

LOAD DATA SHEET - PAGE 1 OF 3 - AEROPLANE WEIGHT

Aeroplane Type: PIPER PA28-181
 Registration Marking: VH-ZFP Serial No: 2881499

ISSUE..... ONE	DATE..... 17-Jan-22	EXPIRY..... INDEFINITE
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AEROPLANE WEIGHT AND CENTRE OF GRAVITY DATA:

ITEM	WEIGHT (kg)	ARM (mm aft of datum)	MOMENT (Kg.mm)	CABIN CONFIGURATION
EMPTY	800.7	2274.3	1820953	FOUR SEATS TOTAL
STANDARD CABIN CONFIGURATION				
THE FOLLOWING IMPERIAL UNITS ARE FOR USE WITH THE PILOTS HANDBOOK SECTION SIX				
EMPTY	1765.2	89.54	158052	FOUR SEATS TOTAL

NOTE: The above empty weights include:-

EMPTY - unusable fuel and full oil

AcroWeigh Pty. Ltd.
 BRUCE CLISSOLD
 AUTHORITY LICENSEE
 MODEL: 0412 58 5551

LOAD DATA SHEET - PAGE 2 OF 3 - EQUIPMENT LIST
 This list details the items included in the empty weight shown in Page 1.

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ENGINES/PROPELLERS	INSTRUMENTS
Lycoming IO-360-B4A..... 1	Altimeters..... 1*
Sensenich 76EM8S14..... 1	Standby Altimeters..... G5
	Volt/Ammeters..... 1*
	Clocks..... 1*
COMPASSES	GAUGES
Magnetic..... 1	Engine Oil Pressure..... 1*
Remote Indicating..... 1*	Fuel Contents..... 2*
	Fuel Pressure..... 1*
THERMOMETERS	LIGHTS
Cyl Head Temp..... 1*	Tail Strobe..... 1
Oil Temp..... 1*	White Strokes (Tips)..... 2
Outside Air Temp..... 1*	Insl. Full Panel..... 1
	Inst. Overhead..... 2
INDICATORS	Landing..... 2
Airspeed..... 1*	Map..... 2
Standby Airspeed..... G5	Navigation..... 4
Direction Indicator..... 1*	Cockpit Courtesy..... 1
Exhaust Gas Temp..... 1*	Passenger O/Head..... 2
Hourmeters..... 2	
Fuel Flow..... 1*	RESTRAINT EQUIPMENT
Altitude Indicator..... 1*	Lap-sash Inertia..... 4
Standby Gyro Horizon..... G5	Inflatable Restraints..... 2
Tacho Non-recording..... 1*	Rear Baggage Straps..... 2
Trim Indicator..... 2	
Vertical Speed..... 1*	ELECTRICAL EQUIPMENT
Altitude Alert..... 1*	Alternator..... 1
CO Detector..... Guardian	Batteries..... 2
	Starters..... 1
RADIO EQUIPMENT (TYPE)	External Power..... 1
ADF..... 0	
Autopilot..... GARMIN GFC700	MISCELLANEOUS EQUIPMENT
Speakers..... 1	Dual Controls..... 1
G/slope..... 1	Fire Ext.(Portable)..... 1
Headsets..... 1	Heated Pitot..... 1
GPS/Com..... GARMIN GIA64W(x2)	Cabin Heat (Muff)..... 1
Audio/Mkr..... GARMIN GMA1360	Alternate Static..... 1
Txponder..... GARMIN GTX345R	Piper Vent Fan..... 1
PFID..... GARMIN GDU1050	Airconditioner..... 1
MFD..... GARMIN GDU1054	Electric Trim..... 1
ADAHRS..... GARMIN GSU75	Wheel Fairings..... 0
Magnetomtr..... GARMIN GMU44B	
Analyzer..... GARMIN GE471B	DISPOSABLE LOAD LIST
Traffic..... GARMIN GTS800	Torch..... 1
TAWS-B..... GARMIN G1000	V.S.Beacon/E.L.T..... Artex 1000
Standby..... GARMIN G5	Tow Bar..... 1
Magnetomtr..... GARMIN GMU11	

* ITEMS MARKED ARE PART OF ELECTRONIC DISPLAYS

LOAD DATA SHEET - PAGE 3 OF 3 - LOADING SYSTEM

Aeroplane Type:..... PIPER PA28-181

Registration Marking:..... VH-ZFP Serial No: 2881499

ISSUE..... ONE DATE..... 17-Jan-22

The following is valid only for the Empty Weight specified in Page 1 of 3 Aeroplane Weight dated.. 17-Jan-22 and is based on calculations using Occupant Weights of 60 to 90 Kg each.

