Contents

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 AS350 B3 *is "the high performance" version of the single engine* ECUREUIL *range. This helicopter is powered with a TURBOMECA ARRIEL 2B1 engine of 847 shp (632 kW) and equipped with a dual channel FADEC system (Full Authority Digital Engine Control), and third back-up control system. It is totally suited for operations in conditions such as mountainous or elevated areas.*

The pilot benefits from the VEMD *(Vehicle and Engine Multifunction Display) on the instrument panel : a new generation of integrated instrumentation which allows him to see at a glance the main vehicle and engine parameters on a dual LCD screen.*

Thanks to these technological innovations, the AS350 B3 *offers the operators the highest performances in its category, with enhanced safety and reduced pilot workload. With an under-slung load capacity of 1,400 kg (3,086 lb) and a high rate-of-climb, this helicopter is the ideal tool to transport heavy loads and to carry out logging operations in the mountains. When fitted with low skid landing gear, the maximum cruise speed is 140 kts.*

The ECUREUIL AS350 B3*, with its high cruise speed and high hook capacity is a very sought-after aircraft for passenger transportation or utility operations.*

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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 stretcher patient + 2 doctors
- **Cargo carrying**
  - 1 pilot + 3 m^3 (105.9 ft^3) load in cabin

Weights

Note : Empty weight accuracy : within ± 2 %	kg	lb
Empty weight, standard aircraft (including engine oil and unusable fuel)	1,232 *1*	2,716
Useful load	1,018	2,244
Maximum all-up weight	2,250	4,960
Maximum cargo-swing load	1,400	3,086
Maximum all-up weight in external load configuration	2,800	6,172

Power plant

1 **TURBOMECA ARRIEL 2B1** turbine engine

Engine ratings

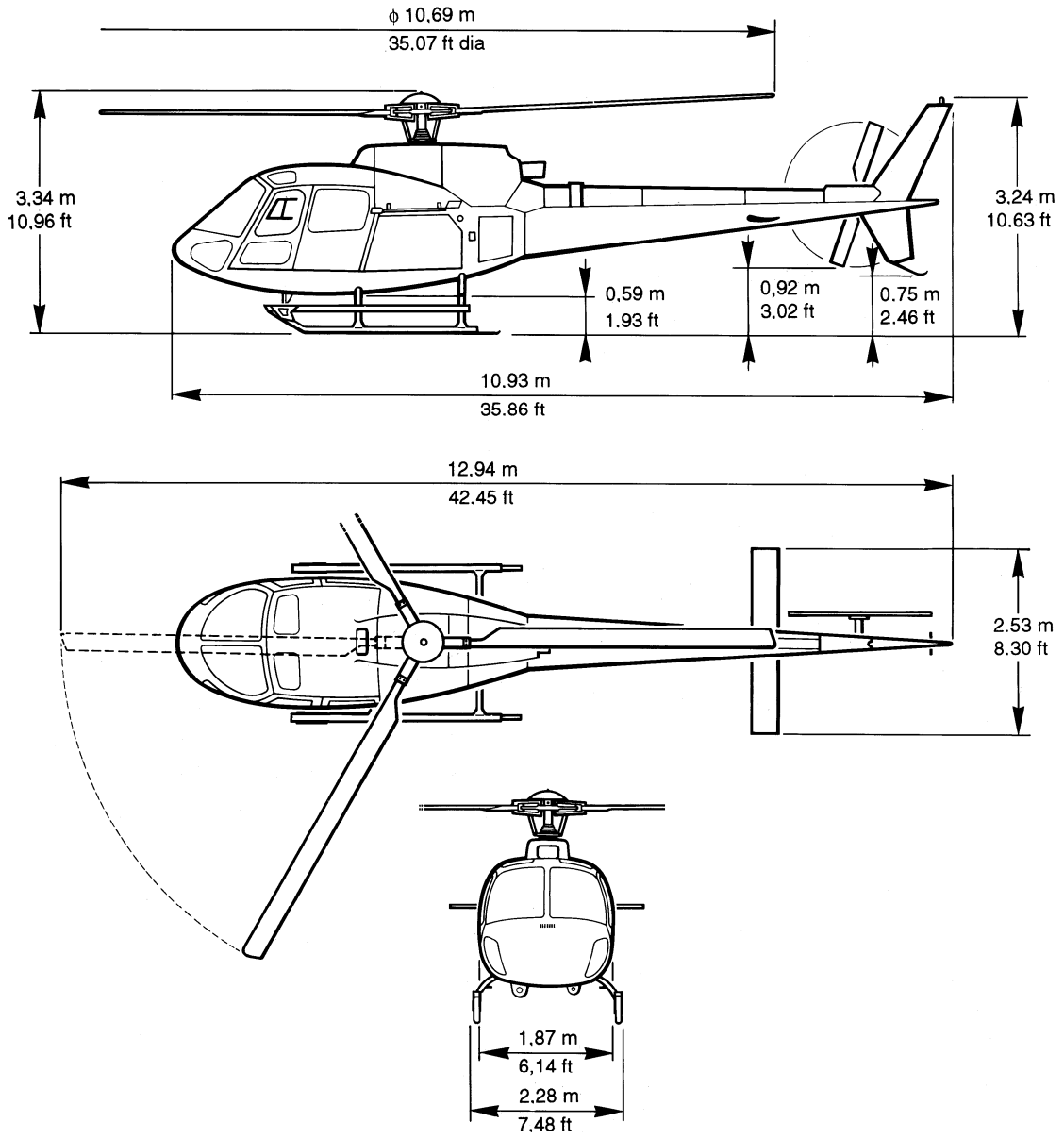
Thermodynamic Power, in standard atmosphere, at sea level :	kW	ch	shp
Take-off power	632	860	847
Maximum continuous power	543	739	728

Usable Fuel capacities

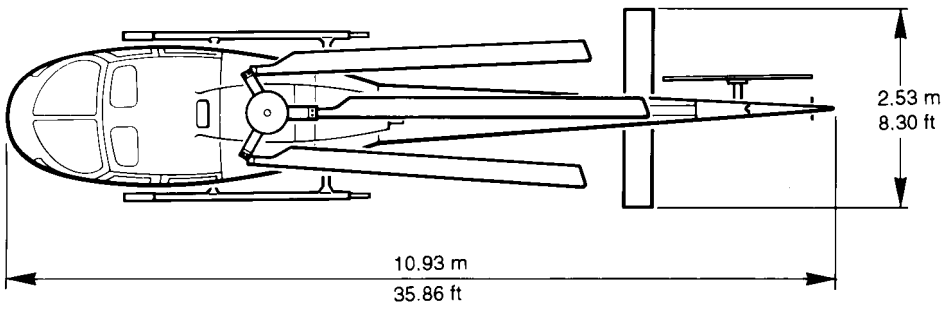
	litres	US gal.	kg	lb
Standard fuel tank	540	143	426	939
Auxiliary fuel tank (option)	475	125	375	827

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

Main dimensions



Dimensions with blades folded



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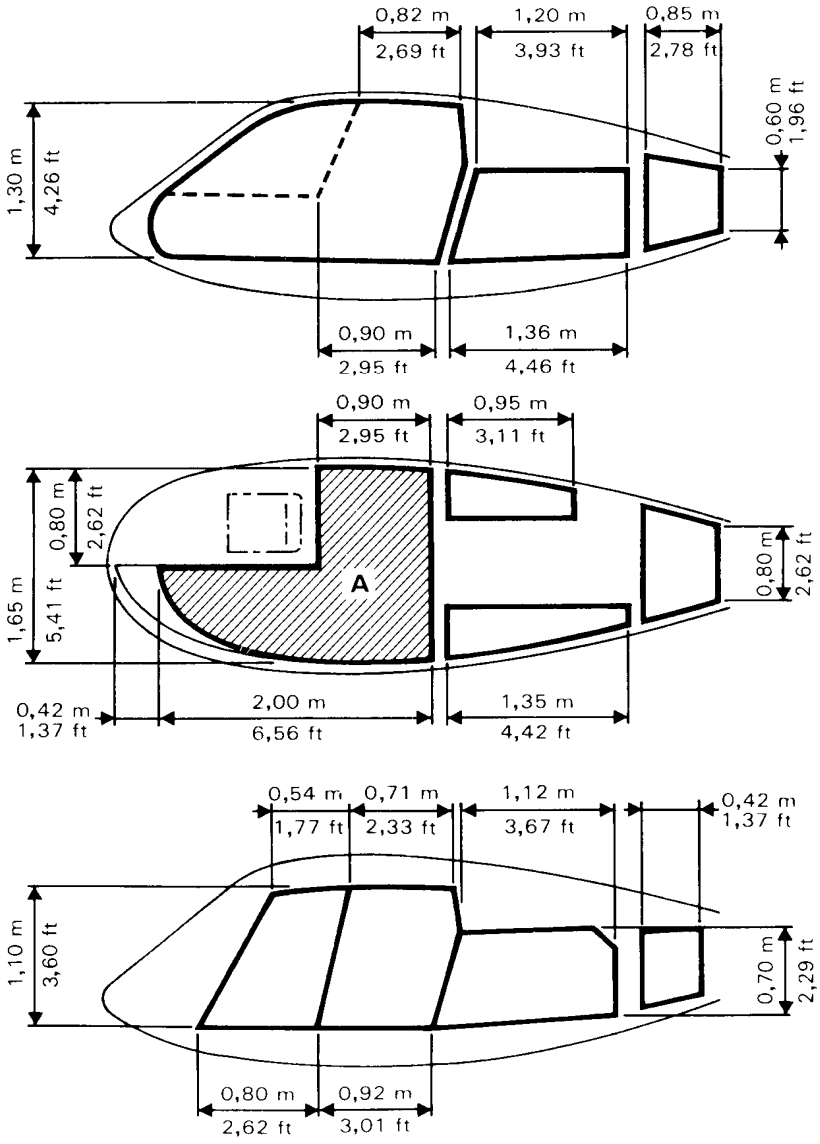
Configurations

Standard lay-out

Customized lay-out

Dimensions of compartments and accesses

Cabin main dimensions



CABIN	
Surface **A**	2.60 m² 27.98 ft²
Volume	3.000 m³ 105.94 ft³

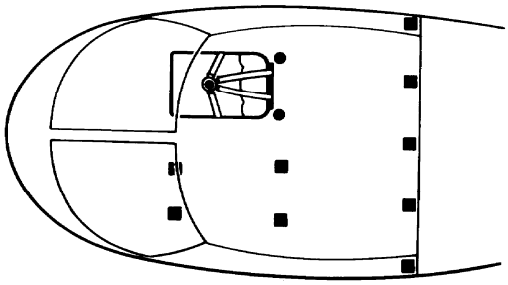
LH HOLD	
Surface	0.43 m² 4.62 ft²
Volume	0.235 m³ 8.29 ft³

RH HOLD	
Surface	0.35 m² 3.76 ft²
Volume	0.200 m³ 7.06 ft³

REAR HOLD	
Surface	0.55 m² 5.92 ft²
Volume	0.565 m³ 19.95 ft³

TOTAL HOLDS	
Surface	1.33 m² 14.3 ft²
Volume	1.000 m³ 35.30 ft³

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 2B1 turbine engine

- 847 shp (632 kW) take-off power
- Triple engine control : one dual channel FADEC (Full Authority Digital Engine Control) unit plus a third independant and automatic back up channel
- Optimized engine ratings according to outside operations conditions thanks to electronic governing system (FADEC)
- Optimized engine monitoring through the *VEMD*
- Automatic starting sequence

VEMD

- Full color LCD display
- Fully duplex equipment
- Self monitoring at one glance
- First Limitation Indication (FLI) with aural warning
- Mission parameters calculation
- Engine cycle counting
- Engine health monitoring

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 was to equip the *ECUREUIL* single-engined aircraft with general equipment and capabilities for mission equipment, most usually selected by the operators.

The second stage was an extension of the "Ready to fly" concept of the last-born child of the family the *EC130 B4* to the whole of the *ECUREUIL* single-engined aircraft in 2003. The result is that a helicopter in standard definition can operate in flight VFR day and night in the majority of the countries.

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

- 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 ELT (2 frequencies)
- 1 ICS + passenger interphone

3- *AS350 B3 ECUREUIL* - Standard Aircraft Definition

The helicopter in the definition, presented hereafter, meets the certification standards for day and night VFR operations, set by the following airworthiness authorities : EASA, FAA, TC. This list is not restrictive and the status of approval by other airworthiness authorities must be checked. Additional equipment item may be required by the relevant operational regulation (most of them are available in catalogue).

