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EC145 (BK117C2) Pre-Owned

AIRBUS HELICOPTERS

AIRBUS

EC145

GENERAL INFORMATION

Make:	Airbus
Model:	EC145 (BK117C2)
Serial Number:	9298
Price:	\$2,350,000
Available:	March/April 2023
Year:	2009
Registration:	N145SM
Configuration:	Emergency Medical
Certified Operations:	Single Pilot IFR and NVG
Location:	Mankato, Minnesota USA
TTSN:	~9,125 Hrs.
Engine Model:	Safran Arriel 1E2 (2ea)
Dedicated Mission:	EMS
Maintenance Status:	See summaries pages 7-10



***Buyer shall be responsible for removal of all branding prior to pricing into operational service**

EC145

AVIONICS

Air Methods Instrument & Avionics STC SR00650DE and SR00650D

Avionics Cooling Fan	705722-00
Co-Pilot Light Assy	01-70190-w-12
Pilot light Assy	01-70190-w-12
GNS 430W #1 XCVR	011-01060-00
GNS 530W #2 XCVR	011-01064-00
GPS Selector Switch	LED-6A-15-ND-36122
NAV Diplexer	CI-1125
Weather Radar and Mount	STC# SR00594DE-D
Radome	STC# SR00594DE-D
TDFM 7000 Transceiver	051240-3-71158NVP7
RC-7000 Remote Control	STC SR00592DE-D
Pilot Audio Panel	AA95-912N
Co-Pilot Audio Panel	AA95-912N
Crew Audio Panel	AA95-913N
ICS Control Panel	AA31-104
Co-Pilot Foot Selector Switch	LED-42-15-ND355566
Doppler Pre-Amp	108-1110-80
Co-Pilot Foot Switch	M8805-55-002
XPDR #1 GTX 345	011-03302-00
XPDR #2 GTX 345	011-03302-00



EC145

AVIONICS

Air Methods Instrument & Avionics STC SR00650DE and SR00650D

KRA405B XCVR- Radar Altimeter	066-01153-0101
Receiver KR-22	066-01065-0000
ELT Transmitter C-406N-HM	453-5061
ELT Remote Switch	345-6196-04
ELT Buzzer	130-4004
MFD GMX200	011-01467-00
GDL69 XCVR	011-00986-00
MKXXI EGPWS Processor	965-1227-005
MKXXI EGPWS Config Module	071-01710-0021
Terrain Warning Indicator	LED-40-18-KB37091
Terrain Inhibitor Indicator	LED-40-17-SE37092
Terrain Press to Test Switch	LED-41-12-KB-37090
Low Altitude Switch	LED-41-12-KB37093
Dimmer (WAAS)	LD12-002
Avionics Fan	705722-00

Outerlink System STC SR00374BO

Outerlink Data Monitor & Processor	N00-5100
Outerlink Dialer Control Panel	N00-5200
Outerlink Camera (IRIS System)	N00-5300
Outerlink VIASAT Terminal	N00-5400
Outerlink GPS/IRIDIUM Antenna	5G1516RR-AP-XST-1
Outerlink Area Microphone	N008-0061



EC145

MISSION EQUIPMENT

Air Methods Emergency Medical System STC SR00592DE

Modular Storage Unit Aft.	779-1073
Med Crew Fire-X Mount	779-1137
Med Crew Fire-X Mount w/ Extinguisher	779-1062
Pilot Fire-X Mount w/ Extinguisher	779-1062
L/H Crew Seat - Max Fwd.	779-1043
L/H Crew Seat - Max Aft.	779-1043
R/H Fwd. Crew Seat - Max Fwd.	779-1043
R/H Aft. Crew Seat - Max Fwd.	779-1043
R/H Aft. Crew Seat - Max Aft.	779-1043

Additional and Misc. Equipment

Air Methods External LOX System	STC# SR00635DE-D
Alaris Mini Med. Mount	779-1059
Alaris Mini Mount w/ Equip.	779-1059
Night Scanner	STC# SR00586DE-D
Super Night Scanner	STC# SR00586DE-D
Crosstube Landing Light	STC# SR00587DE-D
Concorde Battery	STC#SR09298RC-D
AirCom A/C System	STC#SR00601DE
NVG Compatible	STC# SR00596DE-D
Devore Floodlights	STC# SR00624DE-D
Single/Dual Pilot WAAS Upgrade (FAA 337)	STC# SR09495RC-D



EC145

MAJOR COMPONENTS STATUS

OH = Overhaul SLL = Service Life Limit INSP = Inspection HRS = Hours CYC = Cycle M = Month

Component	OH/SLL	Part number	Frequency	Time remaining
Main Rotor Blade 1	SLL	B621M1002104	25,000 hrs	16,843 hrs (67%)
Main Rotor Blade 2	SLL	B621M1002104	25,000 hrs	17,088 hrs (68%)
Main Rotor Blade 3	SLL	B621M1002104	25,000 hrs	17,088 hrs (68%)
Main Rotor Blade 4	SLL	B621M1002104	25,000 hrs	16,843 hrs (67%)
Main Transmission	OH	B632K1001051	5,000 hrs	172 hrs (3%)
MGB Case Assembly	SLL	B632K1020101	10,000 hrs	2,742 hrs (27%)
Main Rotor Shaft	SLL	4639205027	30,000 hrs	20,852 hrs (70%)
MR Head Assembly	INSP	B622M1002101	4,800 hrs	4,514 hrs (94%)
Tension Torsion Straps	SLL	B622M10t1001	144 m	139 m (97%)
Inner Sleeve Assemblies	SLL	B622M1009101	13,300 hrs	4,175 hrs (31%)
Quad Nuts Upper/Lower	SLL	B622M1004201 B622M1005201	60,000 cyc	36,320 cyc (61%)



***Times Remaining are Based on a Projected Airframe Total Time of 9,125 Hours and Availability March 31, 2023. Represented are only the major component.; Times and cycles will vary at the actual time of purchase and the Buyer shall be responsible for validating all OH and SLL limited items life remaining.**

As the pre-owned helicopter described here may currently still be in use/operation, the details specified here are only to be understood as a guideline for the respective helicopter's condition and the here mentioned condition and component life times may be subject to changes depending upon such use/operation..

