



# AIRCRAFT TECHNICAL SPECIFICATION SHEET

## YR-MDS (MSN: 48098)

-Specification IAW ATA 100 Chapters-

Registration:	<b>YR-MDS</b>	Serial Number:	<b>48098</b>
Date of Report:	<b>18 February 2010</b>	Model/Series:	MD-82

### Chapter 1. GENERAL DESCRIPTION

<b>Model Designation:</b>	MD-82
<b>Date of Manufacture:</b>	19-03-1982
<b>Engine Model:</b>	PW JT8D-217
<b>Noise Certification Status (EPNdb) (Stage 4)</b>	T/O: 86.6dB Sideline: 94.1dB Appr: 93.3dB
<b>Cabin Crew Accommodation:</b>	1 CAPT/1 F.O
<b>Passenger Accommodation:</b>	147 (12FC+135Y)
<b>Approach Category:</b>	CAT III
<b>Effectivity Number:</b>	1060
<b>Country of Registration:</b>	ROMANIA
<b>Registration Authority:</b>	ROMANIAN CAA
<b>Galley Configuration</b>	2 FWD, 4 AFT
<b>Cargo configuration</b>	FWD-MID-AFT
<b>Current Operator:</b>	JETLAN AIR

### Chapter 3. DESIGN WEIGHTS & MAIN DIMENSION

<b>Maximum Gross Taxi Weight:</b>	148,000lbs (67,132 kg.)
<b>Maximum Take-off Weight:</b>	147,000lbs (66,678 kg.)
<b>Maximum Landing Weight:</b>	128,000lbs (58,060 kg.)
<b>Maximum Zero Fuel Weight:</b>	118,000lbs (53,524 kg.)
<b>Operating Empty Weight:</b>	80,965lbs (36,725 kg.)
<b>Fuel Capacity: (volume)</b>	5,836 US Gallons (22,092 lt.)
<b>Wing Span</b>	107.8 ft (32.8m)
<b>Length Overall</b>	147.8 ft (45.05m)
<b>Height Overall</b>	29.6 ft (9.02m) @ top VS



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### Chapter 5. MAINTENANCE SCHEDULE AND STATUS

Date	Total Hours	Total Cycles
<b>18 February 2010</b>	<b>60022:32</b>	<b>49193</b>

**INSPECTION FREQUENCY: MS in accordance with manufacturer OAMP 761-93-MSG II**

"R" Check - at 300 flight hours or 45 days, whichever comes first

"A" Check - at 450 flight hours

"C" Check - at 3500 flight hours or 18 months, whichever comes first

Maintenance Program		Last Accomplishment			Next Accomplishment			Remaining (HOURS)
		Date	Hours	Cycles	Date	Hours	Cycles	
R		21 Dec 2009	59984:41	49175	N/A	60284	N/A	262
A	A1	21 Dec 2009	59984:41	49175	N/A	60434	N/A	412
C Check	C4	21 Dec 2009	59984:41	49175	21 Jun 2011	63484	N/A	3462

### Chapter 22. AUTOMATIC FLIGHT CONTROLS

Item	Manufacturer	Remarks	Part No	Qty
Logic Computer	Honeywell	DFGC	4034241-971	2
Longitudinal Computer	Honeywell	DFGC	4034241-971	2
Lateral Computer	Honeywell	DFGC	4034241-971	2
Pitch Trim Computer	Honeywell	DFGC	4034241-971	2
Pitch Compen. Computer	Honeywell	MachTrim	2587284-962	1
AFCS Test Computer	N/A	N/A	N/A	N/A
Yaw Stability Computer	Honeywell	Yaw Damper	2589445-933	1
Thrust Control Computer	Honeywell	Thrust Rate Comp	LG80E1	

