

## ENGINE OPERATING CHART R-2600-8 (or -8A)

OPERATING CONDITION	PRESSURE ALTITUDE FT. (NO RAM)	CRANKSHAFT RPM OR PROP. GOV. SETTING	MAX. ABS. MANIFOLD PRESSURE	MIXTURE CONTROL	BLOWER RATIO	MAX. CYL. HEAD TEMP. °C	OIL IN* TEMP. °C		OIL PRESSURE LB./IN. <sup>2</sup>
							MIN.	MAX.	
Starting	--	Full Low Pitch	800 RPM	Auto Rich	Low	--	--	--	(20 sec.) 25-90
Warm-Up	--	Full Low Pitch 1000-1200	30.0	Auto Rich	Low & High	205	--	--	25-90
Take-Off	S.L.	2600	43.0	Auto Rich	Low	248 (5 min.)	30	102	75-90
Military Power (5 min.)	S.L. - 3,000 8,000-12,000	2600	43.0-42.0 45.5-44.5	Auto Rich	Low High	248 (5 min.)	60	102	75-90
Normal Rated Power	S.L. - 5,900 8,900-13,000	2400	38.5-37.5 41.0-40.5	Auto Rich	Low High	235 (1 Hr.) 218 (cont.)	60	102	75-90
65% Rated Power (Maximum allowable for Lean Mixture Operation)	S.L. - 13,500 19,800-21,400	2080	29.6-28.5 27.5-27.0	Auto Lean**	Low High	205 (cont.)	60	102	75-90
Landing	--	2400	--	Auto Rich	Low	205	--	--	--
Stopping	--	Full Low Pitch 1000 RPM	--	Idle Cut-Off	Low	149	--	--	--

\* See T.O. 24-41

\*\* Use Auto Rich if max. cyl. Head temp. is exceeded.

\*\*\* 20°C. emergency take-off.

FUEL PRESSURE - 6-7 LBS./SQ. IN.

FIG. 14