RUSSIAN AIRCRAFT OPERATION TABLE (Battle of Moscow)

	(Unit)	I-16 Type 24	MiG-3	IL-2 model 41	Pe-2 Series 35	P-40 E-1
TEMPERATURES(max)						
Water or cylinder	deg C	205°	120°	120°	100°	125°
Oil (INTAKE)	deg C	-	85°	85°	-	90°
Oil (OUTPUT)	deg C	125°	120°	120°	110°	-
ENGINE SETTINGS	model	M-63 (p)	AM-35a (s)	AM-38 (s)	M-105RA (s)	V-1710-39 (p)
Normal Operation	RU: Hg RPM GER: ATA RPM	915mm 2200	1040mm 2050	1180mm 2050	910mm 2700	37.2” 2600
Combat / Climb	RU: Hg RPM GER: ATA RPM	~	~	~	~	42”/45.5" (T.O.) 3000 5 min
Emergency Power/ Boost	RU: Hg RPM GER: ATA RPM	1065mm 2300 5min	1240mm 2050 10 min	1280mm 2150 10 min	~	56” 3000 Prohib. by flight man.
Supercharger Stage 1	meters	inf. 3000m	-	-	inf. 2700m	-
Supercharger Stage 2	meters	sup. 3000m	-	-	sup. 2700m	-
Notes	-	-	Mixture lever fully forward for boost	Mixture lever fully forward for boost	-	Mixture set on Auto-rich except emergency
AIRSPEEDS						
Takeoff – Rotation	km/h / mp/h*	145...175	180...200	150...190	160...200	100…118*
Optimal Climb speed	km/h / mp/h*					250*
Landing – Final	km/h / mp/h*	190	200	155	230	137*
Landing – Touchdown	km/h / mp/h*	140	140	135	160	90*
Glideslope	km/h / mp/h*					
Stall speed (in flight conf.)	km/h / mp/h*	143...164	159...175	136...156	175...200	95...110*
Max dive speed	km/h / mp/h*	620	750	570	790	534*
Levers	Throttle	Throttle	Throttle	Throttle	Throttle	Throttle
	Water rad	Inlet cowl sh.	Water rad	Water rad	Water rad	Outlet Cowl sh.
	Oil rad	Oil rad	Oil rad	Oil rad	Oil rad	
	Mixture	Mixture	Mixture	Mix auto @ 50%	Mixture	Mixture
	RPM	RPM	RPM	RPM	RPM switch	RPM
TRIM			ELV/RUD	ELV	ELV/RUD/AIL	RUD/ELV/AIL
TailWheel				Tailwheel lock		
Other (Dive break, Sirene)				Close oil rads for ground	Air break	Parking brake