

GERMAN AIRCRAFT OPERATION TABLE (Battle of Stalingrad)

	(Unit)	Bf 109 F-4	Bf 109 G-2	Ju 87 D-3	He 111 H-6	Fw 190 A-3
TEMPERATURES(max)						
Water or cylinder	deg C	115°	115°	110°	110°	220°
Oil (INTAKE)	deg C	85°	85°	-	-	85°
Oil (OUTPUT)	deg C	-	-	105°	105°	120°
ENGINE SETTINGS	model	DB-601E (p)	DB-605A (p)	Jumo-211J (p)	Jumo-211J (n)	BMW-801D (p)
Normal Operation	RU: Hg					
	RPM	1.15	1.15	1.15	1.15	1.2
	GER: ATA	2300	2300	2250	2250	2300
Combat / Climb	RU: Hg					
	RPM	1.3	1.30	1.25	1.25	1.32
	GER: ATA	2500	2600	2400	2400	2400
Emerg Power/ Boost	RPM	30 min	30 min	30 min	30 min	30 min
	RU: Hg					
	RPM	1.42	-	1.42	1.42	1.42
Notes	GER: ATA	2700		2600	2600	2700
	RPM	1 min		1 min	1 min	3 min
	RU: Hg					
Supercharger Stage 1	meters					-
Supercharger Stage 2	meters					-
Notes		Use manual prop pitch at min for taxi	Use manual prop pitch at min for taxi			Use manual prop pitch at min for taxi
AIRSPEEDS						
Takeoff – Rotation	km/h	150...180	155...180	140...170	170...210	170...210
Optimal Climb speed	km/h	280	280	230	n/a	n/a
Landing – Final	km/h	195	200	190	190	210
Landing – Touchdown	km/h	150	150	135	140	165
Glideslope	km/h	190...200	195...205	180...195	180...200	205...215
Stall speed (in flight conf.)	km/h	154...171	158...174	137...176	150...184	183...209
Max dive speed	km/h	850	850	650	560	850
Levers		Throttle	Throttle	Throttle	Throttle	Throttle
				Water rad	Water rad	
				Oil rad	Oil rad	
					Mixture	
				RPM	RPM	
TRIM		STAB lever	STAB lever	ELV/RUD	ELV/RUD	STAB trim knob
TailWheel		Tailwheel lock	Tailwheel lock	Tailwheel lock		Tailwheel lock
Other				Dive break		Stick backwards
		Stab +1 for TO	Stab +1 for TO	Sirene		Stab +1,5 for TO