A...NORMAL CATEGORY OPERATIONS:-

1. OCCUPANTS:-

Load Front to Rear (i.e. Front seats first)
Load Heaviest Passenger in front row

2. BAGGAGE COMPARTMENT LIMITATIONS:-

Number of Occupants	Maximum Baggage
One(pilot)	65.5 Kg
Two	90.7 Kg
Three	36.0 Kg
Four	0.0 Kg

3. FUEL:-

Fuel is limited only by All Up Weight

MAXIMUM TAKE-OFF WEIGHT1157 Kg

B...UTILITY CATEGORY OPERATIONS:-

No limitations except Utility Category all up weight limit

MAXIMUM TAKE-OFF WEIGHT966 Kg

NOTE: In utility category operations, the baggage compartment must be empty and the rear seat unoccupied.

NOTE: If a full Loading Check is required, refer to Instructions and Charts in the Pilots Handbook Section Six.

PIPER PA28-181 LOADING SYSTEM

Registration VH-ZFP Aircraft Type PIPER PA28-181 Serial Number 2881499

INSTRUCTIONS FOR LOAD CHART BC/PA181/1 (14 SEP 1997)

PIPER PA28-181 ARCHER

1. Use standard trim sheet procedures. Enter top of chart using current Basic EMPTY Weight and Arm obtained from the Load Data Sheet.
2. Total load weights in left hand column obtaining Zero Fuel Weight and Take-off Weight.
Draw horizontal lines on the C.G. Limits Graph at the bottom of the chart.
3. From the Basic Weight Versus Arm point at the top of the chart, draw a line VERTICALLY down until it intersects one of the oblique lines on the first load item scale.
4. Move HORIZONTALLY along the load item scale in the direction of the arrow and mark a point appropriate to the load indicated in the left hand column. [e.g. with 50 Kg/Div a 100 Kg load = 2 Div.]
5. Draw a VERTICAL line down to the next load item scale and repeat the above process. (Exercise care in plotting values of segments, noting that occupant scale segments are 50 Kg)
6. Proceed VERTICALLY down the load item scales, moving to left or right as indicated by the arrows and marking scale divisions as appropriate to each load.
7. From the last cabin load item scale draw a line VERTICALLY down to intersect the Zero Fuel line previously drawn on the limits graph.
8. Continue down to the fuel scales and mark off the appropriate load, noting that FUEL has 50 Kg/Div scales, then draw a line VERTICALLY down from the last fuel point to intersect the Take off Weight line previously drawn on the limits graph.
9. The two intersection points above must not exceed the boundaries of the limits graph (heavily lined). If either point does, then the load must be rearranged and loading rechecked with steps 2 to 8.

*****DO NOT EXCEED MAXIMUM WEIGHTS SHOWN ON THE CHART*****

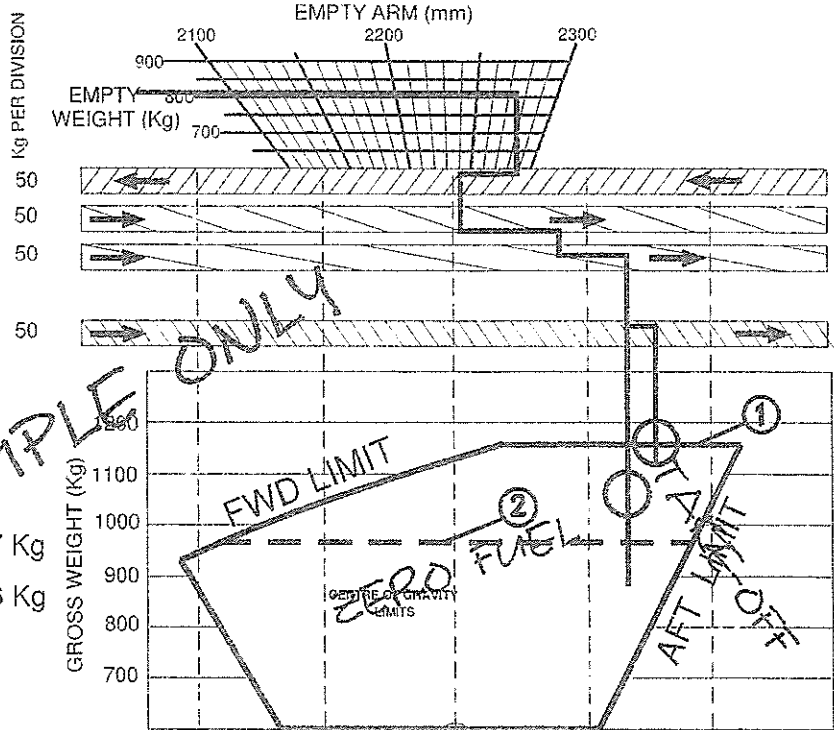
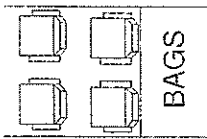
LOAD CHART BC/PA181/1 PIPER PA28-181 ARCHER

