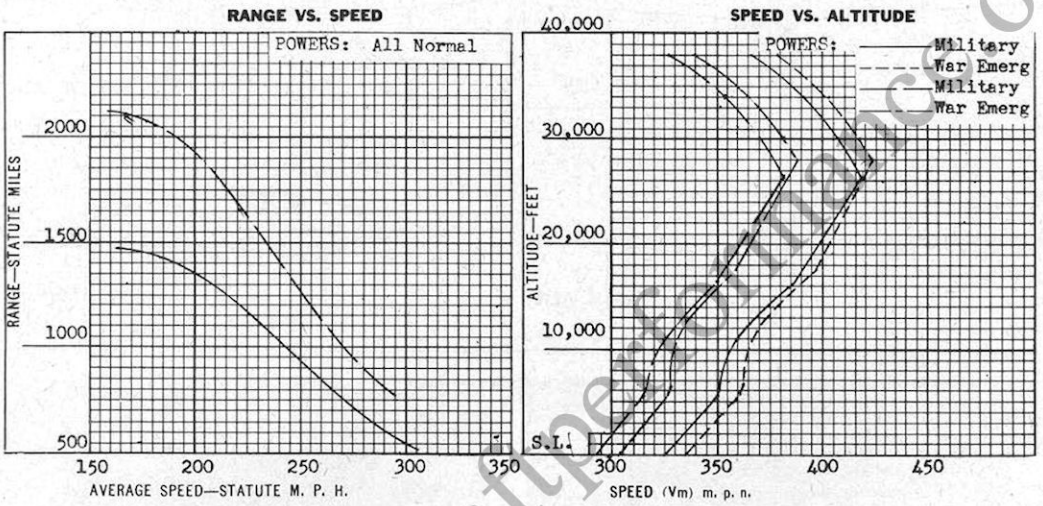
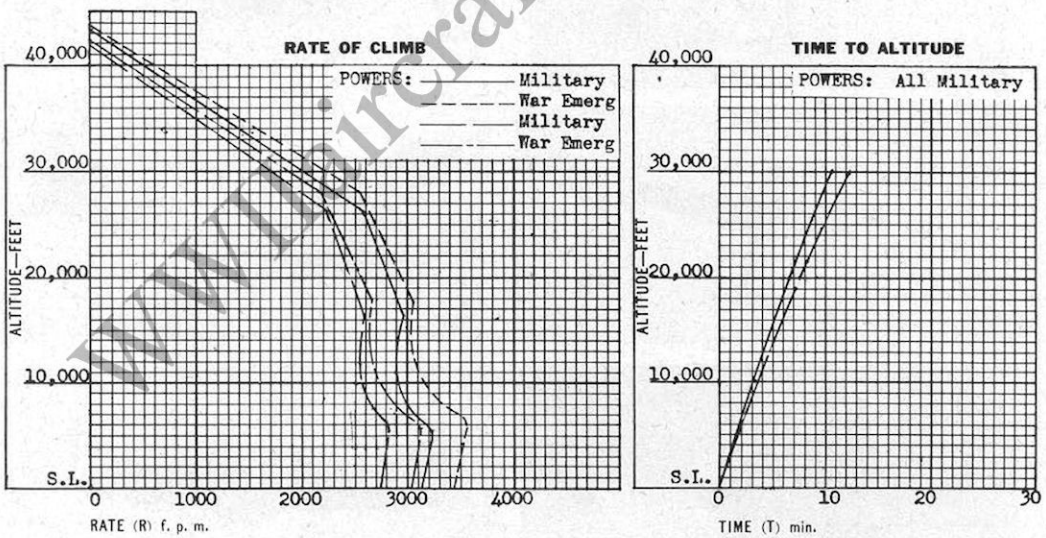
154B-1

TONY 2

RANGE * SPEED * CLIMB

KEY	CONDITION	WEIGHT (lb.)	FUEL LOAD (lb.)	BOMBS—CARGO (lb.)
———	NORMAL FIGHTER	7232	1196	None
– – – – – – – –	NORMAL FIGHTER	7232	1196	None
——— ——— ———	OVERLOAD FIGHTER	7929	1830	None
——— – ——— –	OVERLOAD FIGHTER	7929	1830	None





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PERFORMANCE AND CHARACTERISTICS

TONY 2

TAKE-OFF

	Load	Feet
Runway Requirements	7232	1000
T.O. over 50' obstacle		
Landing over 50' obstacle		
* T.O. + 100%		

CLIMB—CEILING

@ 7232 lbs.	Feet	Min.
Rate @ S.L.	3120	1
Rate @ 5550 ft.	3230	1
Time to 10,000'		3.2
Time to 20,000'		6.6
Service ceiling 43,300'		

