

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
WASHINGTON

E-255-2 MOONEY CC46M-2 CC46M-2A October 7, 1948

AIRCRAFT ENGINE SPECIFICATION

Engines of models described herein conforming with this specification and approved data on file with the Civil Aeronautics Administration are rated as airworthy for use in certificated aircraft in accordance with pertinent aircraft specifications.

Manufacturer Mooney Aircraft Inc.
6301 E. Harry
Airport Post Office
Wichita, Kansas

	CC46M-2	CC46M-2A
Model	CC46M-2	CC46M-2A
Type	4LW	--
Reduction ratio (belt drive)	.500:1	--
Ratings		
Maximum continuous BHP-RPM-SL	25-3900-S.L.	--
Take-off BHP-RPM	25-3900-S.L.	--
Fuel (min. octane aviation gasoline)	80	--
Bore and stroke, inches	2.5 X 2.25	--
Displacement, cubic inches	44	--
Compression ratio	8:1	--
Weight (dry), lbs. (includes generator)	101	--
C.G.location		
Fwd. of left rear mount, inches	8.0	--
Above left rear mount, inches	3.5	--
Propeller shaft	Integral flanged hub	--
	Six 3/8 bolts, 4 inch circle	
Carburetion	Tillotson DY-9B carburetor (Mooney No. E-251)	--
Ignition, Dual (battery)	Delco-Remy X-20010 distributor (Mooney No. E-273) Delco-Remy 1115378 ignition coil (Mooney No. E-388) Auto-Lite Gas-4190 generator (Mooney No. E-338)	--
Ignition, timing, °BTC	Left 8, Right 6, below 1200 RPM	--
Spark plugs	Left, Champion Y4A Right, Champion H9	--
Oil sump capacity, qts.	2.25	--
Coolant capacity (engine only)		
qts.	1.8	--
Coolant	40% min. AN-E-2C, Prestone, or Zerex, remainder water	--
NOTES	A, 1, 2, 3, 4	A, 1, 2 3, 4, 5
Certification Basis	Type Certificate No. 225 None (See NOTE A)	

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