



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.R.122

for

Enstrom F-28 and Enstrom 480

Type Certificate Holder:
Enstrom Helicopter Corporation
2209 22nd Street
Menominee, Michigan 49858
USA

For models: 280
280C
280F
280FX
480
480B
F28A
F28C
F28F



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Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **280**

Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-C1A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D413	975	975	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **280**

Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-C1B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D414	975	975	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **280C**

Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-E1AD**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D283	1,066	1,066	-	-	-	-	-	-	2
D172	998	998	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **280C**

Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-E1BD**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D417	1,066	1,066	-	-	-	-	-	-	2
D173	998	998	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **280F**

Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-F1AD**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D420	1,179	1,179	-	-	-	-	-	-	2
D419	1,066	1,066	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation**

Aircraft Type Designation **280FX**

Engine Manufacturer **Lycoming**

Engine Type Designation **HIO-360-F1AD**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D176	1,179	1,179	-	-	-	-	-	-	2



Type Certificate Holder ¹	Enstrom Helicopter Corporation	Aircraft Type Designation ¹	480
Engine Manufacturer ¹	Allison	Engine Type Designation ¹	250-C20W
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		None	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 11 (11.4.1)

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	
D126	1,293	1,293	82.4	84.1	-

¹ See Note 1.



Type Certificate Holder	Enstrom Helicopter Corporation	Aircraft Type Designation ¹	480B
Engine Manufacturer ¹	Allison	Engine Type Designation ¹	250-C20W
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		None	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 11

EASA Record No.	Maximum Mass		Overflight SEL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	
D190	1,361	1,361	83.7	84.4	3



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **F28A**
 Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-C1A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels **()**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D325	976	976	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **F28A**
 Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-C1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels **()**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D412	976	976	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **F28C**

Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-E1AD**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D381	1,066	1,066	-	-	-	-	-	-	2
D226	998	998	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation** Aircraft Type Designation **F28C**

Engine Manufacturer **Lycoming** Engine Type Designation **HIO-360-E1BD**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D415	1,066	1,066	-	-	-	-	-	-	2
D416	998	998	-	-	-	-	-	-	2



Type Certificate Holder **Enstrom Helicopter Corporation**

Aircraft Type Designation **F28F**

Engine Manufacturer **Lycoming**

Engine Type Designation **HIO-360-F1AD**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter **8**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D418	1,066	1,066	-	-	-	-	-	-	2



TCDSN EASA.IM.R.122 Notes

1. Items so marked shall be included on EASA Form 45.
2. This aircraft type conforms with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.
3. Increased rotor RPM and torque limits.



Change Record

Issue	Date	Changes
Issue 1	20 April 2016	Initial Issue

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