APPLICABLE TO ALL PA28-181 ARCHER II AND III AIRCRAFT S/N 28-7690001 AND ON

EMPTY WEIGHT	801
PILOT/CO-PILOT	150
REAR SEATS	75
BAGS (MAX 90.7)	30
ZERO FUEL WEIGHT	1056
FUEL (MAX 130)	101
TAKE-OFF WEIGHT	1157
FUEL BURN-OFF	75
LANDING WEIGHT	1082

MAXIMUM TAKE-OFF WEIGHT

- ① NORMAL ——— 1157 Kg
- ② UTILITY ——— 966 Kg



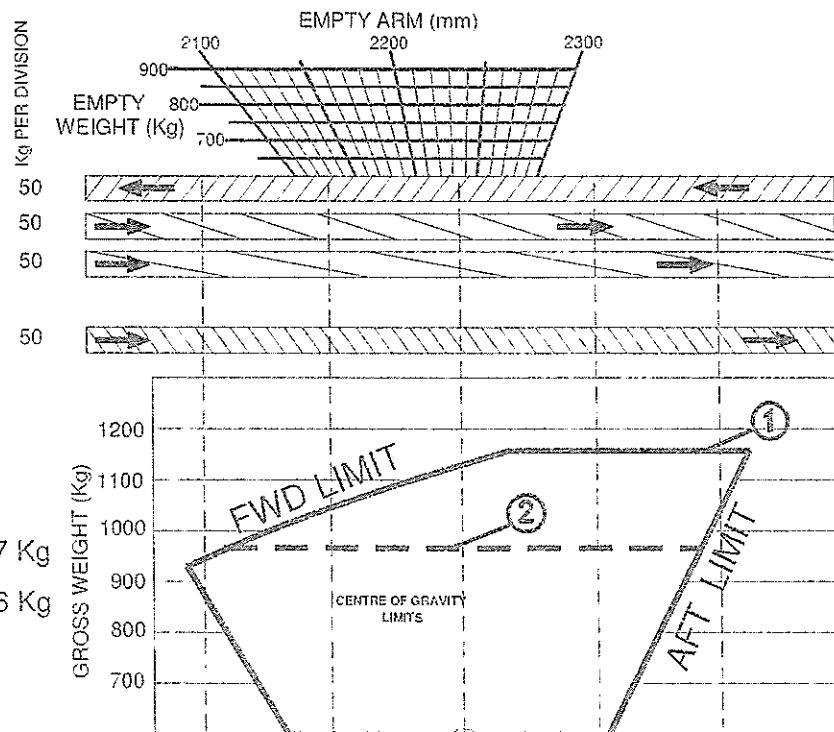
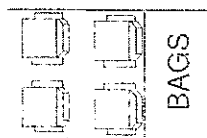
LOAD CHART BC/PA181/1 PIPER PA28-181 ARCHER

APPLICABLE TO ALL PA28-181 ARCHER II AND III AIRCRAFT S/N 28-7690001 AND ON

EMPTY WEIGHT	
PILOT/CO-PILOT	
REAR SEATS	
BAGS (MAX 90.7)	
ZERO FUEL WEIGHT	
FUEL (MAX 130)	
TAKE-OFF WEIGHT	
FUEL BURN-OFF	
LANDING WEIGHT	

