

17/10/2025

LOAD DATA SHEET - PAGE 1 OF 3 - AEROPLANE WEIGHT

Aeroplane Type:..... PIPER PA28-151 (160)

Registration Marking:..... **VH-SVK** Serial No: 28-7515091

ISSUE:.... THREE

DATE:..... 11.08.06

EXPIRY:..... INDEFINITE

AEROPLANE WEIGHT AND CENTRE OF GRAVITY DATA:

ITEM	WEIGHT (Kg)	ARM (mm aft of datum)	MOMENT (Kg.mm)	CABIN CONFIGURATION
EMPTY	682.9	2192	1496985	FOUR SEATS TOTAL
STANDARD CABIN CONFIGURATION AIRCRAFT HAS LYCOMING O-320-D3G ENGINE				
THE FOLLOWING IMPERIAL UNITS ARE FOR USE WITH THE PILOTS HANDBOOK SECTION SIX				
	(lb)	(in)	(in.lb)	
EMPTY	1505.5	86.3	129933	FOUR SEATS TOTAL

NOTE: The above empty weights include:-

EMPTY - unusable fuel and FULL oil

AeroWeigh Pty. Ltd.
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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/PROPS

Lycoming O-320-D3G..... 1

Sensenich 74DM6..... 1

COMPASSES

Magnetic..... 1

THERMOMETERS

Engine Temp(Cyl.Head.).. 0

Oil Temp..... 1

Outside Air Temp..... 1

INDICATORS

Airspeed..... 1

Directional Gyro..... 1

Exhaust Gas Temp..... 1

Flight Hour..... 1

Gyro Horizon..... 1

Stall Warning..... 1

Tacho Recording..... 1

Trim Indicator..... 2

Turn Co-ordinator..... 1

Vertical Speed..... 1

Assigned Altitude..... 1

RADIO EQUIPMENT (TYPE)

ADF..... KING KR87

A/P-F/D..... 0

Speakers..... 1

G/slope..... PART NAVS

Headsets..... 1

GPS/Com.... GARMIN GNS530

Cooling Fan..... 1

Nav/Com..... KING KX155

Audio/Mkr.... GARMIN GMA340

Txponder.... GARMIN GTX327

Encoder..... AMERIKING AK350

Int DME..... KING KN64

DISPOSABLE LOAD LIST

Torch..... 1

V.S.Beacon/E.L.T..... ACK EO-1

INSTRUMENTS

Altimeters..... 1

Ammeters..... 1

Clocks..... 1

GAUGES

Engine Oil Pressure..... 1

Fuel Contents..... 2

Fuel Pressure..... 1

Suction Pressure..... 1

LIGHTS

Anti-collision..... 1

White Strokes(tips)..... 0

Inst. Full Panel..... 1

Inst. Flood/Spot..... 1

Landing..... 1

Map Reading..... 1

Cabin Dome..... 1

Navigation..... 3

RESTRAINT EQUIPMENT

Rear Bagg Straps..... 2

Inertia Reels..... 2

Lap-sash Harnesses..... 2

Lap Belts..... 2

ELECTRICAL EQUIPMENT

Batteries..... 1

Starters 1

Alternator..... 1

MISCELLANEOUS EQUIPMENT

Dual Controls..... 1

Fire Ext.(Portable)..... 0

Cabin Heater (Muff)..... 1

Vacuum Pumps..... 1

Precise Flight Stby Vac.... 1

Heated Pitots..... 1

Alternate Static..... 1

Vent Fan..... 1

Wheel Fairings..... 3

AeroWeigh Pty. Ltd.

PRICE ENCLISSOLD

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PIPER PA28-151 (160) KX: 9755 7126

PIPER PA28-151 (160) KX: 9755 7126

LOAD DATA SHEET - PAGE 3 OF 3 - LOADING SYSTEM

Aeroplane Type:..... PIPER PA28-151 (160)

Registration Marking:..... **VH-SVK** Serial No: 28-7515091

ISSUE:.... THREE

DATE:..... 11.08.06

The following is valid only for the Empty Weight specified in page 1 of 3 -
Aeroplane Weight dated.. 11.08.06 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:-

Number of Occupants	Rear Baggage Maximum
One(pilot)	90.7 Kg
Two	90.7 Kg
Three	73.0 Kg
Four	29.5 Kg

3. FUEL:-

Fuel is limited only by All Up Weight

MAXIMUM TAKE-OFF WEIGHT.....1055 Kg

B...UTILITY CATEGORY OPERATIONS:-

1. With PILOT Only Maximum Fuel is 70 Litres
2. With TWO Occupants Maximum Fuel is 30 Litres.

MAXIMUM TAKE-OFF WEIGHT.....885 Kg

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

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C. G. RANGE AND WEIGHT INSTRUCTIONS

1. Add the weight of all items to be loaded to the licensed empty weight.
2. Use the loading graph to determine the moment of all items to be carried in the airplane.
3. Add the moment of all items to be loaded to the licensed empty weight moment.
4. Divide the total moment by the total weight to determine the C.G. location.
5. By using the figures of Item 1 and Item 4, locate a point on the C.G. range and weight graph. If the point falls within the C.G. envelope, the loading meets the weight and balance requirements.

