

Table of US Engine Details

from November 15, 1945 Aero Digest
Compiled and Donated by Larry McClellan

Manufacturer	Name	Model	Takeoff Horsepower	Number of Cylinders	Super-charger	Comp. Ratio	Octane Rating	Bore	Stroke	RPM	Weight	Oil Pressure Cruising	Oil Pressure Idling	Spark Plug Gap	Magneto Breaker Point Gap	Valve Clearance Cold	Valve Clearance Timing	Ignition Timing BTC	Spark Plug Type	Oil Viscosity (Winter-Summer)	Spark Plug Torque (In-Lb)	Oil Temp Range F	Intake Opens BTC	Exhaust Closed ATC
Aircooled	Franklin	4AC-150	50	4	no	6.60	73	3-5/8	3-5/8	2300	166	35-45	20 Min	.020	.040	.040	...	24-26	Champion J-10	20-40	180	240 Max	10	15
Aircooled	Franklin	4AC-150A	60	4	no	6.90	73	3-5/8	3-5/8	2400	167	35-45	20 Min	.020	.020	.040	...	25-28	C J-10	20-40	180	240 Max	10	15
Aircooled	Franklin	4AC-171	60	4	no	6.25	73 Min	3-7/8	3-5/8	2350	170	35-45	20 Min	.020	.020	.040	...	25-28	C J-10	20-40	180	240 Max	10	15
Aircooled	Franklin	4AC-176B2	65	4	no	6.30	73	4	3-1/2	2300	182	35-45	20 Min	.020	.020	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	4AC-176BA2	65	4	no	6.00	73	4	3-1/2	2300	182	35-45	20 Min	.020	.020	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	4AC-176F3	80	4	no	7.00	80	4	3-1/2	2500	218	35-45	20 Min	.020	.020	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	4AC-176D3	80	4	no	6.30	80	4	3-1/2	2650	218	35-45	20 Min	.020	.020	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	4AC-199D2	85	4	no	6.30	73	4-1/4	3-1/2	2500	189	35-45	20 Min	.020	.020	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	4AC-199E3	90	4	no	7.00	80	4-1/4	3-1/2	2500	223	35-45	20 Min	.020	.020	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	4A4-100-B3	100	4	no	7.00	80	4-1/2	3-1/2	2550	230	30-45	15 Min	.018-.022	.018	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	6AC-264F3	120	6	no	7.00	80	4	3-1/2	2600	282	35-45	20 Min	.020	.020	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Aircooled	Franklin	6A4-150-B3	150	6	no	7.00	80	4-1/2	3-1/2	2600	302	30-45	15 Min	.018-.022	.018	.040	...	26	C J-10 or C -10S	20-40	180	240 Max	15	15
Allison	Allison	V-1710-F30	1500	12	8.10 ¹	6.65	GR 100/130	5-1/2	6	3000	1395	60-70	15 Min	.011-.014	...	I .015, E .020	.000	I 28, E 34	Champion RP43S	100-120	300-360	185-203	48	26
Allison	Allison	V-1710-G3R	1600	12	7.48, 9.60	6.00	GR 100/130	5-1/2	6	3200	1475	60-70	15 Min	.011-.014	...	I .015, E .020	.000	I 35, E 38	CRP43S	100-120	300-360	185-203	48	26
Allison	Allison	V-1710-E30	1500	12	8.10, 7.64	6.00	GR 100/130	5-1/2	6	3000	1660 ²	60-70	15 Min	.011-.014	...	I .015, E .020	.000	I 28, E 34	CRP43S	100-120	300-360	185-203	48	26
Allison	Allison	V-3420-A24	3000	24	7.26	6.65	GR 100/130	5-1/2	6	3000	2695	60-70	15 Min	.011-.014	...	I .015, E .020	.000	I 28, E 34	CRP43S	100-120	300-360	185-203	48	26
Continental	Continental	A65-8	65	4	no	6.30	73	3-7/8	3-5/8	2300	175	30-35	10 Min	.015	.015	hydr tapp	hydr tapp	R30, L30	C C-26 or C-26S	30-40	300-360	Hd 550, Bl 350	10	15
Continental	Continental	C75-12	75	4	no	6.30	73	4-1/16	3-5/8	2275	186	30-35	10 Min	.015	.015	hydr tapp	hydr tapp	R28, L30	C C-26 or C-26S	30-40	300-360	Hd 550, Bl 350	8	16
Continental	Continental	C85-12	85	4	no	6.30	73	4-1/16	3-5/8	2575	186	30-35	10 Min	.015	.015	hydr tapp	hydr tapp	R28, L30	C C-26 or C-26S	30-40	300-360	Hd 550, Bl 350	8	16
Continental	Continental	C115-1	115	6	no	6.30	73	4-1/16	3-5/8	2350	256	35-40	10 Min	.015	.015	hydr tapp	hydr tapp	R28, L30	C C-26 or C-26S	30-40	300-360	Hd 550, Bl 350	15	9
Continental	Continental	C125-1	125	6	no	6.30	73	4-1/16	3-5/8	2350	256	35-40	10 Min	.015	.015	hydr tapp	hydr tapp	R28, L30	C C-26 or C-26S	30-40	300-360	Hd 530, Bl 350	15	9
Jacobs	Jacobs	R-755 (L-4 series)	245	7	no	5.40	73	5-1/4	5	2200	520 ³	60-90	25	.015	.012	.008	I .035, E .040	.30	BG 417S or C C-26S	80-100	300-360	120-185	18	16
Jacobs	Jacobs	R-915 (L-6 series)	330	7	no	6.00	80	5-1/2	5-1/2	2200	570 ³	60-90	25	.015	.012	.008	I .035, E .040	.30	BG 417S or C C-26S	80-100	300-360	120-185	18	16