MAXIMUM TAKE-OFF WEIGHT

- ① NORMAL ——— 1157 Kg
- ② UTILITY ——— 966 Kg



FLAPS UP TAKEOFF PERFORMANCE

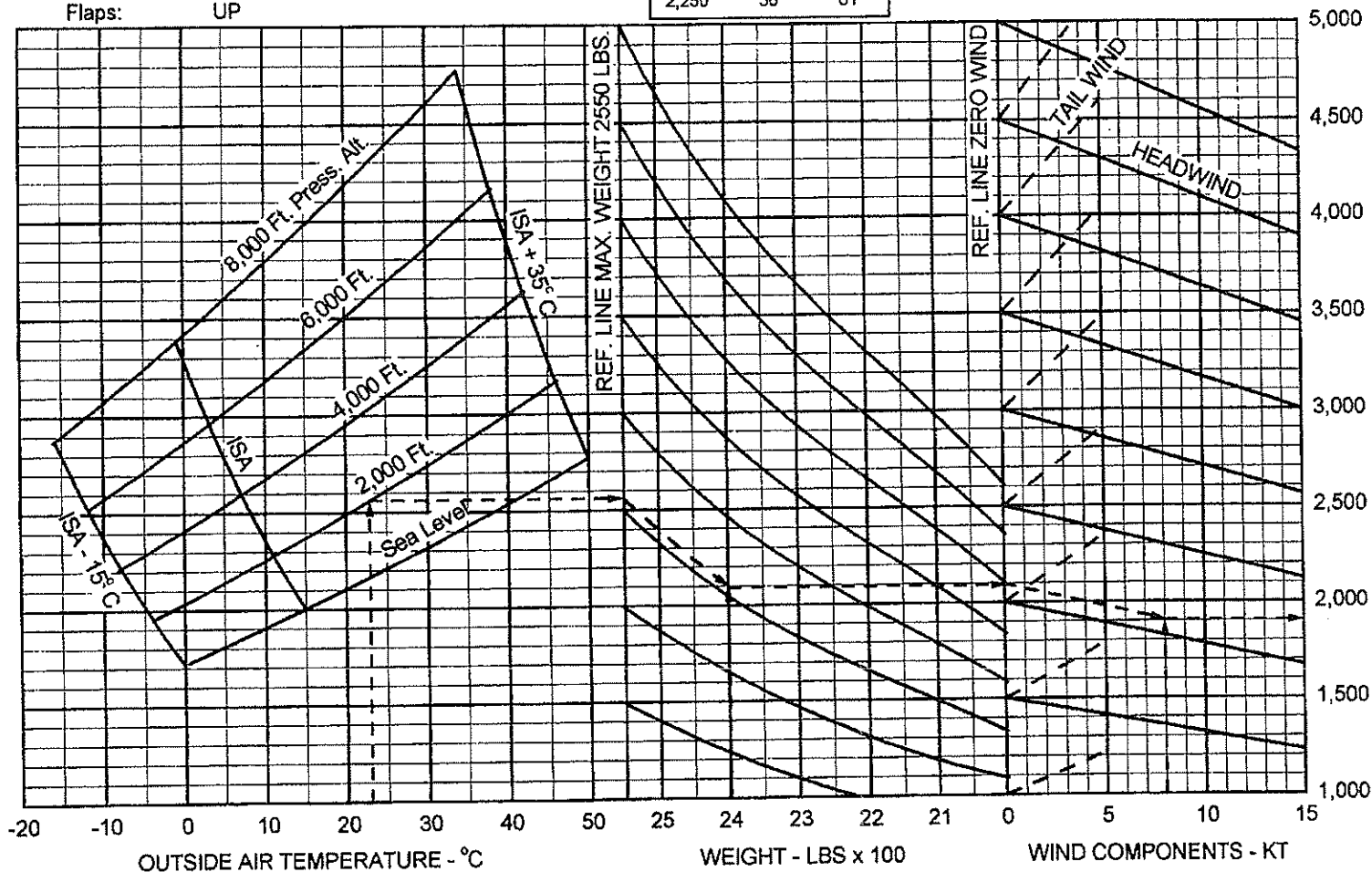
ASSOCIATED CONDITIONS:

Power: FULL THROTTLE BEFORE BRAKE RELEASE
 Air Conditioner: OFF
 Runway: PAVED, LEVEL, & DRY
 Airspeed: REFER TO TABLE AT RIGHT
 Propeller: SENSENICH 76EM8S14-0-62
 Flaps: UP

WT	TAKEOFF SPEEDS	
	LIFTOFF	50 FT
2,550	60	65
2,450	58	64
2,350	57	63
2,250	56	61

EXAMPLE:

Depart Airport Pressure Alt: 2,000 Ft.
 Temperature: 23° C
 Gross Weight: 2,400 Lb.
 Headwind: 8 Kt.
 Takeoff Distance: 1907 Ft.