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
- Interior signs and markings : available in either French or English, any other language on request
- Capabilities for :
  - LH landing-light (swivelling in elevation and azimuth)
  - cargo swing
  - 2nd battery kit
  - hourmeter
  - electric external mirror
  - electrical hoist
  - 200 amp direct current generation
  - 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 twist grip on pilot side (for engine reduction in case of tail rotor failure and autororation training)
- 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
- Overhead control quadrant
- Interior harmony according to definition in force

INSTRUMENTS

- Instruments units : available in either metric or English units
- 1 airspeed indicator
- 1 altimeter
- 1 rate-of-climb indicator
- 1 rotor tachometer indicator
- 1 clock
- 1 warning panel
- 1 magnetic compass
- 1 heated pitot head
- 1 I.C.S. connected to aural warning issued from *VEMD*®
- Capabilities for *VEMD*® data download (including maintenance plug)
- 1 LCD Dual screen Vehicle and Engine Multifunction Display (*VEMD*®) providing the following information:
  - First limitation indicator (FLI)
    - torquemeter
    - exhaust gas temperature (T4)
    - gas generator tachometer (Ng, delta Ng)
  - Engine oil temperature/pressure
  - Fuel quantity and fuelflow and estimated remaining time to fly
  - Ammeter and voltmeter
  - Outside Air Temperature (OAT)
  - Enhanced usage monitoring functions
    - IGE/OGE performance calculations
    - engine cycles counting
    - engine power check
    - overlimits display
  - *VEMD*® and peripheral maintenance information

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 2B1 632 kW (860 ch – 847 shp) turbine engine complete with starting, fuel supply and dual channel digital engine control system (FADEC), 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 back-up control box that automatically controls the engine in case of total failure of the 2 digital channels of the FADEC
- 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

- One 150 A, 28 V DC starter-generator APC
- One 15 A/h 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
- One 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

Symbol ⚠ shown beside an item denotes some constraint (see table on page 19)

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-B	**05-01018-02-CI**	CAA kit ***1***	**1.0**	**2.2**
⚠	05-02004-A	**05-02004-00-CI**	Extra-charge for customized external paint - level 1 ***2*** - ***3***	**4.0**	**8.8**
⚠	05-02005-A	**05-02005-00-CI**	Extra charge for customized external paint - level 2 ***2*** - ***4***	**4.0**	**8.8**
⚠	05-02006-A	**05-02006-00-CI**	Extra-charge for customized external paint, apart from levels 1 and 2 ***2*** - ***5***	**On request**	
	05-21003-A	**05-21003-00-CI**	Wire strike protection system ***6***	**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**
	05-25005-A	**05-25005-01-CI**	Sand prevention filter, dynamic type (sand and snow prevention) ***7*** - ***8***	**7.6**	**16.8**
	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**
	05-31003-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) ***9***	**-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) ***10***	**3.0**	**6.6**
	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 *The kit includes in particular the following item of optional equipment : 06-42005-00-CI LH landing light (swivelling in elevation and azimuth).*
2 *Paint scheme must be approved at the latest 3 months before the delivery of the helicopter.*
3 *Paint scheme comprising a basic shade and 2 or 3 additional shades, with straight separation lines, apart from standard paint schemes.*
4 *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.*
5 *Sophisticated paint scheme with numerous shades, complex graduated shades, or complicated emblem or logo.*
6 *Structural reinforcements are included in standard aircraft.*
7 *The sand-prevention filter lifts the flight limitations in falling snow conditions.*
8 *Capabilities included in standard aircraft.*
9 *Removes the sliding window on copilot front door.*
10 *Removes the standard pilot map case.*

General equipment (continued)

	Document reference	Commercial reference	Name	kg	lb
⚠	*05-37010-B*	**05-37010-01-CI**	Dual controls	**3.5**	**7.7**
⚠	*05-42005-A*	**05-42005-00-CI**	Air conditioning system ***1***	**61.8**	**136.2**
	05-61007-A	**05-61007-01-CI**	2nd battery kit ***2***	**17.0**	**37.5**
	05-62001-A	**05-62001-00-CI**	250 VA AC generation system	**4.3**	**9.5**
	05-63001-A	**05-63001-01-CI**	APC 200 A starter-generator	**1.6**	**3.5**
	05-63001-A	**05-63001-02-CI**	Thales Avionics 200 A starter-generator	**1.1**	**2.4**
	05-63005-A	**05-63005-01-CI**	Thales Avionics starter-generator instead of APC standard one	**-0.6**	**-1.3**
⚠	*05-70001-A*	**05-70001-01-CI**	Hydraulic ground power receptacle	**1.5**	**3.3**
⚠	*05-70002-A*	**05-70002-00-CI**	Dual hydraulic circuit	**25.0**	**55.1**
⚠	*05-72001-A*	**05-72001-00-CI**	Power off-take on MGB ***3***	**2.5**	**5.5**
	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**
	05-92001-A	**05-92001-00-FP**	Folding of main rotor blades - Fixed Parts ***4***	**1.8**	**4.0**
		05-92001-00-RP	Folding of main rotor blades - Removable Parts ***5***	**—**	**—**
	05-93001-A	**05-93001-00-CI**	Mooring kit (ground or ships) ***6***	**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	**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 ***7***	**-16.9**	**-37.3**
⚠	*06-12012-A*	**06-12012-01-CI**	Low skid landing gear with 2 short footsteps ***7***	**-9.0**	**-19.8**
⚠	*06-12014-A*	**06-12014-01-CI**	High skid landing gear with 2 short footsteps ***7***	**-0.9**	**-2.0**

1 *Availability = cycle + 2 months.*
2 *Recommended for start-up in cold weather.*
3 *Availability = cycle + 8 months.*
4 *For rough weather conditions.*
5 *The removable parts are delivered as Ground Support Equipment. Tool weight = 32.2 kg - 71 lb.*
6 *Recommended for transport by land, air and sea (when not in a container).*
7 *Replaces the standard type of landing gear.*

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	37.8	83.3
⚠	06-21008-A	06-21008-01-FP	BREEZE electrical hoist (204 kg - 450 lb, 50 m - 164 ft cable) - Fixed Parts	8.0	17.6
⚠		06-21008-01-RP	BREEZE electrical hoist (204 kg - 450 lb, 50 m - 164 ft cable) - Removable Parts	51.8	114.2
⚠	06-21018-A	06-21018-00-CI	Support for Breeze electrical hoist	5.4	11.9
⚠	06-24001-A	06-24001-00-CI	Rappelling installation (without rope)	3.2	7.1
⚠	06-25001-A	06-25001-00-CI	Drip tub (sea rescue) *1*	-0.8	-1.8
⚠	06-26003-A	06-26003-00-CI	RH side external mirror *2*	2.9	6.4
⚠	06-26004-A	06-26004-00-CI	RH side electric and de-iced external mirror *2*	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
⚠	06-27008-A	06-27008-00-FP	Cargo swing (1400 kg - 3,080 lb) - Fixed Parts	4.0	8.8
⚠		06-27008-00-RP	Cargo swing (1400 kg - 3,080 lb) - Removable Parts *3*	13.5	29.8
⚠	06-27009-A	06-27009-00-CI	Capabilities for extended cargo sling	1.2	2.6
⚠	06-31005-A	06-31005-00-CI	Integrated hailers	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	
	06-51046-A	06-51046-00-CI	Nose mounted FLIR turret support	2.4	5.3
⚠	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
	06-74005-A	06-74005-01-CI	NVG friendly lighting for cockpit and standard avionics suite	On request	

1 *The weight figure includes the removal of the cushions of the two standard two-place rear bench-seats and seat belts (bench seats folded).*
2 *Recommended for sling/swing work.*
3 *With Onboard Systems TALON hook.*

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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	**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	**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	**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**
⚠		**07-24003-00-RP**	Left side two-place front bench seat (pilot on right side) - ***1*** Removable parts	**3.2**	**7.1**
⚠	*07-25001-A*	**07-25001-00-CI**	3 places instead of 4 places transformation kit ***2***	**4.4**	**9.7**
⚠	*07-40003-A*	**07-40003-00-CI**	Velvet carpeting ***3***	**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	**3.0**	**6.6**
⚠	*07-50004-A*	**07-50004-00-CI**	Left rear hinged door instead of the standard one ***3***	**-6.4**	**-14.1**
	07-50005-A	**07-50005-00-CI**	Right rear sliding door	**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**
⚠	*07-71001-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 ***4***	**-4.5**	**-9.9**
⚠	*07-71004-A*	**07-71004-00-FP**	Lower casualty-carrying installation with stretcher adapted to the mountain rescue - Fixed Parts	**0.8**	**1.8**
⚠		**07-71004-00-RP**	Lower casualty-carrying installation with stretcher adapted to the mountain rescue - Removable Parts ***4***	**-4.5**	**-9.9**

1 *The front bench-seat replaces the copilot's standard seat.*
2 *Including mainly 4 arm-rests and a fifth harness.*
3 *A large front door with map case replaces the standard small front door with improved side-visibility.*
4 *The weight figure includes the complete removal of one two-place rear bench seat and copilot seat.*

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-B	**08-51018-02-CI**	Thales H 140 BHM2 - Gyro-horizon instead of Thales H 321 EHM - Gyro-horizon	**0.5**	**1.1**
08-51019-A	**08-51019-00-CI**	Thales H 321 EHM - Stand-by gyro-horizon *7* instead of UI 9560 - Turn and Bank indicator	**3.0**	**6.6**
08-51020-A	**08-51020-00-CI**	Thales H140JAM1 - Gyro-horizon instead of Thales H321EHM - Gyro-horizon	**0.6**	**1.3**
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	**3.8**	**8.4**

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.*

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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 or operational regulations.*
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.*

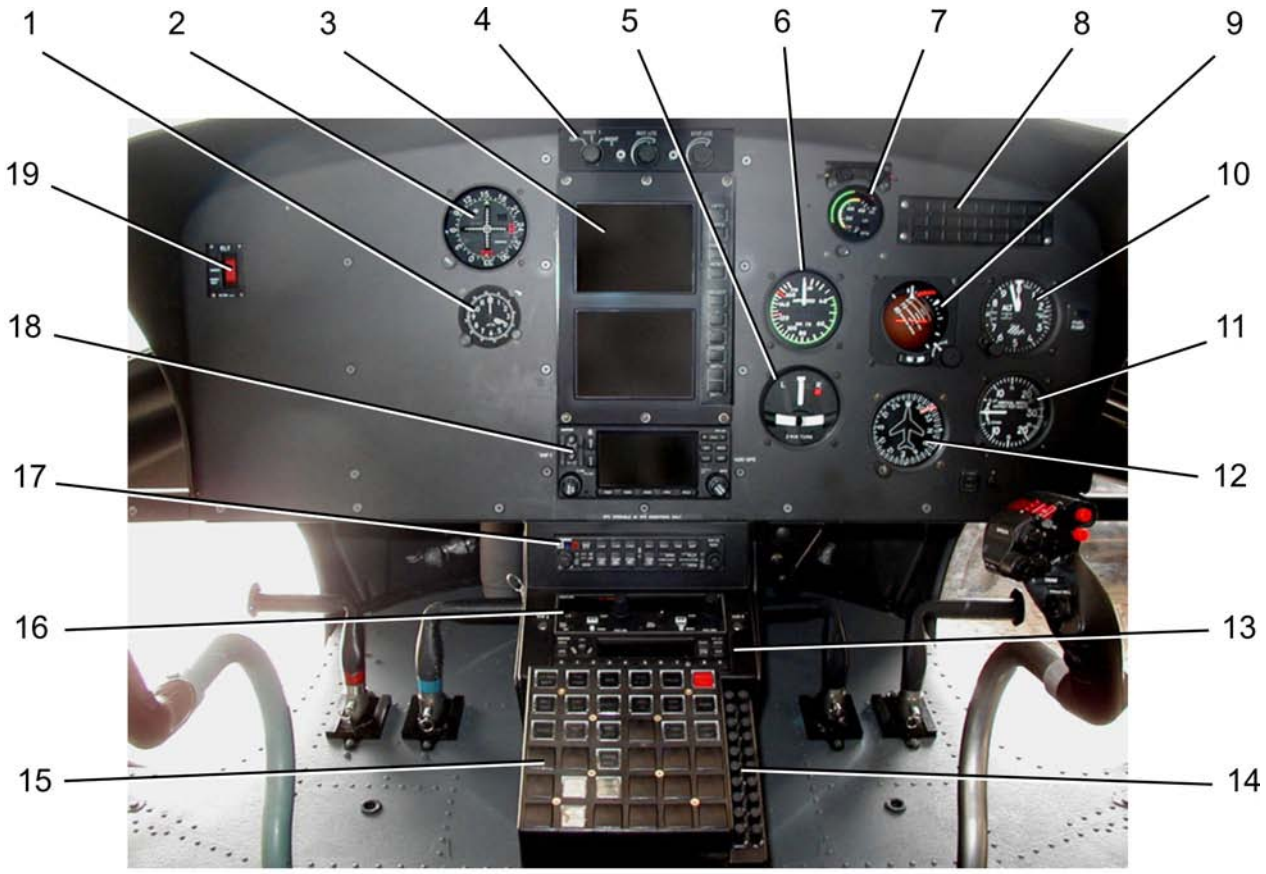
Additional equipment that can be added depending on operational needs or the requirements of the authorities in certain countries if not included in the standard package

	Document reference	Commercial reference	Name	kg	lb
⚠	*08-10006-A*	**08-10006-01-CI**	Collins - HF 9X00 - HF/SSB	**15.7**	**34.6**
	08-18024-A	**08-18024-00-CI**	Headset extension cord	**0.1**	**0.2**
	08-18035-A	**08-18035-00-CI**	David Clark - H 10-13H - Headset ***1***	**0.5**	**1.1**
	08-18037-A	**08-18037-00-CI**	Additional ICS jacks and power connectors for Bose X headsets	**1.0**	**2.2**
	08-21008-A	**08-21008-00-CI**	Thales AHV 16 - Radio altimeter ***2***	**5.6**	**12.3**
⚠	*08-24011-B*	**08-24011-03-CI**	Honeywell KR 87 + KI227 - ADF	**3.7**	**8.1**
⚠	*08-24011-B*	**08-24011-04-CI**	Honeywell KR 87 + KI229 - ADF + RMI	**6.2**	**13.7**
	08-25003-A	**08-25003-00-CI**	Honeywell KN 63 - DME	**4.3**	**9.5**
	08-46001-A	**08-46001-00-CI**	GPS moving map ***3***	**On request**	
⚠	*08-70003-A*	**08-70003-00-CI**	Sagem 85 T 31 - 3-Axis autopilot with failure passivation unit	**26.0**	**57.3**
	08-83017-A	**08-83017-00-CI**	*VEMD* data download kit ***4*** - ***5***	**—**	**—**
	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 an other, 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 *May be a mandatory equipment, required by local airworthiness authorities or operational regulations.*
3 *The model currently certified is AVALEX AMS 7000. Other models can be proposed according to customer's operational needs.*
4 *Delivered in addition to the airborne kit, this kit includes two softwares and a connection wire.*
5 *Allows compliance to JAR OPS 3 Amendment 3 requirement, as defined in Appendix 1 to JAR OPS 3.517 (a) and (b)(5)(i).*

STANDARD INSTRUMENT PANEL LAY-OUT



1 - Clock
2 - Garmin GI106A – Course Deviation Indicator
3 - *VEMD*
4 - Instrument panel lighting control
5 - UI 9560 – Turn and Bank Indicator
6 - Airspeed Indicator
7 - NR/Ntl indicator
8 - Warning panel
9 - Thales H 321 EHM – Gyro-horizon
10 - Altimeter
11 - Rate of Climb indicator
12 - AIM 205-1 BL – Gyro-directional
13 - Garmin GTX 327 - Transponder (mode A + C)
14 - Fuses panel
15 - Control panel
16 - Honeywell KX165A – VHF/VOR/LOC/GS
17 - Garmin GMA340H - ICS
18 - Garmin GNS 430 – VHF/VOR/LOC/GS/GPS
19 - ELT control switch

Note : the picture is given for illustration purpose and features in particular the optional item 05-37010-01-CI “Duals controls”.

