



EUROCOPTER
AS350 B2

**Technical
Data**

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Manufacturers notice

Attention !

Eurocopter's policy is one of on-going product enhancement which means that alterations in definition, pictures, weights, dimensions or performance may be made at any time without notice being included in those documents that have already been issued.

This document cannot thus be taken as an offer or serve as an appendix to a contract without a prior check as to its validity and prior written agreement of EUROCOPTER.

The operational or certification regulations, as defined by the local authorities, can make compulsory the installation of some of the equipment and recommended solutions, listed in this document. This list does not claim to cover the whole of the worldwide operational requirements nor the equipment not specifically related to the helicopter (for example : life jacket) or necessary for particular missions (for example : supplemental oxygen). The operator is responsible for ascertaining with his local authorities that the planned configuration of the helicopter complies with regulatory requirements for the area(s) of operations and the type(s) of mission(s) considered.

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For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.*

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1 - Foreword



The single engine AS 350 B2, powered with a TURBOMECA ARRIEL 1D1 engine of 732 shp (546 kW) has proven track record. Its flexibility and low acquisition cost has made it a very sought-after helicopter to perform a wide range of missions :

- *passenger transport,*
- *aerial work,*
- *observation,*
- *fire fighting,*
- *...*

This aircraft is specially known for its passenger transport activity such as business and tourist flights. Its spacious and comfortable cabin can accommodate up to 7 passengers. Its wide cabin with panoramic view ensures optimum visibility for all the passengers and the crew. The AS 350 B2 is also an excellent utility helicopter able to carry under-slung loads of more than 1 ton (2,200 lb). Thanks to its high useful load, it is well suited to all missions requiring various mission equipment for police, medical transport and/or utility operations. A single aircraft is able to complete various missions even in the same day thanks to its very short reconfiguration time (less than one hour).

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2- General Characteristics

Lay-Out

- **Passenger-transport**
 - 1 pilot + 5 passengers in standard version
 - 1 pilot + 4 or 5 passengers in "comfort" version
 - 1 pilot + 6 passengers in "high density" version
- **Casualty-evacuation**
 - 1 pilot + 1 or 2 stretcher patients + 2 doctors
- **Cargo carrying**
 - 1 pilot + 3 m³ (105.9 ft³) load in cabin

Weights

Note : Empty weight accuracy : within $\pm 2\%$

	kg	lb
■ Empty weight, standard aircraft (including engine oil and unusable fuel)	1,220 ¹	2,690
■ Useful load	1,030	2,270
■ Maximum all-up weight	2,250	4,960
■ Maximum cargo-swing load	1,160	2,557
■ Maximum all-up weight in external load configuration	2,500	5,512

Power plant

1 TURBOMECA ARRIEL 1D1 turbine engine

Engine ratings

Thermodynamic Power, in standard atmosphere, at sea level :

	kW	ch	shp
■ Take-off power	546	742	732
■ Maximum continuous power	466	634	625

Usable Fuel capacities

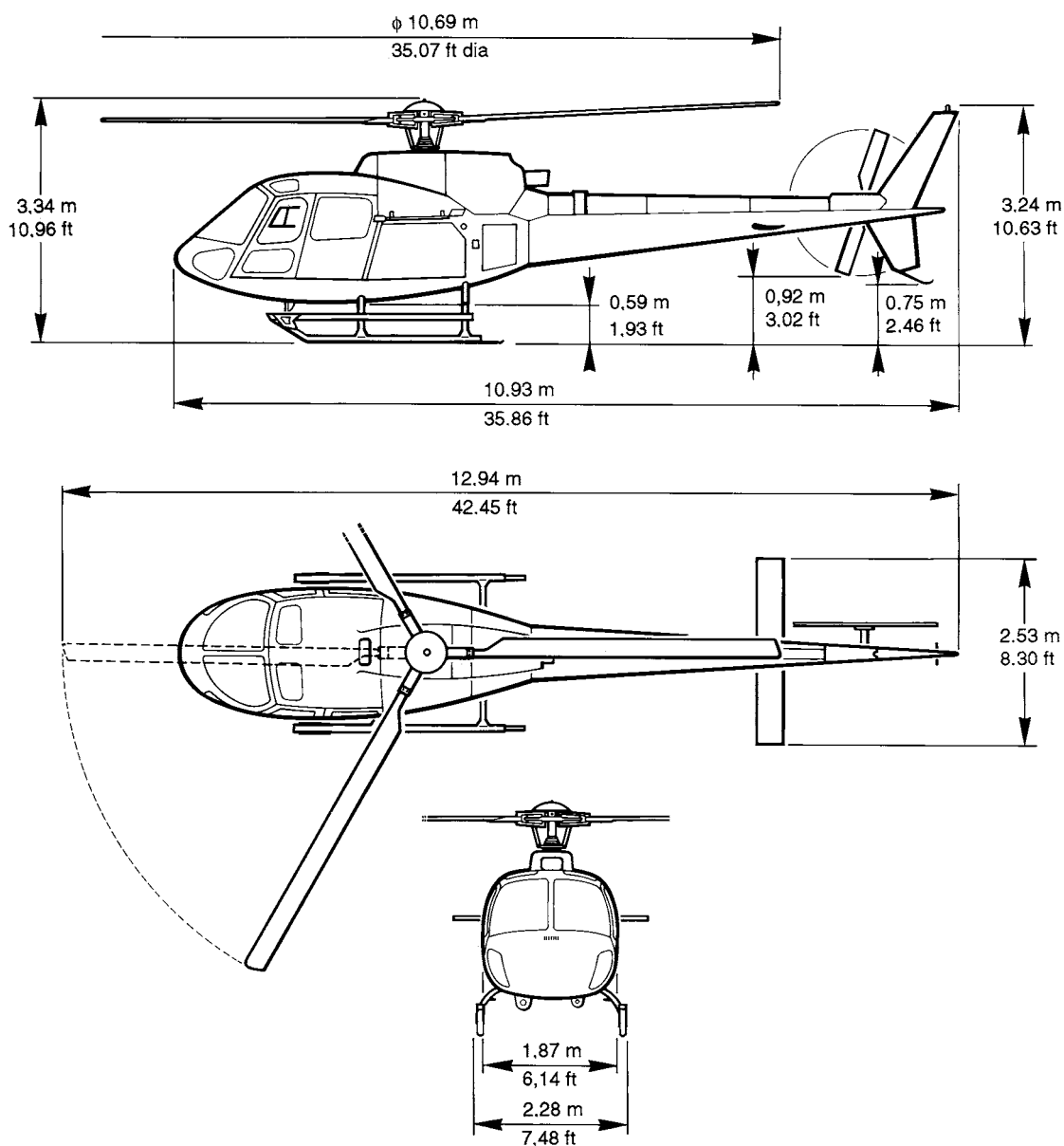
	litres	US gal.	kg	lb
■ Standard fuel tank	540	143	426	939
■ Auxiliary fuel tank (option)	475	125	375	827

¹ Refer to pages 8 to 10 for features included in standard aircraft weight.

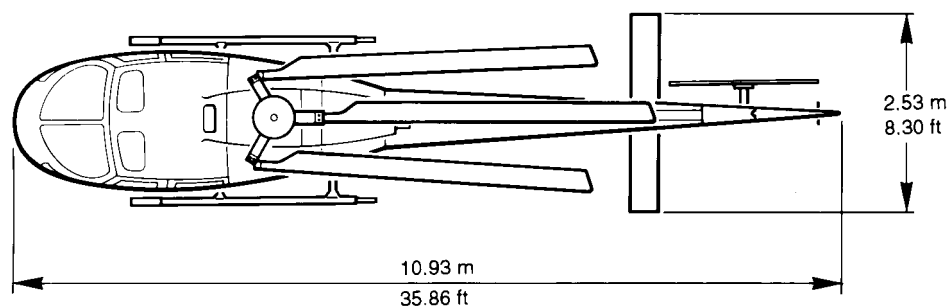
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Main dimensions



Dimensions with blades folded



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Configurations



Standard lay-out

**Internal cargo
load transport
lay-out**

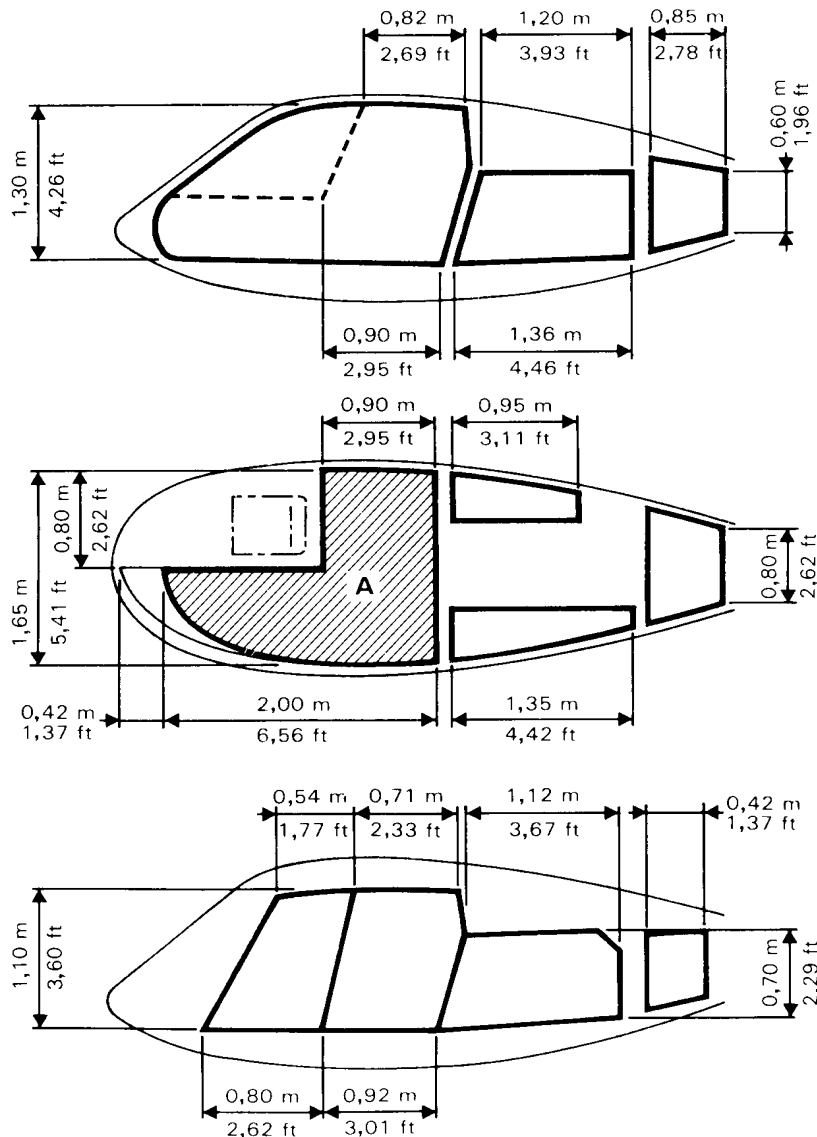


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Dimensions of compartments and accesses

Cabin main dimensions



CABIN

Surface	2.60 m ²
A	27.98 ft ²
Volume	3.000 m ³
	105.94 ft ³

LH HOLD

Surface	0.43 m ²
	4.62 ft ²
Volume	0.235 m ³
	8.29 ft ³

RH HOLD

Surface	0.35 m ²
	3.76 ft ²
Volume	0.200 m ³
	7.06 ft ³

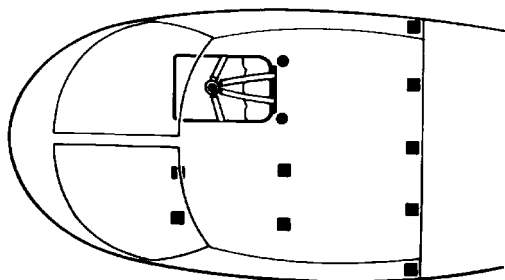
REAR HOLD

Surface	0.55 m ²
	5.92 ft ²
Volume	0.565 m ³
	19.95 ft ³

TOTAL HOLDS

Surface	1.33 m ²
	14.3 ft ²
Volume	1.000 m ³
	35.30 ft ³

Cabin floor



- Pilot's safety belt attachment and freight-tie-down rings
- Passenger safety belt or freight tie-down rings

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Other characteristics

TURBOMECA ARRIEL 1D1 turbine engine



- 732 shp (546 kW) take-off power
- Mechanical governor
- Modular design
- Fully proven and reliable

STARFLEX ROTOR HEAD



- Extensive use of composite material
- Corrosion immunity
- Impact resistance
- Easier servicing
- "On condition" maintenance

Versatility enhancement

Since year 2001, EUROCOPTER leads a policy of enhancement of the standard definition of the helicopter ECUREUIL in order to improve its versatility.

