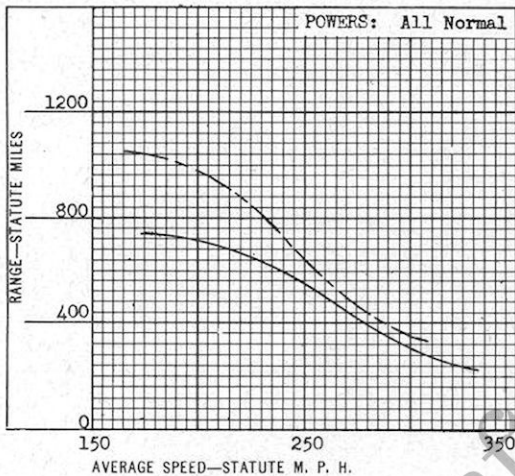


## TOJO 2

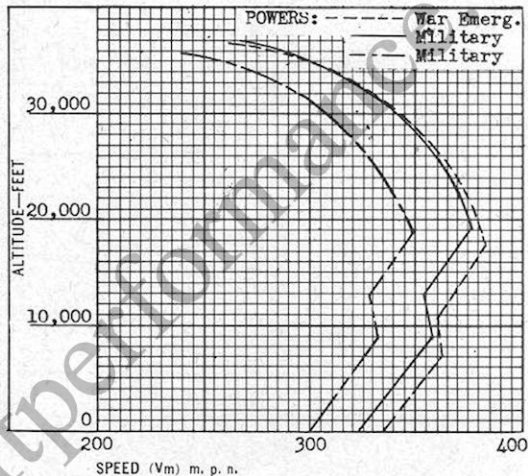
## RANGE \* SPEED \* CLIMB

KEY	CONDITION	WEIGHT (lb.)	FUEL LOAD (lb.)	BOMBS—CARGO (lb.)
-----	NORMAL FIGHTER	6100	768	None
=====	NORMAL FIGHTER	6100	768	None
-----	OVERLOAD FIGHTER	6610	1182	None

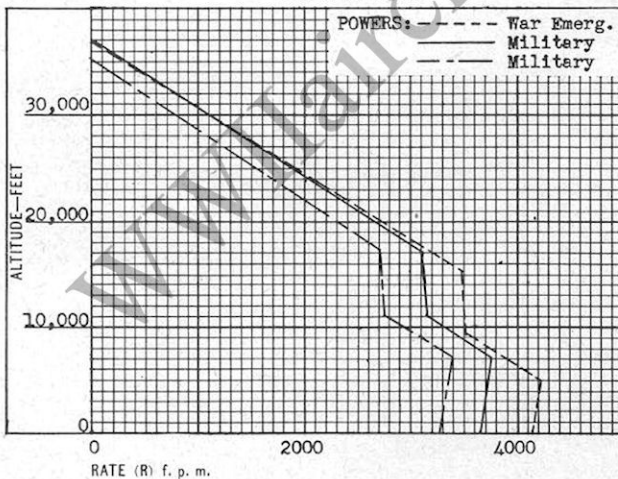
RANGE VS. SPEED



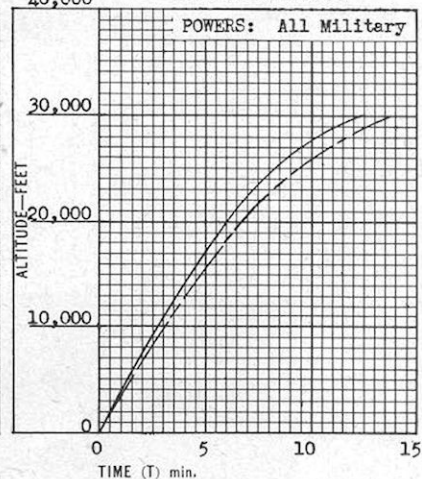
SPEED VS. ALTITUDE



RATE OF CLIMB



TIME TO ALTITUDE



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## PERFORMANCE AND CHARACTERISTICS

## TOJO 2

## TAKE-OFF

	Load	Feet
<b>Runway Requirements</b>	6100	990
T. O. over 50' obstacle		
Landing over 50' obstacle		
* T.O. + 100%		

## CLIMB—CEILING

@ 6100	lbs.	Feet	Min.
Rate @ S. L.		3640	1
Rate @ 7000 ft.		4220	1
Time to 10,000'			2.8
Time to 20,000'			6.0
Service ceiling 36,350'			

## AIRCRAFT

Duty Fighter
Designation Type 2, Model 2 Ki 44
Description Low-wing Monoplane
Mfg. Nakajima
Engines 1 Crew 1
Construction All Metal

## SPEED

@ 6100	lbs.	Mph.	Knts.	Altitude
Maximum WE	335	291	@ S. L.	
Maximum WE	383	332	@ 17,400'	
Cruising				
Economical				

