

PLANE TYPE: Ju-52

Junkers Ju-52/3m g3e /3m g9e

Transport / Bomber

POINT VALUE: 16

MOVEMENT CHARACTERISTICS CHART													
ALTITUDE (x1000)	SPEEDS				SPEED CHANGE		ALTITUDE CHANGE		MANEUVERS				
	STALL SPEED	MANEUVER SPEED	LEVEL SPEED	DIVE SPEED	POWER FACTORS	BRAKE FACTORS	CLIMB RATE	DIVE RATE	BANK	TURN	SLIP	HALF-LOOP	HALF-ROLL
0-4.9	0-1	2	3	4-5	1	3	.1	.6	4	4	5	-	-
5.0-9.9	0-1	2	3	4-5	1	2	.1	.6	4	4	5	-	-
10.0-14.9	0-1	-	2-3	4-5	1	2	.1	.6	5	4	5	-	-
15.0-19.4	0-2	-	3	4-6	0	2	.1/2	.7	5	5	6	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEVEL	-	-	-	-	-	-	-	-	+1	+1	+1	P	P
DIVE	-	-	-	-	P	-	-	-	+3	+3	+3	P	P
LOADED	0	0	0	-1	-	-	-	-2	+1	+2	+2	P	P
MOVEMENT CHARACTERISTICS MODIFIERS													

NOTES: Entered production early '32. A total of 3225 were produced from early '39 until production ended in mid '44. German equivalent of the C-47, used on all fronts right up until the end of the war. Bomber version could carry up to 3300 pounds (up to 6 bombs low level) of bombs loaded. Has sights for level bombing. Used in Spain as both a transport and a bomber.

TARGET CHARACTERISTICS CHART						
W	6		Cn	-	Mg	-
F	6		L	2		
C	2		C	-		
E	2	E	-	E	2	E 2
G	-	-	-	-	-	-
	-	-	(5)	-	-	-
"F"						

SILHOUETTE MODIFIER: +5
 FIRE MODIFIER: +0
 TYPE ENGINE(OP): R
 BLIND SPOTS (OP):
 H: A,12(+2),2,4,6,8,10(+1)
 M: 12,2,10(+2),4,8(+2),6(+1),
 L: B(-2),12(+1),2,4,8,10(-1),6(-2)

"F" Gunnery Play (OP)
 H: A(1),12(0), 2(0), 4(1), 6(1), 8(1), 10(1)
 M: 12(0), 2(0), 4(2), 6(2), 8(2), 10(0)
 L: B(1)12(0), 2(0), 4(1), 6(1), 8(1), 10(1)
 or
 H: A(1),12(1), 2(1), 4(3), 6(2), 8(3), 10(2)
 M: 12(1), 2(1), 4(3), 6(2), 8(3), 10(1)
 L: B(1)12(0), 2(0), 4(3), 6(1), 8(3), 10(1)

Producer: Third Reich
 Name: "Tante Ju"("Aunte Ju")

PLANE TYPE: Me-323

Messerschmitt Me-323D/E

Heavy Transport

POINT VALUE: 16

MOVEMENT CHARACTERISTICS CHART													
ALTITUDE (x1000)	SPEEDS				SPEED CHANGE		ALTITUDE CHANGE		MANEUVERS				
	STALL SPEED	MANEUVER SPEED	LEVEL SPEED	DIVE SPEED	POWER FACTORS	BRAKE FACTORS	CLIMB RATE	DIVE RATE	BANK	TURN	SLIP	HALF-LOOP	HALF-ROLL
0-4.9	0-1	2	3	4-5	1	3	.1	.6	5	9	10	-	-
5.0-9.9	0-1	2	3	4-5	1	2	.1	.6	5	9	10	-	-
10.0-14.8	0-1	-	2-3	4-5	1	2	.1	.6	6	10	11	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEVEL	-	-	-	-	-	-	-	-	+2	+2	+2	P	P
DIVE	-	-	-	-	P	-	-	-	+4	+4	+4	P	P
LOADED	0	0	0	-1	-	-	-0.05	-2	+1	+3	+2	P	P
MOVEMENT CHARACTERISTICS MODIFIERS													

NOTES: Entered service '42. Powered version of Me-321 glider. When loaded climb rate is reduced to .1/2 at -1/.05 loss rate. If any 3 engines are knocked out plane is destroyed.

TARGET CHARACTERISTICS CHART						
W	8		Cn	-	Mg	-
F	10		L	2	E	2
C	2		C	1	E	2
E	2	E	2	E	2	E 2
G	-	-	-	-	-	-
	-	-	(5)	-	-	-
"F"						

SILHOUETTE MODIFIER: +10
 FIRE MODIFIER: +0
 TYPE ENGINE(OP): R
 BLIND SPOTS (OP):
 H:
 M:] +2 in all directions
 L:

"F" Gunnery Play (OP)
 H: A(2), 12(4), 2(3), 4(1), 6(2), 8(1), 10(3)
 M: 12(4), 2(6), 4(3), 6(3), 8(6), 10(6)
 L: B(2), 12(2), 2(6), 4(6), 6(2), 8(6), 10(6)
 Or
 H: A(10), 12(12), 2(10), 4(8), 6(8), 8(8), 10(12)
 M: 12(10), 2(12), 4(10), 6(10), 8(10), 10(12)
 L: B(2), 12(2), 2(6), 4(6), 6(2), 8(6), 10(6)

Producer: Third Reich
 Name: "Gigant"