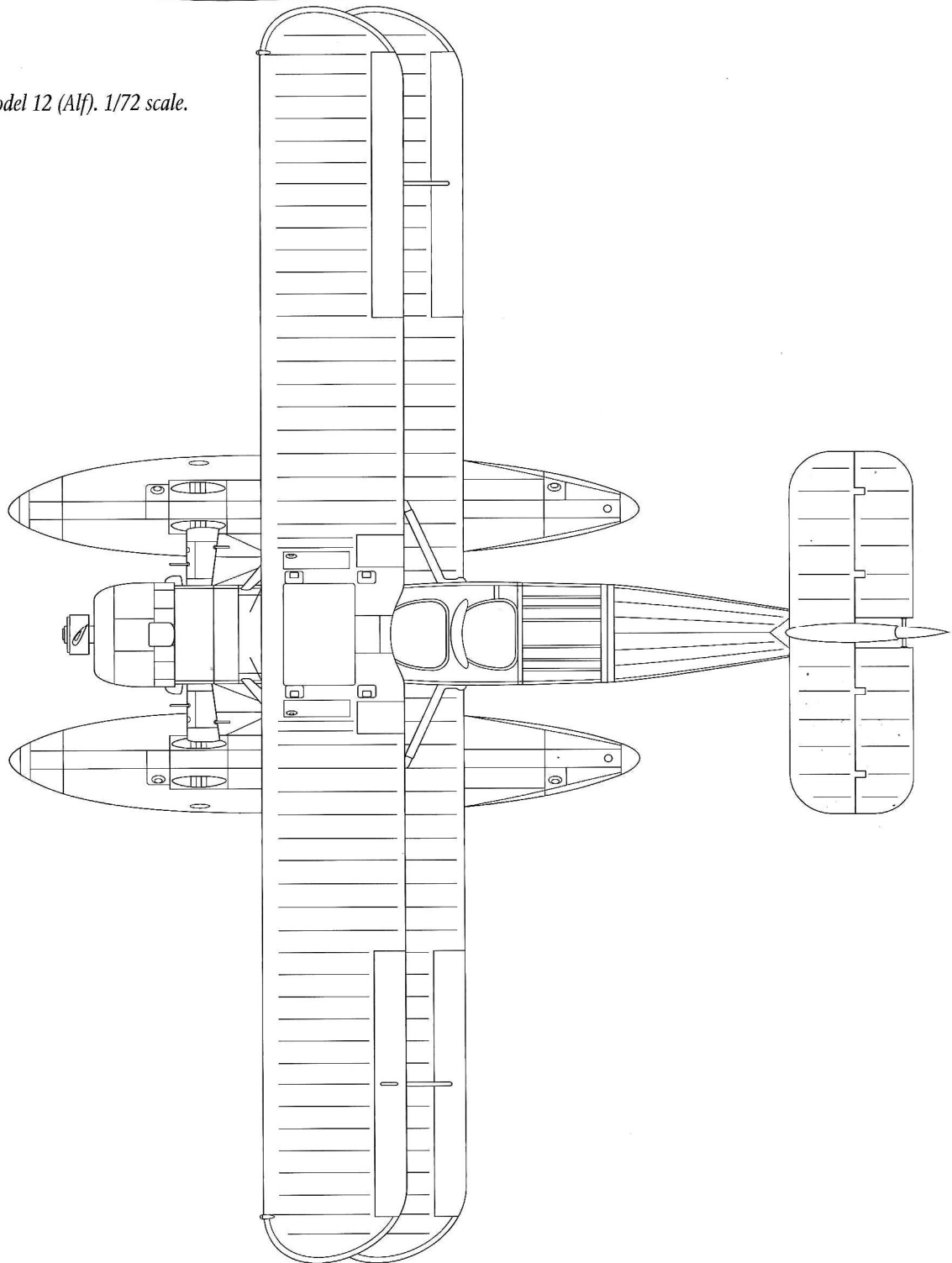
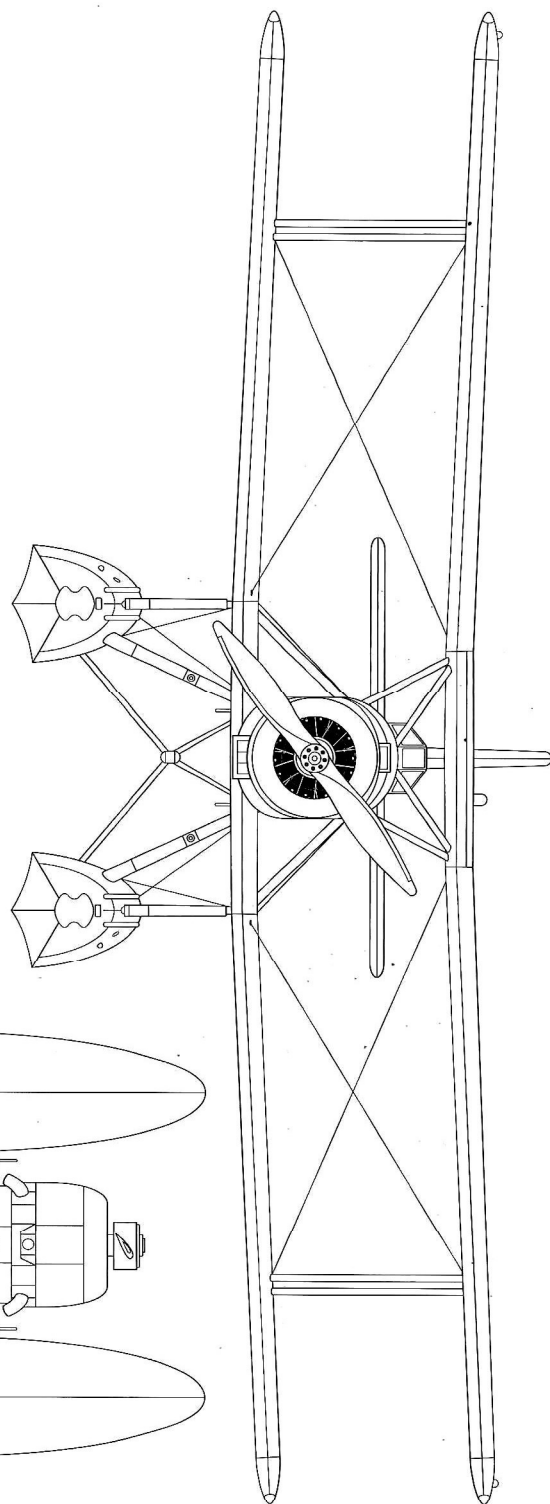