Vendor mission equipment

The purpose of this list is to specify some mission equipments that may be installed on the *AS350 B3* helicopter in order to fulfil specific operational needs. These equipments are not certified by *EUROCOPTER* and thus are not part of *EUROCOPTER*'s list of optional items. This list is provided for information purposes only, and is not to be considered as *EUROCOPTER*'s recommendation for one type of mission equipment. Unless otherwise specified, these equipments must be purchased directly from the related vendor, installed and used in accordance with the vendor's instructions. *EUROCOPTER* does not provide any warranty and disclaims any liability including, without limitation, in relation to the installation, conformity, performance and certification of such mission equipments.

Vendor	Name	kg	lb
Simplex	Fire-fighting installation, SIMPLEX 310 system, 1000 liters or 1200 liters	**Refer to SIMPLEX**	
Simplex	Crop-spraying installation, SIMPLEX 5100 system	**Refer to SIMPLEX**	
Air Ambulance Technology	EMS kit	**Refer to AAT**	

5- Table of Constraints

EXL Impossibility of simultaneous fitment of the fixed parts of 2 items of equipment

NSF Total or partial incompatibility of simultaneous fitment of the removal parts of two items of equipment

NSU Possibility of simultaneous fitment on the same aircraft, but impossible to use simultaneously

REQ Requires the fitting of

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
05-01018-B	05-01018-02-CI	CAA kit	X				06-42005-00-CI	LH landing light (swiveling in elevation and azimuth)	06-42005-A
05-02004-A	05-02004-00-CI	Extra charge for customized external paint - level 1	X				05-02005-00-CI	Extra charge for customized external paint - level 2	05-02005-A
			X				05-02006-00-CI	Extra charge for customized external paint, apart from levels 1 and 2	05-02006-A
05-02005-A	05-02005-00-CI	Extra charge for customized external paint – level 2	X				05-02004-00-CI	Extra charge for customized external paint – level 1	05-02004-A
			X				05-02006-00-CI	Extra charge for customized external paint, apart from levels 1 and 2	05-02006-A
05-02006-A	05-02006-00-CI	Extra charge for customized external paint, apart from levels 1 and 2	X				05-02004-00-CI	Extra charge for customized external paint – level 1	05-02004-A
			X				05-02005-00-CI	Extra charge for customized external paint – level 2	05-02005-A
05-24004-A	05-24004-00-CI	Tail rotor arch	X				08-10006-01-CI	Collins - HF 9X00 - HF/SSB	08-10006-A
05-32003-A	05-32003-00-CI	Copilot's windshield wiper	X				05-42005-00-CI	Air conditioning system	05-42005-A
05-37010-B	05-37010-01-CI	Dual controls		X			07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
				X			07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
				X			07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
05-42005-A	05-42005-00-CI	Air conditioning system	X				05-32003-00-CI	Copilot's windshield wiper	05-32003-A
			X				05-70001-01-CI	Hydraulic ground power receptacle	05-70001-A
			X				07-71001-00-FP	Lower casualty carrying installation with stretcher – Fixed Parts	07-71001-A
			X				07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
			X				07-71004-00-FP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Fixed Parts	07-71004-A
			X				07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
05-70001-A	05-70001-01-CI	Hydraulic ground power receptacle	X				05-42005-00-CI	Air conditioning system	05-42005-A
05-70002-A	05-70002-00-CI	Dual hydraulic circuit	X				05-72001-00-CI	Power take-off on MGB	05-72001-A
05-72001-A	05-72001-00-CI	Power take-off on MGB	X				05-70002-00-CI	Dual hydraulic circuit	05-70002-A
05-84001-A	05-84001-00-FP	Ferrying tank – Fixed Parts	X				07-00008-00-CI	Comfort layout	07-00008-A
			X				07-00010-00-CI	Comfort lay-out with sound-proofing	07-00010-A
			X				07-00012-00-CI	"Executive" lay-out	07-00012-A

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
05-84001-A	05-84001-00-RP	Ferrying tank – Removable Parts	X				07-00008-00-CI	Comfort layout	07-00008-A
			X				07-00010-00-CI	Comfort lay-out with sound-proofing	07-00010-A
			X				07-00012-00-CI	"Executive" lay-out	07-00012-A
				X			06-25001-00-CI	Drip tub (sea rescue)	06-25001-A
				X			07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
				X			07-25001-00-CI	3 places instead of 4 places transformation kit	07-25001-A
				X			07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
				X			07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
					X		06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
						X	05-84001-00-FP	Ferrying tank - Fixed Parts	05-84001-A
06-11008-A	06-11008-00-CI	Surfair Skis		X			06-61002-00-RP	Emergency floatation gear – Removable Parts	06-61002-A
						X	06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
							or	or	
						X	06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
							or	or	
						X	06-12014-01-CI	High skid landing gear with 2 short footsteps	06-12014-A
06-12011-A	06-12011-01-CI	Low skid landing gear with 2 single footsteps	X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
			X				06-12014-01-CI	High skid landing gear with 2 short footsteps	06-12014-A
			X				06-26003-00-CI	RH side external mirror	06-26003-A
			X				06-26004-00-CI	RH side electric and de-iced external mirror	06-26004-A
			X				06-27004-00-FP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Fixed Parts	06-27004-A
			X				06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
			X				06-27008-00-FP	Cargo swing (1 400 kg - 3,080 lb) – Fixed Parts	06-27008-A
			X				06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
			X				06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
06-12012-A	06-12012-01-CI	Low skid landing gear with 2 short footsteps	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12014-01-CI	High skid landing gear with 2 short footsteps	06-12014-A
			X				06-26003-00-CI	RH side external mirror	06-26003-A
			X				06-26004-00-CI	RH side electric and de-iced external mirror	06-26004-A
			X				06-27004-00-FP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Fixed Parts	06-27004-A
			X				06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
			X				06-27008-00-FP	Cargo swing (1 400 kg - 3,080 lb) – Fixed Parts	06-27008-A
			X				06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
			X				06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
			X				06-61002-00-FP	Emergency floatation gear – Fixed Parts	06-61002-A
			X				06-61002-00-RP	Emergency floatation gear – Removable Parts	06-61002-A
06-12014-A	06-12014-01-CI	High skid landing gear with 2 short footsteps	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
06-21001-A	06-21001-00-FP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Fixed Parts	X				06-21008-01-FP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Fixed Parts	06-21008-A
			X				06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
	06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	X				06-21008-01-FP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Fixed Parts	06-21008-A
					X		05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
					X		06-24001-00-CI	Rappelling installation (without rope)	06-24001-A
					X		06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
					X		06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
					X		06-61002-00-RP	Emergency floatation gear *1* - Removable Parts	06-61002-A
					X		07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
					X		07-25001-00-CI	3 places instead of 4 places transformation kit	07-25001-A
					X		07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
					X		07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
						X	06-21001-00-FP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Fixed Parts	06-21001-A

1 *Hoisting remains possible when the floats are folded.*

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
06-21008-A	06-21008-01-FP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Fixed Parts	X				06-21001-00-FP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Fixed Parts	06-21001-A
			X				06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
	06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	X				06-21001-00-FP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Fixed Parts	06-21001-A
			X				06-21018-00-CI	Support for Breeze electrical hoist	06-21018-A
					X		05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
					X		06-24001-00-CI	Rappelling installation (without rope)	06-24001-A
					X		06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
					X		06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
					X		06-61002-00-RP	Emergency floatation gear *1* – Removable Parts	06-61002-A
					X		07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
					X		07-25001-00-CI	3 places instead of 4 places transformation kit	07-25001-A
					X		07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
					X		07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
						X	06-21008-00-FP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Fixed Parts	06-21008-A
						X	05-63001-01-CI or	APC 200 A starter-generator or	05-63001-A
						X	05-63001-02-CI	Thales Avionics 200 A starter-generator	05-63001-A
06-21018-A	06-21018-00-CI	Support for Breeze electrical hoist	X				06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
						X	06-21008-00-FP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Fixed Parts	06-21008-A
06-24001-A	06-24001-00-CI	Rappelling installation (without rope)	X				07-50004-00-CI	Left rear hinged door instead of the standard one	07-50004-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
					X		06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
					X		06-61002-00-RP	Emergency floatation gear – Removable Parts *2*	06-61002-A
						X	07-50005-00-CI	Right rear sliding door	07-50005-A

1 *Hoisting remains possible when the floats are folded.*
2 *Rappelling remains possible when the floats are folded.*

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.

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
06-25001-A	06-25001-00-CI	Drip tub (sea rescue)	X				07-00008-00-CI	Comfort layout	07-00008-A
			X				07-00010-00-CI	Comfort lay-out with sound-proofing	07-00010-A
			X				07-00012-00-CI	"Executive" lay-out	07-00012-A
				X			05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
				X			07-25001-00-CI	3 places instead of 4 places transformation kit	07-25001-A
				X			07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
				X			07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
06-26003-A	06-26003-00-CI	RH side external mirror	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
06-26004-A	06-26004-00-CI	RH side electric and de-iced external mirror	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
06-27004-A	06-27004-00-FP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Fixed Parts	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
	06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
				X			06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-24001-00-CI	Rappelling installation (without rope)	06-24001-A
					X		07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
					X		07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
						X	06-27004-00-FP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Fixed Parts	06-27004-A
06-27008-A	06-27008-00-FP	Cargo swing (1 400 kg - 3,080 lb) – Fixed Parts	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
						X	07-15010-00-CI	Energy absorbing front seats *1*	07-15010-A

1 *If optional item 07-00012-00-CI is fitted.*

The data set forth in this document are general in nature and for information purposes only.
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Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
06-27008-A	06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
				X			06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
				X			06-47002-01-RP	Spectrolab SX 16 search-light – Removable Parts	06-47002-A
					X		05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-24001-00-CI	Rappelling installation (without rope)	06-24001-A
					X		07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
					X		07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
					X		07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
						X	06-27008-00-FP	Cargo swing (1 400 kg - 3,080 lb) – Fixed Parts	06-27008-A
06-27009-A	06-27009-00-CI	Capabilities for extended cargo sling	X				06-12011-01-CI	Low skid landing gear with 2 single footsteps	06-12011-A
			X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
				X			06-47002-01-RP	Spectrolab SX 16 search-light – Removable Parts	06-47002-A
					X		05-84001-00-RP	Ferrying tank – Removable Parts	05-84001A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
					X		07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
					X		07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
06-31005-A	06-31005-00-CI	Integrated hailers	X				06-61002-00-FP	Emergency floatation gear – Fixed Parts	06-61002-A
			X				06-61002-00-RP	Emergency floatation gear – Removable Parts	
				X	X			Being Studied	
06-47002-A	06-47002-01-RP	Spectrolab SX 16 search-light – Removable Parts		X			06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
				X			06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
						X	06-47002-01-FP	Spectrolab SX 16 search-light – Fixed Parts	06-47002-A
06-61002-A	06-61002-00-FP	Emergency floatation gear – Fixed Parts	X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
			X				06-31005-00-CI	Integrated hailers	06-31005-A

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Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
	06-61002-00-RP	Emergency floatation gear – Removable Parts	X				06-12012-01-CI	Low skid landing gear with 2 short footsteps	06-12012-A
			X				06-31005-00-CI	Integrated hailers	06-31005-A
				X			06-11008-00-CI	Surfair Skis	06-11008-A
					X		06-21001-00-RP	Air Equipement electrical hoist *1* (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist *1* (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-24001-00-CI	Rappelling installation (without rope) *2*	06-24001-A
						X	06-61002-00-FP	Emergency floatation gear – Fixed Parts	06-61002-A
06-74005-A	06-74005-01-CI	NVG friendly lighting for cockpit and standard avionics suite	X	X	X			Being Studied	
07-00008-A	07-00008-00-CI	Comfort layout	X				07-00010-00-CI	Comfort lay-out with sound-proofing	07-00010-A
			X				07-00012-00-CI	"Executive" lay-out	07-00012-A
			X				05-84001-00-FP	Ferrying tank – Fixed Parts	05-84001-A
			X				05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
			X				06-25001-00-CI	Drip tub (sea rescue)	06-25001-A
07-00010-A	07-00010-00-CI	Comfort lay-out with sound-proofing	X				07-00008-00-CI	Comfort layout	07-00008-A
			X				07-00012-00-CI	"Executive" lay-out	07-00012-A
			X				05-84001-00-FP	Ferrying tank – Fixed Parts	05-84001-A
			X				05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
			X				06-25001-00-CI	Drip tub (sea rescue)	06-25001-A
07-00012-A	07-00012-00-CI	"Executive" lay-out	X				06-27008-00-FP	Cargo swing (1 400 kg - 3,080 lb) – Fixed Parts *3*	06-27008-A
			X				06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts *3*	06-27008-A
			X				07-00008-00-CI	Comfort layout	07-00008-A
			X				07-00010-00-CI	Comfort lay-out with sound-proofing	07-00010-A
			X				07-00019-00-CI	Alternate fabrics for seats	07-00019-A
			X				07-00020-00-CI	Leather upholstery for seats	07-00020-A
			X				07-40003-00-CI	Velvet carpeting	07-40003-A
			X				05-84001-00-FP	Ferrying tank – Fixed Parts	05-84001-A
			X				05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
			X				06-25001-00-CI	Drip tub (sea rescue)	06-25001-A
						X	07-15010-00-CI	Energy absorbing front seats *4*	07-15010-A
07-00019-A	07-00019-00-CI	Alternate fabrics for seats	X				07-00012-00-CI	"Executive" lay-out	07-00012-A
			X				07-00020-00-CI	Leather upholstery for seats	07-00020-A
07-00020-A	07-00020-00-CI	Leather upholstery for seats	X				07-00012-00-CI	"Executive" lay-out	07-00012-A
			X				07-00019-00-CI	Alternate fabrics for seats	07-00019-A
						X	07-00008-00-CI	Comfort layout	07-00008-A
							or	or	
						X	07-00010-00-CI	Comfort lay-out with sound-proofing	07-00010-A

1 *Hoisting remains possible when the floats are folded.*
2 *Rappelling remains possible when the floats are flolded.*
3 *The incompatibility is cancelled if the 07-15010-00-CI is fitted.*
4 *If optional item 06-27008-00-FP is fitted.*

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.