A first stage saw the ECUREUIL single-engined aircraft being equipped with general equipment and capabilities for mission equipment, most usually selected by the operators.

The second stage extends into 2003 the "Ready to fly" concept of the last-born child of the family the EC130B4 to the whole of the ECUREUIL single-engined aircraft. Consequently, a helicopter in standard definition can operate in flight VFR day and night in the majority of the countries.

A set of instruments and radiocommunication / radionavigation equipment is thus integrated in the standard definition since 2003 and includes :

- | | |
|--------------------------------|--------------------------------|
| ■ 1 Gyro-horizon | ■ 1 VHF/VOR/LOC/GS/GPS |
| ■ 1 Gyro-directional | ■ 1 Transponder (mode A+C) |
| ■ 1 Turn and bank indicator | ■ 1 Altitude encoder |
| ■ 1 VHF/VOR/LOC/GS | ■ 1 ELT (2 frequencies) |
| ■ 1 Course Deviation Indicator | ■ 1 ICS + passenger interphone |

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3- AS 350 B2 ECUREUIL - Standard Aircraft Definition

The helicopter in the definition, presented hereafter, is approved to operate by day and night in VFR conditions by the following airworthiness authorities : DGAC, LBA, ENAC, CAA, FAA, TC. This list is not restrictive and the status of approval by other airworthiness authorities must be checked.

GENERAL

- Fuselage comprising the cabin and 3 luggage holds, with floor, tie-down nets and access doors
- Tail boom with stabilizer, anti-torque rotor and fin
- High skid landing gear capable of taking handling wheels with long footsteps (on right side and on left side)
- Lifting points
- Upper mooring fixtures
- Structural reinforcements for wire strike protection system
- Capabilities for :
 - LH landing-light (swivelling in elevation and azimuth)
 - cargo swing
 - 2nd battery kit
 - hourmeter
 - electric external mirror
 - electrical hoist
 - front energy-absorbing seats
- External paint : fuselage according to standard paint schemes. Unless modified by optional item, the main rotor head cover and the skid landing gear are painted in grey.
- Internal paint : grey

CABIN

- Cabin floor in light-alloy sheet-metal with tie-down rings
- 2 pilot and copilot high-back seats, adjustable in reach, removable, complete with cushions, safety belts and dual-strap shoulder harnesses
- 2 two-place rear bench-seats, foldable separately, complete with cushions, safety belts and single-strap shoulder harnesses
- 2 pilot and copilot jettisonable doors each fitted with a sliding window and with improved side-visibility window
- Rear right door-extension for passengers and cargo
- 1 rear left sliding door
- 2 tinted upper panes
- 1 double-wall ceiling housing the ventilation and air conditioning ducts
- Fixed parts for pilot and copilot windshield wipers
- 1 pilot map case
- Demisting system for pilot and copilot front panes
- Cabin heating
- 1 fire-extinguisher
- Flight Manual
- Interior harmony according to design in force

INSTRUMENTS

- 1 airspeed indicator
- 1 altimeter
- 1 rate-of-climb indicator
- 1 torquemeter
- 1 rotor and free turbine tachometer dual indicator
- 1 free turbine temperature indicator (T4)
- 1 engine oil temperature indicator
- 1 engine oil pressure indicator
- 1 gas generator tachometer with Ng limit variation indicator
- 1 fuel gauge
- 1 fuel pressure indicator
- 1 ammeter
- 1 voltmeter
- 1 clock
- 1 warning panel
- 1 OAT indicator on canopy
- 1 magnetic compass
- 1 heated pitot head

AVIONICS

- 1 gyro-horizon
- 1 gyro-directional
- 1 turn and bank indicator
- 1 VHF/VOR/LOC/GS
- 1 course deviation indicator
- 1 VHF/VOR/LOC/GS/GPS
- 1 Transponder (mode A+C)
- 1 Altitude encoder
- 1 emergency locator transmitter (2 frequencies)
- 1 ICS + passenger interphone

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POWER PLANT

- 1 Turboméca ARRIEL 1D1 546 kW (742 ch - 732 shp) turbine engine complete with starting, fuel supply and governing systems, and fitted with a magnetic plug and a chip detector
- 1 fuel system including 1 tank of 540 litres (143 US gal.) total capacity
- 1 engine lubrication and oil cooling system
- 1 fire detection system
- 1 air-intake screen
- 1 torque-measurement pick-up
- Capabilities for sand-filter

TRANSMISSION SYSTEM

- 1 main gearbox, anti-vibration mounted, with oil sight gauge, chip detector, oil temperature and pressure switches, port for endoscope and self-sealing valve for oil sampling and draining
- 1 main gearbox oil cooling system
- 1 engine to main gearbox coupling shaft
- 1 rotor brake
- 1 main rotor r.p.m. sensor and high and low r.p.m warning device
- 1 tail drive carried by five anti-friction bearings
- 1 tail gearbox with oil sight gauge, chip detector and port for endoscopic inspection

ROTORS AND FLYING CONTROLS

- 1 main rotor with 3 composite-material blades around a Starflex head fitted with spherical thrust bearings
- 1 anti-torque rotor with 2 composite-material blades
- 3 main rotor hydraulic servo units
- 1 tail rotor hydraulic servo unit and a load compensator

ELECTRICAL INSTALLATION

- 1 4.5 kW, 28 V DC starter-generator
- 1 15 amp. hr cadmium-nickel battery
- 1 ground power receptacle
- 3 position lights
- 1 flashing anti-collision light
- 2 fixed landing light
- 2 cabin dome lights
- 1 instrument-panel lighting system
- 1 control panel with fuses panel
- 1 28 V DC cabin power outlet

AIRBORNE KIT (*)

- 1 pitot head cover
- 2 static port stoppers
- 1 engine air-intake blanking cover
- 1 tail-pipe plug
- 2 ground handling bogies c/w hydraulic jacking system
- 1 GWH modification kit
- 1 lifting ring
- 2 upper mooring rings
- 3 main-blade socks
- 1 tail rotor locking device
- 1 document holder
- 1 airborne kit stowage bag

(*) (weight not included in standard aircraft empty weight)

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4- Optional equipment

Note : value of the weight breakdown is given for information and shall not be considered as contractual.

General equipment

Document reference	Commercial reference	Name	kg	lb
05-01018-A	05-01018-01-CI	C.A.A. certification kit 1	3.0	6.6
05-02004-A	05-02004-00-CI	Extra-charge for customized external paint - level 1 2	4.0	8.8
05-02005-A	05-02005-00-CI	Extra charge for customized external paint - level 2 3	4.0	8.8
05-02006-A	05-02006-00-CI	Extra-charge for customized external paint, apart from levels 1 and 2 4	On request	
05-21003-A	05-21003-00-CI	Wire strike protection 5	7.0	15.4
05-23003-A	05-23003-00-CI	Engine flushing device without removal of cowlings	0.8	1.8
05-24003-A	05-24003-00-CI	High visibility main rotor blades	0.1	0.2
05-24004-A	05-24004-00-CI	Tail rotor arch	1.5	3.3
05-25003-A	05-25003-01-CI	Sand prevention filter, dynamic type 6 - 7	7.4	16.3
05-25006-A	05-25006-00-CI	Re-inforced sand-erosion protection strip on main rotor blades	0.2	0.4
05-25007-A	05-25007-00-CI	Re-inforced sand-erosion protection strip on tail rotor blades	0.1	0.2
05-28001-A	05-28001-00-CI	Protective lower cowlings	On request	
05-31003-A	05-31003-00-CI	Tinted window for standard and optional configuration	0.0	0.0
05-31004-A	05-31004-01-CI	Bulged window on copilot front door (LH side) 8	-0.5	-1.1
05-31004-A	05-31004-02-CI	Bulged window on right rear door	0.1	0.2
05-31004-A	05-31004-03-CI	Bulged window on left rear door	0.1	0.2
05-31007-A	05-31007-00-CI	Large cabin floor window (right side) 9	3.2	7.1
05-32001-A	05-32001-00-CI	Pilot's windshield wiper	2.6	5.7
05-32003-A	05-32003-00-CI	Copilot's windshield wiper	2.6	5.7

- 1** These extras cover in particular the following item of optional equipment : LH landing-light (swivelling in elevation and azimuth).
- 2** Paint scheme comprising a basic shade and 2 or 3 additional shades, with straight separation lines, apart from standard paint schemes.
- 3** Paint scheme comprising a basic shade and up to 3 additional shades, with separation lines not straight or tangled up, with graduated shades or complicated emblem or logo to be hand-painted.
- 4** Sophisticated paint scheme with numerous shades, complex graduated shades, or complicated emblem or logo.
- 5** Structural reinforcements are included in standard aircraft.
- 6** The sand-prevention filter lifts the flight limitations in falling snow conditions.
- 7** Capabilities included in standard aircraft.
- 8** Removes the sliding window on copilot front door.
- 9** Removes the standard pilot map case.

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General equipment (continued)

Document reference	Commercial reference	Name	kg	lb
05-37007-A	05-37007-00-CI	Dual controls	2.0	4.4
05-37012-A	05-37012-00-CI	On floor control quadrant protection	On request	
05-37014-A	05-37014-00-CI	Fuel flow twist grip on the pilot and copilot sticks 1	6.5	14.3
05-42002-A	05-42002-00-CI	Air conditioning system 2	61.3	135.1
05-61007-A	05-61007-00-CI	2nd battery kit 3	17.0	37.5
05-62001-A	05-62001-00-CI	250 VA AC generation system	4.3	9.5
05-70001-A	05-70001-01-CI	Hydraulic ground power receptacle	1.5	3.3
05-72001-A	05-72001-00-CI	Power take-off on MGB 4	4.0	8.8
05-82016-A	05-82016-00-CI	Fuel tank self-sealing protection	15.6	34.4
05-84001-A	05-84001-00-FP	Ferrying tank - Fixed Parts	0.3	0.7
	05-84001-00-RP	Ferrying tank - Removable Parts	27.6	60.8
05-85002-A	05-85002-00-CI	Remaining fuel flowmeter	2.1	4.6
05-92001-A	05-92001-00-FP	Folding of main rotor blades - Fixed Parts 5	1.8	4.0
	05-92001-00-RP	Folding of main rotor blades - Removable Parts 6	not applicable	
05-93001-A	05-93001-00-CI	Mooring kit (ground or ships) 7	0.8	1.8
05-93002-A	05-93002-00-CI	Marine gripping system	1.0	2.2

Specific mission equipment

06-11008-A	06-11008-00-CI	SURFAIR Skis 8	27.0	59.5
06-11012-A	06-11012-00-CI	Settling protectors	4.1	9.0
06-11017-A	06-11017-00-CI	Skid wearing plates	1.3	2.9
06-12011-A	06-12011-01-CI	Low skid landing gear with 2 single footsteps 9	-16.9	-37.3
06-12012-A	06-12012-01-CI	Low skid landing gear with 2 short footsteps 9 - 10	-9.0	-19.8
06-12014-A	06-12014-01-CI	High skid landing gear with 2 short footsteps 9 - 11	-0.9	-2.0

- 1** *Implies the fitting of Dual controls (copilot's controls remaining removable if necessary).*
- 2** *Available : cycle + 2 months.*
- 3** *Recommended for start-up in cold weather.*
- 4** *Availability = cycle + 8 months.*
- 5** *For rough weather conditions.*
- 6** *The removable parts are delivered as Ground Support Equipment. Tool weight = 32.2 kg - 71 lb.*
- 7** *Recommended for transport by land, air and sea (when not in a container).*
- 8** *This optional 06-11008-00-CI "SURFAIR skis" implies the fitment of the one of the available types of landing gear : 06-12011-01-CI or 06-12012-01-CI or 06-12014-01-CI.*
- 9** *Replaces the standard type of landing gear.*
- 10** *Incompatible with optional item 06-61002-00-FP "Emergency floatation gear - Fixed Parts".*
- 11** *Mandatory when the optional items 06-11008-00-CI "Skis SURFAIR" or the optional item 06-81005-00-CI "Crop-Spraying installation, SIMPLEX 5100" are selected.*

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Specific mission equipment (continued)