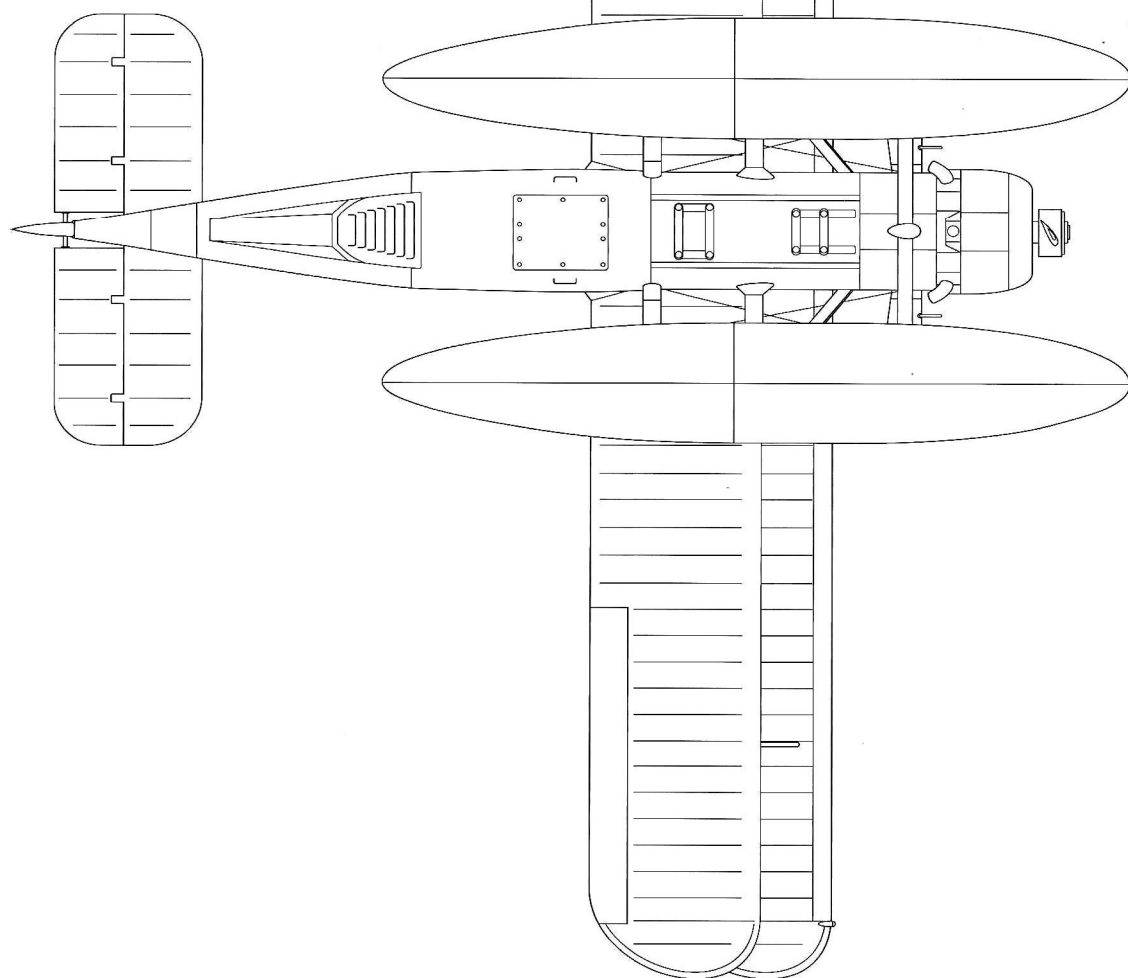


