



AIRCRAFT SPECIFICATION

BELL 412

I. Aircraft Data

Aircraft Type	: Nbell 412SP
Aircraft Serial Number	: 34024
Registration	: PK-DAR
Manufactured by	: PT. Dirgantara Indonesia
Year of Manufacture	: 2003
Configuration	: VFR & IFR
Empty Weight	: 7051.30 lbs (Standard Skid with Bottle Installed)
Useful Weight	: 4848.70 lbs (Standard Skid with Bottle Installed)
Payload	: 4508.70 lbs (Standard Skid with Bottle Installed)
Range	: 256 Nm in Zero wind ISA + 20 degrees With full passenger, no-refueling
Main Rotor System	: 4 bladed, soft in-plane
Main Rotor Disc Diameter	: 45 feet
Tail Rotor System	: 2 bladed
Tail Rotor Diameter	: 8 feet 7 inch
Gross Weight	: 11,900 pounds
Crew	: 2 (two), Pilot and Co-Pilot
Passenger	: 13 Passenger (*)
Flight Control	: Powered by two separated hydraulic system
Maximum Operation Pressure Altitude	: 16,300 feet
Hover Ceiling OGE	: 3,000 feet
Maximum speed (VNE)	: 140 Knots
Main Cabin Space	: 220 Cu. Ft
Passenger Door Height	: 4 feet 1 inch
Passenger Door Width	: 7 feet 8 inch
Cargo Area (overall length)	: 7 feet 8 inch
Cargo Area (Maximum Height)	: 4 feet 4 inch
Crew Door	: Hinge mounted with emergency jettison system
Cargo Door / Passenger Door	: Sliding type with emergency pop out window
Maximum Baggage Compartment capacity	: 400 pounds
Baggage Compartment Space	: 28 Cu. Ft
Landing Gear	: Floatation Skid Gear Type
Emergency Floatation Gear	: Light Weight Pop Out System (Optional)

(*) Subject to fly distance & Fuel requirement

II. Power Plant

Powered by / Engine	: Twin Pack, Pratt & Whitney PT6T-3B
Output Power	: 900 SHP / Power Section
Engine #1 Serial Number	: CP-PS 62917
Engine #2 Serial Number	: CP-PS 62918
Standard Fuel Capacity	: 2100 pounds or 337 US Gallons
Take Off	: 1800 SHP
Maximum Continuous	: 1600 SHP
1 Engine, 2 ½ min	: 1025 SHP
30 Minute (FAA)	: 970 SHP

III. Aircraft Documentation

Certificate of Airworthiness, valid up to	: June 19, 2009
Certificate of Registration, valid up to	: February 06, 2010
Compass Swing, valid up to	: On Condition
Weight and Balance, valid up to	: March 21, 2009
Radio Permit, valid up to	: March 17, 2009

IV. Instrument / Radio Communication / Navigation

Engine Instrument	: Dual Instrumentation
Dual VHF Communication	: Collins 228
HF Communication	: Bendix King – KHF 950
Dual ADF System	: Collins ADF-60
DME	: Collins DMF-42
Dual Radio Navigation System	: Collins VIR-32
Radio Altimeter	: Collins ALT.50.A
Intercommunication System	: Andrea-A301-6R
Emergency Locate Transmitter	: Artex C406
Transponder	: Collins TDR-90
Homer	: Dome & Margolin DMED 3-5/B
VOR	: VIR Collins 32
Gyro Magnetic Compass	: Sperry Tarsyn - 444
Auto Pilot	: AFCS Sperry SHZ-412
Search Light	: 360 degrees steering
Landing Light	: Retractable

V. Additional

WX Radar	: Bendix RDR 1400C
GPS	: Garmin GPS-155 XL
Underwater Beacon	: Dukane DK-120
Flight Director	: Sperry / FZ-702
CVR	: FA.2100 CVR
Internal Hoist	: Good Rich 42277-1 R100

VI. Provisioning

External Cargo Hook	: 4500 pounds capacity
Auxiliary Tank	: 90 gallons capacity (**)
Internal Hoist	: Single
Medical Stretcher	: 3 Stretcher