Document reference	Commercial reference	Name	kg	lb
06-21001-A	06-21001-00-FP	AIR EQUIPEMENT electrical hoist (136 kg - 300 lb, 40 m – 131 ft cable) - Fixed Parts	2.4	5.3
	06-21001-00-RP	AIR EQUIPEMENT electrical hoist (136 kg – 300 lb, 40 m – 131 ft cable) - Removable Parts	37.5	82.7
06-24001-A	06-24001-00-CI	Rappelling installation (without rope) 1	3.2	7.1
06-25001-A	06-25001-00-CI	Drip tub (sea rescue) 2	-0.8	-1.8
06-26003-A	06-26003-00-CI	RH side external mirror 3	2.9	6.4
06-26004-A	06-26004-00-CI	RH side electric and de-iced external mirror 3	2.8	6.2
06-27004-A	06-27004-00-FP	Cargo sling with dynamometer (750 kg - 1,654 lb) - Fixed Parts	3.1	6.8
	06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) - Removable Parts	3.2	7.1
06-27009-A	06-27009-00-CI	Capabilities for extended cargo sling	1.2	2.6
06-27018-A	06-27018-00-FP	Cargo swing with dynamometer (1,160 kg - 2,557 lb) - Fixed Parts 4	4.0	8.8
	06-27018-00-RP	Cargo swing with dynamometer (1,160 kg - 2,557 lb) - Removable Parts 5	14.5	32.0
06-31005-A	06-31005-00-CI	Integrated hailers 6	11.0	24.3
06-42005-A	06-42005-00-CI	LH landing light (swiveling in elevation and azimuth)	2.5	5.5
06-47002-A	06-47002-01-FP	Spectrolab SX 16 search-light - Fixed Parts	On request	
	06-47002-01-RP	Spectrolab SX 16 search-light - Removable Parts	On request	
06-47003-A	06-47003-00-CI	Infra Red filter for SPECTROLAB SX-16 search-light 7	3.0	6.6
06-61002-A	06-61002-00-FP	Emergency floatation gear - Fixed Parts	5.4	11.9
	06-61002-00-RP	Emergency floatation gear - Removable Parts	64.1	141.3
06-81004-A	06-81004-00-CI	Fire-fighting installation, SIMPLEX 310 system, 1000 liters or 1200 liters 8	Refer to SIMPLEX	
06-81005-A	06-81005-00-CI	Crop-spraying installation, SIMPLEX 5100 system 4 - 8 - 9	Refer to SIMPLEX	

- 1** Implies the fitting of rear sliding door on both sides.
- 2** The weight figure includes the removal of the cushions of the two standard two-place rear bench-seats and seat belts (bench seats folded).
- 3** Recommended for sling/swing work.
- 4** Incompatible with the optional item 06-12011-01-CI "Low landing gear with 2 single footsteps" or 06-12012-01-CI "Low skid landing gear with 2 short footsteps".
- 5** With Onboard Systems TALON hook.
- 6** Incompatible with the optional item 06-61002-00-FP "Emergency floatation gear - Fixed Parts".
- 7** The filter is not remotely controlled retractable.
- 8** SIMPLEX is responsible for the conformity, performance and certification of the installation on the helicopter.
- 9** Implies the fitting of the optional item 06-12014-01-CI "High skid landing gear with 2 short footsteps".

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Interior cabin layout

Document reference	Commercial reference	Name	kg	lb
07-00008-A	07-00008-00-CI	Comfort layout	33.0	72.8
07-00010-A	07-00010-00-CI	Comfort lay-out with sound-proofing	47.0	103.6
07-00012-A	07-00012-00-CI	"Executive" lay-out 1	60.0	132.3
07-00019-A	07-00019-00-CI	Alternate fabrics for seats	On request	
07-00020-A	07-00020-00-CI	Leather upholstery for seats 2	On request	
07-15010-A	07-15010-00-CI	Energy-absorbing front seats	3.0	6.6
07-15010-A	07-15010-01-CI	Lengthened rails for energy-absorbing front seats 3	2.0	4.4
07-24003-A	07-24003-00-FP	Left side two-place front bench seat (pilot on right side) – Fixed Parts	2.0	4.4
07-24003-A	07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	3.2	7.1
07-25001-A	07-25001-00-CI	3 places instead of 4 places transformation kit 4	4.4	9.7
07-40003-A	07-40003-00-CI	Velvet carpeting 2	On request	
07-40004-A	07-40004-00-CI	Washable floor covering	On request	
07-50002-A	07-50002-02-CI	Improved side-visibility in LH large front door 5	3.0	6.6
07-50004-A	07-50004-00-CI	Left rear hinged door instead of the standard one 6	-6.4	-14.1
07-50005-A	07-50005-00-CI	Right rear sliding door 7	3.4	7.5
07-50006-A	07-50006-00-CI	Sliding window, on rear LH sliding door	1.1	2.4
07-50007-A	07-50007-00-CI	Sliding window, on rear RH sliding door	1.1	2.4
07-70013-A	07-70013-00-CI	EMS kit (AAT) 8	Refer to AAT	
07-71001-A	07-71001-00-FP	Lower casualty carrying installation with stretcher - Fixed Parts	0.3	0.7
	07-71001-00-RP	Lower casualty carrying installation with stretcher - Removable Parts 9	-4.5	-9.9
07-71003-A	07-71003-00-FP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue - Fixed Parts	1.3	2.9
	07-71003-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue - Removable Parts 9	-4.5	-9.9
07-71005-A	07-71005-00-FP	Upper casualty carrying installation with stretcher - Fixed Parts	0.5	1.1
	07-71005-00-RP	Upper casualty carrying installation with stretcher - Removable Parts 9	-2.9	-6.4

- 1** The optional item 07-15010-00-CI is mandatory when is selected the optional item : 06-27018-00-FP "Cargo swing - Fixed Parts".
- 2** Option available for the optional items 07-00008-00-CI "Comfort lay-out" and 07-00010-00-CI "Comfort lay-out with sound-proofing".
- 3** Requires the selection of the optional item 07-15010-00-CI "Energy-absorbing front seats".
- 4** Including mainly 4 arm-rests and a fifth harness.
- 5** Requires the selection of the optional item 07-50004-00-CI "Left rear hinged door instead of the standard one".
- 6** A large front door with map case replaces the standard small front door with improved side-visibility.
- 7** Improved side-visibility in the corresponding front door included in the optional equipment.
- 8** Air Ambulance Technology (AAT) is responsible for the conformity, performance and certification of the ambulance installation on the helicopter.
- 9** Each weight figure includes the complete removal of one two-place rear bench seat and copilot seat. When the removable parts of lower and upper casualty carrying installations are installed simultaneously, the total weight supplement for both removable parts is 12.8 kg – 28.2 lb.

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Avionics

VFR day and night Package, included in standard definition

Thales H 321 EHM - Gyro-horizon **1**
 AIM 205-1 BL - Gyro-directional
 UI 9560 - Turn and Bank indicator
 Honeywell KX165A - VHF/VOR/LOC/GS
 Garmin GI106A - Course Deviation Indicator
 Garmin GNS 430 - VHF/VOR/LOC/GS/GPS **2**
 Garmin GTX 327 - Transponder (mode A+C)
 Shadin 8800 T - Altitude Encoder
 Kannad 121 AF-H - Emergency Locator Transmitter **3**
 Garmin GMA340H - ICS **4-5**

Equipment that can replace a standard equipment

Document reference	Commercial reference	Name	kg	lb
06-67031-A	06-67031-00-CI	KANNAD 406 AF-H - Emergency Locator Transmitter 6-7 instead of KANNAD 121 AF-H - Emergency Locator Transmitter	0.1	0.2
08-22019-A	08-22019-00-CI	Garmin GTX 330 - Transponder (mode S) 7-8 instead of Garmin GTX 327 - Transponder (mode A+C)	0.6	1.3
08-51018-A	08-51018-00-CI	Thales H 140 - Gyro-horizon instead of Thales H 321 EHM - Gyro-horizon	0.6	1.3
08-51019-A	08-51019-00-CI	Thales H 321 EHM - Stand-by gyro-horizon instead of UI 9560 - Turn and Bank indicator	3.0	6.6
08-52012-A	08-52012-00-CI	Honeywell KCS 55 A - Gyro Compass 9 with Honeywell KI 525A - Horizontal Situation Indicator instead of AIM 205-1 BL - Gyro-directional and Honeywell GI106A - Course Deviation Indicator	1.7	3.7

The standard aircraft definition includes an avionics package as defined hereabove. Brands and models are given for information exclusively. EUROCOPTER reserves the rights to modify any brand or model constantly according to its policy in force.

- 1** With slip indicator included when the Turn and Bank indicator is replaced by the stand-by gyro-horizon.
- 2** Delivered with EUROPE map. Subscription to be made by the customer.
- 3** 2 frequencies : 121.5 MHz, 243 MHz. Compliant with ED 62 and TSO C91A.
- 4** Includes the passenger interphone function.
- 5** I.C.S. compatible only with High level / High impedance headsets.
- 6** 3 frequencies : 121.5 MHz, 243 MHz, 406 MHz. Compliant with ED 62 and TSO C91A.
The Programming Data Sheet must be filled and communicated by the customer two months at the latest before the helicopter's delivery.
- 7** May be a mandatory equipment, required by local airworthiness authorities.
- 8** The mode S identification must be communicated by the customer two months at the latest before the delivery.
- 9** With a selector switch for NAV1/NAV2 selection.

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Additional equipment that can be added depending on operational needs or the requirements of the authorities in certain countries if not included in the standard package

<i>Document reference</i>	<i>Commercial reference</i>	<i>Name</i>	<i>kg</i>	<i>lb</i>
08-10007-A	08-10007-00-CI	Honeywell - KHF 950 - HF/SSB	18.2	40.1
08-18011-A	08-18011-00-CI	David Clark - H 10-36 - Headset 1	0.5	1.1
08-18024-A	08-18024-00-CI	Electrical extension	0.1	0.2
08-18025-A	08-18025-00-CI	Elnor FPH600 - Helmet	1.0	2.2
08-21002-A	08-21002-00-CI	Thales AHV 16 - Radio altimeter	5.0	11.0
08-24011-A	08-24011-00-CI	Honeywell KR 87 - ADF 2	3.5	7.7
08-25003-A	08-25003-00-CI	Honeywell KN 63 - DME	4.3	9.5
08-25017-A	08-25017-00-CI	2nd indicator for Honeywell KN 63 - DME	0.4	0.9
08-46001-A	08-46001-00-CI	GPS moving map 3	On request	
08-61004-A	08-61004-00-CI	Honeywell KI 229 - Radio Magnetic Indicator 4	2.7	6.0
08-61008-A	08-61008-00-CI	Honeywell KI 227 - ADF Indicator 5	0.3	0.7
08-70003-A	08-70003-00-CI	SFIM 85 T 31 - 3-Axis autopilot with failure passivation unit 6	30.0	66.1
08-91004-A	08-91004-00-CI	Hourmeter	0.1	0.2