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
07-15010-A	07-15010-01-CI	Lengthened rails for energy-absorbing front seats				X	07-15010-00-CI	Energy absorbing front seats	07-15010-A
07-24003-A	07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts		X			05-37010-01-CI	Dual controls	05-37010-B
				X			05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
				X			07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
				X			07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
					X		06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
						X	07-24003-00-FP	Left side two-place front bench seat (pilot on right side) – Fixed Parts	07-24003-A
07-25001-A	07-25001-00-CI	3 places instead of 4 places transformation kit		X			05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
				X			06-25001-00-CI	Drip tub (sea rescue)	06-25001-A
				X			07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
				X			07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
07-40003-A	07-40003-00-CI	Velvet carpeting	X				07-00012-00-CI	"Executive" lay-out	07-00012-A
				X			07-40004-00-CI	Washable floor covering	07-40004-A
				X			07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
						X	07-00008-00-CI	Comfort layout	07-0008-A
							or	or	
						X	07-00010-00-CI	Comfort lay-out with sound-proofing	07-00010-A
07-40004-A	07-40004-00-CI	Washable floor covering		X			07-40003-00-CI	Velvet carpeting	07-40003-A
				X			07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
07-50002-A	07-50002-02-CI	Improved side-visibility in LH large front door				X	07-50004-00-CI	Left rear hinged door instead of the standard one	07-50004-A
07-50004-A	07-50004-00-CI	Left rear hinged door instead of the standard one	X				06-24001-00-CI	Rappelling installation (without rope)	06-24001-A
			X				07-50006-00-CI	Sliding window, on rear LH sliding door	07-50006-A
07-50006-A	07-50006-00-CI	Sliding window, on rear LH sliding door	X				07-50004-00-CI	Left rear hinged door instead of the standard one	07-50004-A
07-50007-A	07-50007-00-CI	Sliding window, on rear RH sliding door				X	07-50005-00-CI	Right rear sliding door	07-50005-A

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
07-71001-A	07-71001-00-FP	Lower casualty carrying installation with stretcher – Fixed Parts	X				07-71004-00-FP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Fixed Parts	07-71004-A
			X				07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
			X				05-42005-00-CI	Air conditioning system	05-42005-A
	07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	X				05-42005-00-CI	Air conditioning system	05-42005-A
			X				07-71004-00-FP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Fixed Parts	07-71004-A
			X				07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	07-71004-A
				X			05-37010-01-CI	Dual controls	05-37010-B
				X			05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
				X			06-25001-00-CI	Drip tub (sea rescue)	06-25001-A
				X			07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
				X			07-25001-00-CI	3 places instead of 4 places transformation kit	07-25001-A
				X			07-40003-00-CI	Velvet carpeting	07-40003-A
				X			07-40004-00-CI	Washable floor covering	07-40004-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
					X		06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
						X	07-71001-00-FP	Lower casualty carrying installation with stretcher – Fixed Parts	07-71001-A
07-71004-A	07-71004-00-FP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Fixed Parts	X				07-71001-00-FP	Lower casualty carrying installation with stretcher – Fixed Parts	07-71001-A
			X				07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
			X				05-42005-00-CI	Air conditioning system	05-42005-A

Document Reference	Commercial Reference	Installation	Nature of the Constraint				Commercial Reference	Installation	Document Reference
			EXL	NSF	NSU	REQ			
	07-71004-00-RP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Removable Parts	X				05-42005-00-CI	Air conditioning system	05-42005-A
			X				07-71001-00-FP	Lower casualty carrying installation with stretcher – Fixed Parts	07-71001-A
			X				07-71001-00-RP	Lower casualty carrying installation with stretcher – Removable Parts	07-71001-A
				X			05-37010-01-CI	Dual controls	05-37010-B
				X			05-84001-00-RP	Ferrying tank – Removable Parts	05-84001-A
				X			06-25001-00-CI	Drip tub (sea rescue)	06-25001-A
				X			07-24003-00-RP	Left side two-place front bench seat (pilot on right side) – Removable Parts	07-24003-A
				X			07-25001-00-CI	3 places instead of 4 places transformation kit	07-25001-A
					X		06-21001-00-RP	Air Equipement electrical hoist (136 kg - 300 lb - 40 m - 131 ft cable) – Removable Parts	06-21001-A
					X		06-21008-01-RP	Breeze electrical hoist (204 kg - 450 lb - 50 m - 164 ft cable) – Removable Parts	06-21008-A
					X		06-27004-00-RP	Cargo sling with dynamometer (750 kg - 1,654 lb) – Removable Parts	06-27004-A
					X		06-27008-00-RP	Cargo swing (1 400 kg - 3,080 lb) – Removable Parts	06-27008-A
					X		06-27009-00-CI	Capabilities for extended cargo sling	06-27009-A
						X	07-71004-00-FP	Lower casualty-carrying installation with stretcher adapted to the mountain rescue – Fixed Parts	07-71004-A
08-10006-A	08-10006-01-CI	Collins - HF 9X00 - HF/SSB	X				05-24004-00-CI	Tail rotor arch	05-24004-A
08-24011-B	08-24011-03-CI	Honeywell KR 87 + KI227 – ADF	X				08-24011-04-CI	Honeywell KR 87 + KI229 – ADF + RMI	08-24011-B
08-24011-B	08-24011-04-CI	Honeywell KR 87 + KI229 – ADF + RMI	X				08-24011-03-CI	Honeywell KR 87 + KI227 – ADF	08-24011-B
						X	08-52012-00-CI	Honeywell KCS 55 A – Gyro compass with Honeywell KI 525A – Horizontal Situation Indicator instead of AIM 205–1 BL – Gyro-directional and Honeywell GI106A – Course Deviation Indicator	08-52012-A
08-51018-B	08-51018-02-CI	Thales H 140 BHM2 - Gyro-horizon instead of Thales H 321 EHM - Gyro-horizon	X				08-70003-00-CI	Sagem 85 T 31 - 3-Axis autopilot with failure passivation unit	08-70003-A
08-70003-A	08-70003-00-CI	Sagem 85 T 31 3-Axis autopilot with failure passivation unit	X				08-51018-02-CI	Thales H 140 BHM2 - Gyro-horizon instead of Thales H 321 EHM - Gyro-horizon	08-51018-B
						X	05-62001-00-CI	250 VA AC generation system	05-62001-A
						X	08-51020-00-CI	Thales H140JAM 1 – Gyro-Horizon instead of Thales H321 EHM indicator	08-51020-A
						X	08-52012-00-CI	Honeywell KCS 55 A – Gyro compass with Honeywell KI 525A – Horizontal Situation Indicator instead of AIM 205-1 BL – Gyro-directional and Honeywell GI106A – Course Deviation Indicator	08-52012-A

6- Main performance

The following performance values and figures refer to an ***AS350 B3***, 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**	272 147	271 146	266 144	260 140	258 140
■ Recommended cruise speed	**km/hr** **kts**	235 127	235 127	235 127	235 127	235 127
■ Fuel consumption at recommended cruise speed	**kg/hr** **lb/h**	145 319.5	146.5 323	149.5 329.5	154 339.5	155 342
■ Rate-of-climb	**m/sec** **ft/min**	12.5 2,456	12.0 2,371	11.3 2,228	10.3 2,037	10.0 1,979
■ Hover ceiling I.G.E. at Take-off power						
● ISA	**m** **ft**	>7,000 >22,965	6,075 19,930	5,135 16,875	4,260 13,975	4,050 13,285
● ISA + 20°C	**m** **ft**	6,380 20,930	5,335 17,500	4,375 14,350	3,475 11,400	3,255 10,675
■ Hover ceiling OGE at Take-off power						
● ISA	**m** **ft**	6,520 21,390	5,480 17,975	4,520 14,825	3,630 11,905	3,415 11,200
● ISA + 20°C	**m** **ft**	5,790 18,995	4,725 15,500	3,735 12,250	2,810 9,215	2,585 8,480
■ Service ceiling (1 m/sec., 200 ft/min.)	**m** **ft**	>7,000 >22,965	>7,000 >22,965	6,130 20,110	5,280 17,320	5,070 16,630
■ Range (without reserve at recommended cruise speed)	**km** **nm**	467 252	691 373	682 368	669 361	665 359
■ Endurance (without reserve at 100 km/hr – 54 kts)	**hr : min**	3h19	4h40	4h28	4h17	4h14

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.

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	Maximum or Recommended cruising speed	Range	Rate of climb	Hourly fuel consumption
High skid landing gear instead of low LG	– 2 kts / – 4 km/hr	– 1.5 %	/	/
Long footsteps on high landing gear	– 2 kts / – 4 km/hr	– 1.5 %	– 2.5 %	/
Total	**– 4 kts / – 8 km/hr**	**– 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 : 7,010 m - 23,000 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		

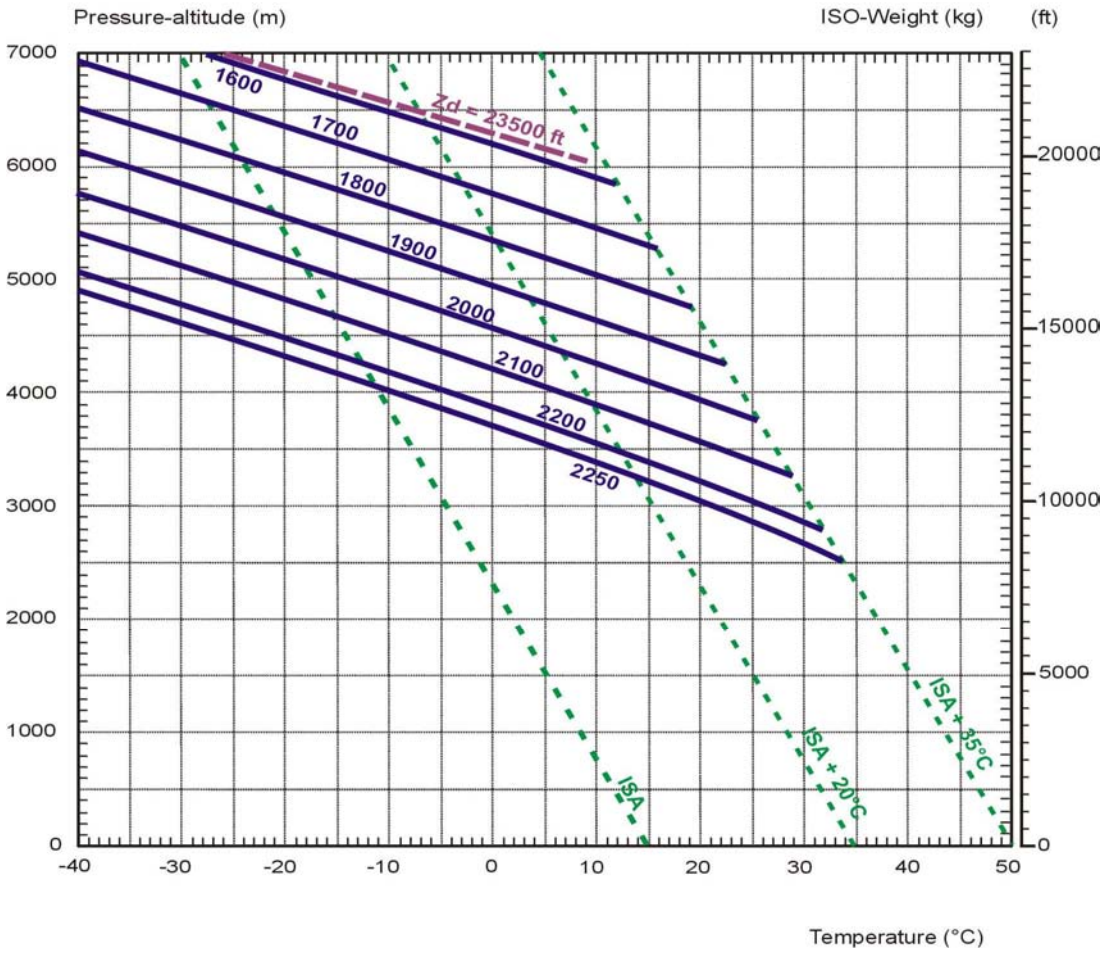
Performance charts

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 I.G.E.

at maximum TOP

(Height 5 ft)

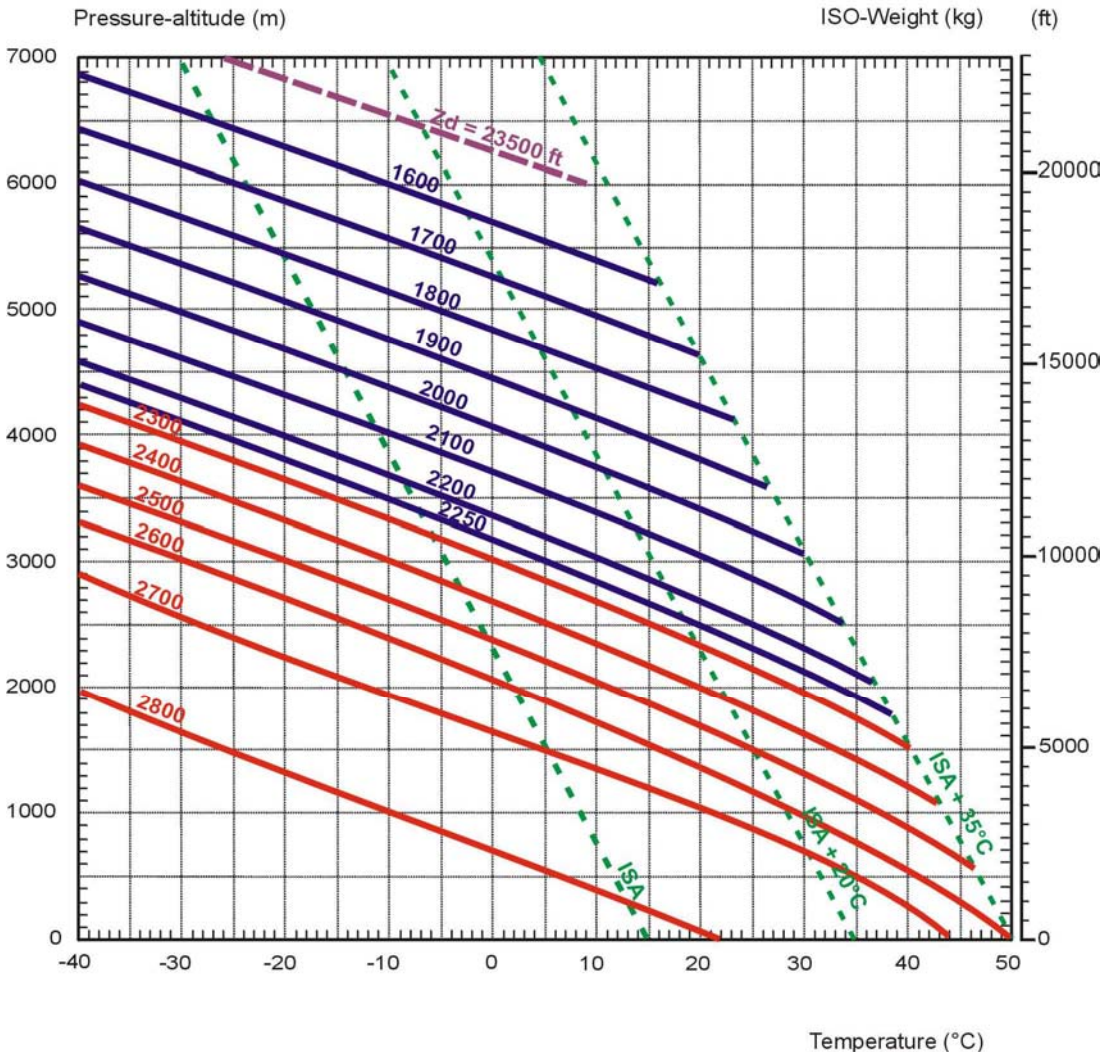


Note : Approved performance, as long as the engine meets the power check criteria, as defined in the Flight Manual.