## BOMBS—CARGO

	No.	Size	Total Lbs.
Normal		None	
Maximum			

## ENGINES

	H. P.	Altitude
Take-off WE	1500	S.L.
Normal		
Military	1420	7000'
	1300	17200'
War Emerg.	1570	5000'

## WEIGHTS

	Lbs.
Empty	4300
Gross	6100
Overload	6610

## FUEL

	U. S. gal.	Imp. gal.
Built-in	128	106
Internal (Removable)		
External (drop)	69	57
Maximum	197	163

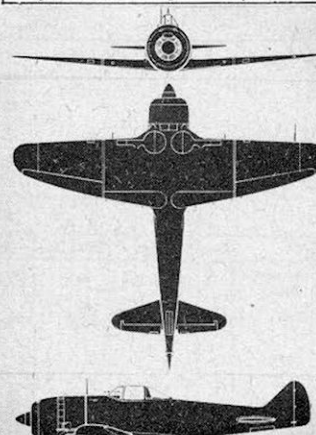
Mfg. Nakajima
Model Type 2, 1450 HP
Type Radial
Cylinders 14 Cooling Air
Supercharger 2 Speed
Propeller 3 Blade Diam. 10'
C.S.
Fuel—Take-off 92 Cruising 92
Plus methanol

## RANGE AND RADIUS

	Miles		Speed		Alt. feet	Fuel gal.		Bombs lbs.	Cargo lbs.
	stat.	naut.	mph.	Knts.		U. S.	Imp.		
Maximum range (maximum fuel)	1050	912	166	144	1500	197	163	None	None
At 75% Vmax.	810	703	230	200	1500	197	163	None	None
Maximum range (normal fuel)	740	643	174	151	1500	128	106	None	None
At 75% Vmax.	565	490	248	215	1500	128	106	None	None
Radius ( )									
Radius ( )									

## DIMENSIONS

Span 31'	Length 29.2'
Height 10.6'	Wing area 169 sq. ft.



## GENERAL DATA

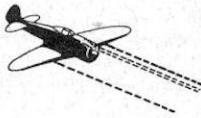
A small compact aircraft that is a pronounced departure from previous Japanese design. Has an exceptional rate of climb and a high diving speed. One series was constructed with 40 mm wing cannon.

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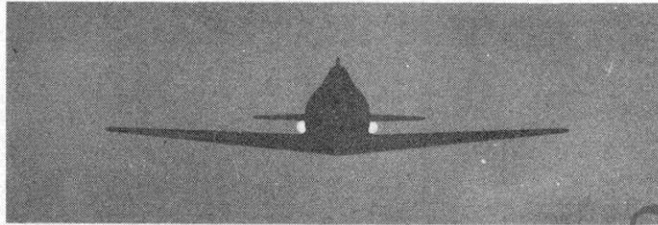
## TOJO 2

## FIELDS OF FIRE



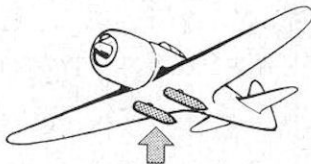
FORWARD GUNS  
"A", AND "B"  
3/4-front view from above

## EXHAUST FLAME PATTERNS



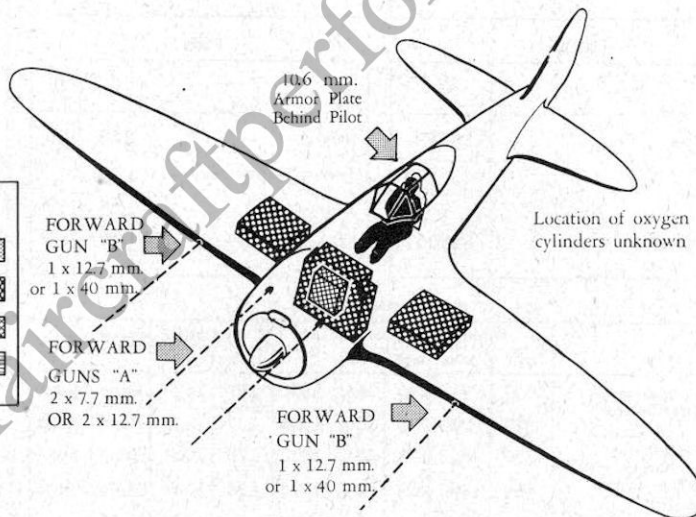
REAR VIEW

## VULNERABILITY



Auxiliary gas tank  
Jettisonable  
Alternate arrangement:  
one tank in center.