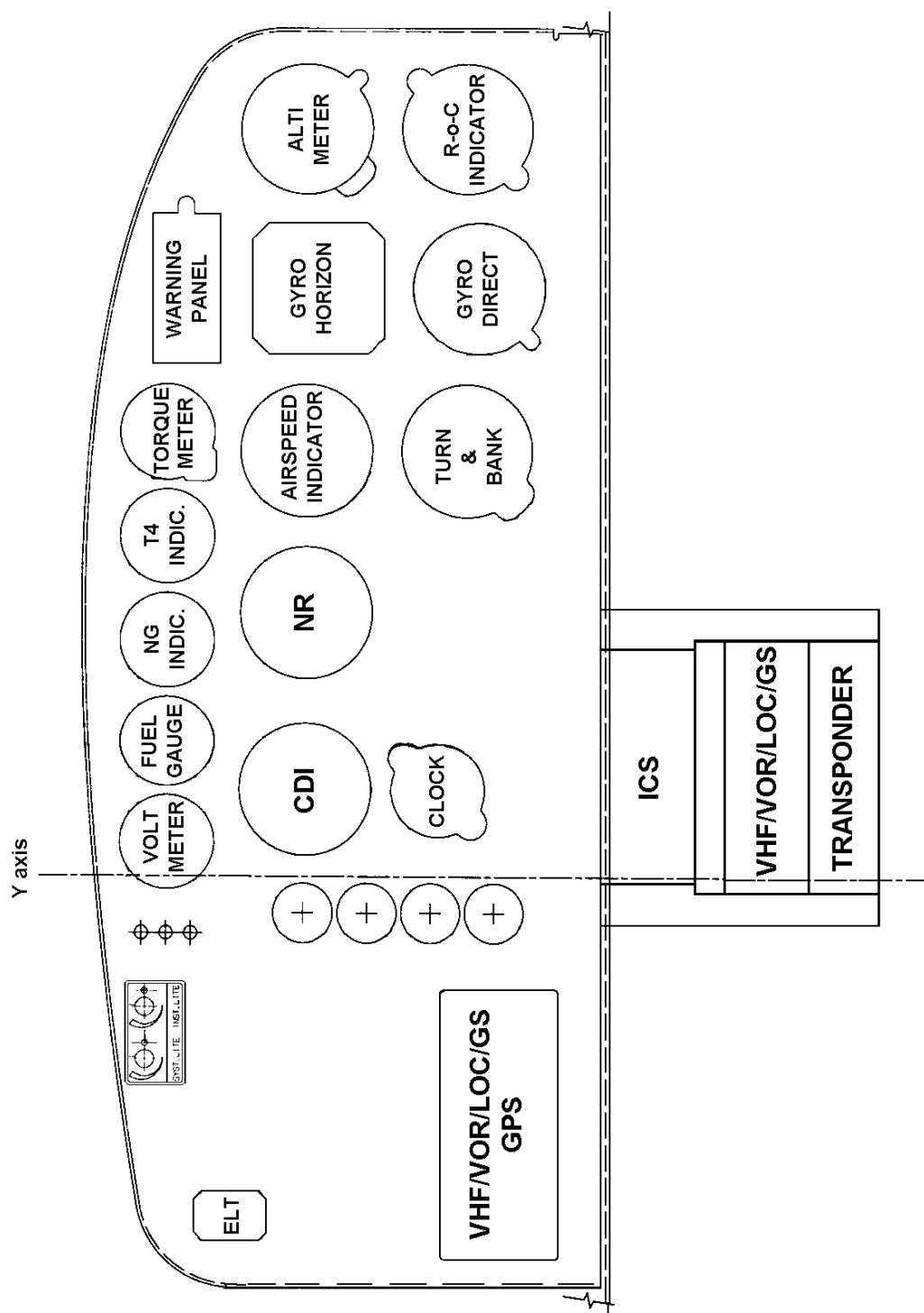
The radio/com/nav. equipment weight figures included in this chapter are average values. As the installation of those equipment may vary from one a/c to another, the weight of a complete configuration with multiple items may not be the simple sum of all individual weights.

- 1** High level / High impedance headset.
- 2** Requires the fitting of 08-61008-00-CI "Honeywell KI 227 - ADF Indicator" or 08-61004-00-CI "Honeywell KI 229 - Radio Magnetic Indicator".
- 3** The model currently certified is AVALEX AMS 7000. Other models can be proposed according to customer's operational needs.
- 4** Implies the fitting of Gyro-compass + Horizontal Situation Indicator.
- 5** Replaced by HONEYWELL KI 229 if installed.
- 6** Implies the mandatory fitting of the 250 VA AC generation system, Thales H140 gyro-horizon, Gyro-compass + Horizontal Situation Indicator.

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STANDARD INSTRUMENT PANEL LAY-OUT



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5- Incompatibilities between some items of optional equipment

- Impossibility of simultaneous fitment of the fixed parts of 2 items of equipment
- ▲ Total or partial incompatibility of simultaneous fitment of the removal parts of two items of equipment
- Possibility of simultaneous fitment on the same aircraft, but impossible to use simultaneously

Note: This table indicates the compatibility restrictions existing between the installations. The consultation of EUROCOPTER is necessary for the definitive Equipment Compatibility clearance of a configuration.

Reference Optional	Installation	Nature of the incompatibility		
		■	▲	●
General equipment				
05-01018-00-CI	CAA certification kit	Being studied	Being studied	Being studied
05-24004-00-CI	Tail rotor arch	08-10007-00-CI		
05-32003-00-CI	Copilot windshield wiper	05-42002-00-CI		
05-37007-00-CI	Dual controls		07-24003-00-RP 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	
05-37012-00-CI	On floor control quadrant shield	Being studied	Being studied	Being studied
05-37014-00-CI	Fuel flow twist grip on the pilot and copilot sticks		07-24003-00-RP 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	
05-42002-00-CI	Air conditioning system	05-32003-00-CI	07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	

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Reference Optional	Installation	Nature of the incompatibility		
		■	▲	●
General equipment (continued)				
05-84001-00-RP	Ferrying tank - Removable parts		06-25001-00-CI 07-00008-00-CI 07-00010-00-CI 07-00012-00-CI 07-24003-00-RP 07-25001-00-CI 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	06-21001-00-RP 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI 06-81004-00-CI 06-81005-00-CI
05-93001-00-CI	Mooring kit		06-81004-00-CI 06-81005-00-CI	
Specific mission equipment				
06-11008-00-CI	SURFAIR Skis 1		06-61002-00-RP 06-81004-00-CI 06-81005-00-CI	
06-12011-01-CI	Low landing gear with 2 single footsteps	06-26003-00-CI 06-26004-00-CI 06-27004-00-FP 06-27018-00-FP 06-27009-00-CI 06-81004-00-CI 06-81005-00-CI		
06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-26003-00-CI 06-26004-00-CI 06-27004-00-FP 06-27018-00-FP 06-27009-00-CI 06-61002-00-FP 06-81004-00-CI 06-81005-00-CI		

¹ This optional 06-11008-00-CI "SURFAIR skis" implies the fitment of the one of the available types of landing gear : 06-12011-01-CI or 06-12012-01-CI or 06-12014-01-CI.

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Reference Optional	Installation	Nature of the incompatibility		
		■	▲	●
Specific mission equipment (continued)				
06-21001-00-RP	AIR EQUIPEMENT electrical hoist (136 kg - 300 lb,40 m - 131 ft cable) - Removable parts			05-84001-00-RP 06-24001-00-CI 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI 06-61002-00-RP ¹ 06-81004-00-CI 06-81005-00-CI 07-24003-00-RP 07-25001-00-CI 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP
06-24001-00-CI	Rappelling installation ²			06-21001-00-RP 06-27004-00-RP 06-27018-00-RP 06-61002-00-RP
06-25001-00-CI	Drip tub (sea rescue)		05-84001-00-RP 07-00008-00-CI 07-00010-00-CI 07-00012-00-CI 07-25001-00-CI 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	
06-26003-00-CI	RH side external mirror	06-12011-01-CI 06-12012-01-CI		
06-26004-00-CI	RH side electric and de-iced external mirror	06-12011-01-CI 06-12012-01-CI		

- ¹ Hoisting remains possible when the floats are folded.
² Implies the fitting of rear sliding door on both sides.

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Reference Optional	Installation	Nature of the incompatibility		
		■	▲	●
Specific mission equipment (continued)				
06-27004-00-FP	Cargo sling with dynamometer (750 kg - 1,654 lb) - Fixed parts	06-12011-01-CI 06-12012-01-CI		
06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) - Removable parts		06-27018-00-RP 06-81004-00-CI 06-81005-00-CI	05-84001-00-RP 06-21001-00-RP 06-24001-00-CI 07-24003-00-RP 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP
06-27009-00-CI	Capabilities for extended cargo sling	06-12011-01-CI 06-12012-01-CI	06-47002-01-RP 06-81004-00-CI 06-81005-00-CI	05-84001-00-RP 06-21001-00-RP 07-24003-00-RP 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP
06-27018-00-FP	Cargo swing with dynamometer (1160 kg - 2,557 lb) - Fixed parts	06-12011-01-CI 06-12012-01-CI 07-00012-00-CI		
06-27018-00-RP	Cargo swing with dynamometer (1160 kg - 2,557 lb) - Removable parts		06-27004-00-RP 06-47002-01-RP 06-81004-00-CI 06-81005-00-CI	05-84001-00-RP 06-21001-00-RP 06-24001-00-CI 07-24003-00-RP 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP
06-31005-00-CI	Integrated hailers	06-61002-00-FP 06-81004-00-CI 06-81005-00-CI	Being studied	Being studied
06-42005-00-CI	Landing light (swivelling in elevation and azimuth)	06-81004-00-CI 06-81005-00-CI		
06-47002-01-FP	SPECTROLAB SX 16 search-light - fixed parts	06-81004-00-CI 06-81005-00-CI		
06-47002-01-RP	SPECTROLAB SX 16 search-light - Removable parts		06-27018-00-RP 06-27009-00-CI	

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Reference Optional		Installation	Nature of the incompatibility		
			■	▲	●
Specific mission equipment (continued)					
06-61002-00-FP	Emergency floatation gear - Fixed parts	06-12012-01-CI 06-31005-00-CI			
06-61002-00-RP	Emergency floatation gear - Removable parts		06-11008-00-CI	06-21001-00-RP 1 06-24001-00-CI	
06-81004-00-CI	Fire-fighting installation, SIMPLEX 310 system, 1000 liters or 1200 liters	06-12011-01-CI 06-12012-01-CI 06-31005-00-CI 06-42005-00-CI 06-47002-01-FP 06-81005-00-CI	05-93001-00-CI 06-11008-00-CI 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI	05-84001-00-RP 06-21001-00-RP 07-24003-00-RP 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	
06-81005-00-CI	Crop-spraying installation, SIMPLEX 5100 2	06-12011-01-CI 06-12012-01-CI 06-31005-00-CI 06-42005-00-CI 06-47002-01-FP 06-81004-00-CI	05-93001-00-CI 06-11008-00-CI 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI	05-84001-00-RP 06-21001-00-RP 07-24003-00-CI 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	
Interior layout					
07-00008-00-CI	"Comfort" lay-out	07-00010-00-CI 07-00012-00-CI	05-84001-00-RP 06-25001-00-CI 07-70013-00-CI		
07-00010-00-CI	"Comfort" lay-out with sound-proofing	07-00008-00-CI 07-00012-00-CI	05-84001-00-RP 06-25001-00-CI 07-70013-00-CI		

¹ Hoisting remains possible when the floats are folded.

² Implies the fitting of the optional item 06-12014-01-CI "High skid landing gear with 2 short footsteps".

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Reference Optional	Installation	Nature of the incompatibility		
		■	▲	●
Interior layout (continued)				
07-00012-00-CI	"Executive" lay-out	06-27018-00-FP 07-00008-00-CI 07-00010-00-CI	05-84001-00-FP 06-25001-00-CI 07-70013-00-CI	
07-15010-00-CI	Energy-absorbing front seats	Being studied	Being studied	Being studied
07-24003-00-RP	Left side two-place front bench seat (pilot on RH side) - Removable parts		05-37007-00-CI 05-37014-00-CI 05-84001-00-RP 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	06-21001-00-RP 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI 06-81004-00-CI 06-81005-00-CI
07-25001-00-CI	3 places instead of 4 places transformation kit		05-84001-00-RP 06-25001-00-CI 07-70013-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	06-21001-00-RP
07-70013-00-CI	EMS kit AAT		05-37007-00-CI 05-37014-00-CI 05-42002-00-CI 05-84001-00-RP 06-25001-00-CI 07-00008-00-CI 07-00010-00-CI 07-00012-00-CI 07-24003-00-RP 07-25001-00-CI 07-71001-00-RP 07-71003-00-RP 07-71005-00-RP	06-21001-00-RP 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI 06-81004-00-CI 06-81005-00-CI

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For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.

Reference Optional	Installation	Nature of the incompatibility		
		■	▲	●
Interior layout (continued)				
07-71001-00-RP	Lower casualty-carrying installation with stretcher - Removable parts		05-37007-00-CI 05-37014-00-CI 05-42002-00-CI 05-84001-00-RP 06-25001-00-CI 07-24003-00-RP 07-25001-00-CI 07-70013-00-CI	06-21001-00-RP 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI 06-81004-00-CI 06-81005-00-CI
07-71003-00-RP	Lower casualty-carrying installation with stretcher, adapted to the mountain rescue - Removable parts		05-37007-00-CI 05-37014-00-CI 05-42002-00-CI 05-84001-00-CI 06-25001-00-CI 07-24003-00-RP 07-25001-00-CI 07-70013-00-CI	06-21001-00-RP 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI 06-81004-00-CI 06-81005-00-CI
07-71005-00-RP	Upper casualty-carrying installation (with stretcher) - Removable parts		05-37007-00-CI 05-37014-00-CI 05-42002-00-CI 05-84001-00-RP 06-25001-00-CI 07-24003-00-RP 07-25001-00-CI 07-70013-00-CI	06-21001-00-RP 06-27004-00-RP 06-27018-00-RP 06-27009-00-CI 06-81004-00-CI 06-81005-00-CI
07-71001-00-FP	Lower casualty carrying installation with stretcher - Fixed Parts	07-71003-00-FP		
07-71003-00-FP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue - Fixed Parts	07-71001-00-FP		
Avionics				
08-10007-00-CI	Honeywell - KHF 950 - HF/SSB	05-24004-00-CI		

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6- Main performance

The following performance values and figures refer to an **AS 350 B2**, equipped with a **new engine**. Unless otherwise specified, the values and figures refer to a **clean helicopter** equipped with the optional item Low skid landing gear with 2 single footsteps at **Sea Level (SL)**, in **International Standard Atmosphere (ISA)** and **zero wind** condition.