Kawanishi E7K2 Model 12 (Alf). 1/72 scale.



Kawanishi E7K2 Model 12 (Alf). 1/72 scale.



Technical data:

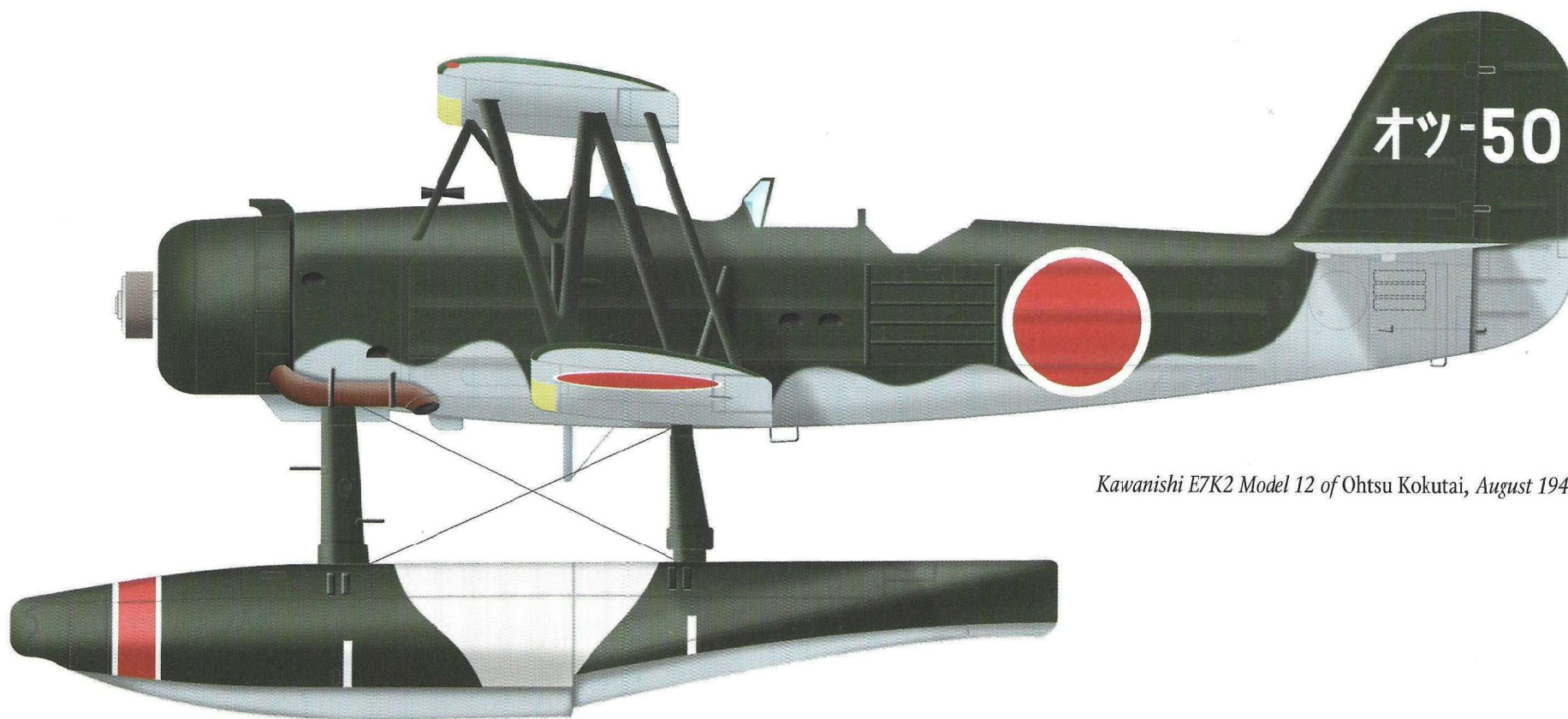
- **Description:** single-engine reconnaissance biplane floatplane. Fabric-covered metal structure.
- **Crew:** pilot, observer, gunner/radio operator with separate open cockpits.
- **Power plant:**
 - One 12-cylinder W-type liquid-cooled Hiro Type 91 Model 1 engine with 620 hp (456 kW) for take-off and 520 hp (382 kW) at 1,000 m; two-blade fixed pitch propeller of 3.2 m diameter (prototypes and first production E7K1 Model 1).
 - One 12-cylinder W-type liquid-cooled Hiro Type 91 Model 2 engine with 750 hp (566 kW) for take-off and 600 hp (441 kW) at 1,500 m; wooden four-blade fixed pitch propeller of 3.2 m diameter (late production E7K1 Model 11).
 - One 14-cylinder air-cooled radial Mitsubishi MK2A *Zuisei* 11 (Ha-31-11) engine with 850 hp (625 kW) for take-off and 900 hp (662 kW) at 3,600 m; metal two-blade variable pitch propeller of 3.2 m diameter (E7K2 Model 12).
- **Armament:** one fixed 7.7 mm Type 92 machine gun in the fuselage above the engine and two flexible 7.7 mm Type 92 machine guns in dorsal and ventral mounts.
- **Bomb load:** (E7K1) 2 x 60 kg or 4 x 30 kg (E7K2) 4 x 60 kg, under the wings.