Note : The Zd curve corresponds to the maximum demonstrated envelope.

TAKE-OFF WEIGHT IN HOVER O.G.E.

at maximum TOP



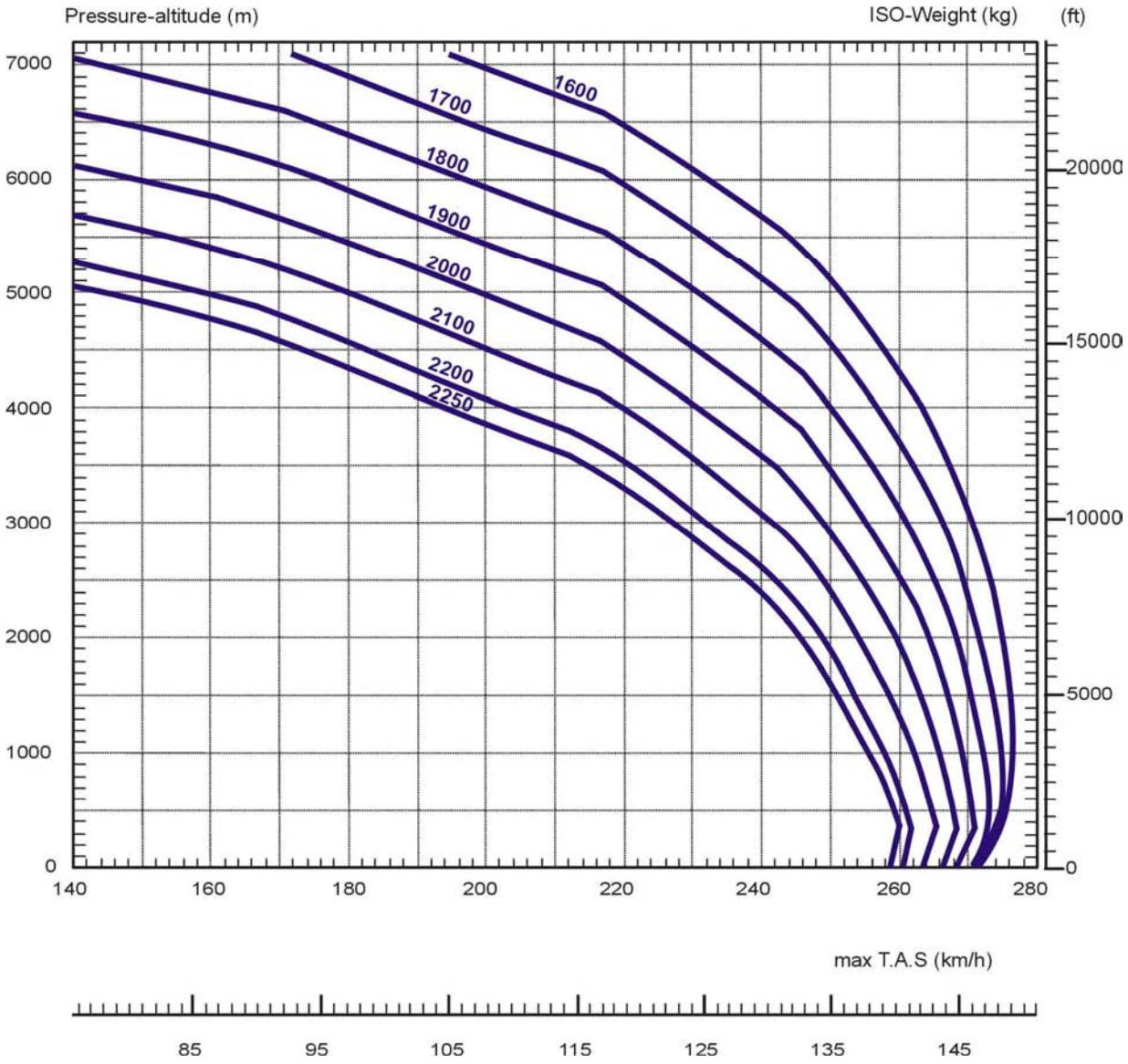
Note : ISO weight curves from 2,300 to 2,800 kg are curves with external load.

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

Note : The Zd curve corresponds to the maximum demonstrated envelope.

FAST CRUISE SPEED

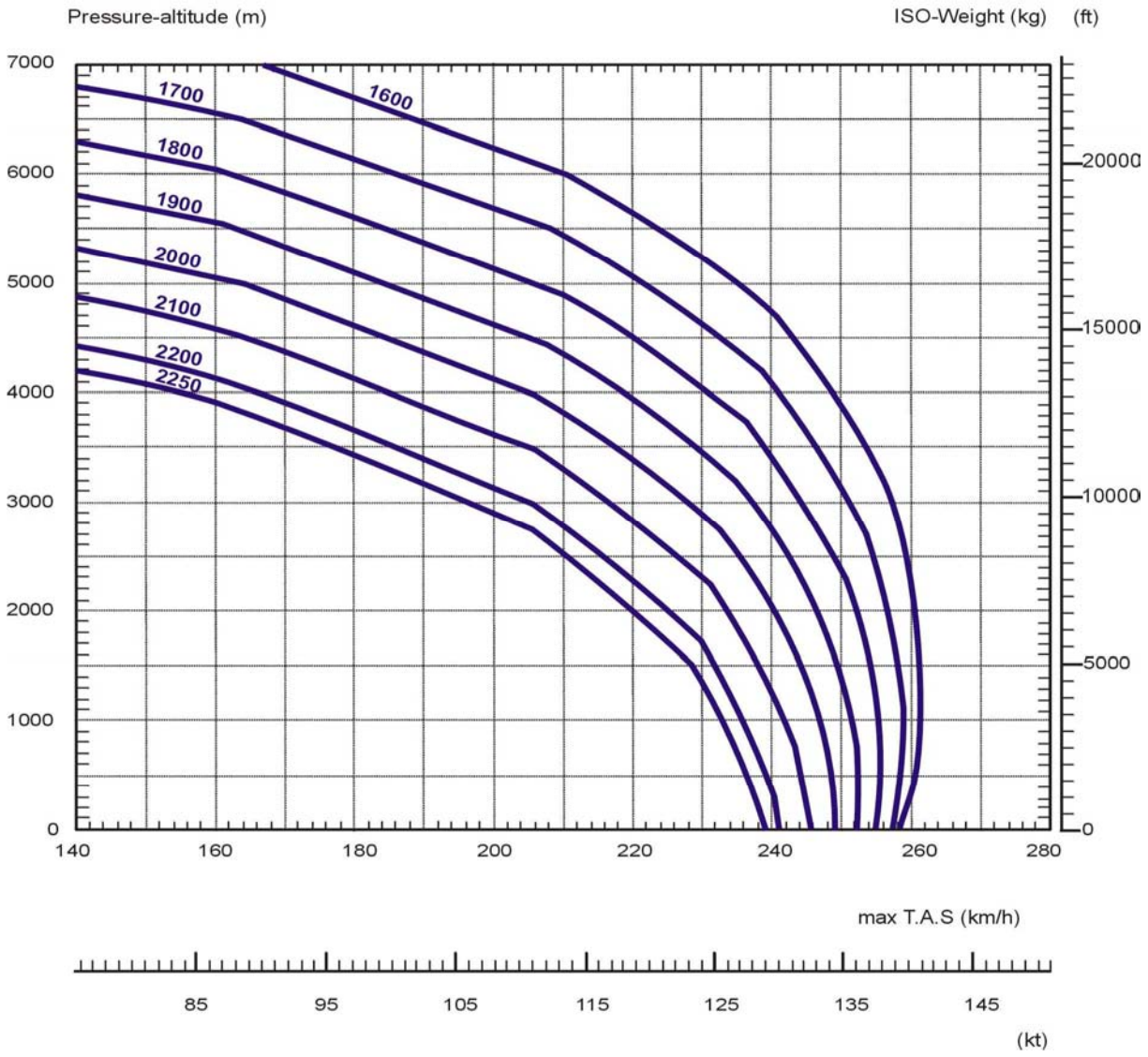
ISA



Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 30).

FAST CRUISE SPEED

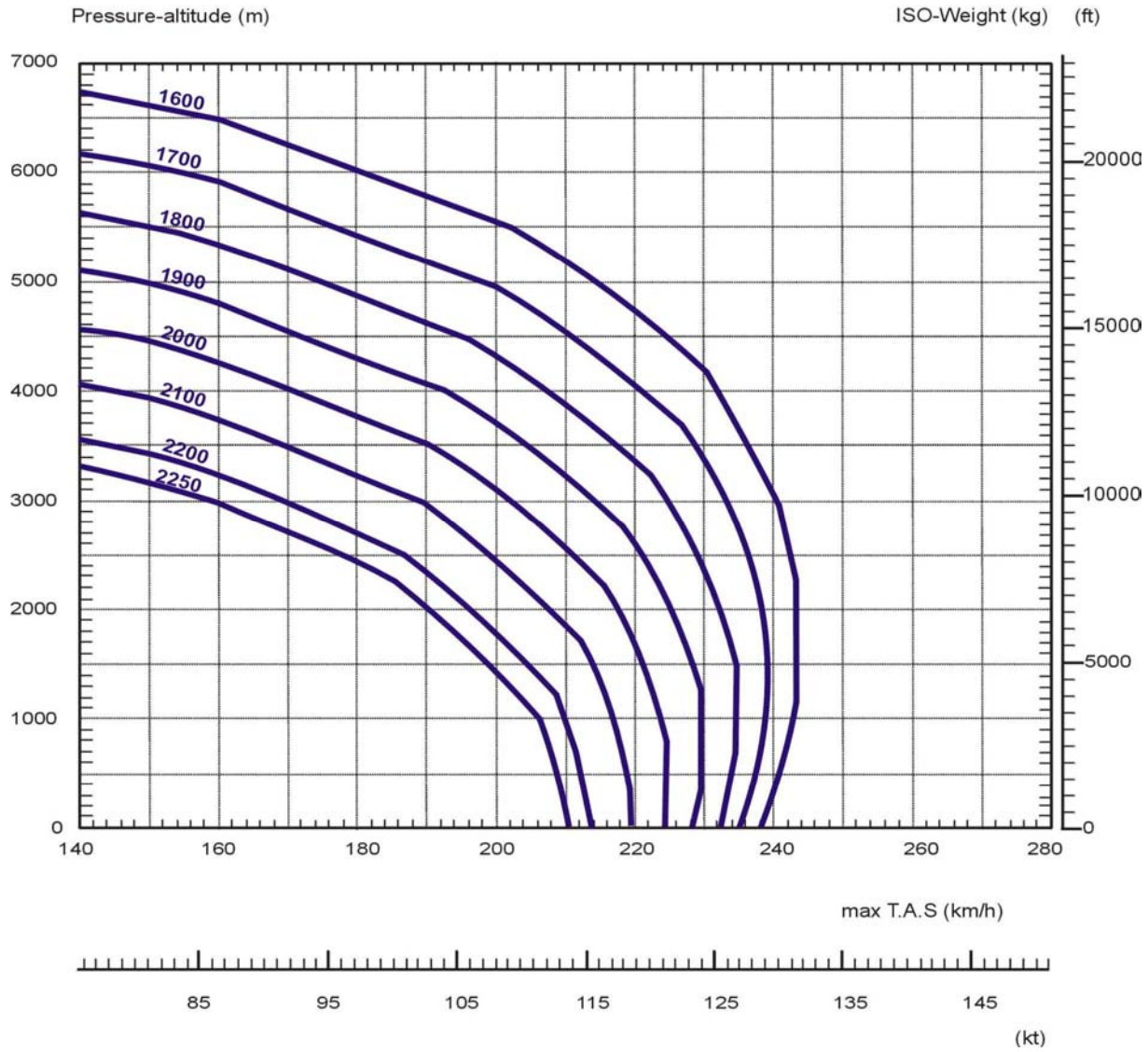
ISA + 20°C



Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 30).

