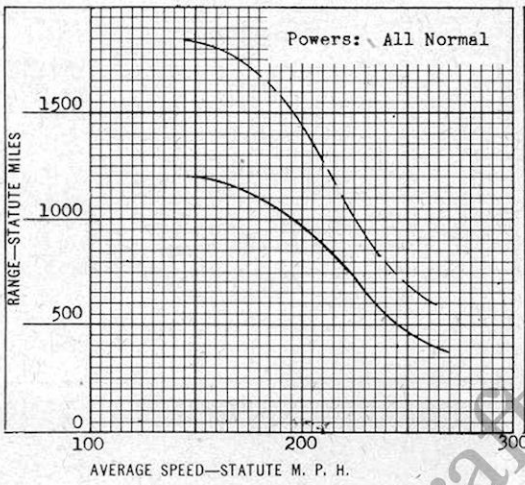
ZEKE 52

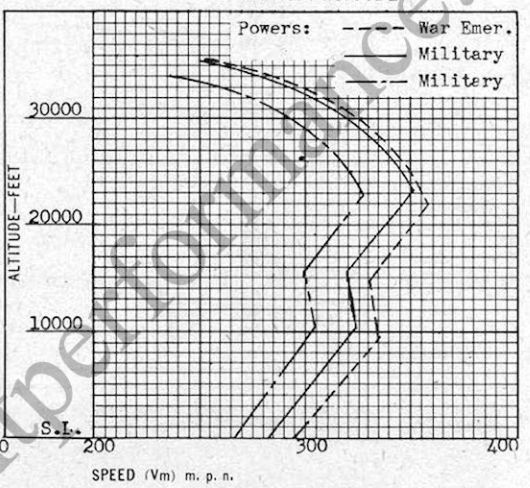
RANGE * SPEED * CLIMB

KEY	CONDITION	WEIGHT (lb.)	FUEL LOAD (lb.)	BOMBS—CARGO (lb.)
- - - - - - - -	Normal Fighter	6026	936	None
————	Normal Fighter	6026	936	None
——— - ———	Overload Fighter	6600	1510	None

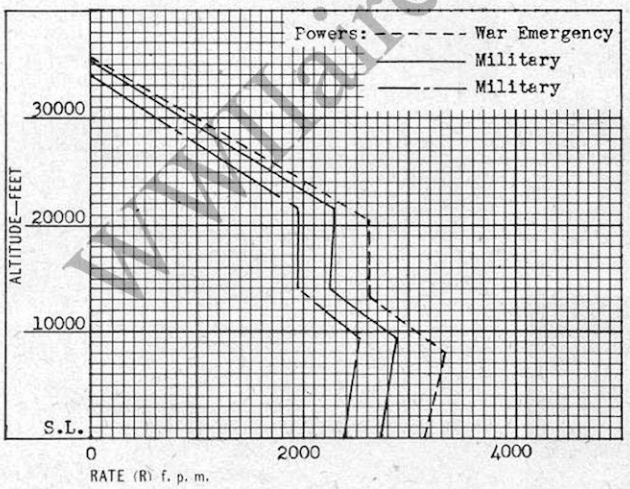
RANGE VS. SPEED



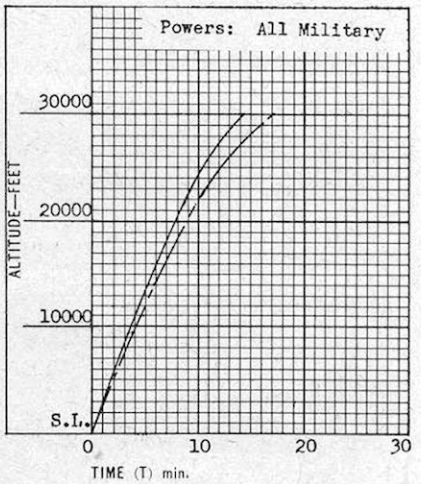
SPEED VS. ALTITUDE



RATE OF CLIMB



TIME TO ALTITUDE



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PERFORMANCE AND CHARACTERISTICS

ZEKE 52

TAKE-OFF

	Load	Feet
Runway Requirements	6026	975
T.O. over 50' obstacle		
Landing over 50' obstacle		
* T.O. + 100%		

CLIMB—CEILING

@ 6026 lbs.	Feet	Min.
Rate @ S.L.	3140	1
Rate @ 8,000 ft.	3340	1
Time to 10,000'		3.6
Time to 20,000'		7.8
Service ceiling 35,100'		