EC145

MAJOR COMPONENTS STATUS

OH = Overhaul **SLL = Service Life Limit** **INSP = Inspection** **HRS = Hours** **CYC = Cycle** **M = Month**

Component	Oh/sll	Part number	Frequency	Time remaining
Rotor Star	SLL	B622M1001201	26,800 hrs	17,675 hrs (66%)
Main Servo / Longitudinal	OH	B673M30A1101	7,500 hrs	5,735hrs (76%)
Main Servo / Lateral	OH	B673M30A1301	7,500 hrs	5,735hrs (76%)
Main Servo / Collective	OH	B673M30A1203	7,500 hrs	5,735hrs (76%)
Intermediate Gearbox	OH	4639002009	**1,500 hrs	604 hrs (40%)
Tail Rotor Gearbox	OH	4639003011	**1,800 hrs	1,514 hrs (84%)
Tail Rotor Blade	SLL	B641M1001101	9,300 hrs	3,733 hrs (40%)
Tail Rotor Blade	SLL	B641M1001101	9,300 hrs	4,610 hrs (50%)
T/R Laminated Pile Assy	SLL	B642M1005101	14,000 cyc	13,273 cyc (95%)



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****Airbus has expressed that the Tail Rotor and Intermediate Gearboxes will be extended to 2100 hour overhaul intervals.**

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EC145

ENGINE STATUS

ENGINE #1 ARRIEL 1E2 S/N 47001

TOTAL TIME: 8,722 HRS

NG CYCLE: 11,000

NP CYCLE: 19,586

Date: March 31 2023

Modules	TBO	Time Remaining	Calendar ISNP Due
Accessory Gearbox, MO1	180 M	155 M (86%)	Jan. 2036
Axial Compressor, MO2	*7,200	5,529 (77%)	N/A
Gas Generator, MO3	3,600	1,929 (54%)	Jan. 2036
Power Turbine, MO4	*7,200	5,529 (77%)	N/A
Reduction Gearbox, MO5	3,600	1,929 (54%)	N/A
Fuel Control Unit (FCU)	3,600	1,502 (42%)	April 2030
*3600 Hour Interim Inspections Apply to MO2 and MO4			

Description	Cycle/HRS Limit	Cycle/HRS Remaining
Free Turbine Disc	10,000 CYC	6,282 CYC (63%)
Free Turbine Blades	12,000 / 7,200	8,282 CYC / 5,529 HRS (69%)
1st Stage Turb Disc	10,000 CYC	7,957 CYC (80%)
1st Stage Turb Blades	12,000 / 6,000	9,957 CYC / 4,329 HRS (72%)
2nd Stage Turb Disc	10,000 CYC	7,957 CYC (80%)
2nd Stage Turb Blades	10,000 / 6,000	7,957 CYC / 4,329 HR (72%)
Axial Comp Wheel	14,000 CYC	11,957 CYC (85%)
Centrifugal Impeller	14,000 CYC	3,000 CYC (21%)
Injector Wheel	10,000 CYC	7,957 CYC (80%)

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EC145

ENGINE STATUS

ENGINE #1 ARRIEL 1E2 S/N 47197

TOTAL TIME: 8,722 HRS

NG CYCLE: 11,020

NP CYCLE: 19,576

Date: March 31 2023

Modules	TBO	Time Remaining	Calendar ISNP Due
Accessory Gearbox, MO1	180 M	155 M (86%)	Jan. 2036
Axial Compressor, MO2	*7,200	5,529 (77%)	N/A
Gas Generator, MO3	3,600	1,929 (54%)	Jan. 2036
Power Turbine, MO4	*7,200	5,529 (77%)	N/A
Reduction Gearbox, MO5	3,600	1,929 (54%)	N/A
Fuel Control Unit (FCU)	3,600	1,168 (32%)	Oct 2029
*3600 Hour Interim Inspections Apply to MO2 and MO4			

Description	Cycle/HRS Limit	Cycle/HRS Remaining
Free Turbine Disc	10,000 CYC	6,282 CYC (63%)
Free Turbine Blades	12,000 / 7,200	8,282 CYC / 5,529 HR (69%)
1st Stage Turb Disc	10,000 CYC	7,955 CYC (80%)
1st Stage Turb Blades	12,000 / 6,000	9,955 CYC / 4,329 HR (72%)
2nd Stage Turb Disc	10,000 CYC	7955 CYC (80%)
2nd Stage Turb Blades	10,000 / 6,000	7,955 CYC / 4,329 HR (72%)
Axial Comp Wheel	14,000 CYC	11,955 CYC (85%)
Centrifugal Impeller	14,000 CYC	11,955 CYC (85%)
Injector Wheel	10,000 CYC	7,955 CYC (80%)

***Times Remaining are Based on a Projected Airframe Total Time of 9,125 Hours and Availability March 31, 2023. . Represented are only the major component.; Times and cycles will vary at the actual time of purchase and the Buyer shall be responsible for validating all OH and SLL limited items life remaining.**

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Contact us for more information

 Jeff.donahue@airbus.com

 +1-972-641-3735

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