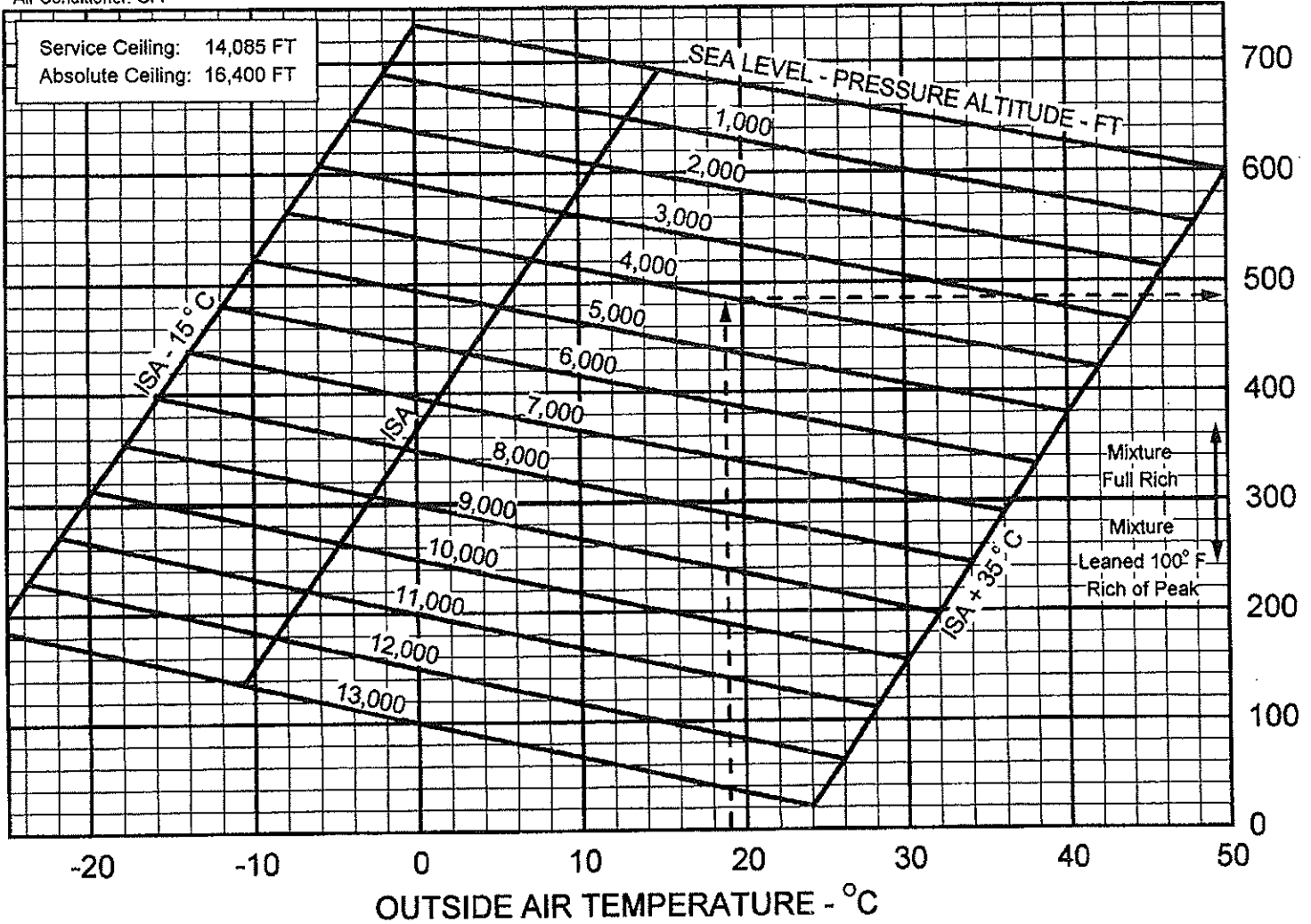
ASSOCIATED CONDITIONS:

