

**SECTION 1 – MASS AND CENTRE OF GRAVITY SCHEDULE (MCGS)**

Aircraft designation	: EC120B								
Nationality	: Malaysia								
Registration number	: 9M-GAS								
Aircraft manufacturer/constructor	: Airbus Helicopters								
Aircraft serial number	: 1089								
Weight limitations – maximum authorized weight in flight	: 1,715 kg								
<p><b>CENTRE OF GRAVITY LIMITATIONS</b></p> <p>For Longitudinal Forward and Aft CG Limit at various gross weight, refer EC120B approved flight manual, No. 1523, Sec 2- Limitation; Figure 2-1: Longitudinal CG Chart.</p> <p>For Lateral LH and RH Limit and Aft CG Limit at various gross weight, refer EC120B approved flight manual, No. 1523, Sec. 2- Limitations; Figure 2-2: Lateral CG Chart.</p>									
<p><b>DATUM REFERENCES</b></p> <p>Longitudinal datum line (Station 0) is located 4.00 m forward of the main rotor head centreline. Lateral datum is the aircraft symmetry plane</p>									
<p><b>PART A – BASIC WEIGHT</b></p> <p>The Basic Weight of the aircraft as calculated in Section 2 is : 1102.58 kg</p> <p>The aircraft was weighed on (date) : 02/03/2020</p> <p>The C.G of the aircraft in the same condition at this weight is</p> <table border="0"> <tr> <td>: LONGITUDINAL</td> <td>4.156</td> </tr> <tr> <td>: LATERAL</td> <td>-0.014</td> </tr> </table> <p>The total moment about the datum in this condition is</p> <table border="0"> <tr> <td>: LONGITUDINAL</td> <td>4582.68</td> </tr> <tr> <td>: LATERAL</td> <td>-15.41</td> </tr> </table> <p>The Basic Weight includes the weight of the total quantity of unusable fuel, oil &amp; fluids in the normal condition and the list of equipment as specified in Section 3 – Basic Equipment List.</p>		: LONGITUDINAL	4.156	: LATERAL	-0.014	: LONGITUDINAL	4582.68	: LATERAL	-15.41
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**PART 2B – EQUIPMENT LIST**

NO	EQUIPMENT	QTY	WEIGHT (KG)	ARM (M)
1.	FLIGHT STEPS	2	-	-
2.	SLIDING DOOR	1	-	-
3.	MAGNETIC COMPASES	1	-	-
4.	REMOTE INDICATING SN3308	1	-	-
5.	OIL TEMP	1	-	-
6.	OUTSIDE AIR TEMP	1	-	-
7.	TURBINE TEMP (T4)	1	-	-
8.	BATT TEMP	1	-	-
9.	AIRSPEED INDICATOR	1	-	-
10.	DIRECTIONAL GYRO.	1	-	-
11.	FLIGHT HOUR INDICATOR	1	-	-
12.	VEMD	1	-	-
13.	GYRO HORIZON	1	-	-
14.	TACHOMETER INDICATOR	1	-	-
15.	TURN & BANK INDICATOR	1	-	-
16.	ADF KING KR87	1	-	-
17.	HEADSETS	2	-	-
18.	GPS/COMM GARMIN GNC420	1	-	-
19.	VHF COMM KING KY196A	1	-	-
20.	TRANSPONDER GTX320	1	-	-
21.	ENCODER AK350	1	-	-
22.	AUDIO GARMIN GMA340	1	-	-
23.	RADALT KING KRA10A	1	-	-
24.	CD PLAYER PIONEER	1	-	-
25.	ALTIMETER	1	-	-
26.	AMMETERS	1	-	-
27.	CLOCKS	1	-	-
28.	ENGINE OIL PRESSURE GAUGE	1	-	-
29.	FUEL CONTENT GAUGE	1	-	-
30.	ANTICOLLISION LIGHT	1	-	-
31.	LANDING/TAXI LIGHT	1	-	-
32.	MAP READING LIGHTS	2	-	-
33.	NAVIGATION LIGHTS	3	-	-
34.	DUAL CONTROLS	1	-	1.99
35.	FIRE EXT (PORTABLE)	1	2.01	2.40
36.	FLIGHT MANUAL	1	-	-
37.	FIRST AID KIT	1	1.74	2.64

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**Mass And Balance Report**

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NO	EQUIPMENT	QTY	WEIGHT (KG)	ARM (M)
38.	TECH LOG FILE	1	-	-
39.	PASSENGER LIGHT	1	-	-
40.	EMERGENCY LOCATOR TRANSMITTER	1	-	-
41.	MAIN FUNCTION DISPLAY GMX 200	1	-	-
42.	INSTRUMENT LIGHT	1	-	-