LEGEND	
Fuel tanks, unprotected	
Fuel tanks, protected	
Oil tanks, unprotected	
Oil tanks, protected	



## ARMAMENT

	No.	Size	Rds. Gun	Type		No.	Size	Rds. Gun	Type
Forward Cowl	2	7.7 mm	500	Fixed	Tail				
Top	2	12.7 mm or 7.7 mm	250	Fixed	Wing	2	12.7 mm or 40 mm	250	Fixed
Side						2	40 mm	10(?)	Fixed
Bottom									

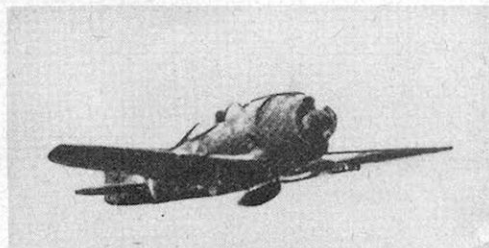
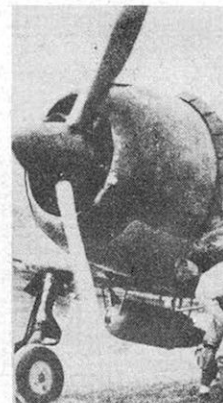
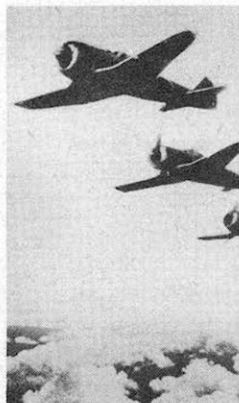
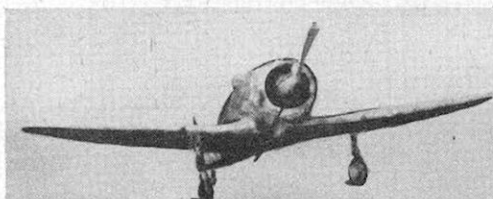
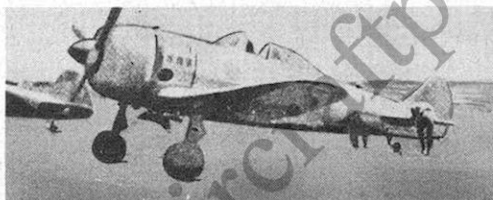
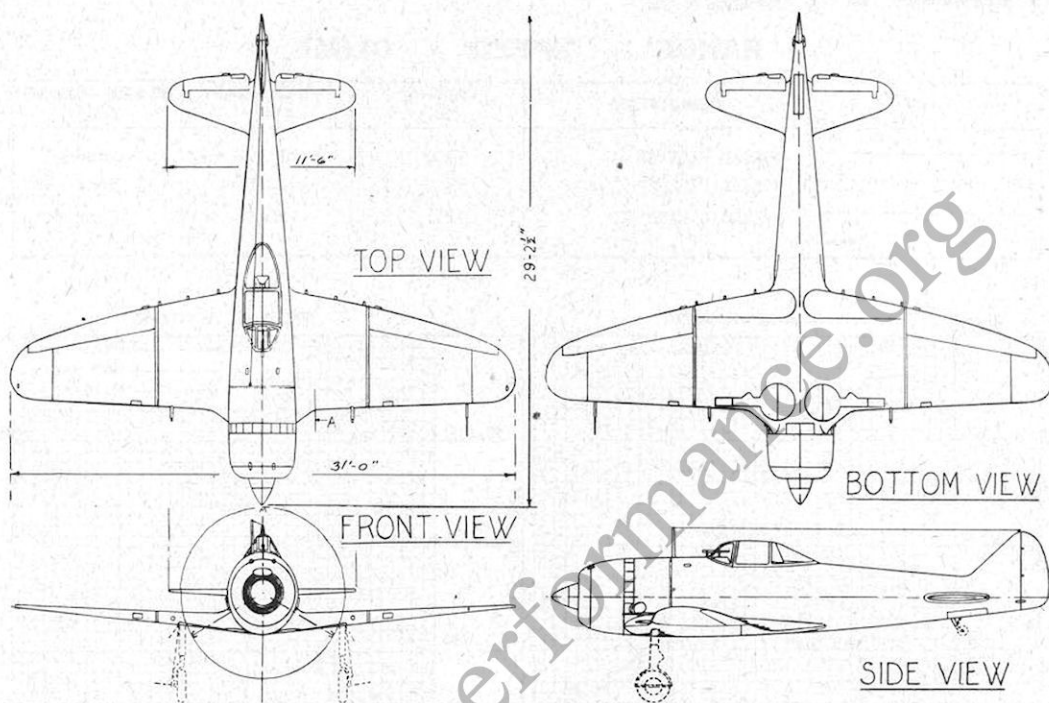
## TACTICAL DATA

TOJO is restricted against snap rolls, spins, stalls and inverted flight at high speeds. This plane is equipped with armor plate behind the pilot and self sealing fuel tanks ineffective against .50 calibre fire.

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**TOJO 2****RESTRICTED****DATE** December 1944