Gross Weight: 2550 LBS.
Power: FULL THROTTLE
Airspeed: 76 KIAS
Flaps: UP
Air Conditioner: OFF

CLIMB PERFORMANCE

EXAMPLE:

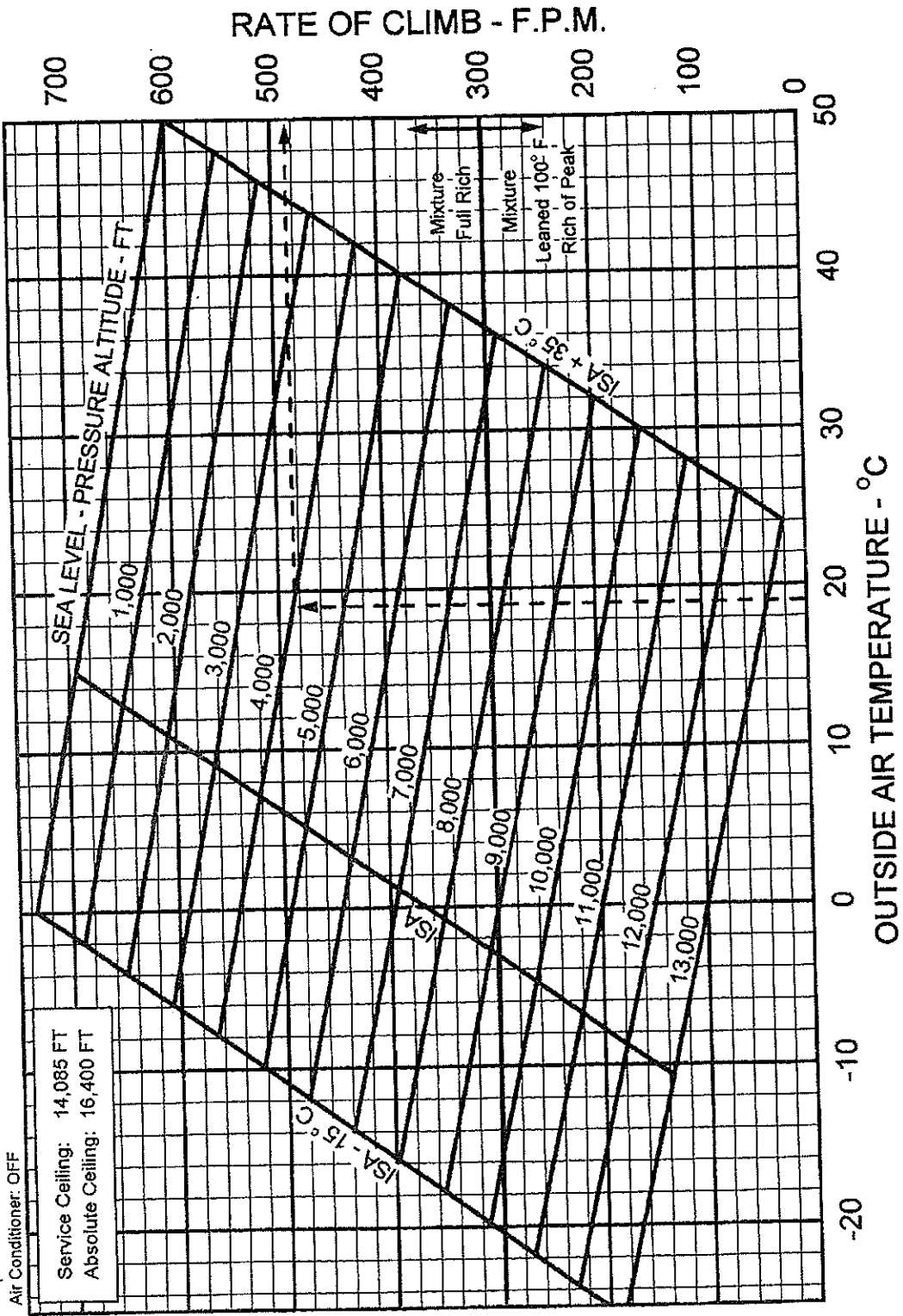
Climb Pressure Alt. 4000 Ft.
Temperature: 19° C
Rate of Climb: 487 Ft/Min.