Jacobs	Jacobs	R-755A (L-4 series)	300	7	no	6.00	80	5-1/4	5	2200	505	60-90	25	.015	.012	.008	I .035, E .040	.31	BG 417S or C C-26S	100-120	300-360	120-185	18	16
Kinmer	Kinmer	K-5	100	5	no	5.10	73	4-1/4	5-1/4	1810	304	100	40 Min	.015	...	I .008, E .012	I .056, E .064	R25, L27	BG 417S or C C-26S	80-100	300-360	120-185	4	9
Kinmer	Kinmer	B-5 & B-54	125	5	no	5.25	73	4-5/8	5-1/4	1925	312	100	40 Min	.015	...	I .008, E .012	I .056, E .064	R25, L27	BG 417S or C C-26S	80-100	300-360	120-185	4	9
Kinmer	Kinmer	R-5 Ser. 2 & R-55	160	5	no	5.50	73	5-1/2	5-1/2	1850	345	100	40 Min	.015	...	I .008, E .012	I .056, E .064	R25, L27	BG 417S or C C-26S	80-100	300-360	120-185	4	9
Kinmer	Kinmer	R-56	160	5	no	5.50	73	5	5-1/2	1850	362	80	40 Min	.015	...	I .008, E .012	I .056, E .064	R25, L27	BG 417S or C C-26S	80-100	300-360	120-185	4	9
Lycoming	Lycoming	O-145-A1	50	4	no	5.65	73	3-5/8	3-1/2	2300	155	65	25	.025	...	.015	mark gear	28	ES HC-83 or C AV-4 ³	20-30	360	220 Max	10	10
Lycoming	Lycoming	O-145-A2 & A3	55	4	no	6.50	73	3-5/8	3-1/2	2300	165	65	25	.025	...	.015	mark gear	20	ES HC-83 or C AV-4 ³	20-30	360	220 Max	10	10
Lycoming	Lycoming	O-145-B1	65	4	no	6.50	73	3-5/8	3-1/2	2550	155	65	25	.025	...	.015	mark gear	22	ES HC-83 or C AV-4 ³	30-40	360	220 Max	20	20
Lycoming	Lycoming	O-145-B2 & B3	65	4	no	6.50	73	3-5/8	3-1/2	2550	165	65	25	.025	...	.015	mark gear	20	ES HC-83 or C AV-4 ³	30-40	360	220 Max	20	20
Lycoming	Lycoming	O-145-C21	75	4	no	6.50	73	3-5/8	3-1/2	3100	155	65	25	.025	...	.015	mark gear	28	ES HC-83 or C AV-4 ³	30-40	360	220 Max	20	20
Lycoming	Lycoming	O-145-C2 & C3	75	4	no	6.50	73	3-5/8	3-1/2	3100	165	65	25	.025	...	.015	mark gear	25	ES HC-83 or C AV-4 ³	30-40	360	220 Max	20	20
Lycoming	Lycoming	GO-145-C1	75	4	no	6.50	73	3-5/8	3-1/2	3200	183	65	25	.025	...	.015	mark gear	28	ES HC-83 or C AV-4 ³	30-40	360	220 Max	20	20
Lycoming	Lycoming	GO-145-C2 & C3	75	4	no	6.50	73	3-5/8	3-1/2	3200	198	65	25	.025	...	.015	mark gear	25	ES HC-83 or C AV-4 ³	30-40	360	220 Max	20	20
Lycoming	Lycoming	O-235	100	4	no	6.25	73	4-3/8	3-7/8	2550	235	65	25	.012	...	zero lash tap	mark gear	25	C AV-4	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-235-A	100	4	no	6.25	73	4-3/8	3-7/8	2600	264	65	25	.012	...	zero lash tap	mark gear	25	C AV-4	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-235-B	100	4	no	6.25	73	4-3/8	3-7/8	2600	239	65	25	.012	...	zero lash tap	mark gear	25	C AV-4	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-290	125	4	no	6.25	73	4-7/8	3-7/8	2450	231	65	25	.012	...	zero lash tap	mark gear	20	C AV-4	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-290-A	125	4	no	6.50	73	4-7/8	3-7/8	2600	273	65	25	.012	...	zero lash tap	mark gear	20	C AV-4	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-290-B & C	130	4	no	6.50	73	4-7/8	3-7/8	2800	245	65	25	.012	...	zero lash tap	mark gear	20	C C-26	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-435	175	6	no	6.25	73	4-7/8	3-7/8	2300	346	65	25	.012	...	zero lash tap	mark gear	15	C AV-4	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-435-A	190	6	no	6.50	73	4-7/8	3-7/8	2550	379	65	25	.012	...	zero lash tap	mark gear	15	C AV-4	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-435-B	235	6	no	7.50	100	4-7/8	3-7/8	3000	363	65	25	.012	...	zero lash tap	mark gear	25	C C-26	40-50	360	220 Max	20	20
Lycoming	Lycoming	O-435-C	190	6	no	6.50	73	4-7/8	3-7/8	2550	348	65	25	.012	...	zero lash tap	mark gear	15	C C-26	40-50	360	220 Max	20	20
Lycoming	Lycoming	GO-435	210	6	no	6.50	73	4-7/8	3-7/8	3000	399	65	25	.012	...	zero lash tap	mark gear	25	C C-26	40-50	360	220 Max	20	20
Lycoming	Lycoming	GO-435-B	220	6	no	7.50	100	4-7/8	3-7/8	3000	401	65	25	.012	...	zero lash tap	mark gear	25	C C-26	40-50	360	220 Max	20	20
Lycoming	Lycoming	R-680	215	9	no	5.30	73	4-5/8	4-1/2	2000	475	50	15	.012	.012	.015	mark gear	30	BG 4B2	100-120				