Performance

Gross Weight		kg lb	1,600 3,530	1,800 3,968	2,000 4,409	2,200 4,850	2,250 4,960
■ Maximum speed, VNE	km/hr kts		287 155	287 155	287 155	287 155	287 155
■ Fast cruise speed (at MCP)	km/hr kts		261 141	258 139	253 137	248 134	246 133
■ Recommended cruise speed	km/hr kts		242 131	240 130	235 127	228 123	226 122
■ Fuel consumption at recommended cruise speed	kg/hr lb/h		147 324	147 324	147 324	147 324	147 324
■ Rate-of-climb	m/sec ft/min		11.1 2,185	10.6 2,085	9.9 1,950	8.9 1,750	8.5 1,675
■ Hover ceiling I.G.E. at Take-off power							
● ISA	m ft		6,100 20,000	5,050 16,550	4,100 13,450	3,200 10,500	3,000 9,850
● ISA + 20°C	m ft		5,450 17,900	4,400 14,450	3,350 11,000	2,350 7,650	2,150 7,050
■ Hover ceiling OGE at Take-off power							
● ISA	m ft		5,400 17,700	4,400 14,450	3,450 11,300	2,550 8,350	2,300 7,550
● ISA + 20°C	m ft		4,750 15,600	3,700 12,150	2,650 8,700	1,600 5,250	1,300 4,250
■ Service ceiling (1 m/sec., 200 ft/min.)	m ft		6,100 20,000	6,100 20,000	5,700 18,700	4,800 15,750	4,600 15,100
■ Range (without reserve at recommended cruise speed)	km nm		476 257	693 374	688 371	671 362	666 360
■ Endurance without reserve at 100 km/hr – 54 kts	hr : min		3h34	5h00	4h46	4h28	4h24

The data set forth in this document are general in nature and for information purposes only.

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Effect of external equipment on performance

Part of equipment included in the standard aircraft has an impact on given performance as follows :

Effect on Performance	Fast or Recommended cruise speed	Range	Rate of climb	Hourly fuel consumption
High skid landing gear instead of low LG	– 2 kt / – 4 km/h	– 1.5 %	/	/
Long footsteps on high landing gear	– 2 kt / – 4 km/h	– 1.5 %	– 2.5 %	/
Total	– 4 kt / – 8 km/h	– 3%	– 2.5 %	/

Operating limitations

The helicopter is cleared to be operated within the following altitude and temperature limitations (according to Flight Manual). For complementary information, refer to Flight Manual.

- Maximum altitude : 6,100 m - 20,000 ft (PA)
- Maximum temperature : ISA + 35°C limited to + 50° C
- Minimum temperature : – 40° C

Abbreviations

IGE :	In Ground Effect	SL :	Sea Level
ISA :	International Standard Atmosphere	TAS :	True Air Speed
MCP :	Maximum Continuous Power	TOP :	Take-Off Power
OGE :	Out of Ground Effect	VNE :	Never Exceed Speed
PA :	Pressure Altitude	Vz :	Rate-of-climb

Units

nm :	nautical miles	hr:min :	hours:minutes
kts:	knots	kg :	kilogramms
ft/min :	feet per minute	lb :	pounds
m/sec :	meters per second	km :	kilometers
° C :	degrees Celsius		

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For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.

Performance charts

The performance charts presented hereafter apply to an aircraft as per the standard definition, equipped with the optional Low landing gear.

■ Take-off weight in hover IGE, (height 5 ft, Maximum TOP, no wind)	Page 28
■ Take-off weight in hover OGE, (Maximum TOP, no wind)	Page 29
■ Fast cruise speed (ISA)	Page 30
■ Fast cruise speed (ISA + 20°C)	Page 31
■ Recommended cruise speed (ISA)	Page 32
■ Recommended cruise speed (ISA + 20°C)	Page 33
■ Rate of climb in oblique flight (ISA)	Page 34
■ Rate of climb in oblique flight (ISA + 20°C)	Page 35
■ Hourly fuel consumption at fast cruise speed (ISA, ISA + 20°C)	Page 36
■ Hourly fuel consumption at recommended cruise speed (ISA, ISA + 20°C)	Page 37
■ Internal Payload Versus Range (ISA, recommended cruise speed, without reserve)	Page 38

The data set forth in this document are general in nature and for information purposes only.

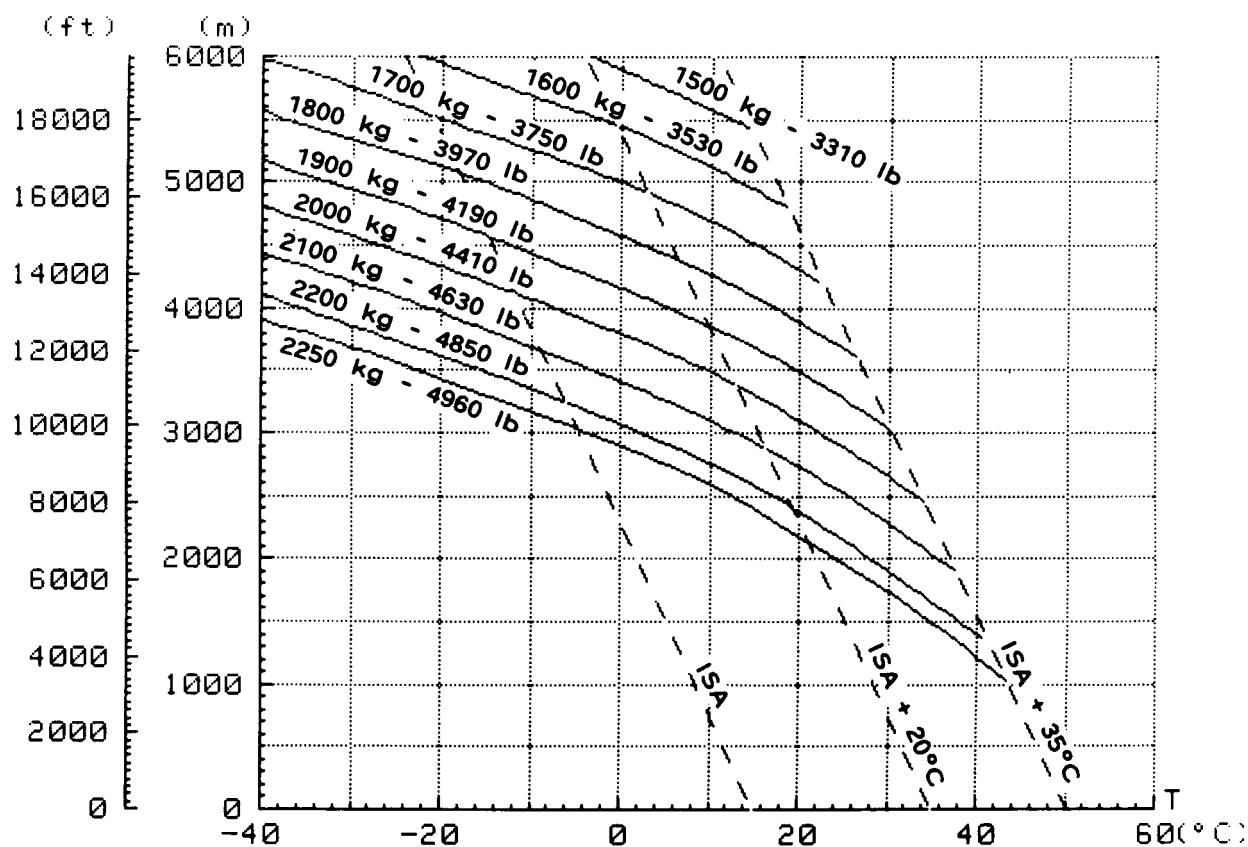
For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.

HOVER CEILING I.G.E.

at maximum TOP

(Height 5 ft)

Pressure altitude



Note : Approved performance (as long as the engine meets the power check criteria), as defined in the Flight Manual.

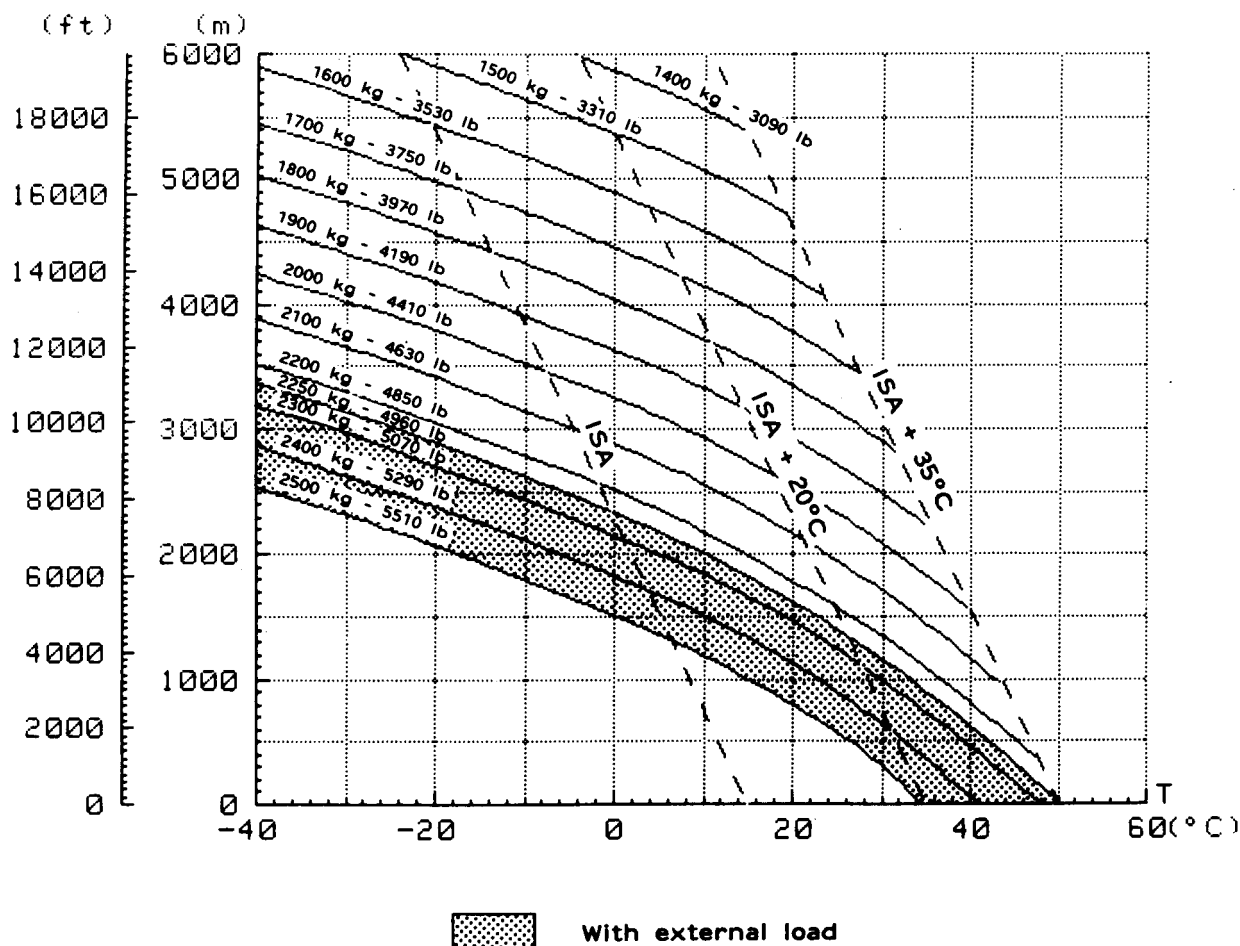
The data set forth in this document are general in nature and for information purposes only.