AIRCRAFT

Duty Fighter

Designation Type 3, Model 2 Ki 61

Description Low-wing Monoplane

Mfg. Kawasaki

Engines 1 Crew 1

Construction All Metal

SPEED

@ 7232 lbs.	Mph.	Knts.	Altitude
Maximum WE	335	291	@ S. L.
Maximum WE	423	368	@ 28,000'
Cruising			
Economical			

BOMBS—CARGO

	No.	Size	Total Lbs.
Normal			None
Maximum	2	100 kg.	440

ENGINES

	H. P.	Altitude
Take-off	1380	S.L.
Normal		
Military	1320	5550
War Emerg.	1440	5700

Mfg. Kawasaki

Model Ha 140

Type Inverted 60° Vee

Cylinders 12 Cooling Liquid

Supercharger 2 Stage variable speed

Propeller 4 Blade C.S. Diam. 10'

Fuel - Take-off 92 Cruising 92

WEIGHTS

	Lbs.
Empty	5260
Gross	7232
Overload	7929

FUEL

	U.S. gal.	Imp. gal.
Built-in	199	162
Internal (Removable)		
External (drop)	106	93
Maximum	305	255

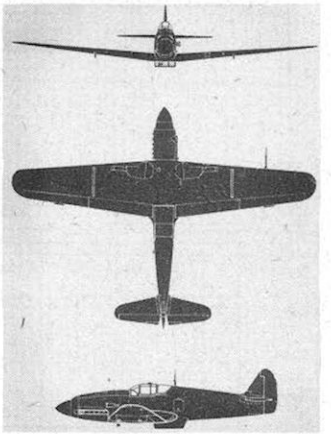
RANGE AND RADIUS

	Miles		Speed		Alt.	Fuel gal.		Bombs	Cargo
	stat.	naut.	mph.	Knts.	feet	U. S.	Imp.	lbs.	lbs.
Maximum range (maximum fuel)	2120	1842	160	139	1500	305	255	None	None
At 75% Vmax.	1655	1436	221	192	1500	305	255	None	None
Maximum range (normal fuel)	1470	1276	163	141	1500	199	162	None	None
At 75% Vmax.	1130	893	229	199	1500	199	162	None	None
Radius ( )									
Radius ( )									

DIMENSIONS

Span 39.3' Length 28.9'

Height 9.2' Wing area 215 sq.ft.



GENERAL DATA

Performance figures are based on fragmentary documentary evidence and resultant extrapolation of engine ratings.

Photographs are those of TONY 1. Airframe and dimensions are assumed to be the same.

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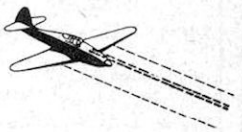
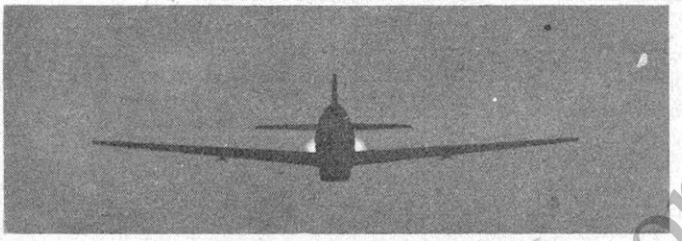
TONY 2

FIELDS OF FIRE



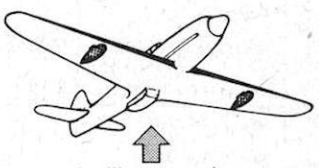
FORWARD GUNS
"A", AND "B"
¾-front view from above

