



## EMERGENCY RESCUE HELICOPTER SERVICE CAPABILITY FACT SHEET

### Aircraft Information

Operator: Lloyd Helicopters trading as CHC Helicopters (Australia)  
Type: Bell 412EP (“Enhanced Performance”) Huey  
Engines: 2 x Pratt & Whitney Canada PT6T-3DF turbine engines

**RESCUE**  
**Six-Fifty-One**  
VH-EWA

**RESCUE**  
**Six-Fifty-Two**  
VH-EPK



### Dimensions

Rotor Diameter: 14.0 metres  
Fuselage Length: 13.13 metres  
Max Operating Weight: 5,397 kilograms  
D-Value (used for helicopter landing site (HLS/helipad) design): 17.1 metres

### Performance

Cruise Speed: 120 knots / 230 km hr. / 3.75km minute  
Operational Radius (flight to incident, one tank of fuel, weather-dependent): Approx. 240 km (out & back)  
Deployment Range (without refuelling): Maximum 530 km

### Crew & Patients

Standard Crew: CHC Pilot, CHC Air Crewman, St John Ambulance Critical Care Paramedic / Rescue Crewman (CCP)  
Optional Crew: Royal Flying Doctor Service Clinician, Department of Health Specialist/s, other supplementary crew

Patients: Maximum 2 unless SAR mercy mission

### ICAO EPNL (Noise) Rating:

Take-off 92.8 dB  
Over-flight 93.4 dB  
Approach 95.6 dB

**Equipment:** Single Pilot IFR/NVG, Image-Intensifying Night Vision Imaging System (NVIS), FLIR Systems StarSafire 380Hdc Thermal Imaging Sensor and HD TV and video management systems, Churchill ARS (“augmented reality”) mapping system, two-person (272kg) rescue winch, multi-agency radios, critical care medical equipment, St John Ambulance AmbiCAD. (Note: Helicopters are not fitted with sensor datalinks.)

### Readiness

Type of Mission	Readiness (minutes from task order)	Helicopter Planning Ranges
Primary Care Retrievals	15 minutes	400 km total distance from base to incident then to definitive care destination hospital.
SAR	15 minutes	Land SAR: Variable ranges Sea Rescue: Up to 110 km off shore.
Secondary Care Aeromedical IHPT	60 minutes	Variable ranges, depending on time-criticality