

WEIGHT & BALANCE AND SUPPLEMENTAL EQUIPMENT LISTINGS

Prepared by
SPARKCHASERS AIRCRAFT SERVICES
3149-B SWIFT CREEK ROAD
SMITHFIELD, NC 27577
PHONE: 919-934-1654

AIRCRAFT REGISTRATION: N142MP

MAKE: Mooney

MODEL: M20L

AIRCRAFT SERIAL NUMBER: 26-0023

Aircraft Previous Weight and Balance Data Dated: 05/10/2022

REMOVED THE FOLLOWING EQUIPMENT:

	WEIGHT (LBS.) 2182.31	ARM(IN.) 41.76	MOMENT 91124.89
1 ea Vision Microsystems Data Processor Unit	-1.99	8.50	-16.92
1 ea Vision Microsystems VM1000 Display Unit	-0.79	16.00	-12.64
1 ea Vision Microsystems Manifold Pressure Sensor	-0.36	3.68	-1.32
1 ea Vision Microsystems Oil Pressure Sensor	-0.38	0.68	-0.26
1 ea Vision Microsystems Fuel Pressure Sensor	-0.34	1.68	-0.57
1 ea Vision Microsystems Fuel Flow Transducer	-0.23	-21.50	4.95
1 ea Vision Microsystems RPM Sensor	-0.30	-16.50	4.95
1 ea OEM Oil Temp Probe	-0.14	-13.50	1.89
6 ea Vision Microsystems EGT Probe	-0.90	-27.32	24.59
6 ea Vision Microsystems CHT Probe	-0.82	-27.32	22.40
1 ea Mooney Fuel Senders (Pilot INBD)	-0.45	48.50	-21.83
1 ea Mooney Fuel Senders (Co-PILOT inBD)	-0.45	48.50	-21.83
1 ea Mooney Fuel Senders (Pilot OTBD)	-0.45	48.50	-21.83
1 ea Mooney Fuel Senders (Co-Pilot INBD)	-0.45	48.50	-21.83
1 ea Vision Microsystems EGT/CHT Wiring Harness	-1.30	3.68	-4.78

INSTALLED THE FOLLOWING EQUIPMENT:

1 ea JPI EDM 930 (P/N: 790000-A-5640) (S/N: 14022)	1.70	13.00	22.10
6 ea EGT Probes (P/N: M-111) (S/N: N/A)	0.90	-27.32	-24.59
6 ea CHT Probes (P/N: 5050) (S/N: N/A)	0.82	-27.32	-22.40
1 ea JPI P1 Harness P/N:790200 S/N:169607	0.15	3.68	0.55
1 ea JPI P2 Harness (P/N: 700700) (S/N:116077	0.99	3.68	
1 ea JPI P3 Harness (P/N:790422) (S/N:165673)	0.39	3.68	1.44
1 ea JPI P4 Harness (P/N:700708) (S/N:152744)	0.25	3.68	0.92
1 ea JPI P5 Harness (P/N:790723) (S/N: 149127)	0.27	3.68	0.99
1 ea CIES Fuel Sender (Pilot OTBD) (P/N: CC2840220709-101) (S/N: MY2010)	0.27	48.50	13.10
1 ea CIES Fuel Sender (Co-Pilot OTBD) (P/N: CC2840220709-101) (S/N: MY2011)	0.27	48.50	13.10
1 ea CIES Fuel Sender (Pilot INBD) (P/N: CC2840220708-101) (S/N: MY2008)	0.27	48.50	13.10
1 ea CIES Fuel Sender (Co-Pilot INBD) (P/N: CC2840220708-101) (S/N: MY2009)	0.27	48.50	13.10
1 ea MAP Transducer (P/N: 159934) (S/N: 404152)	0.42	3.68	1.55
1 ea Oil Pressure Transducer (P/N: 159936) (S/N: 13032)	0.42	0.68	0.29
1 ea Fuel Pressure Transducer (P/N: 159935) (S/N: 10203)	0.42	1.68	0.71
1 ea RPM Transducer (P/N:420815-2) (S/N: 169789)	0.42	-16.50	-6.93
1 ea Oil Temp Probe (P/N: 400509) (S/N: 16157)	0.21	-13.50	-2.84
1 ea OAT Probe (P/N: 400510) (S/N: 19055)	0.13	37.50	4.89
1 ea Shunt (P/N: 159920) (S/N: 12974)	0.22	3.68	0.81
1 ea Remote Alarm Light (P/N: 790547) (S/N: 167668)	0.11	21.80	2.40
1 ea Fuel Flow Transducer (P/N:700900-1) (S/N:248520)	-0.23	-21.50	4.95

2181.625 41.76 91096.87

Total Moment = CG = 91096.87 = 41.67
Total Weight 2181.625

Aircraft New Empty Weight: 2181.625 Pounds
Aircraft New Empty Weight CG: 41.76 Inches
Aircraft Gross Weight: 2900.00 Pounds
Aircraft New Useful Load: 718.38 Pounds

Note: This facility is not responsible for any past Weight & Balance computations. It is the responsibility of the airplane owner and pilot to ensure that the aircraft is loaded properly.
The above Weight & Balance computed using previous data dated: 05/10/2022.

Signed 
Sparkchasers Aircraft Services
CRS# XSPR699K

Date 05/30/25