RANGE VS. SPEED

POWERS: All Normal

SPEED VS. ALTITUDE

POWERS: Military

WAR EMERG.

RATE OF CLimb

POWERS: Military

WAR EMERG.

TIME TO ALTITUDE

POWERS: All Military

DATE June 1945

RESTRICTED
PERFORMANCE AND CHARACTERISTICS

TAKE-OFF

Load Feet
Runway Requirements 11,665 1160
T.O. over 50' obstacle
Landing over 50' obstacle

CLimb—ceiling

Rate @ 8 S.L. 2892 1
Rate @ 18,500 ft. 2471 1
Time to 2,200' 3.53
Time to 9,000' 7.81
Service ceiling 35,800'

AIRCRAFT

Duty Fighter, Night Fighter
Designation Type 2 (K1 45)
Description Low mid-wing Monoplane
Mfg. Kawasaki
Engines 2 Crew 2
Construction All metal semi-monocoque fuselage; cantilever wing.

SPEED

@ 11,911 lbs. Mph. Knts. Altitude
Maximum 302 262 @ S.L.
Maximum @ 11,685 lbs. 363 307 @ 18,500'
Suicide Condition
Max. Level 330 287 @ 20,600'
Max. Diving 430 374

BOMBS—CARGO

No. Size Total Lbs
Normal 2 x 50 kg 220
Maximum (Suicide) 2 x 250 kg 1100

ENGINES

H.P. Altitude
Take-off 1055 S.L.
Normal 785 1500'
Military 1040 2200'
War Emerg. 1135 8600'

Mfg. Mitsubishi
Model Type 1 1060
Type Radial
Cylinders 14 Cooling Air
Supercharger 2 Speed
Propeller 3Bl. CS Diam. 9.68'
Fuel - Take-off 92 Cruising 92

WEIGHTS

Lbs.
Empty 8335
Gross—Night Fighter 11,685
Day Fighter 11,911
Overload—Night Fighter 12,249
Day Fighter 12,875
Suicide 12,870

FUEL

U.S. Imp. gal.
Built-in 275 229
Internal (Removable) 121 101
External (drop) 106 88
Maximum 502 418

RANGE AND RATING

Miles Speed Alt. Fuel gal. Bombs Cargo Lbs
Max. Range 1909 1658 151 131 1500 502 418 None None
R • Combat Cr. 618 537 273 237 1500 502 418 None None
Max. Range 1042 904 149 180 1600 275 229 None None
R • Combat Cr. 335 291 270 235 1500 275 229 None None
Suicide Cond.-Max. Range 1390 1210 140 122 1500 396 330 1100 None
R • Combat Cr. 475 413 261 218 1600 396 330 1100 None

DIMENSIONS

Span 43.5' Length 34.7'
Height 12.0' Wing area 365 sq. ft.

GENERAL DATA

NICK is a maneuverable twin engine aircraft that may be used as a day fighter, night fighter, ground attack plane.

RESTRICTED DATE July 1946
**NICK 1**

**FIELDS OF FIRE**

REAR GUN "B" a
FORWARD GUN "A" a "C"
3/4-rear view from above

**EXHAUST FLAME PATTERNS**

REAR VIEW

**VULNERABILITY**

TUNNEL GUN "C"
1x 20 mm.
Provision made for but gun not always installed.

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**LEGEND**

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

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**ARMAMENT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Rds.</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nose</td>
<td>2</td>
<td>12.7</td>
<td>Type 1 Fixed, Browning type.</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>37</td>
<td>HO 203 Fixed cannon.</td>
</tr>
<tr>
<td>Tunnel</td>
<td>1</td>
<td>20mm</td>
<td>HO 3 Fixed, Gas-operated.</td>
</tr>
<tr>
<td>Dorsal</td>
<td>2</td>
<td>20mm</td>
<td>HO 5 Fixed, Browning type, (Inclined)</td>
</tr>
<tr>
<td>Rear</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cockpit</td>
<td>1</td>
<td>7.92</td>
<td>Type 98 Flexible, German 30 L type.</td>
</tr>
</tbody>
</table>

**TACTICAL DATA**

Inclined HO 5 guns are installed on the night fighter version.

Armor plate is installed behind and ahead of the HO 203 magazine and behind the pilot. Pilots head armor is two spaced plates.

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**DATE** June 1945

**RESTRICTED**