EXHAUST FLAME PATTERNS

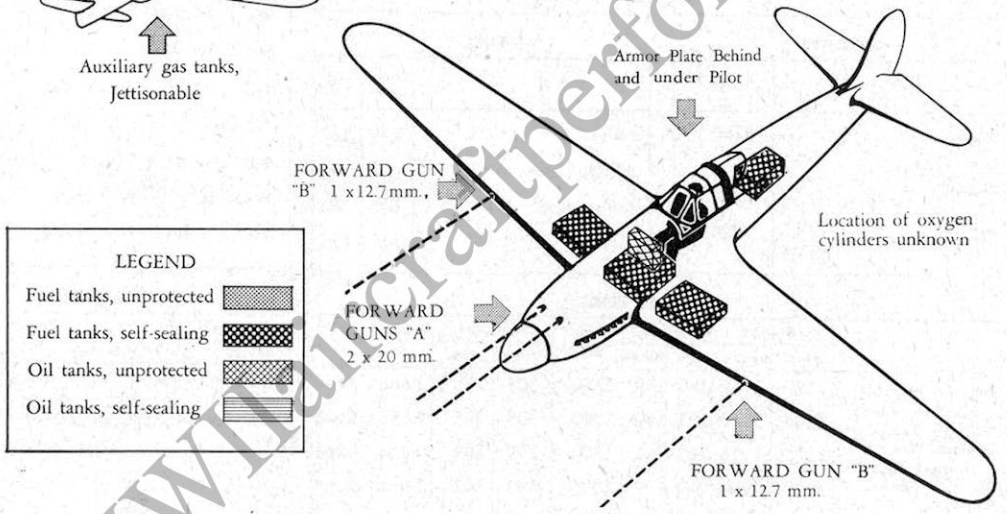


REAR VIEW

VULNERABILITY



Auxiliary gas tanks,
Jettisonable



ARMAMENT

	No.	Size	Rds. Gun	Type		No.	Size	Rds. Gun	Type
Forward	2	12.7 mm or	250	Fixed	Tail				
Cowl	2	20 mm	150	Fixed	Wing	2	12.7 mm or	200	Fixed
Top						2	20 mm	100	Fixed
Side									
Bottom									

TACTICAL DATA

Armor plate is used to protect the radiator.

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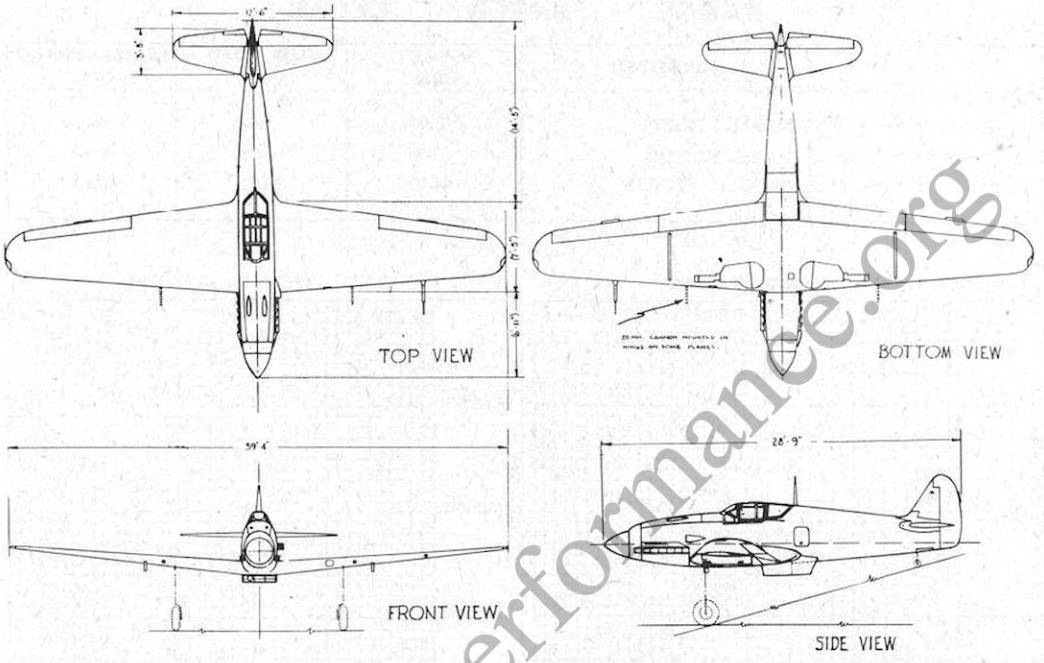
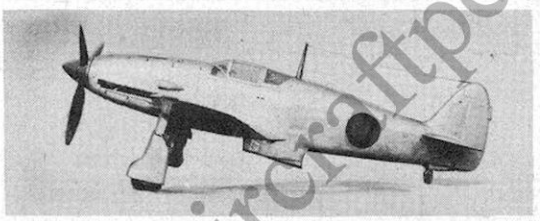
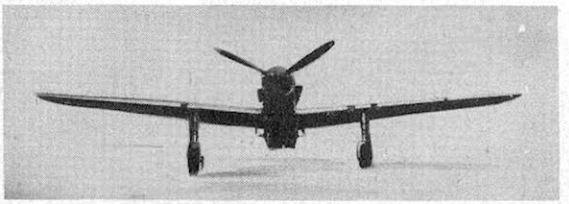
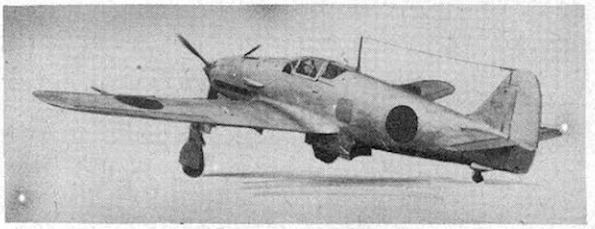
TONY 2









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