Type	E7K1 Model 11	E7K2 Model 12
Dimensions		
Wing span [m]	14	14
Length [m]	10.14	10.5
Height [m]	4.81	4.735
Wing area [m ²]	43.60	43.6
Weights		
Empty [kg]	1,970	2,100
Takeoff [kg]	3,000	3,300
Payload [kg]	1,030	1,200
Wing loading [kg/m ²]	68.81	75.68
Power loading [kg/hp]	4.00	3.79
Performance		
Maximum speed at 2,000 m [km/h]	259	268 ¹
Cruising speed at 1,000 m [km/h]	167	185
Landing speed [km/h]		99
Climb to 3,000 m in	10'45"	9'06"
Ceiling [m]	6,600	7,600
Range [km]	2,000	1,850
Maximum range [km]		2,460
Flight time [h]	14	11.3

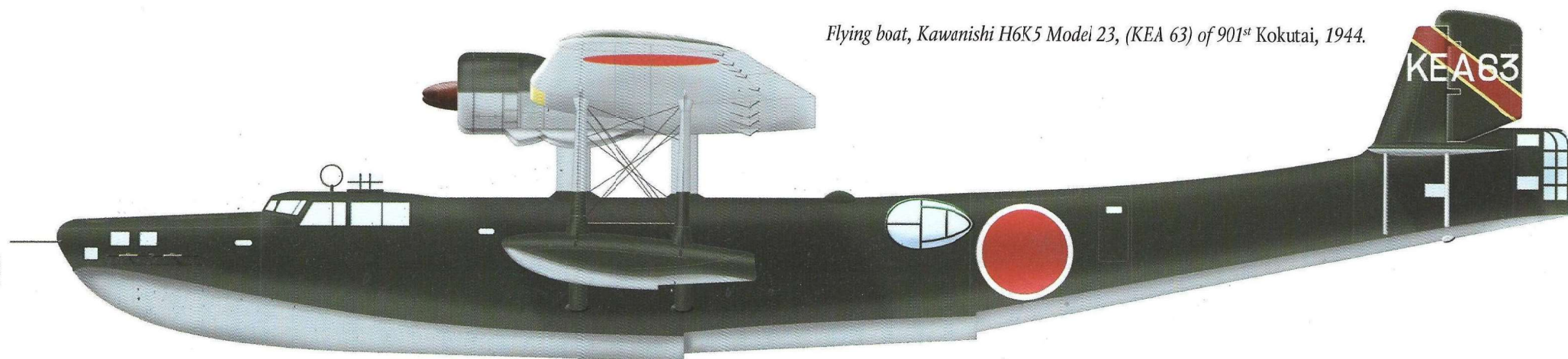
¹ – at 2,050 m

Production

Kawanishi Kokuki Kabushiki Gaisha in Naruo:	
E7K1 prototypes (1933)	2
E7K1 (1934–1938)	183
E7K2 prototype (1938)	1
E7K2 (1938–1941)	287
Nippon Hikoki Kabushiki Gaisha in Tomioka:	
E7K1 and E7K2 (1937–1939)	57
Total	530



Kawanishi E7K2 Model 12 of Ohtsu Kokutai, August 1945.



Flying boat, Kawanishi H6K5 Model 23, (KEA 63) of 901st Kokutai, 1944.