

2.11 ROTOR RPM LIMITATIONS

WARNING MAIN ROTOR LEAD-LAG RESONANCE MAY OCCUR IN THE 60–68% ROTOR RPM RANGE. WHEN ROTOR RPM IS WITHIN THIS RANGE, ANY STIMULATION OF LEAD-LAG OSCILLATION MAY RESULT IN SEVERE DAMAGE OF THE MAIN ROTOR BLADES. THEREFORE, MAINTAIN THE CYCLIC STICK IN NEUTRAL POSITION AND THE COLLECTIVE IN FULL DOWN POSITION.

CONDITION	Power ON	Power OFF
Minimum Transient (max. 20 s)	85 %	
Minimum Continuous 1500 kg ≤ GM < 1900 kg	95 %	80 %
1900 kg ≤ GM	95 %	85 %
Maximum Continuous	104 %	106 %
Maximum Transient (max. 20 s)		112 %

RPM Warning Light and AUDIO Warnings:

N _R RPM	RPM-Light	AUDIO-Tone	Reset
N _R ≤ 95 %	ON	Intermittent Low	Yes
N _R ≥ 106 %	Flashing	Gong	Yes
N _R ≥ 112 %	Flashing	Continuous High	No

NOTE In normal “Power On” operation the rotor speed is governed automatically as a function of density altitude (see Sec. 7 Engine Control System).