

DEPARTMENT OF TRANSPORT
AIR SERVICES
OTTAWA, CANADA

A 52 Issue 3
Martin JRM-3

AIRCRAFT TYPE APPROVAL

April 22, 1965

Manufacturer: Glenn L. Martin Company
Baltimore 3, Maryland, U.S.A.

Model: JRM-3 (Restricted Category)
(Water Dropping Only)

Engines: 4 Wright R3350-24Wa

Fuel: 100/130 Minimum grade aviation gasoline

Engine Limits:

	<u>ALT.</u>	<u>RATED</u> <u>HP</u>	<u>RPM</u>	<u>MP</u> <u>IN HG</u>
Take-off (5 min.)	S.L.	2500	2900	55
Max. continuous	3600	2100	2400	45

Airspeed Limits: V_{ne} (Never Exceed) 200 knots
(I.A.S.) 150 knots (rough air)
Maximum flap speed 115 knots
Maximum speed with full rudder 100 knots
displacement

Maximum Weight Take-off 148,500 lb. (See Note 3)
Landing 148,500 lb.

C.G. Range: 27.0% MAC to 35.4% MAC at 148,500 lb.
26.0% MAC to 36.0% MAC at 145,000 lb. or less
(Straight line variation between points given)

M.A.C.: 241.4 in. L.E. MAC 429.3 in. aft of Reference Datum
(Reference Datum 5.5 in. forward of Hull Station 0)

Levelling Means: See Maintenance Manual Section 3-52

Minimum Crew: 3 (Pilot, co-pilot and flight engineer or 3 qualified pilots)

Fuel Capacity: 11,012 Imperial Gallons in:
2 Forward Hull Tanks 2,182.5 gal. each
2 Center Hull Tanks 1,616 gal. each
2 Rear Hull Tanks 2,199.5 gal. each
2 Wing Service Tanks 408 gal. each

Oil Capacity: 488 Imperial gallons (122 gal. in each nacelle)

Serial Nos Eligible: 76820 76821, 76822 and 76823

Required Equipment: Airplane Flight Manual, Weight and Balance Report

Propeller: 4 Curtiss Model C644S-A or C644S-B314

NOTE 1: The following placard must be placed over each entrance door:

"Restricted - Water Dropping Only"

NOTE 2: For water dropping work, the crew is limited to that necessary for safe operation of the aircraft and the operation of the water dropping equipment.

NOTE 3: The gross weight may be increased to a maximum of 162,000 lb. when the excess weight above 148,500 lb. is picked up whilst taxiing (on the step) at a speed in excess of 60 knots.

C.G. Range: 29.9% MAC to 33.8% MAC at 162,000 lb.
26.0% MAC to 36.0% MAC at 145,000 lb. or less
(Straight line variation between points given)



(W.M. McLeish),
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