

# LEONARDO AW119KX Model Guide

LEONARDO AW119KX: the supplied documents are the AW119 MK II Rotorcraft Flight Manual (Revision 21) and a Donaldson inlet barrier filter maintenance manual for the AW119 MK II. Neither names the KX, so confirm that the figures apply to the KX. The registry row lists it as piston, but the manual describes a turbine engine (N1, N2, ITT).

## KEY TAKEAWAYS

- The manual allows 8 seats including the pilot, and one pilot may fly it from the right crew seat.
- Maximum gross weight is 2850 kg (6283 lb). Minimum gross weight for flight is 1725 kg (3803 lb).
- Approved for day and night VFR in non-icing conditions. Aerobatic manoeuvres are not permitted.
- Ask whether the dust inlet barrier filter is fitted. Its service is on-condition, based on the filter indicator, a failed power check and the cockpit light.

## LIMITS THAT MATTER ON A PRE-BUY

Maximum gross weight is 2850 kg (6283 lb). Ground operations are allowed up to 2900 kg (6393 lb), but towing and take-off are prohibited at that weight. Slope limits are 12 deg nose-up, 10 deg side-up and 2 deg nose-down. Check the weight and balance whenever the passenger cabin doors are open or removed.

## SPEED LIMITS WORTH KNOWING

With one or both passenger doors open or removed, VNE is 85 KIAS, and 70 KIAS while the doors are being opened or closed. Minimum autorotation speed without close external references is 60 KIAS. With torque between 100 and 108.5%, maximum speed is 75 KIAS. Maximum forward speed at touchdown after engine failure is 50 kts.

## INLET BARRIER FILTER AND RECORDS

The Donaldson filter has a cockpit IBF switch with FILTER and BYPASS lights. The bypass door admits unfiltered air if the filter clogs. Servicing is on-condition: a Filter Maintenance Aid reading in the red area, a failed power assurance check, or the FILTER light. The manual also lists special inspections after a hard landing or lightning strike. Ask for the logbooks.

## SPECIFICATIONS

|                           |      |
|---------------------------|------|
| Max Gross Weight Lbs      | 6283 |
| Max Ground Ops Weight Lbs | 6393 |
| Min Flight Weight Lbs     | 3803 |

## PERFORMANCE

|                                 |    |
|---------------------------------|----|
| Max Forward Speed Touchdown Kts | 50 |
|---------------------------------|----|

## V-SPEEDS

|                                    |    |
|------------------------------------|----|
| Vne Doors Open Or Removed Kts      | 85 |
| Vne During Door Operation Kts      | 70 |
| Min Autorotation Speed Kts         | 60 |
| Max Speed Take Off Power Range Kts | 75 |

## SAFETY NOTES

- Compliance with the Section 1 limitations in the Flight Manual is mandatory.
- The Flight Manual says printed copies are not contractually maintained, so check that the aircraft carries the current revision.
- The aircraft is not approved for icing conditions. Day VFR only applies if it has only the KY196B radio.