

KENMORE AIR EDO FLOATS, L.L.C.
6321 NE 175TH STREET
KENMORE, WA 98028



ECC-R-458

REVISION: A

DATE: DEC 15, 2014

FAA APPROVED

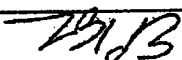
AIRPLANE FLIGHT MANUAL SUPPLEMENT # E-1

**CESSNA MODEL 172I, 172K, F172K, 172L, F172L, 172M,
F172M, 172N, F172N, 172P AND F172P FLOATPLANES
EQUIPPED WITH EDO MODEL 689-2130 FLOATS**

DATE: 12-15-14

FEDERAL AVIATION ADMINISTRATION
RENTON, WA 98057
FOR TITLE: MANAGER, SEATTLE AIRCRAFT CERTIFICATION OFFICE

FAA APPROVED:



THIS SUPPLEMENT CONTAINS THE LIMITATIONS, PERFORMANCE AND OPERATING PROCEDURES, BOTH NORMAL AND EMERGENCY, FOR THE ABOVE MODEL FLOATPLANES EQUIPPED WITH EDO MODEL 689-2130 FLOATS. WHEN OPERATED IN ACCORDANCE WITH THIS SUPPLEMENT, THESE LIMITATIONS AND PROCEDURES ARE IN ADDITION TO, OR IN PLACE OF, THOSE CONTAINED IN THE CESSNA PILOT'S OPERATING HANDBOOK AND FAA APPROVED FLIGHT MANUAL SUPPLEMENT.

#SAS84NW

THIS SUPPLEMENT MUST BE ATTACHED TO THE CESSNA PILOT'S OPERATING HANDBOOK AND FAA APPROVED FLIGHT MANUAL FLOATPLANE SUPPLEMENT AND KEPT ABOARD THE AIRCRAFT AT ALL TIMES WHEN THE AIRCRAFT IS EQUIPPED WITH EDO MODEL 689-2130 FLOATS PER STC

REGISTRATION NUMBER:

N19752

SERIAL NUMBER:

17260722

EQUIPPED WITH EDO MODEL 689-2130 FLOATS

AIRCRAFT MODEL NUMBER	SERIAL NUMBER
172I	SEE TYPE CERTIFICATE DATA SHEET 3A12
172K	SEE TYPE CERTIFICATE DATA SHEET 3A12
F172K	SEE TYPE CERTIFICATE DATA SHEET A4EU
172L	SEE TYPE CERTIFICATE DATA SHEET 3A12
F172L	SEE TYPE CERTIFICATE DATA SHEET A4EU
172M	SEE TYPE CERTIFICATE DATA SHEET 3A12
F172M	SEE TYPE CERTIFICATE DATA SHEET A4EU
172N	SEE TYPE CERTIFICATE DATA SHEET 3A12
F172N	SEE TYPE CERTIFICATE DATA SHEET A4EU
172P	SEE TYPE CERTIFICATE DATA SHEET 3A12
F172P	SEE TYPE CERTIFICATE DATA SHEET A4EU

FOR THE FOLLOWING CESSNA 172 FLOATPLANES:

FLIGHT MANUAL SUPPLEMENT # E-1

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Revision	Date	Description	Approved
A	Dec 15, 2014	Completely retyped, reformatted and added aircraft models 172L, 172K, F172K, 172L, F172L, 172M, F172M, F172N & F172P	<i>BPA</i>

Revision Control

KENMORE AIR EDO FLOATS, L.L.C.
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Introduction

This supplement provides information not found in the basic handbook which is required to be furnished to the pilot by FAA FAR 21.5. It includes procedures and data required for the safe and efficient operation of the Cessna Models listed in the preceding section of this document equipped with EDO Model 689-2130 floats.

Information contained in the basic FAA Approved Cessna Float Plane Supplements for the aircraft equipped with EDO Model 689-2130 floats which is the same as that for the Floatplane is generally not repeated in this supplement.

Wherever the words "Not Applicable" appear in this Supplement, that information should be obtained from the Cessna Supplement.

