

AIRCRAFT SPECIFICATION

EC155B1

PK - TPD, S/N 6784

The aircraft spec's listed below is the basic information for the minimum operation of the aircraft.



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I. CERTIFICATE'S

C of A : 23-Jan-15
 C of R : 17-Jan-15
 Radio Licences : 31-Jan-15
 W & B : 16-Jun-17
 Insurance : 13-Apr-15
 Swing Compass : 8-Jan-16

II. AIRFRAME

Manufacture by : Eurocopter - France
 Year of Mfg. : October-07
 Hours to date : 5207:36
 Landing : 17512
 As of date : 22-Oct-14
 A/C Category : Utility
 Status A/C : Serviceable
 Location : Balikpapan

III. ENGINE

Manufacturer : Turbomeca
 Model : Two Arriel- 2C2
 Weight, lbs (kg) : 254 (115)
 Length, in (cm) : 44.20 (112.27)
 Widht, in (cm) : 21.90 (55.63)
 Height, in (cm) : 23.98 (60.91)
 Engine Installed : L/H R/H
 S/N : 26112 26122
 TSN : 4508.7 3051.9
 CSN : 5616 3460
 TBO : 3500 3500

IV. POWER RATING

shp kw
 Take Off, each : 935 697
 Max continues : 939 853
 OEI 2,5 minutes : 704 944
 OEI 30 minutes : N/A N/A
 OEI continues : 679 911

V. TRANSMISSION RATINGS

shp kw
 Take Off : N/A N/A
 Continuous : N/A N/A
 OEI continues : N/A N/A

VI. ROTOR SYSTEM

	Main	Tail
Number of Blades :	5	10 Fenestron
Construction :	N/A	N/A
Normal rpm :	N/A	N/A
Diameter, ft (m) :	12.60	N/A
Chord, ft (m) :	N/A	N/A
Disk area, ft (m) :	N/A	N/A
Disk loading, lbs/ft ² (kg/m ²) :	0 kgs/m ²	0 kgs/m ²
Power loading, lbs/shp (kg/kW) :	1.34 kgs/kw	N/A
Blade folding :	YES	YES

VII DIMENSION, EXTERNAL

Length, fuselage, ft (m) : 41.70 (12.71)
 Length, T/R turning, ft (m) : 41.70 (12.71)
 Length, both turning, ft (m) : 46.91 (14.30)
 Widht, fuselage, ft (m) : 11.42 (3.48)
 Widht, widest point, ft (m) : 11.42 (3.48)
 Widht, landing gear, ft (m) : 6.23 (1.90)
 Height, top, rotor hub, ft (m) : 11.96 (3.65)
 Height, top, tail fin, ft (m) : 14.27 (4.35)
 Height, top, T/R arc, ft (m) : 14.27 (4.35)
 Gr clearance, fuselage, ft (m) : N/A N/A
 Gr clearance, T/R, guard, ft (m) : N/A N/A

VIII. DIMENSION, INTERNAL

	Cabin	Baggage
Lengt, max, ft (m) :	N/A	N/A
Widht, max, ft (m) :	N/A	N/A
Height, max, ft (m) :	N/A	N/A
Volume, ft ³ (m ³) :	6.66 M ³	2.49 M ³

IX. WEIGHTS

Max gross, lbs (kg) : 10.695 (4850)
 Empty, std acft, lbs (kg) : 5573 (2528)
 Useful load, lbs (kg) : 5119 (2327)
 Useful, with full fuel, lbs (kg) : 2831 (1284)
 External load, lbs (kg) : 3527 (1600)
 Gross with ext load, lbs (kg) : 10.692 (4850)
 Empty Weight (last report) : **3119.93 (16-Jun-14)**

X. RANGE

Max fuel, nm (km) : 516 (956)
 Max fuel, nm (km) : 648 (1201)
 Aux fuel, no res, nm (km) : 779 (1443)
 Endurance, std fuel, no reserves : ... 4.5 hrs.

XI. FUEL CAPACITY

	Liters	Lbs
Standard tank (2 groups) :	1.257	2.189
Aux fuel tank :	180	313
Ferrying fuel tank :	460	801

XII. PERFORMANCE

	feet	meter
Service ceiling, ft (m) :	16.765	5110
S/C OEI, ISA, ft (m) :	N/A	N/A
S/C OEI, ISA+20°C, ft (m) :	N/A	N/A
HIGE, ft (m) :	6210	1893
HIGE, ISA + 20° C, ft (m) :	3165	965
HOGF, ft (m) :	2840	866
HOGF, ISA + 20° C, ft (m) :	N/A	N/A
ROC, oblique, fpm (m/min) :	N/A	N/A
ROC, vertical, fpm (m/min) :	N/A	N/A
ROC, OEI, fpm (m/min) :	N/A	N/A
Econ cruise, S/L, (km/hr) :	143 kts	265 km/hr
Vne, (km/hr) :	175 kts	324 km/hr