CLIMB PERFORMANCE

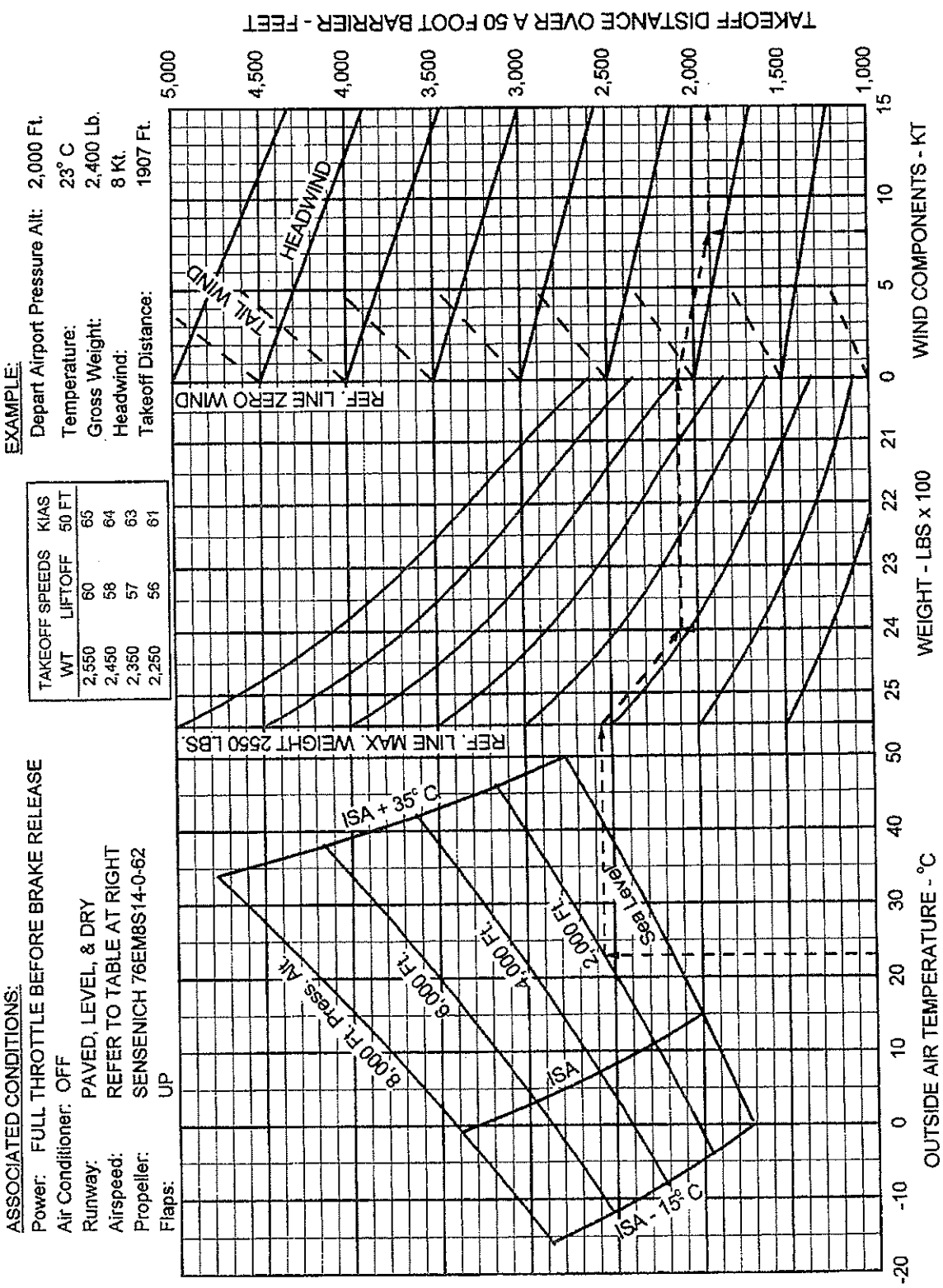
EXAMPLE:
Climb Pressure Alt. 4000 Ft.
Temperature: 19° C
Rate of Climb: 487 Ft/Min.