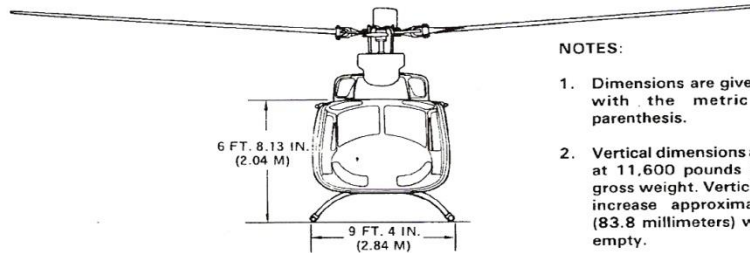
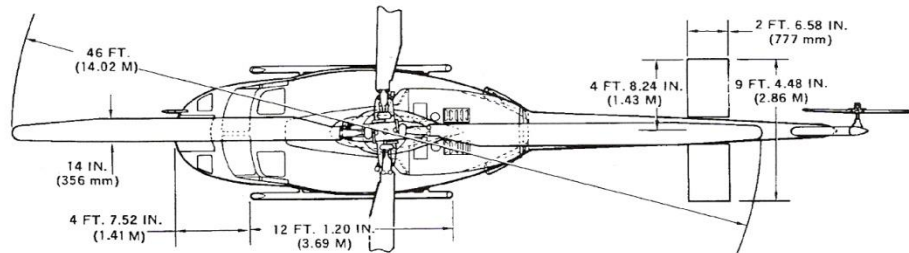
VII. Safety Equipment

Life Raft	: Type 10R MK (10-15 Person)
Life Vest	: Switlik HV-35P (13 ea) (optional)
Crew Life Vest	: Switlik HV-35C (optional)
Ear Protector	: David Clark (13 ea)
First Aid Kit	: RE-1013-102
Floating Beacon	: Dolphin (optional)
Survival Kit	: UTSK-10
Public Address (PA) System	: For Max. 13 pax (2 Channel with 2 way com)
Personal / Crew ELT / PLB	: HR Smith 500-12 with Freq. 406.025 Mhz

(**) With 90 glns. Auxiliary tank installed, only 11 passenger seats available

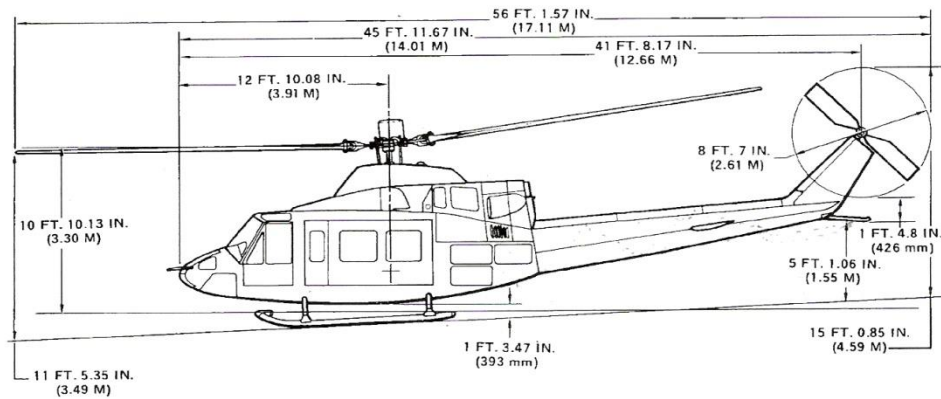


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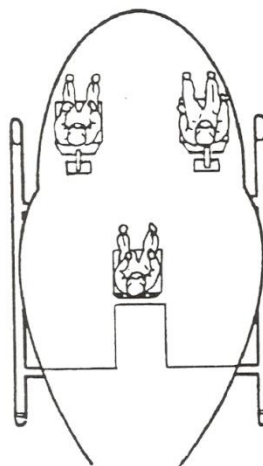
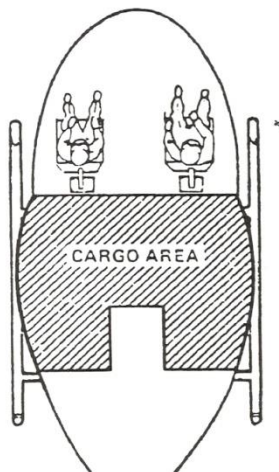
NOTES:

1. Dimensions are given in English units with the metric equivalent in parenthesis.
2. Vertical dimensions are for helicopters at 11,600 pounds (5262 kilograms) gross weight. Vertical dimensions will increase approximately 3.3 inches (83.8 millimeters) when helicopter is empty.