XIII. INSPECTION/COMPONENT SATUS

: See attached

XIV. A/C DIMENSION (LAYOUT)

: See attached

XV. AVIONIC'S

	Type or P/N
VHF-AM :	Dual Collins 422A
Control Box :	ICS Team TB31 with 2 control boxes CP1976
Transponder :	Collins TDR94D-007 with flight ident cap No.1
ADF :	Collins ADF 462
Radio Altimeter :	Thales AHV 16
DME :	Collins DME 42
VOR/ILS :	Dual Collins VIR 432
HF/SSB :	HF AIR 100
Weather Radar :	RDR 2000
TCAS/TAS :	Ryan 9900 BX (3" display)
GPS :	Freeflight TNL 2101 I/O approach
SAR Homer :	Chelton with stand alone indicator
Healt Function :	HUMS
CVR/FDR :	Solid State CVFDR combi (2 hrs CVR + 10 hrs FDR)
UMS :	Complement of SSCVFDR
EGPWS :	Honeywell MK XXII with dedicated with TRA 45A ind.
Crew Head Sets :	Dual Silec 4449-1
PA :	NAT AA20-431 with 6 loudspeakers
Skytrac :	GPS Flight Following System

XV. STANDARD AIRCRAFT, GENERAL & SPECIFIC MISSION EQUIPMENTS

- Additional Anti Corrosion-Protection
- Improved Soundproofing (B166)
- Fuzz Burner System on Engine lubrication
- First Aid Kit
- Windshield Washer
- White Tail Anti Collision Strobe Light
- Emergency Floatation Gear, 4ea
- Life Raft type SR10, (2X10 person)
- Auto Deployable ELT HR Smith Series 503
- Under Water Beacon, Ducane DK100/120
- Helicopter Emergency Egres Lighting (HEEL)
- Life Jackets for Crew & Pax.

MAJOR LIMIT COMPONENTS

Aircraft Type : **EC155B1**
 Manufacture Date : **Oct-07**
 Registration No. : **PK-TPD**
 Serial No. : **6784**
 Configuration : **Utility**

Times as of : **22-Oct-14**
 Aircraft T.T : **5207:36**
 A/C Landings : **17512**
 Engine Type : **Arriel-2C2**
 Engine Mfg. : **Turbomeca**

Inspection/Component Description	Part Number / Serial Number	Interval	Remaining Hours	Due at
100 Hours Inspection		100 hrs	4635.2	4852.2
600 Hours "T" Insp.		600 hrs	5135.2	5352.2
1200 Hours "2T" Insp.		1200 hrs	5735.2	5952.2
3000 Hours "5T" Insp.		3000 hrs	5771.5	5988.5
6000 Hours / Major Inspection		6000 hrs	5783.0	6000.0
Main Gear Box	365A32-9001-00N 2048	1800	TBO	6128.2 6345.2
Main Rotor Head	365A31-4500-06M M216	N/A	O/C	N/A N/A
Main Rotor Blade	365A11-0080-00 1025	10000	RTL	9866.8 10083.8
	365A11-0080-00 1035	10000	RTL	9866.8 10083.8
	365A11-0080-00 1037	10000	RTL	9866.8 10083.8
	365A11-0080-00 1039	10000	RTL	9866.8 10083.8
	365A11-0080-00 1043	10000	RTL	9866.8 10083.8
Main Rotor Shaft	365A31-4521-07 M163	7850	RTL	7716.8 7933.8
Tail Rotor Head	365A33-3502-01 M509	N/A	O/C	N/A N/A
Tail Rotor Gear Box	365A33-6005-08Q M1084	2400	TBO	4577.9 4794.9
Tail Rotor Servo	SC7291 032	3000	TBO	5771.5 5988.5
Main Rotor Servo	SC8037-1 158	3000	TBO	5708.3 5925.3
Main Rotor Servo	SC8037-1 33	3000	TBO	5365.7 5582.7
Main Rotor Servo	SC8037-1 45	3000	TBO	5757.4 5974.4
Engine	ARRIEL-2C2 26112	N/A	LLP	N/A N/A
	ARRIEL-2C2 26058	N/A	LLP	N/A N/A
	L/H 26112		R/H 26058	
Engine Accessories	S/N TBO Remaining		S/N TBO Remaining	
Pump & Metering Valve	224TEC 3000 1960.3	195TEC 3500 585.5		
Gear Acc Mod.1	04903 3500 2460.3	1308 3500 1807.9		
Axial Comp.Mod.2	06913 3500 2460.3	1316TEC 3500 1807.9		
Gas Gen.Mod.3	08703 3500 2460.3	1061 3500 623.9		
Turbin Free Mod.4	07127 3500 2460.3	1301TEC 3500 1807.9		
Gear Reduct.Mod.5	09203 3500 2460.3	1915 3500 3253.9		