AIRCRAFT

Duty Fighter

Designation Type 0 Model 52

Description Low-wing Monoplane

Mfg. Mitsubishi & Nakajima

Engines 1 Crew 1

Construction All Metal

SPEED

@ 6026 lbs.	Mph.	Knts.	Altitude
Maximum WE	295	256	@ S. L.
Maximum WE	358	310	@ 22,000'
Military	351	304	23,100'
Cruising			
Economical			

BOMBS—CARGO

	No.	Size	Total Lbs.
Normal			
Maximum	2	60 kg	264
or	10	32 kg	704

ENGINES

	H. P.	Altitude
Take-off	1120	S.L.
Normal	830	1500'
Military	1080	9300'
	950	21600'
War Emerg.	1210	8000'

Mfg. Nakajima

Model Sakae 31 A

Type Radial

Cylinders 14 Cooling Air

Supercharger 2 Speed

Propeller 3-Blade Diam. 10'

Fuel - Take-off 92 C.S. Cruising 92

WEIGHTS

	Lbs.
Empty	4236
Gross Normal	6026
Overload	6600

FUEL

	U.S. gal.	Imp. gal.
Built-in	156	129
Internal (Removable)		
External (drop)	87	72
Maximum	243	201

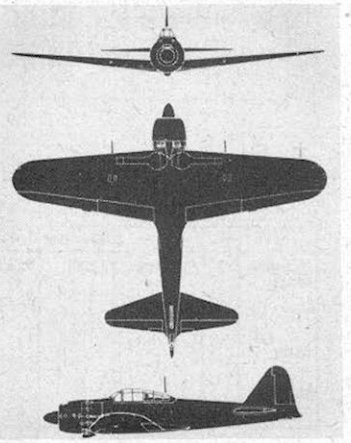
RANGE AND RADIUS

	Miles		Speed		Alt.	Fuel gal.		Bombs	Cargo
	stat.	naut.	mph.	Knts.	feet	U. S.	Imp.	lbs.	lbs.
Maximum range (maximum fuel)	1844	1600	146	126	1500	243	201	None	None
At 75% Vmax.	1478	1630	198	172	1500	243	201	None	None
Maximum range (normal fuel)	1200	1042	146	126	1500	156	129	None	None
At 75% Vmax.	948	823	202	175	1500	156	129	None	None
Radius ( )									
Radius ( )									

DIMENSIONS

Span 36.1' Length 29.8'

Height 9.2' Wing area 230 sq.ft.



GENERAL DATA

A maximum speed of only 340 mph has been obtained in flight tests.

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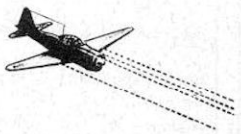
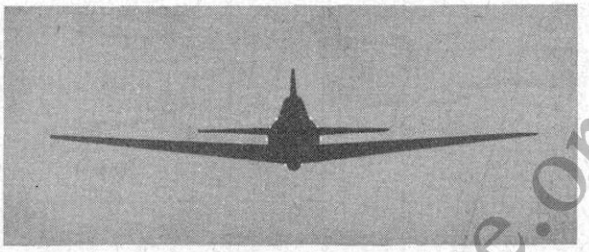
ZEKE 52

FIELDS OF FIRE



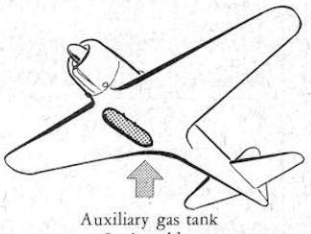
FORWARD GUNS "A", "B" AND "C"
¾-front view from above

EXHAUST FLAME PATTERNS

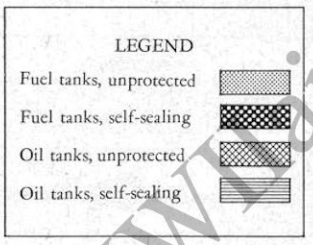


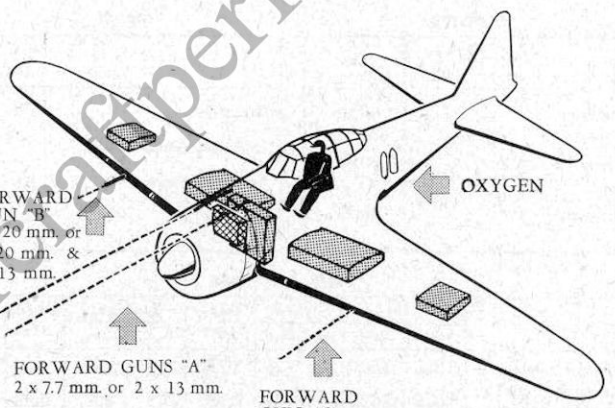
REAR VIEW

VULNERABILITY



Auxiliary gas tank
Jettisonable





ARMAMENT

	No.	Size	Rds. Gun	Type		No.	Size	Rds. Gun	Type
Forward Cowl	2	7.7 mm or	700	Fixed	Tail				
Top	2	13.2 mm		Fixed	Wing	2	20 mm or	100	Fixed
Side						2	20 mm and	100	Fixed
Bottom						2	13.2 mm		Fixed