For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.

HOVER CEILING O.G.E.

at maximum TOP

Pressure altitude



Note : Approved performance (as long as the engine meets the power check criteria), as defined in the Flight Manual.

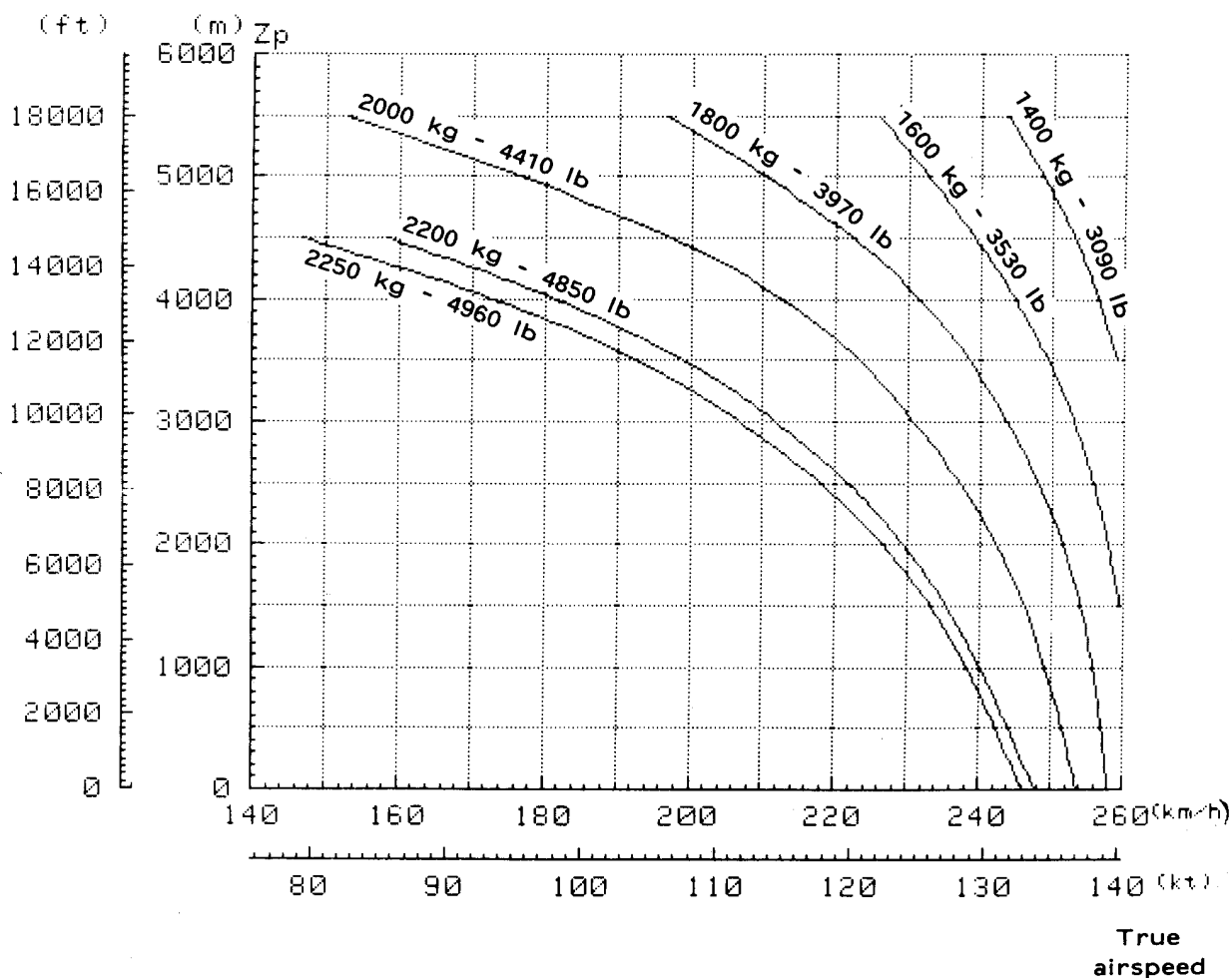
The data set forth in this document are general in nature and for information purposes only.

For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.

FAST CRUISE SPEED

ISA

Pressure altitude



Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 26).

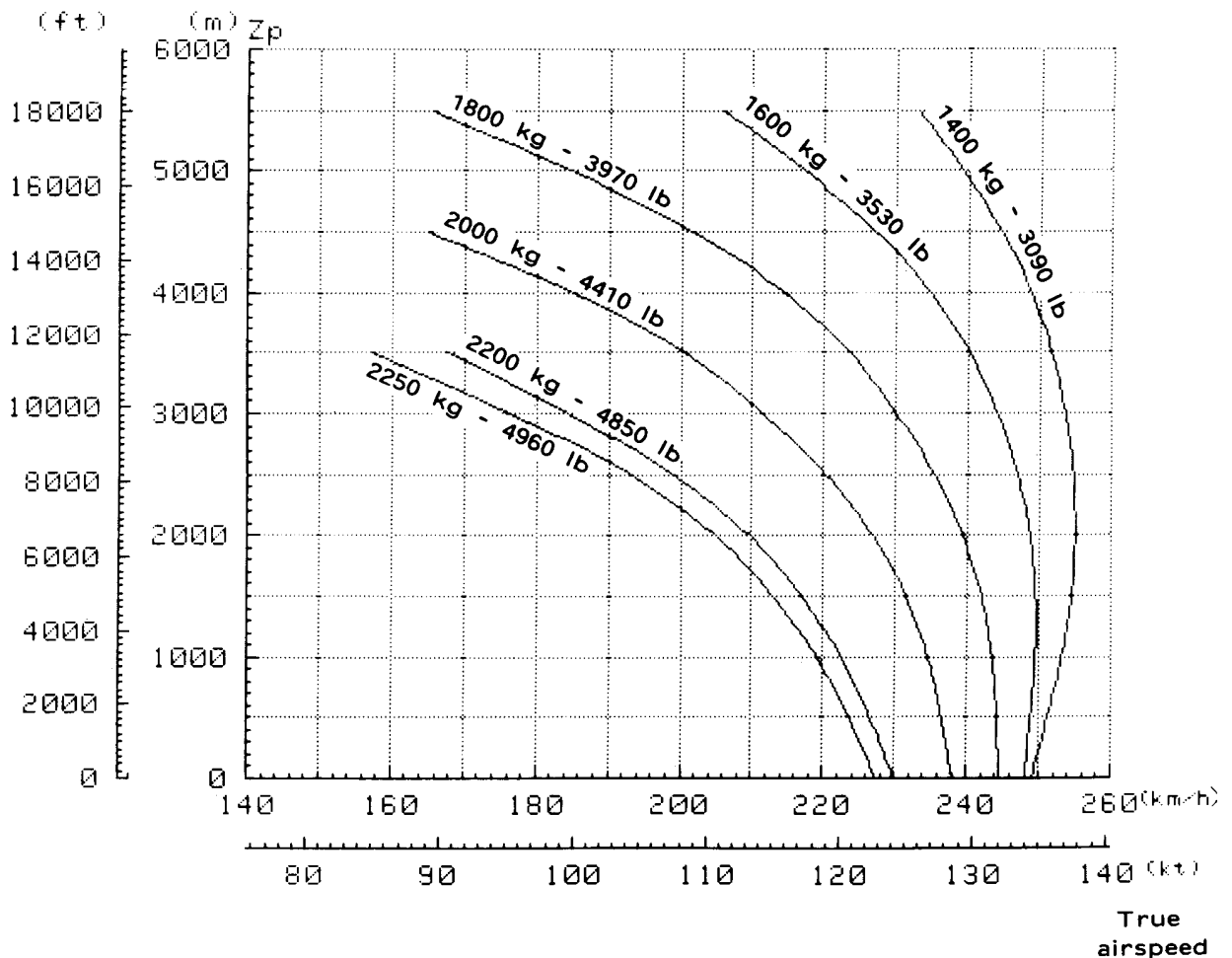
The data set forth in this document are general in nature and for information purposes only.

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FAST CRUISE SPEED

ISA + 20°C

Pressure altitude



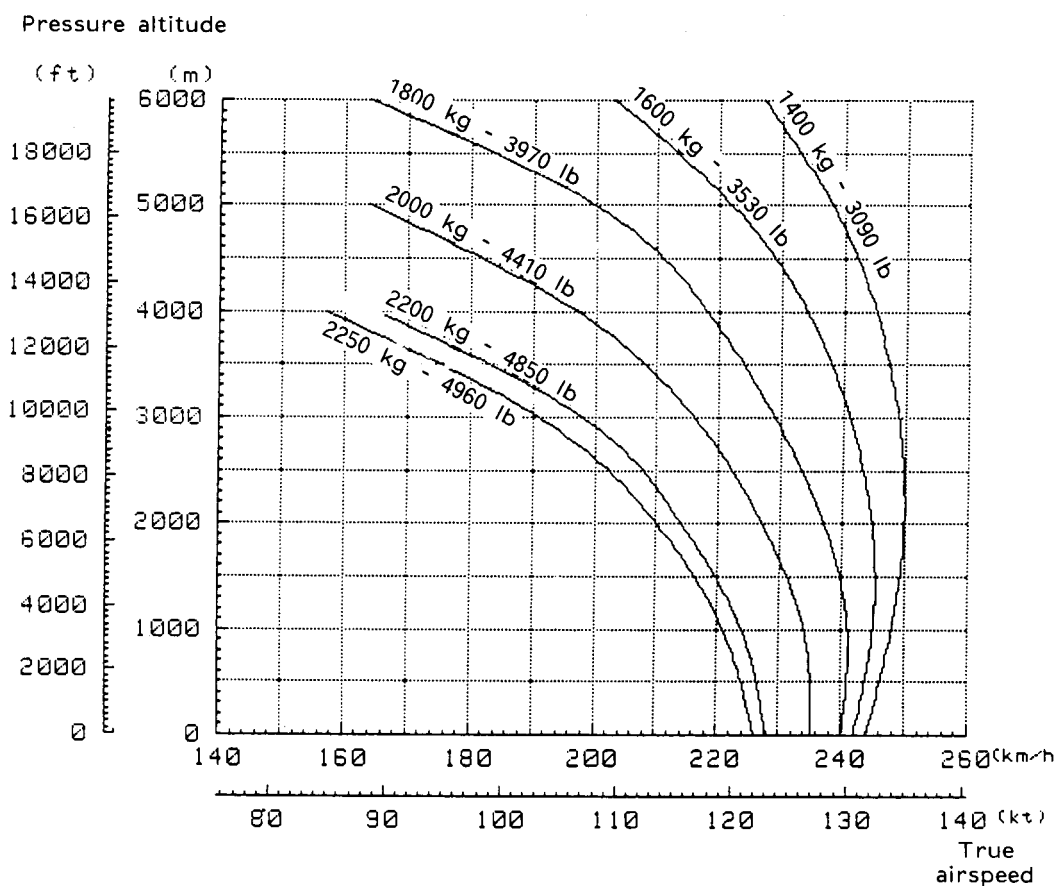
Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 26).

The data set forth in this document are general in nature and for information purposes only.