### CHAPTER 23. COMMUNICATIONS

Item	Manufacturer	Remarks	Part No	Qty
Transceiver – VHF	HONEYWELL	8.33 KHz	064-50001-0101	3
Pax. Address Ampf.	COLLINS		622-4096-001	1
VHF Aerial	SENSOR SYSTEM		S65-8262DC10A	3
Cockpit Voice Recorder	LORAL		93A100-30/-80	1
VHF Control Panel	AVTECH	8.33KHz	7522-1-9	3
FIXED ELT	ARTEX	406 MHz	453-5000-264	1
Transceiver – HF	COLLINS		622-3371-001	1



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### CHAPTER 24. ELECTRIC POWER

Item	Manufacturer	Remarks	Part No	Qty
Generator Control Unit	SUNDSTRAND		976J254-4	3
Constant Speed Drive	SUNDSTRAND		696233B	2
AC Generator 40 KWA	SUNDSTRAND		976J252-6	3
Main Battery	MARATHON		30475-002	2

### Chapter 25. EQUIPMENT AND FURNISHING

Item	Manufacturer	Remarks	Part No	Qty
Tourist Class Seats	JEPSON BURNS	TRIPLE	86783001AF1	33
Tourist Class Seats	JEPSON BURNS	DOUBLE	86782001AF1	28
Oven	BE AEROSPACE/SELL		VARIOUS	3
Galley G1	NORDSKOG		1-309B	1
Galley G2	DRIESSEN		101028-1	1
Galley G4	DRIESSEN		101029-1	1
Galley G4B	DRIESSEN		101030-1	1
Galley G5	DRIESSEN		101031-1	1
Galley G6	DRIESSEN		101032-1	1
FWD LAV RH	JAMCO		4071001-101	1
AFT LAV LH	JAMCO		111000-103	1
AFT LAV RH	JAMCO		111000-104	1
BALLISTIC DOOR &RAS SYSTEM	TIMCO INC.		01T023T507-533	1

### Chapter 27. FLIGHT CONTROLS

Item	Manufacturer	Remarks	Part No	Qty
Slat Control Unit	SUNDSTRAND	Stall warning computer	965-0449-002	2
Slat/Flap Instrumentation Unit	ELDEC	Electronic Proximity box	8-336-09	1
Flap Instrumentation Unit	ROSEMOUNT AEROSPACE	Pos. Ind transmitter	0070N1	1
Ground Spoiler Control Box	HYDRO AIRE		42-091-3	1



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### Chapter 28. FUEL

Item	Manufacturer	Remarks	Part No	Qty
Fuel Qty Ind. Ampf.	GULL INSTRUMENTS		367-000-001	1
Fuel Level Indicator	GULL INSTRUMENTS		372-001-001	1
APU Fuel Booster P.	LUCAS		RR559A	1

### Chapter 29. HYDRAULICS

Item	Manufacturer	Remarks	Part No	Qty
Aux Pump	LUCAS WESTERN		861555	1
Power Transfer Unit	AERO HYDRAULIC		4100310-6	1

### Chapter 31. INDICATION AND RECORDING SYSTEMS

Item	Manufacturer	Remarks	Part No	Qty
FDAU	AER TRANSPORT SYSTEM		4034242-996	1
S/State Flt. Data Rec.	FAIRCHILD		17M800-251(261)	1

### Chapter 32. LANDING GEAR

Item	Manufacturer	Remarks	Part No	Qty
Brakes	ABS		5004321-14	4
Wheels (Main)	ABS		5004320-8	4
Wheels (Nose)	ABS		9550267-6	2

<i>Landing Gear Data</i>			
	S/N	TSO CSO	OH DATE
Nose Gear Cycles P/N5910447-5041	CPI439A	2223:39 1371	14 OCT 2007
Left Main Gear P/N 5930593-5503	CPT0967	2223:39 1371	14 OCT 2007
Right Main Gear P/N 5930593-5504	CPT0183	2223:39 1371	14 OCT 2007