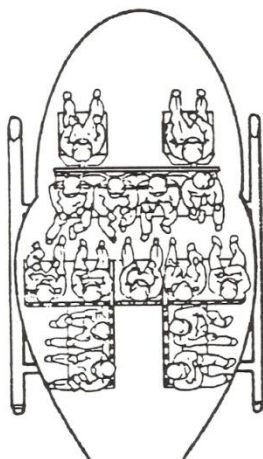




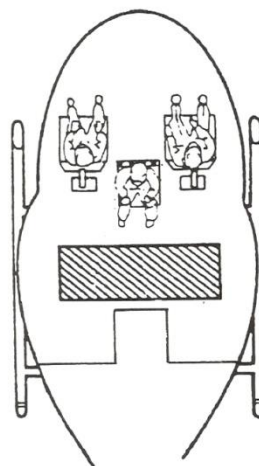
CONFIGURATION



**SINGLE PASSENGER SEAT
MEDICAL ATTENDANT HOIST OPERATOR**

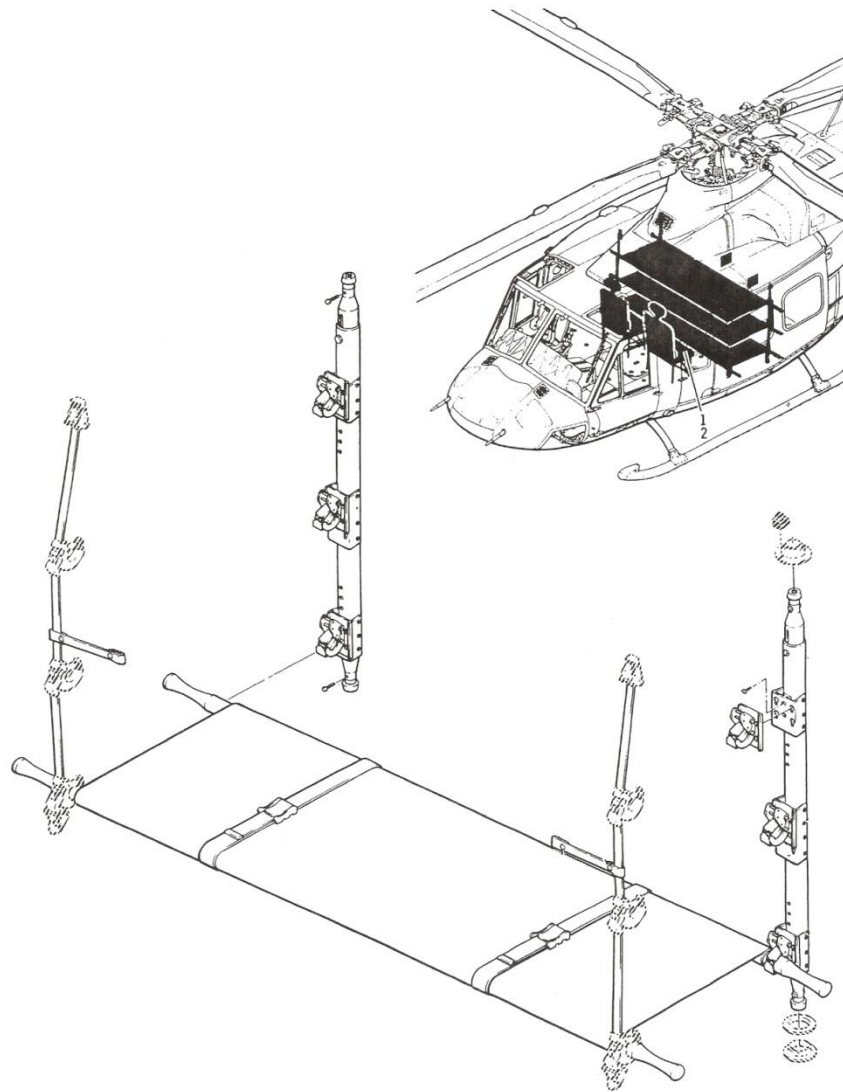


**PERSONEL TRANSPORT
AT UP TO 13 PESSENGER**



**PERSONNEL TRANSPORT
THREE LITTER PATIENTS**

PESSENGER / CARGO COMPARTMENT



**Medical Stretcher Configuration for Medical Evacuation
3 Stretcher + 2 Medic**