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RECOMMENDED CRUISE SPEED

ISA



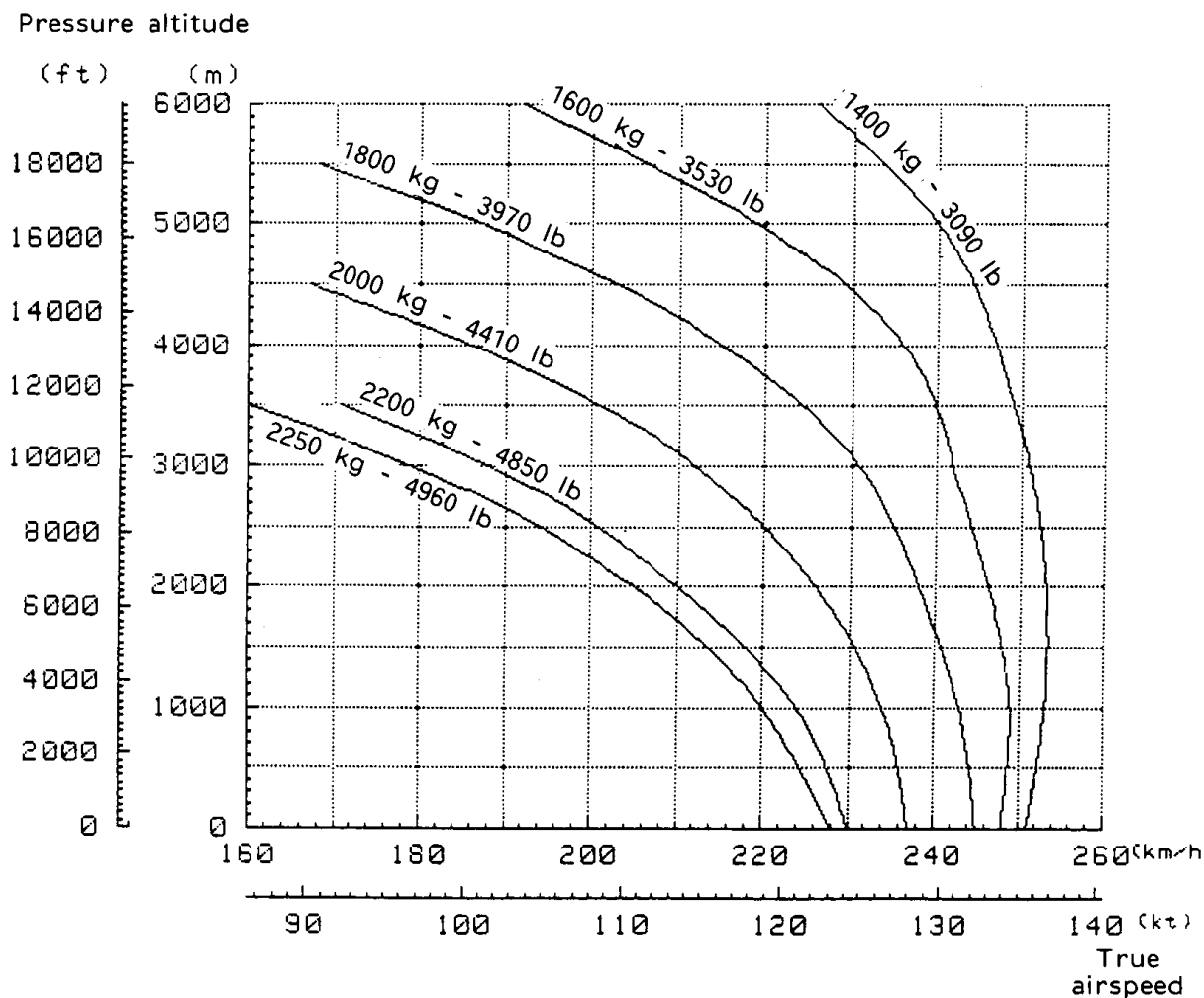
Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 26).

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RECOMMENDED CRUISE SPEED

ISA + 20° C



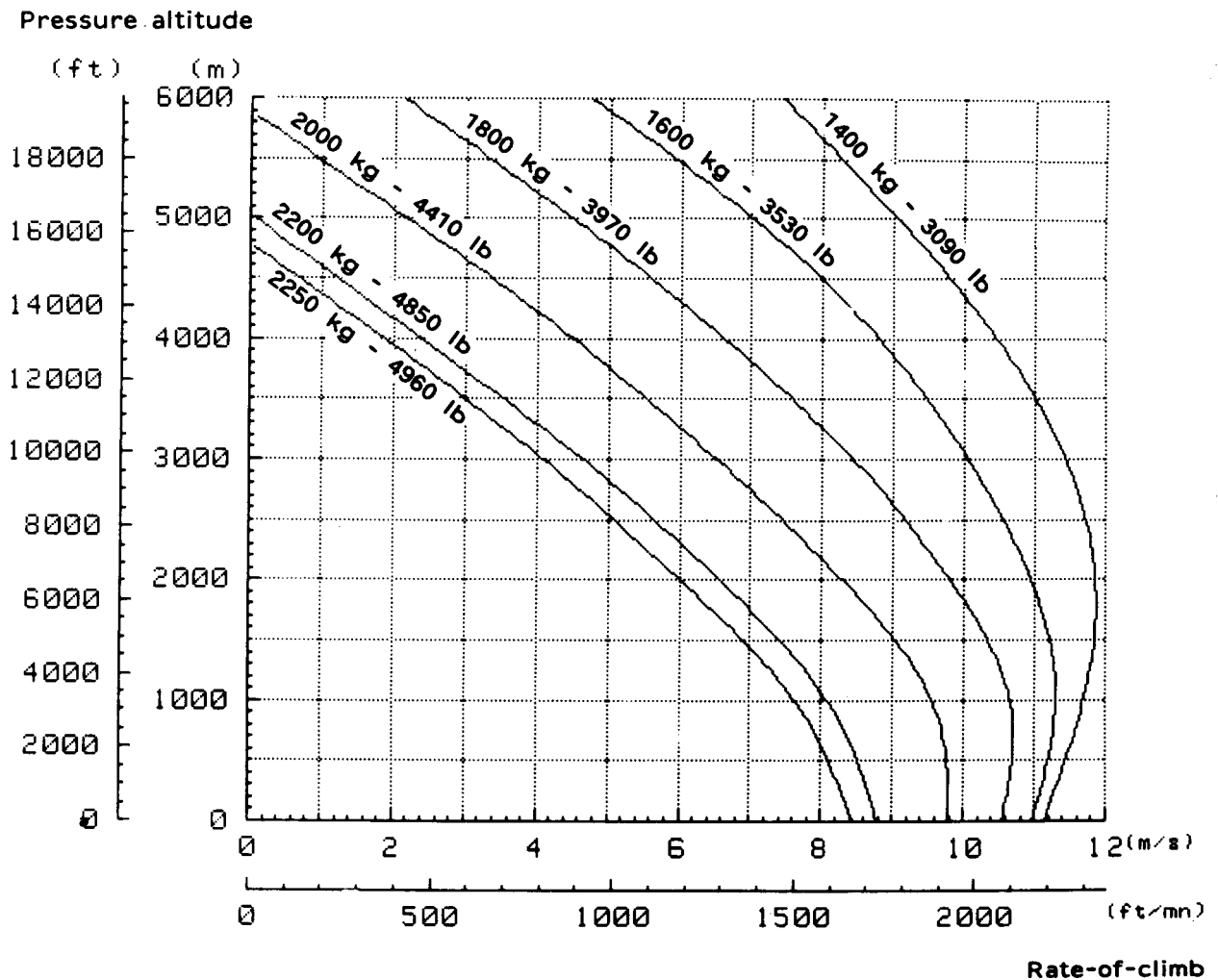
Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 26).

The data set forth in this document are general in nature and for information purposes only.

For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.

RATE OF CLIMB IN OBLIQUE FLIGHT

ISA



Note : Approved performance (as long as the engine meets the power check criteria), as defined in the Flight Manual for a clean standard aircraft equipped with the optional Low landing gear (see page 26).

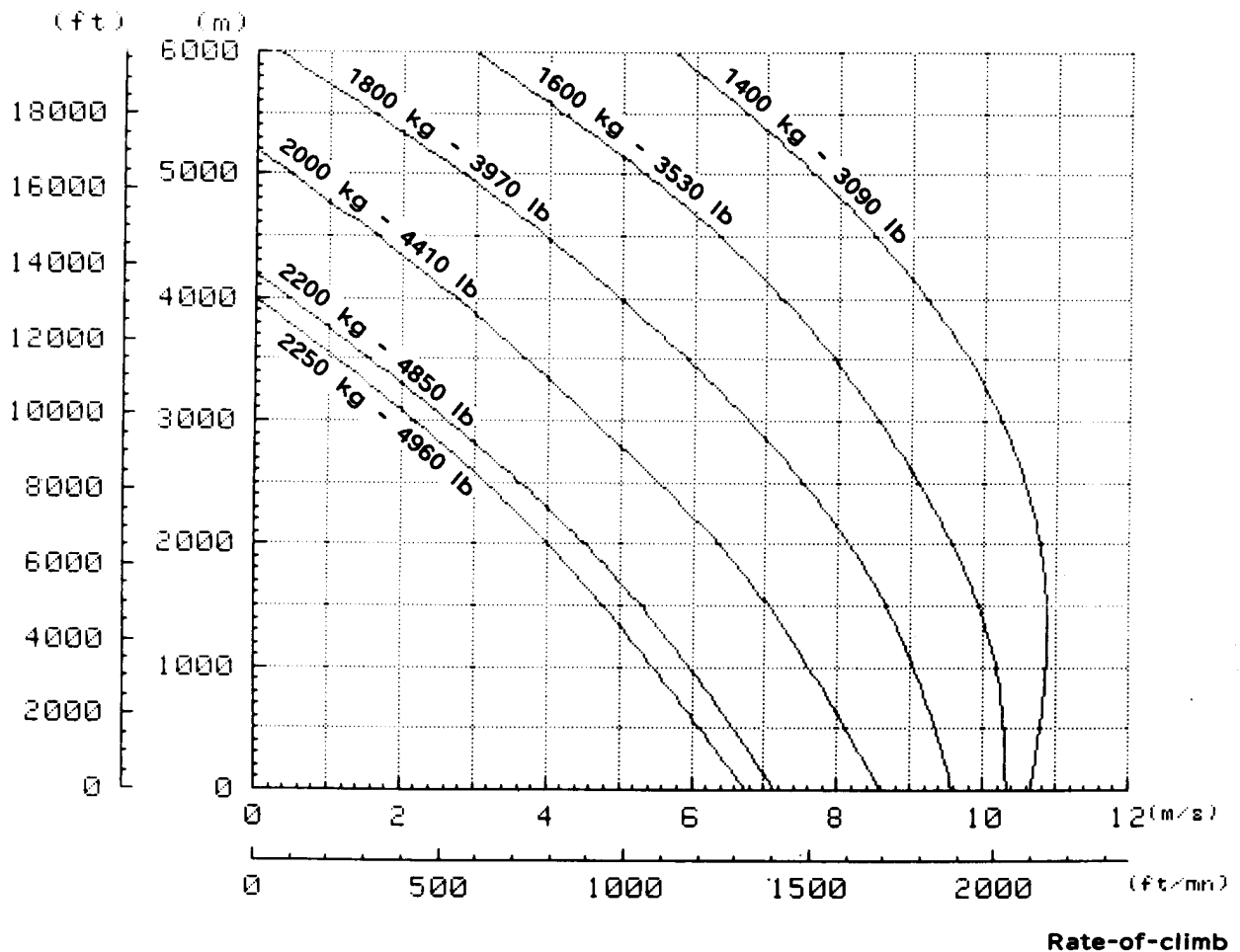
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RATE OF CLIMB IN OBLIQUE FLIGHT

ISA + 20° C

Pressure altitude



Note : Approved performance (as long as the engine meets the power check criteria), as defined in the Flight Manual for a clean standard aircraft equipped with the optional Low landing gear (see page 26).

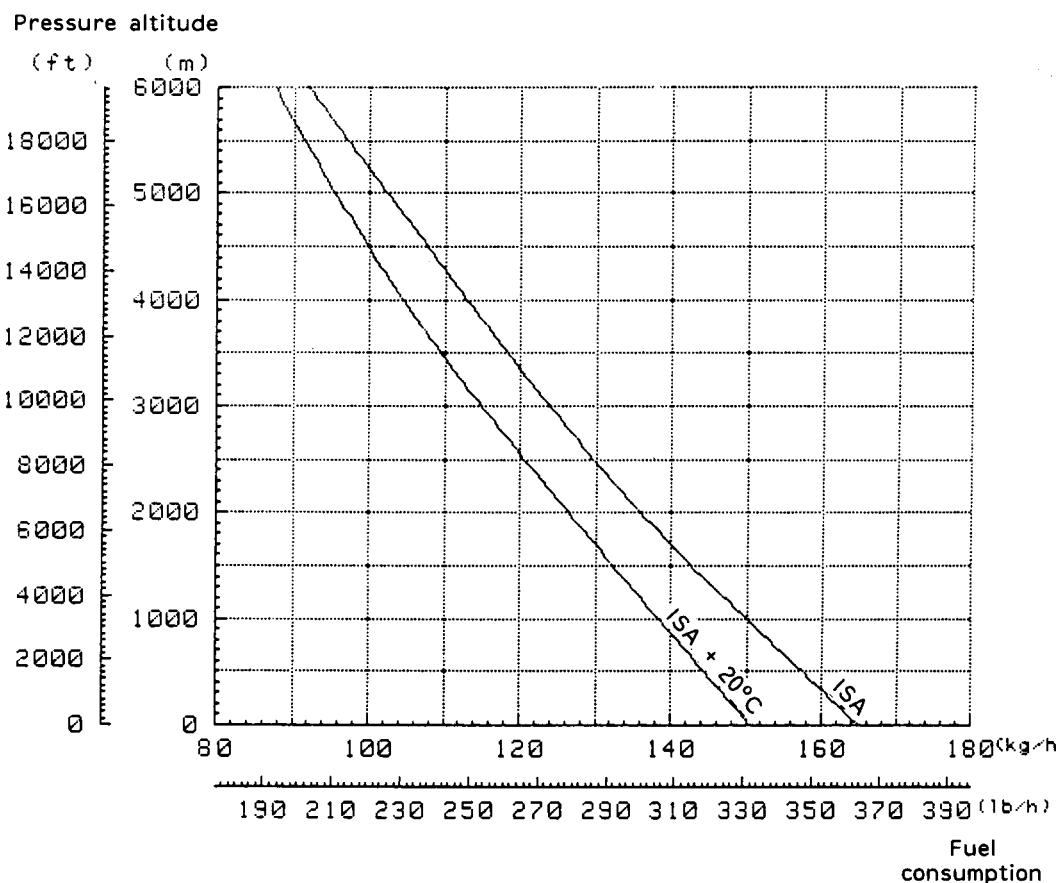
The data set forth in this document are general in nature and for information purposes only.

