

SPECIALIST AEROSPACE WEIGHT & BALANCE SERVICES

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## WEIGHT AND CENTRE OF GRAVITY SCHEDULE

REF. NUMBER LW 12484 Issue. 1

AIRCRAFT DESIGNATION Mooney M20J

NATIONALITY & REGISTRATION MARK G-BJHB

CONSTRUCTOR Mooney Aircraft Corp.

CONSTRUCTOR'S SERIAL NUMBER 24-1190

MAXIMUM AUTHORISED WEIGHT 2,740 lb

CENTRE OF GRAVITY LIMITS Refer to Flight Manual

PART A: BASIC WEIGHT

The Basic Weight of the aircraft as calculated from LOADMASTERS

Weighing Report 19DE12484 ,dated 12-Dec-19 is: 1,882 lb

The Centre of Gravity of the aircraft in the same condition

at this weight and with the landing gear extended is: 45.72 inches aft of datum

The total moments about this datum in this condition are: 86,037 lb.in

Note: The datum is the one to which the limits in the Certificate of Airworthiness or

Flight Manual refer and is defined as 5.0 inches aft of the centreline of the nose gear support bolts and is station 0.00.

The Basic Weight includes the weight of the total quantity of unusable fuel and full oil and the weight of the following items which comprise the list of Basic Equipment:-

Radio - as listed in separate aircraft equipment list.

Flight Instruments - as listed in separate aircraft equipment list.

Fire Extinguisher

First Aid kit



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PART B: VARIABLE LOAD

The weight and lever arms of the crew and equipment which form the Variable Load for the particular role, are shown below.

ITEM WEIGHT (Ib) ARM (in) MOMENT (Ib.in)
Pilot actual arm actual wt. x arm

## PART C: LOADING INFORMATION (DISPOSABLE LOAD)

The appropriate lever arms are:-

ITEM	WEIGHT	ARM	MOMENT
Fuel: - 64 USG	384 max. usable	48.40	actual wt. x 48.40
Front Passenger	actual	34.0 to 39.0	actual wt. x 34.0 to 39.0
Rear Passenger	actual	70.70	actual wt. x 70.70
Baggage in Baggage Compartment	120 maximum	95.50	actual wt. x 95.50
Baggage in Hatrack	10 maximun	119.00	actual wt. x 119.00

Fuel density is 6lb/USG

Note: To obtain the total loaded weight of the aircraft, add to the Basic Weight the weights of the Variable and Disposable Load items to be carried for the particular role.

This schedule was prepared for and on behalf of the Owner

on 12-Dec-19 and supersedes all previous issues.

Signed

Thomas Hill For and on behalf of Loadmasters Ltd CAA Approval ref. Al/9901/04

Note: The Commander of the aircraft shall satisfy himself before take-off that the load is of such a weight and is so distributed and secured that it may safely be carried on the intended flight.

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		WEIGHING RECO	RD Ref. no.	19DE12484	Issue 1	
Aircraft	Mooney M20J	Registration G-BJH	В	Serial no.	24-1190	
Place	Coventry	Date 12-Dec-1	9	Weighed by	Thomas Hill	
Equipmen	Platforms AC	1-10 Air Guardian				
Aircraft at	litudeLEVELdegree	es Nose U <del>p / Down</del>				
		6	10			
	2	5	9		12	
	1	4	8		11	
		3	/			
	nose wheels <del>-jacking point</del>	main wheels	beniel.	ماشاه	jacking point	
All Weight	s in lb / kg	111011 111011	710.07	30000		
Pos'n S/I		Veight (Each reaction)	Weight (Totals)	Arm in-m	Morrient lb.kg.in.m	
1	10			4.05		
2	10		539	-4.95	-2,668	
3						
4 4	56	665	1,343	66.05	88,705	
-	06	678	1,040	00.00	50,755	
6						
7						
8						
9						
10						
11						
12						
AS WEIGHE	)		1,882	45.72	86,037	
Total Subtra	cilions <del>(sau avar)</del>	Nil	0		٥	
Total Additi	ons ( <del>soo ove</del> r)	Nil	0		0	
AIRCRAFT V	VEICHI		1,882	45.72	86,037	
REMARKS:	Participation of the control of the	2000 NO 2000 NO 2000 NO 2000 NO	20000000		- 50 WHEN	
The Aircre	off Weight with the fu	el lanks emply <del>(completel</del> y/but	including unu	usable fuel), «	engine oil full,	
systems primed and equipped as perAeroTech.Ltd						
Check List dated12-Dec-19 is1,882.lb						
The Centre of Gravity (Arm) is45.72_in aft at the datum						
Codford Book		41		1/10		

for and on behalf of Loadmasters

C.A.A. Approval rel. Al/9901/04

weighed in accordance with the terms at the order applicable thereto and unless otherwise stated above.

conforms fully to the standards/specifications quoted boroon and the requirement of the C.A.A. or other regulating authority.