

## Main Performance

The following performance values and figures refer to an H125.

Unless otherwise specified, the values and figures refer to a **clean baseline helicopter**, equipped with a **new engine**, at **Sea Level (SL)**, in **International Standard Atmosphere (ISA)** and **zero wind** condition. Speeds mentioned are True AirSpeed (TAS).

Gross Weight	kg	1,600	1,800	2,000	2,200	2,250	2,370 <sup>2</sup>
	lb	3,530	3,968	4,409	4,850	4,960	5,225
■ Max. speed, VNE	km/h kts	287 155	287 155	287 155	287 155	287 155	287 155
■ Fast cruise speed (MCP) & Recommended cruise speed	km/h kts	265 143	263 142	269 140	253 136	251 136	247 133
■ Hourly fuel consumption at fast cruise speed & recommended cruise speed	kg/h lb/h	174 383	174 383	174 383	174 383	174 383	174 383
■ Rate-of-climb (MCP, TAS= 65 kts)	m/s ft/min	12.0 2,358	11.6 2,284	10.9 2,155	10.0 1,970	9.7 1,910	9.0 1,773
■ Hover ceiling IGE 5 ft (MTOF)							
● ISA	m ft	7,010 <sup>1</sup> 23,000 <sup>1</sup>	6,035 19,800	5,105 16,750	4,237 13,900	4,039 13,250	3,551 11,650
● ISA + 20°C	m ft	6,370 20,900	5,349 17,550	4,404 14,450	3,505 11,500	3,292 10,800	2,774 9,100
■ Hover ceiling OGE (MTOF)							
● ISA	m ft	6,477 21,250	5,425 17,800	4,481 14,700	3,597 11,800	3,399 11,150	2,880 9,450
● ISA + 20°C	m ft	5,776 18,950	4,724 15,500	3,749 12,300	2,835 9,300	2,606 8,550	2,088 6,850
■ Service ceiling (MCP, TAS= 65 kts, ROC= 100ft/min 0.5 m/sec)							
● ISA	m ft	7,010 <sup>1</sup> 23,000 <sup>1</sup>	7,010 <sup>1</sup> 23,000 <sup>1</sup>	6,309 20,700	5,456 17,900	5,258 17,250	4,785 15,700
● ISA+ 20°C	m ft	7,010 <sup>1</sup> 23,000 <sup>1</sup>	6,462 21,200	5,532 18,150	4,633 15,200	4,420 14,500	3,901 12,800
■ Range (at fast cruise speed & recommended cruise speed, without reserve)							
● Baseline aircraft	km NM	399 216	649 351	644 348	634 342	631 341	N/A N/A
● Maximum internal gross weight increased <sup>2</sup>	km NM	362 195	649 351	644 348	634 342	631 341	622 336
■ Endurance (TAS= 55kt 100 km/h, without reserve)							
● Baseline aircraft	h:min	3:08	4:57	4:44	4:31	4:28	N/A
● Maximum internal gross weight increased <sup>1</sup>	h:min	2:50	4:57	4:44	4:31	4:28	4:20

Values at time of accident:

- Helicopter weight about 4,871 lbs.
- Landing site Altitude; 9,793 msl
- Landing site Temperature: 19°
- Density altitude: about 12,000 ft msl

<sup>1</sup> Performance limited by the certified Flight Domain (refer to § Operating Limitations).

<sup>2</sup> Baseline aircraft with the optional equipment "Kit to Increase Internal Gross Weight to 2,370 kg (5,225 lb)" with dual hydraulics.

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