FAST CRUISE SPEED

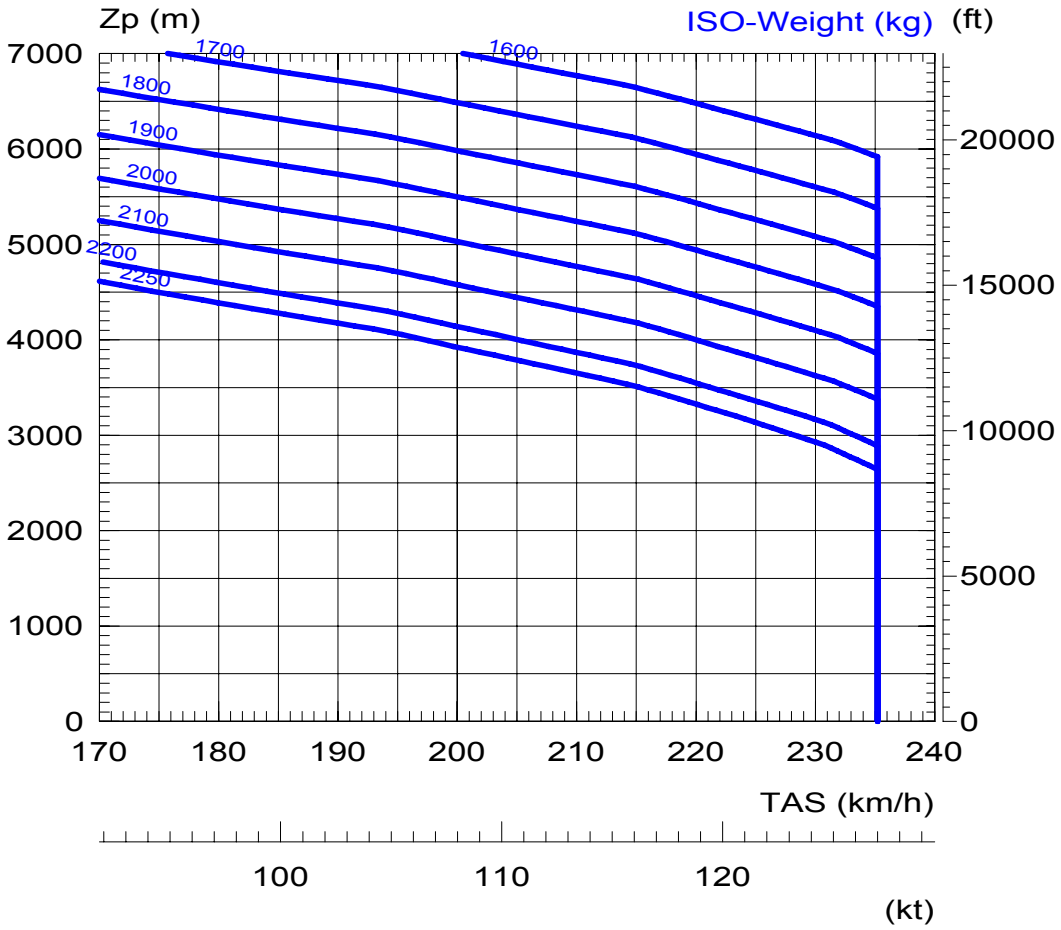
ISA + 35°C



Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 30).

RECOMMENDED CRUISE SPEED

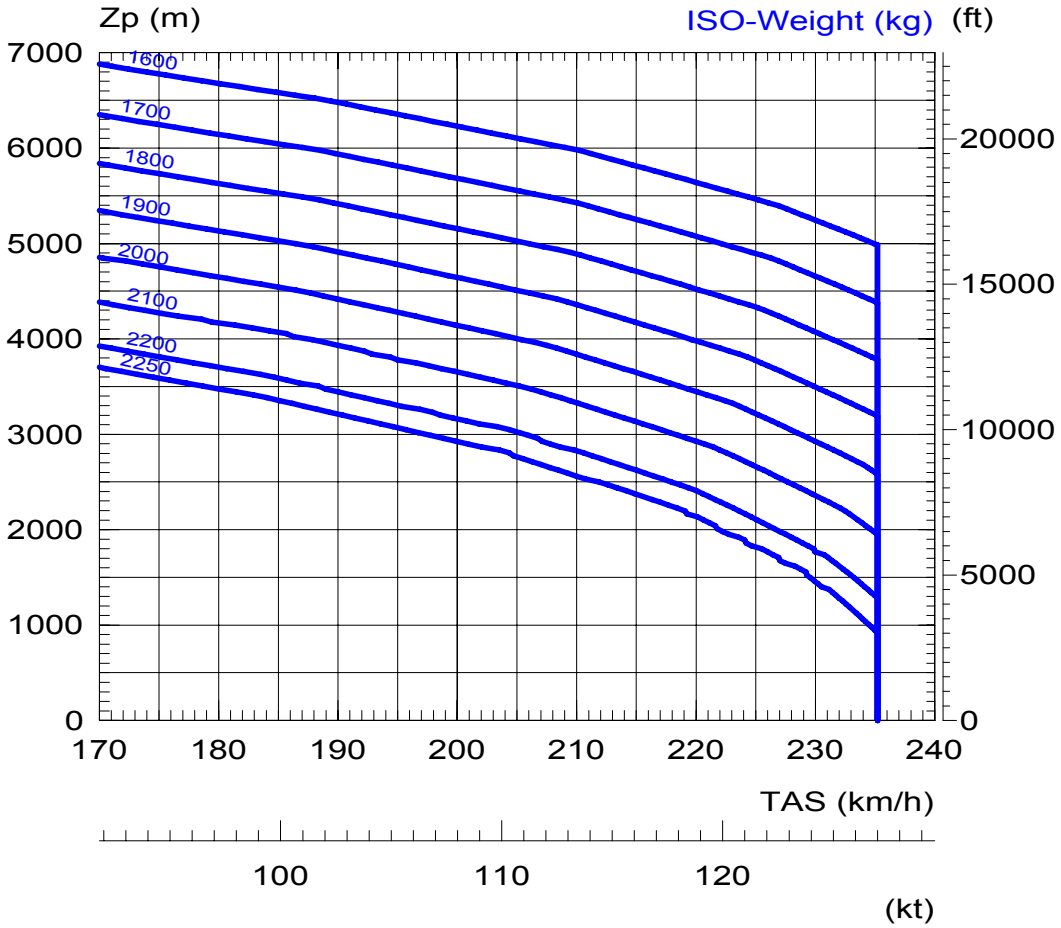
ISA



Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 30).

RECOMMENDED CRUISE SPEED

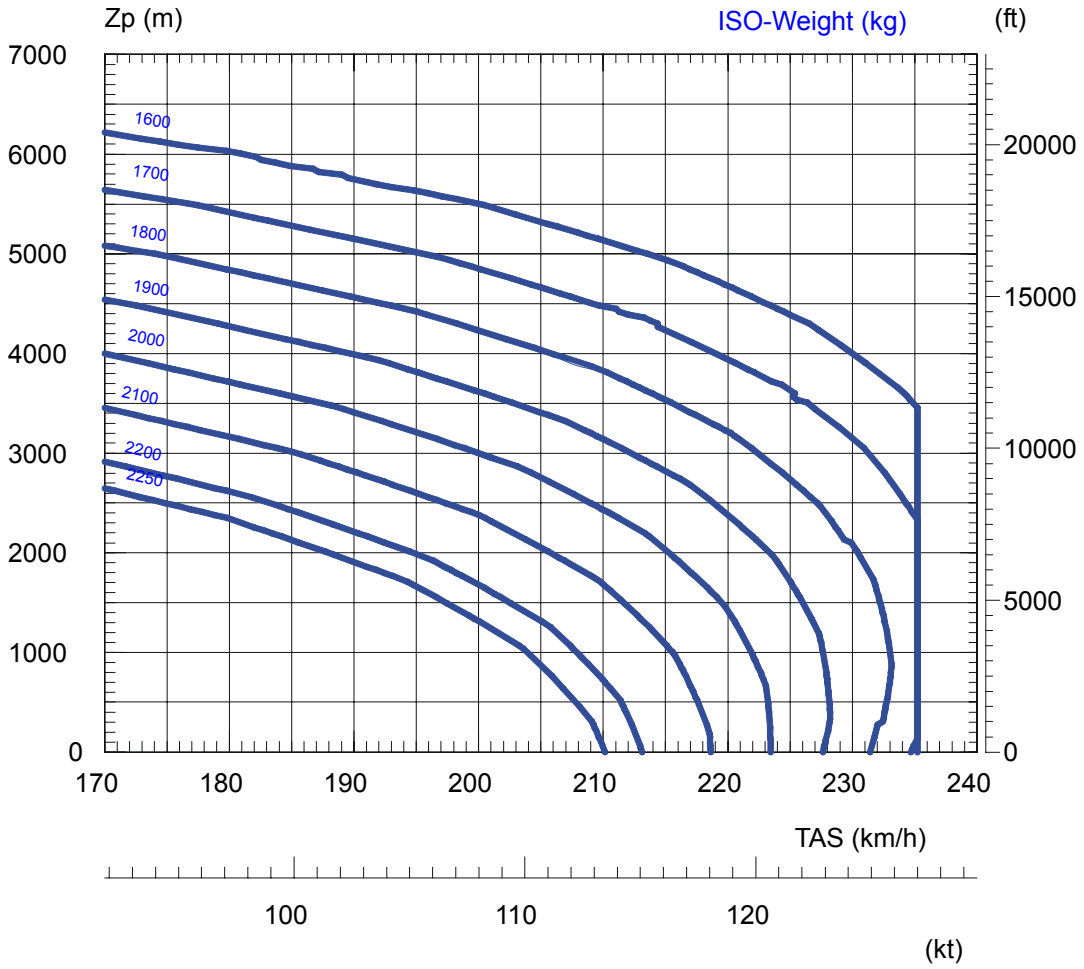
ISA + 20°C



Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 30).

RECOMMENDED CRUISE SPEED

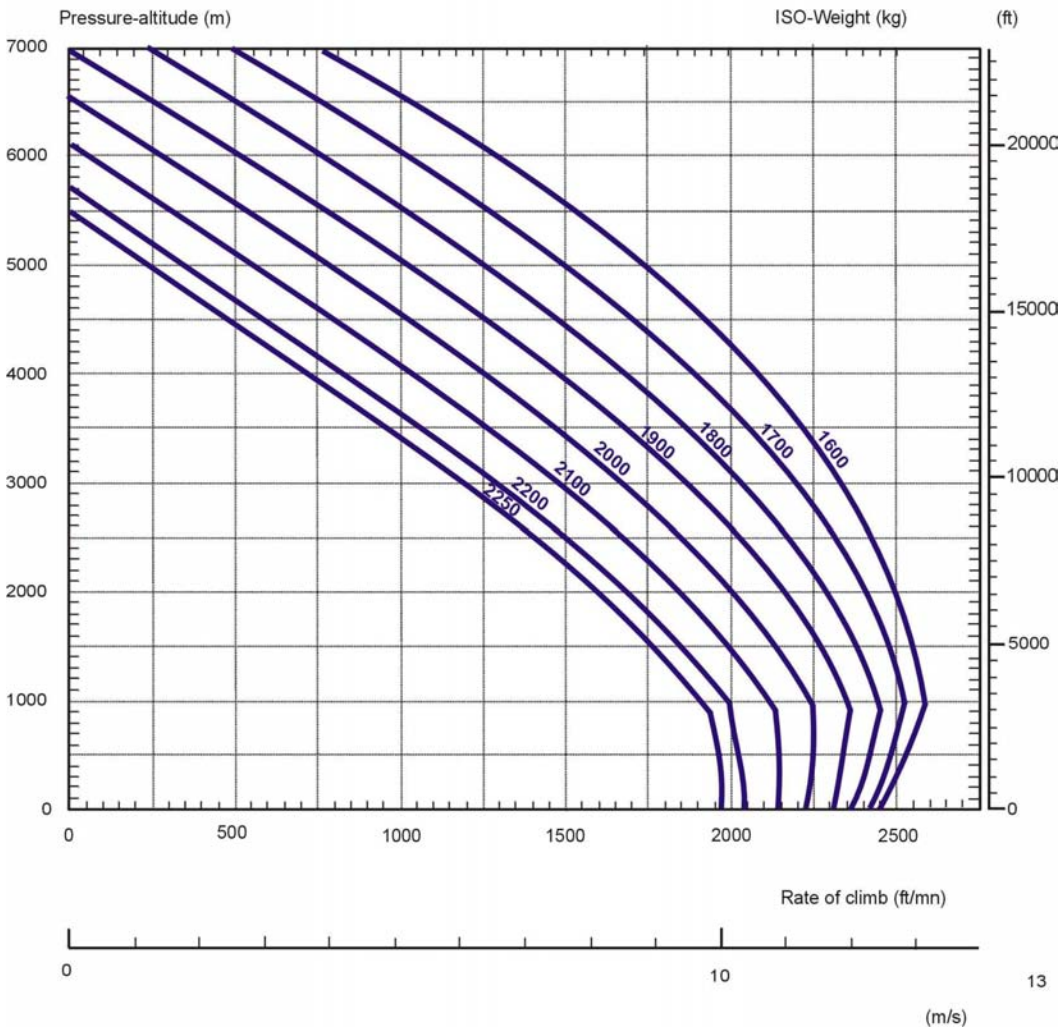
ISA + 35°C



Note : Typical performance with clean standard aircraft equipped with the optional Low landing gear (see page 30).

RATE OF CLIMB IN OBLIQUE FLIGHT

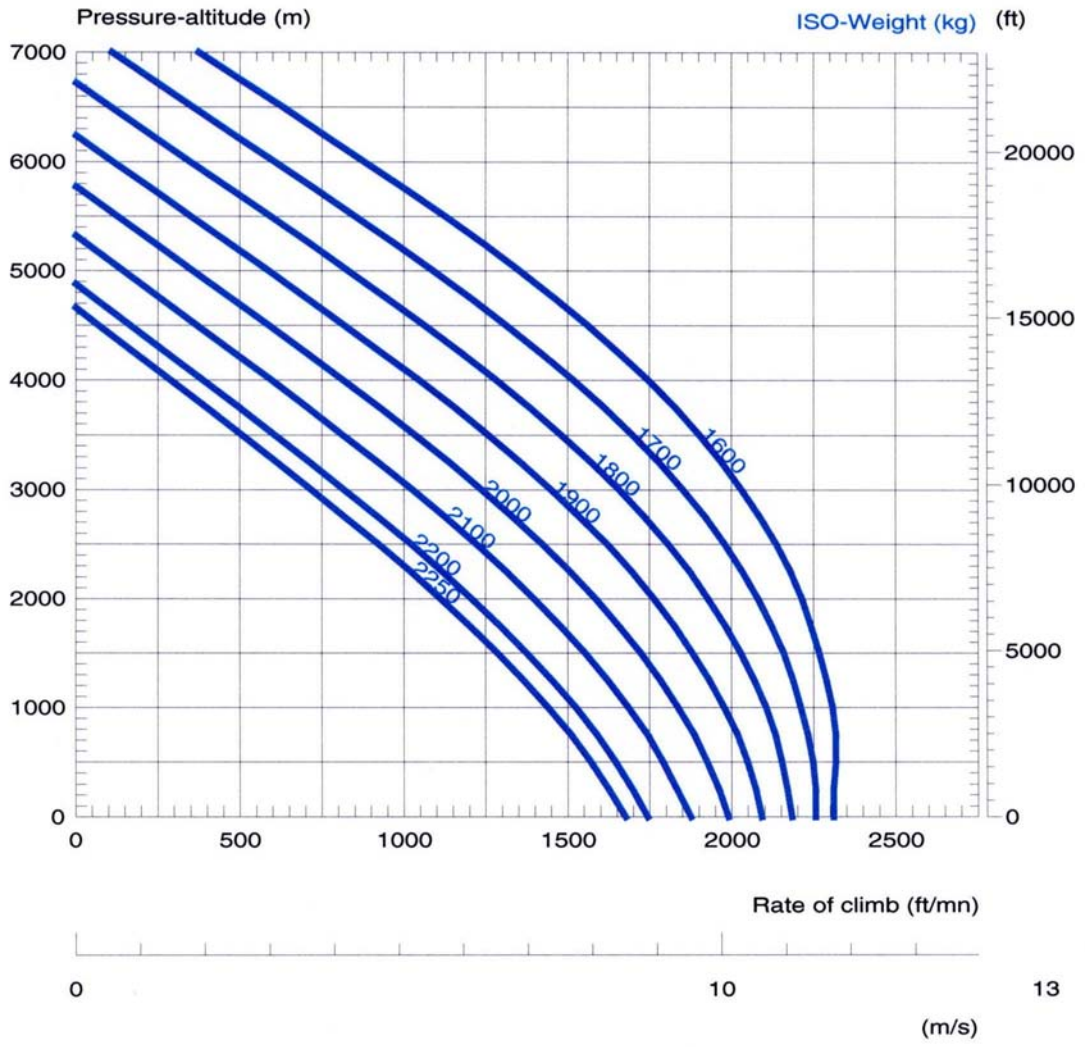
ISA



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 30).