ASSOCIATED CONDITIONS:
Gross Weight: 2550 LBS.
Power: FULL THROTTLE
Airspeed: 76 KIAS
Flaps: UP
Air Conditioner: OFF



CLIMB PERFORMANCE
Figure 5-15

FLAPS UP TAKEOFF PERFORMANCE



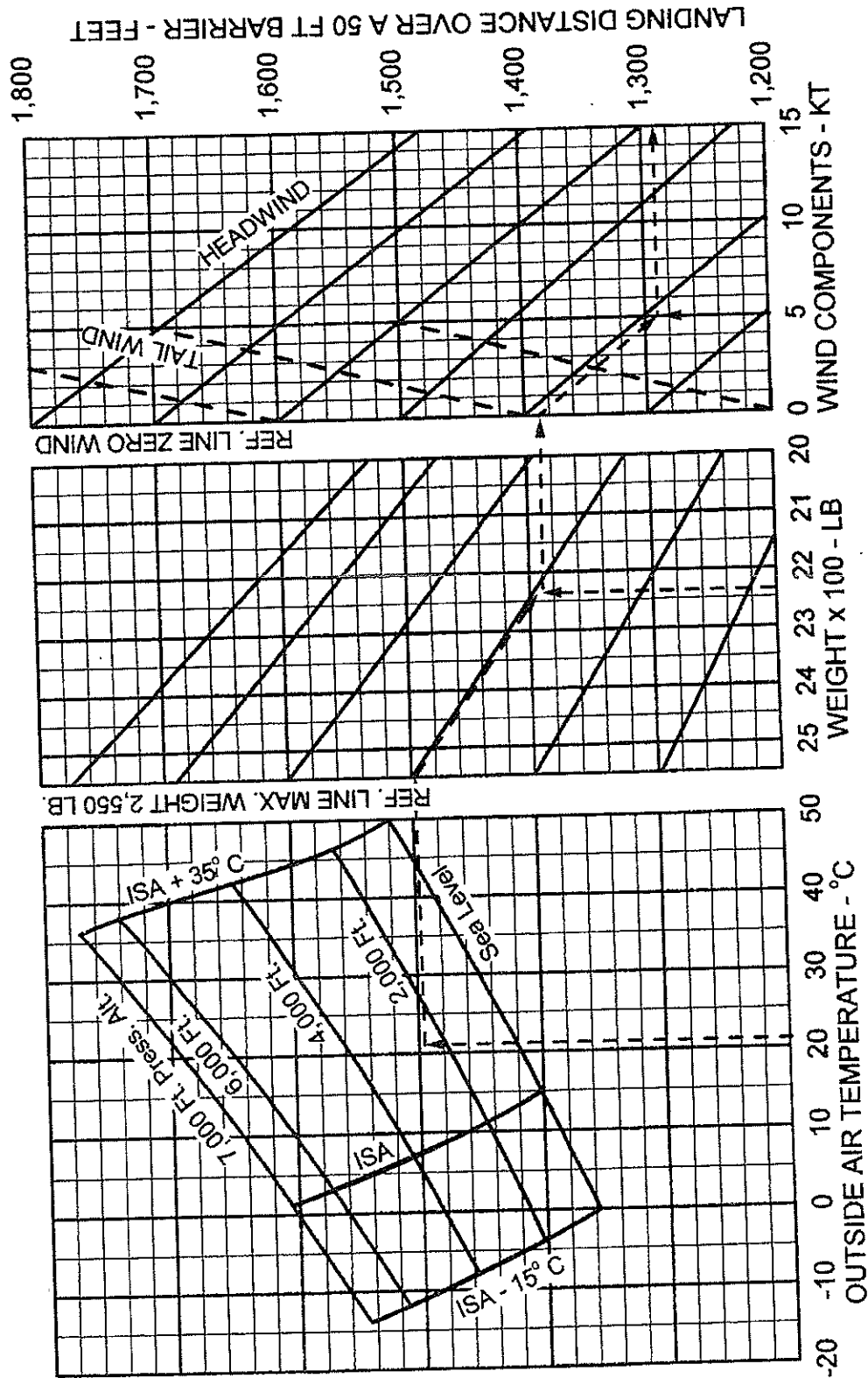
FLAPS UP TAKEOFF PERFORMANCE

Figure 5-7

LANDING PERFORMANCE
ASSOCIATED CONDITIONS

Power Off Approach, 40° Flaps, 66 KIAS, Full Stall
Touchdown, Maximum Braking, Paved, Level, Dry Runway

EXAMPLE:
Airport Pressure Altitude: 2,500 FT.
O.A.T.: 21°C
Gross Weight: 2,240 LB.
Headwind: 5 KT.
Landing Distance: 1,290 FT.



LANDING PERFORMANCE
Figure 5-41