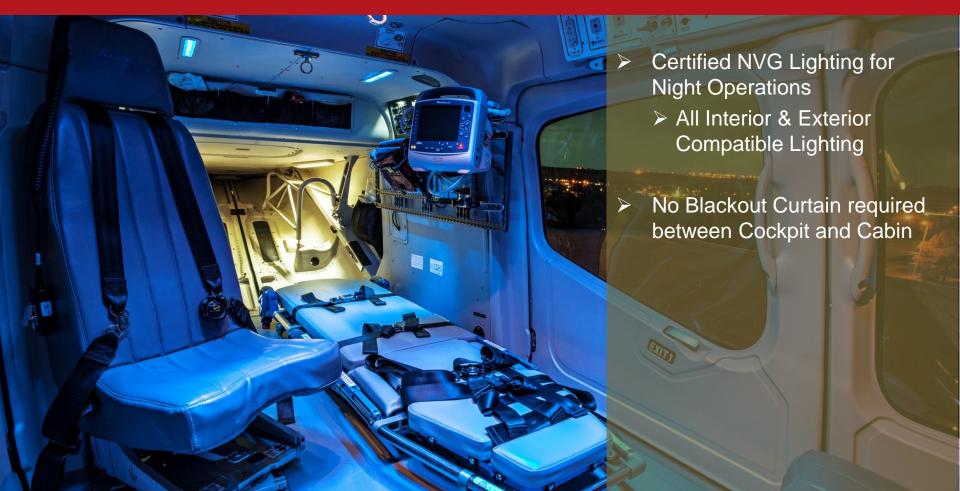


Located Opposite the Baggage Compartment Door

Ability to attach Multi-Sized Pouches as well as secure Backpacks and Medical Supplies

Pouch Sizes can be defined by the customer

HEMS Operations



HEMS Mission Equipment

Dual 200Amp Starter Generator for increased Electrical Power

Articulated Landing Light for increased visibility landing at the Scene

Rotor Brake for faster Shutdown at the Scene and Hospital

LED Side Mounted Loading /Scene Lights (RH & LH) for increased Safety loading and unloading Patient

LED Step Lights for Cabin Doors (RH & LH)

HEMS Mission Equipment – Rescue Hoist

Hoist Performance				
Lowering Speed	260 fpm	1.32 mps		
Raising Speed	250 fpm	1.27 mps		

Goodrich Model 44316 Hoist 600 lbs (272 Kg) Capacity Certified for Human External Cargo (HEC) **Removable Components when** not in Use **Rappelling Ring**

MILTON.

- **Control Panel and Pendant** located in Cabin
- Back-up Wire Cutter located in Cabin
- Mounted to Swing Away from Aircraft for Additional Clearance and Less Drag with not in use.

HEMS Mission Equipment – Emergency Floats



- Bell Kit for Provisions and Equipment
- Available with 1 or 2 Liferafts (7-Person Capacity)
- Single Life Raft Available in LH or RH Float
- Float Bottle attached to Removable Equipment Quick Removal of Float Equipment (< 5 mins)
- Certified up to Sea State 5 (Sea State 6 Certification Pending Approval)
- Only Light Twin Certified for Ditching

HEMS Mission Equipment – Additional kits

- 4-Axis Autopilot
- Traffic Avoidance System (TAS)
- Single or Dual Evaporator Air Conditioner
- Digital Audio System
- > Polycarbonate Windows
- Weather Radar
 - Radar or Radar Service
- Wire Strike Protection System
- Satellite Phone XM or Iridium

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