RATE OF CLIMB IN OBLIQUE FLIGHT

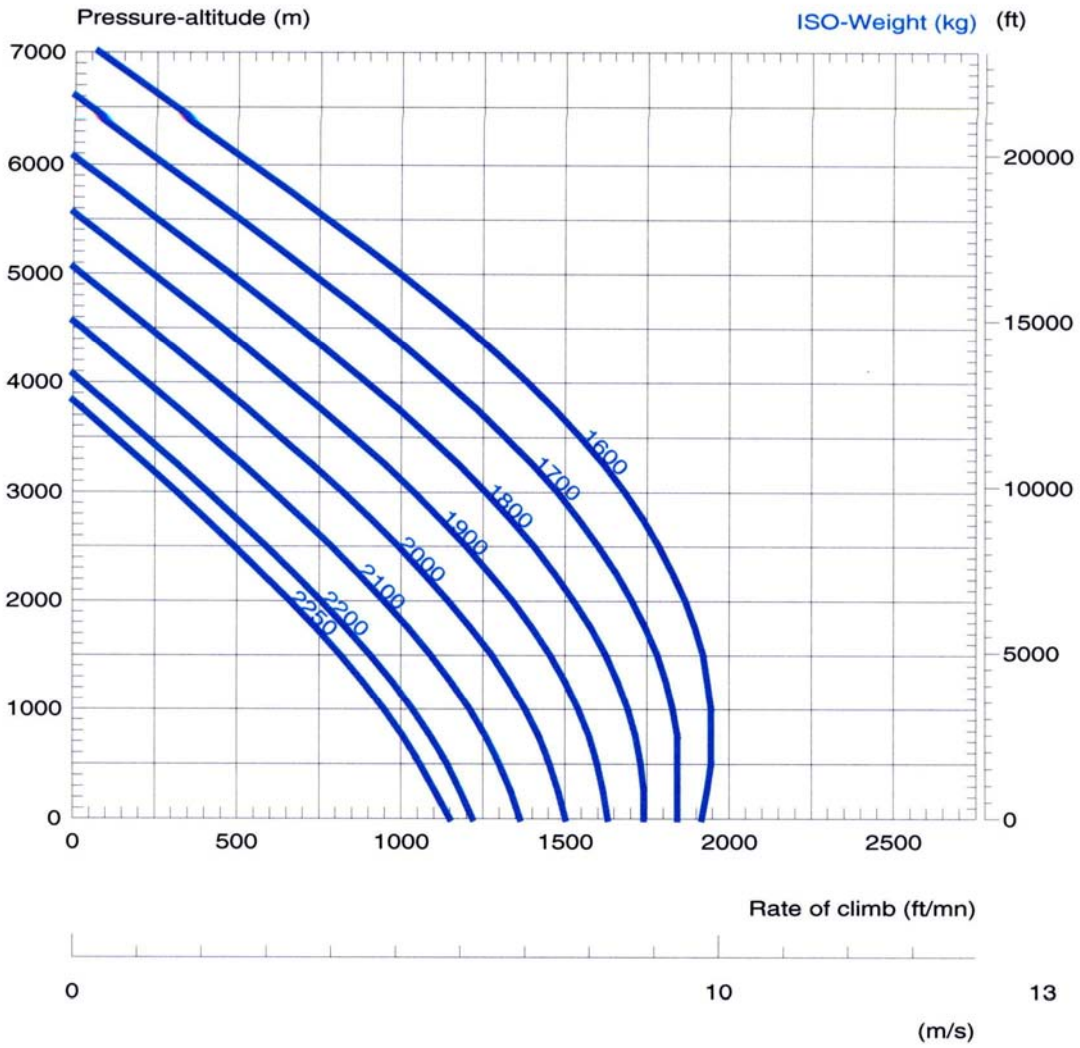
ISA + 20°C



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 30).

RATE OF CLIMB IN OBLIQUE FLIGHT

ISA + 35°C

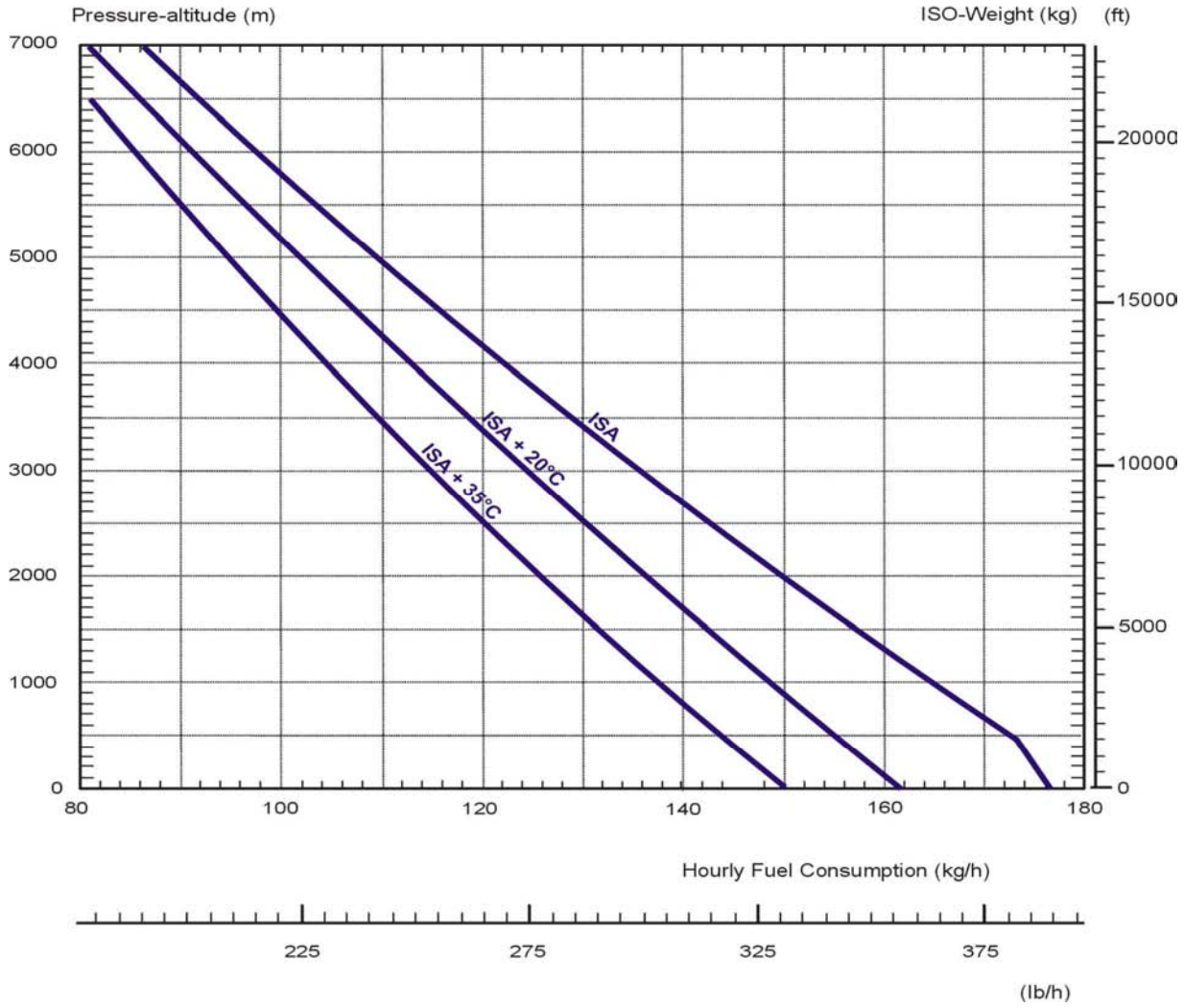


Note : Approved performance, as long as the engine meets the power check criteria, as defined in the Flight Manual for a clean standard aircraft equipped with the optional Low landing gear (see page 30).

HOURLY FUEL CONSUMPTION

at fast cruise speed

ISA, ISA + 20°C, ISA + 35°C

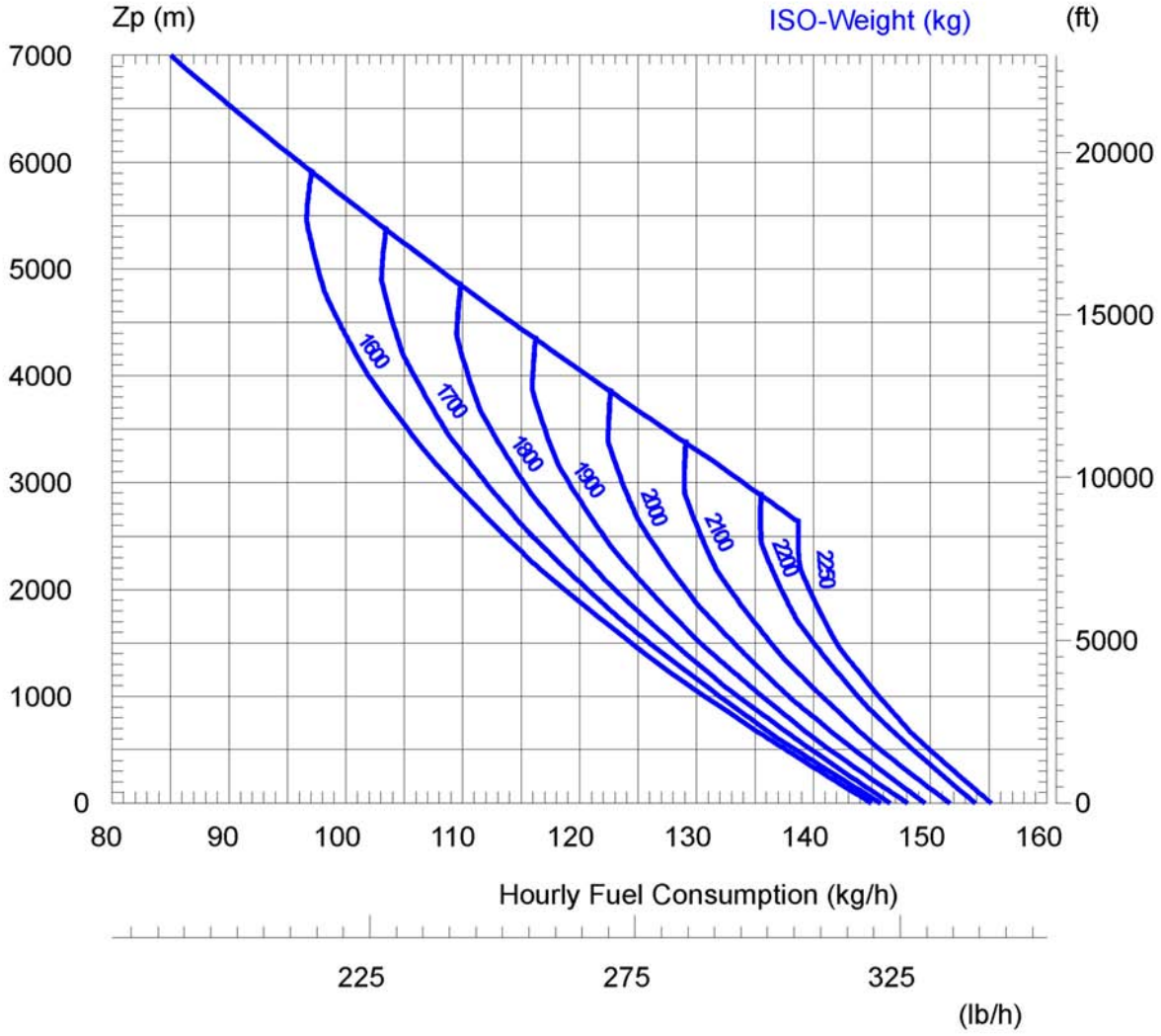


Note : Typical consumption with clean standard aircraft and new engine.