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HOURLY FUEL CONSUMPTION

at fast cruise speed

ISA, ISA + 20° C



Note : Typical consumption with clean standard aircraft and new engine.

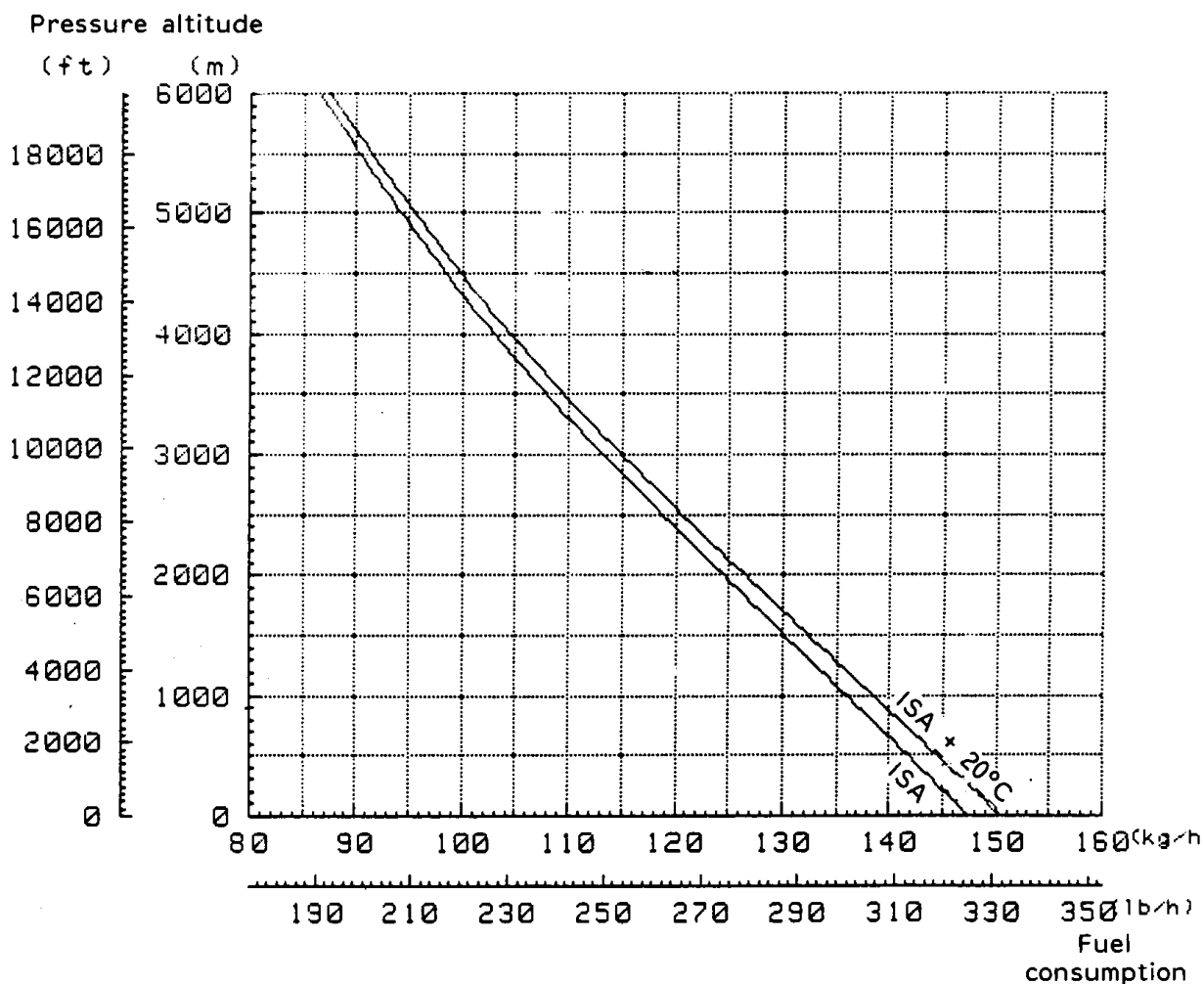
The data set forth in this document are general in nature and for information purposes only.

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HOURLY FUEL CONSUMPTION

at recommended cruise speed

ISA, ISA + 20° C



Note : Typical consumption with clean standard aircraft and new engine.

The data set forth in this document are general in nature and for information purposes only.

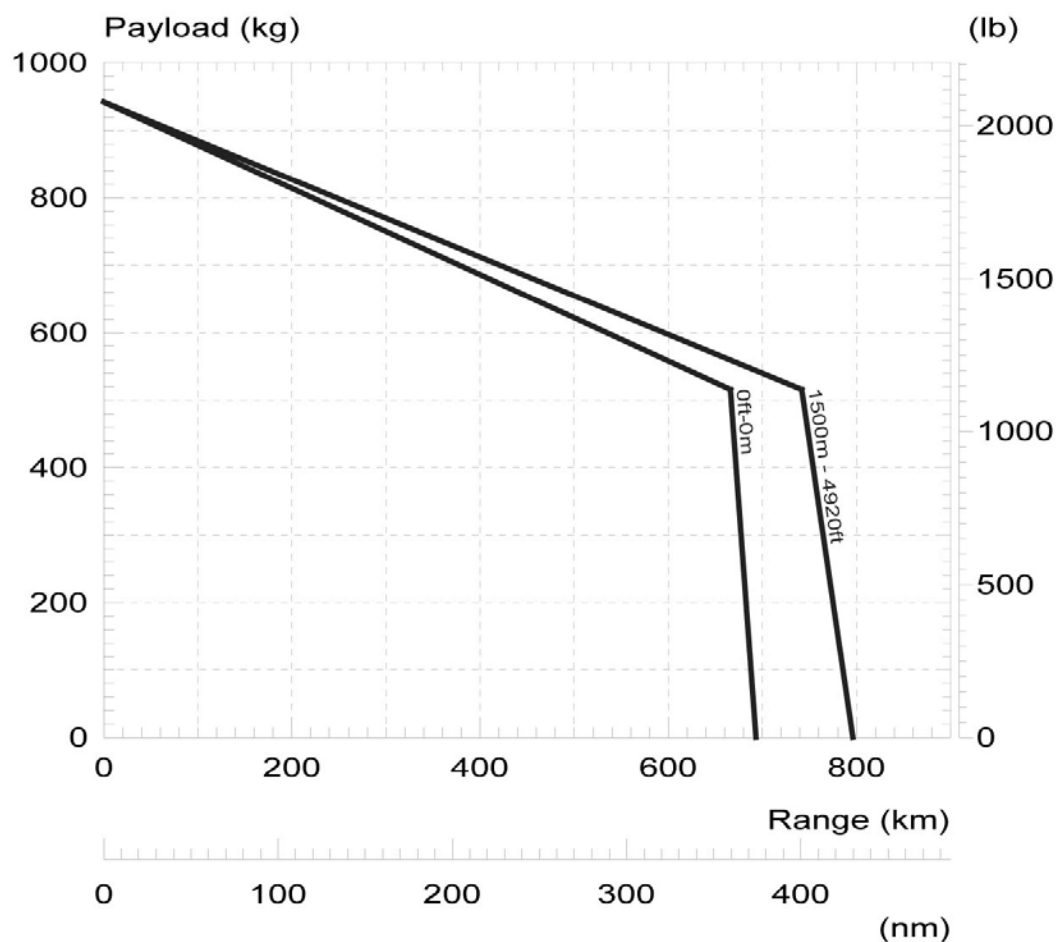
For performance data and operating limitations, reference must be made to the approved flight manual and all appropriate documents.

PAYLOAD / RANGE

ISA

Recommended cruise speed

Empty weight equipped a/c + 1 pilot : 1,300 kg - 2,866 lb ¹



Note : Typical mission without reserve, with clean aircraft equipped with the optional Low landing gear (see page 26) and new engine.

¹ Aircraft equipped and approved for VFR day and night operations (avionics included in empty weight).

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7- Customer Service Overview

Assets

- Possibility to perform maximum of maintenance tasks by operators through modular exchange,
- Low required manhours on the scheduled maintenance,
- Maintenance simple and easy to perform thanks to optimized accessibility to dynamic components and equipment that is confirmed by Ecureuil large experience (more than 13 million flight hours),
- Limited number of tools,
- No test bench,
- Among technical publications, "Master Servicing Recommendation" has been written in such a manner that it can be directly used as a maintenance tasks repertory in the workshop,
- Customer Services network through numerous and experienced service stations thanks to large Ecureuil fleet (nearly 4000 A/C) flying all over the world.

Maintenance and maintainability data

"Scheduled" and "unscheduled" maintenance are considered in manhour figures given hereafter.

Scheduled maintenance

- Possibility to perform maintenance tasks according to each operator needs :
 - **blocked whole inspection** (helicopter unavailable during all the inspection duration),
- or
- **"splitted" inspection** (helicopter available for flight since the inspection is performed in several batches of maintenance operations, in respect with the limitations and periodicities defined in the Master Servicing Recommendation).

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Estimated Mean Man Hour per Flying Hour (MMH/FH) (standard aircraft - 300 Flying hour/year - 2 flights per day)

0.71 MMH/FH ¹ (Scheduled + unscheduled + SB implementation)

Detail

■ **Basic**

■ Daily checks :	Pilot's task
■ 100 flight hrs periodicity tasks Including average "corrective" works	3.7 MMH ²
■ 500 flight hrs or 24 months periodicity tasks Including average "corrective" works	121 MMH

■ **Unscheduled (reliability cause)** **0.29 MMH/FH**

■ **SB implementation** **0.05 MMH/FH**

■ **12 years inspections requiring 330 MMH**

1 MMH/FH : Mean Man Hour per Flight Hour.

2 MMH : Mean Man Hour.

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Time Between Overhaul (TBO)/Service Life Limit (SLL)

Major assemblies		TBO (h)	SLL (h)
Main Blade			20000
Rear Blade			4000
MGB	Epicyclic reduction gear	3500	
	Bevel Reduction gear	3500	
	Oil pump	3500	
Complete engine		3000	
TGB		3000	
Main servo-unit (TRW type)		3000	
Tail servo-unit (TRW type)		3000	

Documentation

Eurocopter AS 350 B2 technical documentation, pleasant and easy to consult, is basically supplied:

- **On an Interactive Electronic Support (CD-ROM OPEN 350) provided free of charge, with a twice a year update**, that includes the whole documentation : Operating (except Flight Manual), Maintenance, Identification and Specific documents.

The CD-ROM product presents great advantages such as :

- ◆ More efficiency in maintenance thanks to :
 - Direct and instantaneous access to manuals and data by "hypertext" navigation
 - Easy search by keywords and multiple criteria
 - Highly portable technical publications in an extremely compact format
- ◆ Quick updating without insertion mistake risk.

and

- **On paper**
 - Flight Manual
 - Other documents : Master Servicing Recommendation, Service Bulletins.

Note : 1. As an option , the whole documentation is available on paper.

2. Turbomeca Arriel 1D1 engine documentation is available both under CD-ROM and paper format.

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