**NOTE: MRB OH LIMITS- MLG 20000cy/10Y; NLG 16500cy/8Y- whichever occurs first**



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### Chapter 34. NAVIGATION

Item	Manufacturer	Remarks	Part No	Qty
Receiver – ADF	COLLINS		777-1492-004/-005	1
Tx – Weather Radar	COLLINS		622-5132-108	1
Standby Compass	SFENA		C4	1
Altimeter	SPERRY		4005123-907	2
Standby Altimeter	SPERRY		WL101AMS1	1
Radio Altimeter Indic.	COLLINS		522-4825-004	2
Tx/Rx – Radio Altimeter	COLLINS		622-3890-014	2
MHRS Coupler	N/A		N/A	
INS Inertial Nav.Unit	N/A		N/A	
INS Mode Selector	N/A		N/A	
Vertical Speed Indicator	HONEYWELL		066-50002-8101	2
Horiz.Situa. Indic.	HONEYWELL		4038930-901	2
ATT/Director Indic.	HONEYWELL		4019700-903	2
Standby Horiz. Indic.	SFENA		705-15V1	1
Transponder – ATC(EHS)	BENDIX		066-01127-1402	2
Mach Airspeed Indicator	HONEYWELL		4057800-906	2
Standby Airspeed Indicator	SPERRY		WL101AMS1	1
Interrog. (Tx/Rx)– DME	COLLINS		622-2921-001	2
Rx – Marker Beacon	COLLINS		522-2996-001	1
Rx – VOR/ILS	COLLINS		822-0760-009	2
FMS/GPS	UNIVERSAL		UNS1-L	2
TAWS CLASS A/B	UNIVERSAL		3010-00-00	1
ADC – Air Data Comp.	HONEYWELL		HG280D80	2
Accelerometer	HONEYWELL		40342238-901	2
TCAS Computer	HONEYWELL	MOPS 7	066-50000-2120	1
WINDSHEAR COMPUTER	HONEYWELL		4059845-911	1



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### Chapter 49. AIRBORNE AUXILIARY POWER (APU)

Item	APU
Model	GTCP85-98DHF
Manufacturer	GARETT
Part Number	381276-1
Serial Number	P170C

### Chapter 72. ENGINES

Item	ENGINE 1	ENGINE 2
Serial Number	708451	709892
Manufacturer	PWA	PWA
Model	JT8D-217	JT8D-217
Thrust Rating*	20000lbs*	20000lbs*
Install Date	December, 2009	February, 2010
Time Since New	<b>48764:22</b>	<b>36225:39</b>
Cycle Since New	<b>41168</b>	<b>26769</b>
T.S.L.S.V.	<b>37:51</b>	<b>4659:39</b>
C.S.L.S.V.	<b>18</b>	<b>3049</b>
First Limiter Disc	<b>T1 Disk</b>	<b>Shaft, LPT</b>
First Limiter Cycle	<b>4980</b>	<b>2421</b>
Last Shop Visit Center	IAI Bedek	A.E.S. Inc.

(\*)NOTE

A thrust setting limited to 19,250 lbs. (JT8D-209), 20,850 lbs. (JT8D-217, -217A, -217C) and 21,700 lbs. (JT8D-219) static thrust at sea level, flat rated to 84°F ambient temperature has been established as maximum takeoff thrust rating. A thrust setting limited to 18,500 lbs. (JT8D-209), 20,000 lbs. (JT8D-217) static thrust at sea level, flat rated to 77°F ambient temperature and 20,000 lbs. (JT8D-217A-217C) and 21,000 lbs. (JT8D-219) static thrust at sea level, flat rated to 84°F ambient temperature has been established as normal takeoff thrust rating for normal takeoff operation.

### Appendix. PERFORMED C CHECK SUMMARY

Maintenance Type	Last O/H Center	Release Date	Hours	Cycles
C3	ROMAERO	21 DEC. 2009	59984:41	49175