HOURLY FUEL CONSUMPTION

at recommended cruise speed

ISA

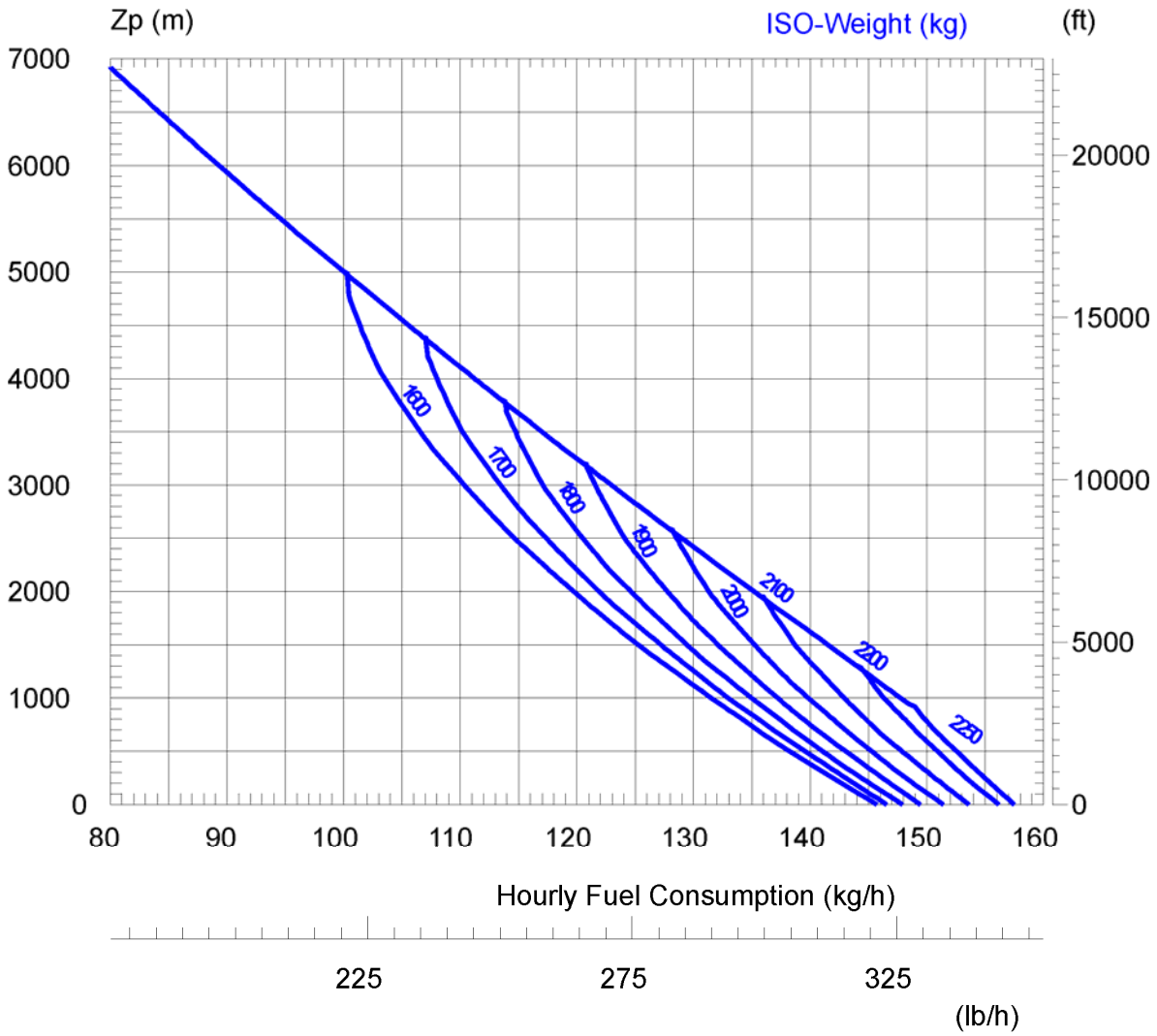


Note : Typical consumption with clean standard aircraft and new engine.

HOURLY FUEL CONSUMPTION

at recommended cruise speed

ISA + 20°C

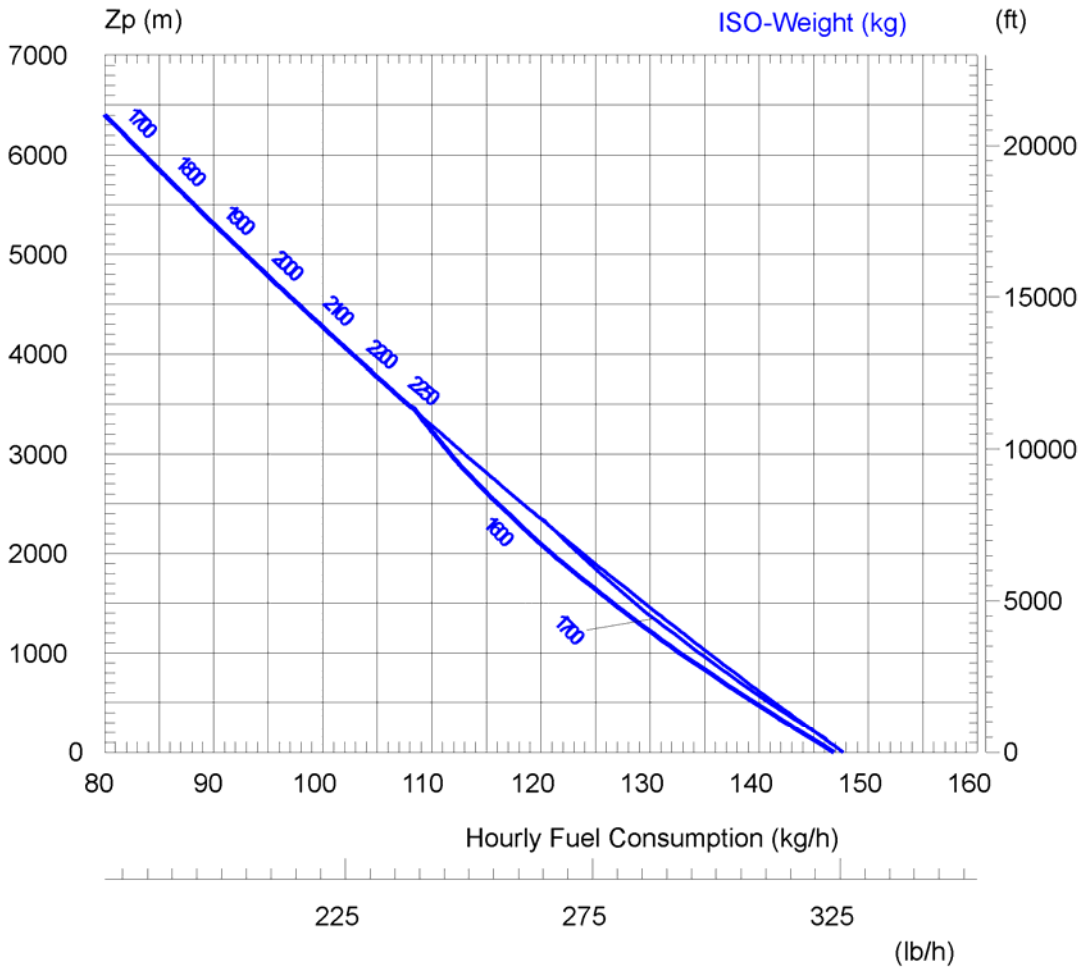


Note : Typical consumption with clean standard aircraft and new engine.

HOURLY FUEL CONSUMPTION

at recommended cruise speed

ISA + 35 °C



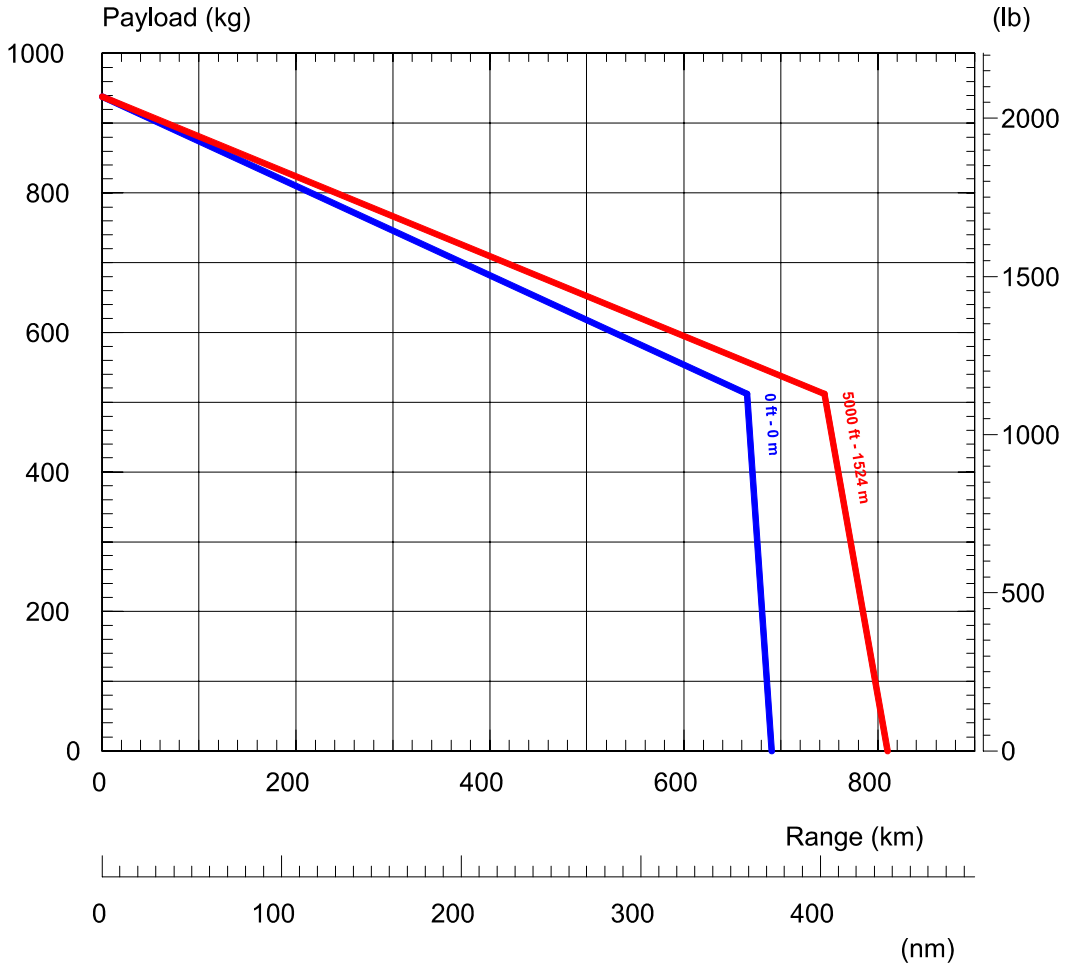
Note : Typical consumption with clean standard aircraft and new engine.

PAYLOAD / RANGE

ISA

Recommended cruise speed

Empty weight equipped a/c + 1 pilot : 1,312 kg - 2,892 lb *1*



Note : Typical mission without reserve, with clean aircraft equipped with the optional Low landing gear (see page 30) and new engine.

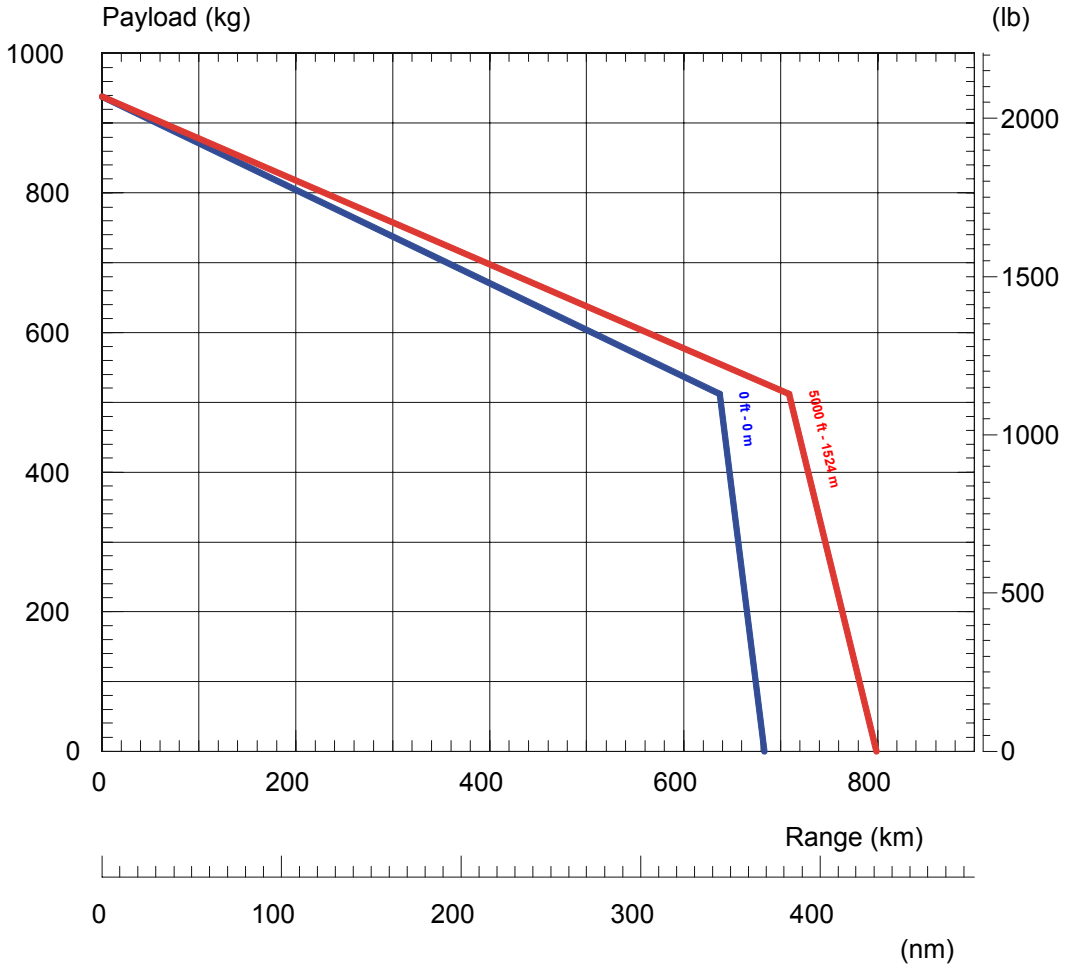
1 *Aircraft equipped and approved for VFR day and night operations (avionics included in empty weight).*

PAYLOAD / RANGE

ISA + 35°C

Recommended cruise speed

Empty weight equipped a/c + 1 pilot : 1,312 kg - 2,892 lb *1*



Note : Typical mission without reserve, with clean aircraft equipped with the optional Low landing gear (see page 30) and new engine.

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

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 millions flight hours),
- Among innovative equipment providing flight information, the "Vehicle and Engine Multifunction Display" (*VEMD*) also offers maintenance information (failure data recording and troubleshooting information). Usage data may be downloaded on a laptop, for fleet data management, in accordance with some operational requirements,
- 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).

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	3.8 MMH *2*
■ 500 flight hrs or 24 months periodicity tasks Including average "corrective" works	125 MMH

- **Unscheduled (reliability cause)** **0.28 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.*

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.

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

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

* Target values

Documentation

EUROCOPTER AS350 B3 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 2B1 engine documentation is available both under CD-ROM and paper format.

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