TACTICAL DATA

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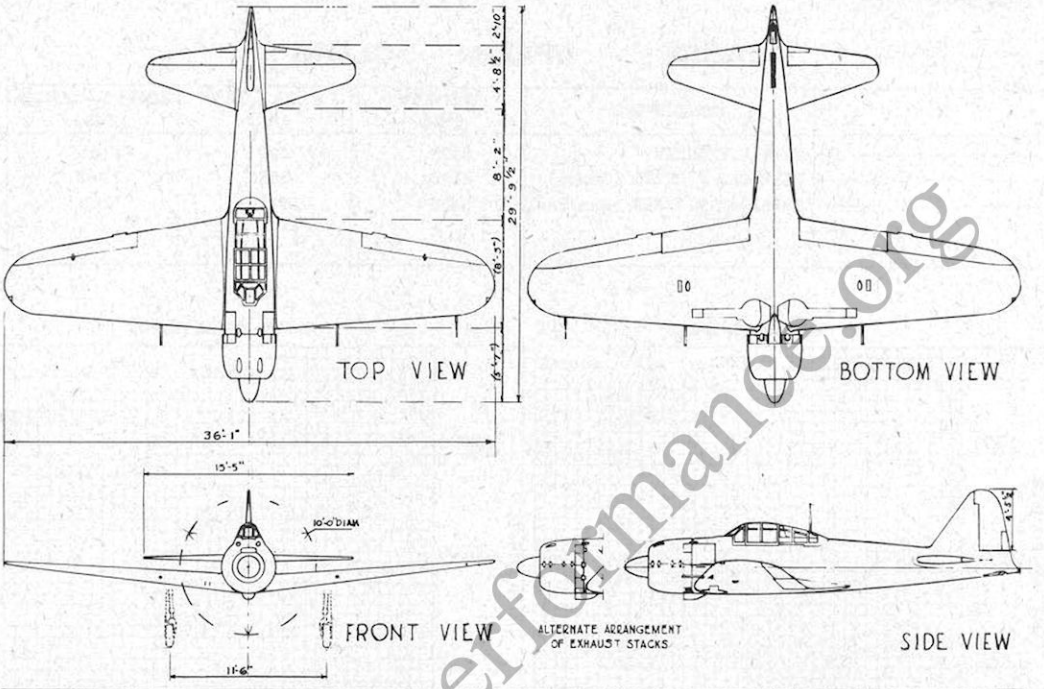

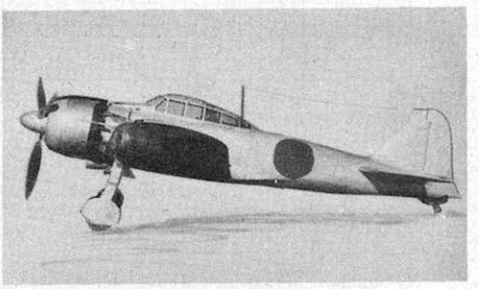

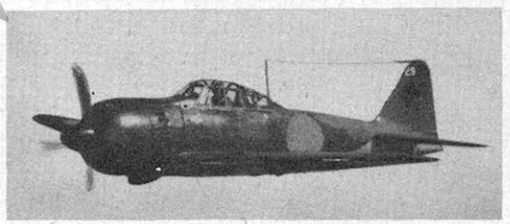

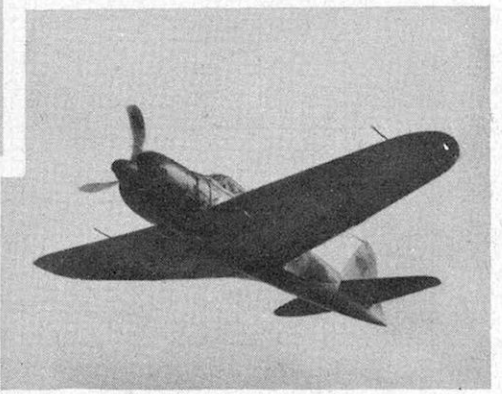

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