Section 1 - General

KENMORE AIR EDO FLOATS, L.T.C.
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Performance – Specifications

Criteria	Model #	Value
Speed	All	Not Applicable
Cruise	All	Not Applicable
Rate of Climb @ Sea Level	172I 172K & F172K 172L & F172L 172M & F172M	645 feet per minute
	172N & F172N 172P & F172P	700 feet per minute
Service Ceiling	All	Not Applicable
Take-off Performance	All	Not Applicable
Landing Performance	All	Not Applicable
Stall Speed, Power OFF Flaps UP/Flaps DOWN	172I 172K & F172K 172L & F172L 172M & F172M	50 KNOTS/43 KNOTS (CAS)
	172N & F172N 172P & F172P	44 KNOTS/41 KNOTS (CAS)
Take-Off & Landing, Maximum Gross Weight	172I 172K & F172K 172L & F172L 172M & F172M	2300 lbs
	172N & F172N 172P & F172P	2350 lbs
Empty Weight	All	See actual weight and balance form for airplane
Maximum Useful Load	All	See actual weight and balance form for airplane
Baggage Allowance in Airplane	All	Same
Wing Loading	172I 172K & F172K 172L & F172L 172M & F172M	13.2 lbs/ft ² (@2300 lbs)
	172N & F172N 172P & F172P	13.5 lbs/ft ² (@2350 lbs)

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MAXIMUM CERTIFIED WEIGHTS		
172I, 172K, F172K, 172L, F172L, 172M & F172M	Take-off & Landing	2300 lbs
172N, F172N, 172P & F172P	Take-off & Landing	2350 lbs
	At Dock	2307 lbs
	At Dock	2357 lbs

Propeller	Same
Standard Empty Weight	689-2130 Seaplane float is 12 lbs heavier than 89-2000 float
Maximum Useful Load	See Weight and Balance Form

Descriptive Data

Criteria	Model #	Value
Power Loading	172I, 172K & F172K, 172L & F172L, 172M & F172M	15.3 lbs/HP (@ 2300 lbs)
	172N & F172N, 172P & F172P	14.7 lbs/HP (@ 2350 lbs)
Fuel Capacity	All	Same
Oil Capacity	All	Same
Engine	All	Same
Propeller	All	Same

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Section 2 - Limitations

AIRSPEED LIMITATIONS		Model #	KCAS	KIAS
Never exceed speed	V _{NE}	All	Same	Same
Maximum Structural Cruising	V _{NO}	All	Same	Same
Maximum Manoeuvring Speed	V _A	172I 172K & F172K 172L & F172L	106	106
		172M & F172M 172N & F172N	97	96
		172P & F172P	96	95
Maximum Speed, Flaps	V _{FE}	All	Same	Same

WEIGHT LIMITS			
172I, 172K, F172K, 172L, F172L, 172M & F172M	At Dock	2307 lbs	2300 lbs
172N, F172N, 172P & F172P	Take-off & Landing	2350 lbs	2357 lbs
	At Dock	2307 lbs	
	Take-off & Landing	2350 lbs	

CENTER OF GRAVITY LIMITS			
Model	Range	Weight	
172I, 172K, F172K, 172L, F172L, 172M & F172M	(+40.5) to (+45.5)	@ 2300 lbs MGW	@ 1825 lbs or less
	(+36.4) to (+45.5)	@ 1825 lbs or less	
172N, F172N, 172P & F172P	(+40.9) to (+45.5)	@ 2350 lbs MGW	@ 1825 lbs or less
	(+36.4) to (+45.5)	@ 1825 lbs or less	
F172P	(+36.4) to (+45.5)		

With a straight line variation between points given.

Placards

Placards are the same as given in the Cessna Floatplane Supplement for the applicable aircraft model.

note: flaps limited to 30° per installation drawings

172I	0° Flaps	50 KCAS
172K & F172K	40° Flaps	43 KCAS
172L & F172L	0° Flaps	44 KCAS
172M & F172M	30° Flaps	41 KCAS
172N & F172N	0° Flaps	44 KCAS
172P & F172P	30° Flaps	41 KCAS

NOTE: Altitude loss during a stall recovery may be as much as 200 feet.

Stall Speeds
 Conditions: Maximum Gross Weight
 0° Angle of Bank
 Power OFF
 C.G. at forward limit

Airspeed calibration – same

Section 5 – Performance

Emergency procedures in Cessna Floatplane Supplement apply except for airspeeds presented in this AFMS, which differ from the Cessna Floatplane Supplement.

Section 4 – Normal Procedures

Emergency procedures in Cessna Floatplane Supplement apply except for airspeeds presented in this AFMS, which differ from the Cessna Floatplane Supplement.

Section 3 – Emergency Procedures

For proper handling, service and maintenance of the Model 689-2130 floats see EDO "How to Fly Floats" booklet.

Section 8 – Handling, Service & Maintenance

No change to the airplane or aircraft systems.

Section 7 – Airplane and System Descriptions

See EDO Weight Statement 689-1191

See Actual Weight and Balance form for Airplane

Section 6 – Weight and Balance

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