SAMPLE LOADING PROBLEM (Normal Category)

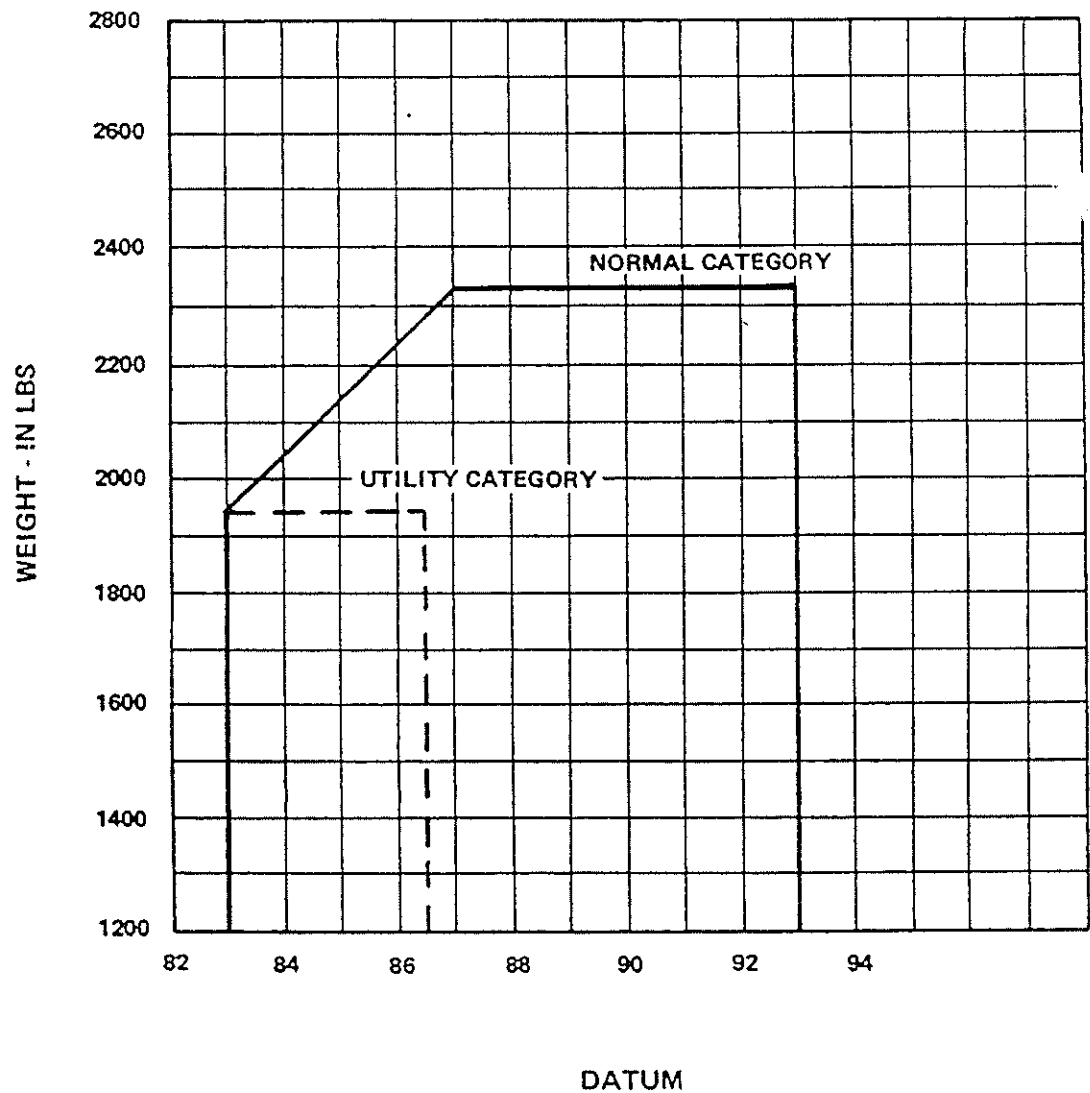
	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Licensed Empty Weight			
Oil (8 quarts)	15	27.5	413
Pilot and Front Passenger	340	80.5	27370
Passengers. Aft* (Rear Seat)	340	118.1	40154
Fuel (48 Gal. Maximum)		95.0	
Baggage*		142.8	
Total Loaded Airplane			

The center of gravity (C.G.) of this sample loading problem is at _____ inches aft of the datum line. Locate this point () on the C.G. range and weight graph. Since this point falls within the weight-C.G. envelope, this loading meets the weight and balance requirements.

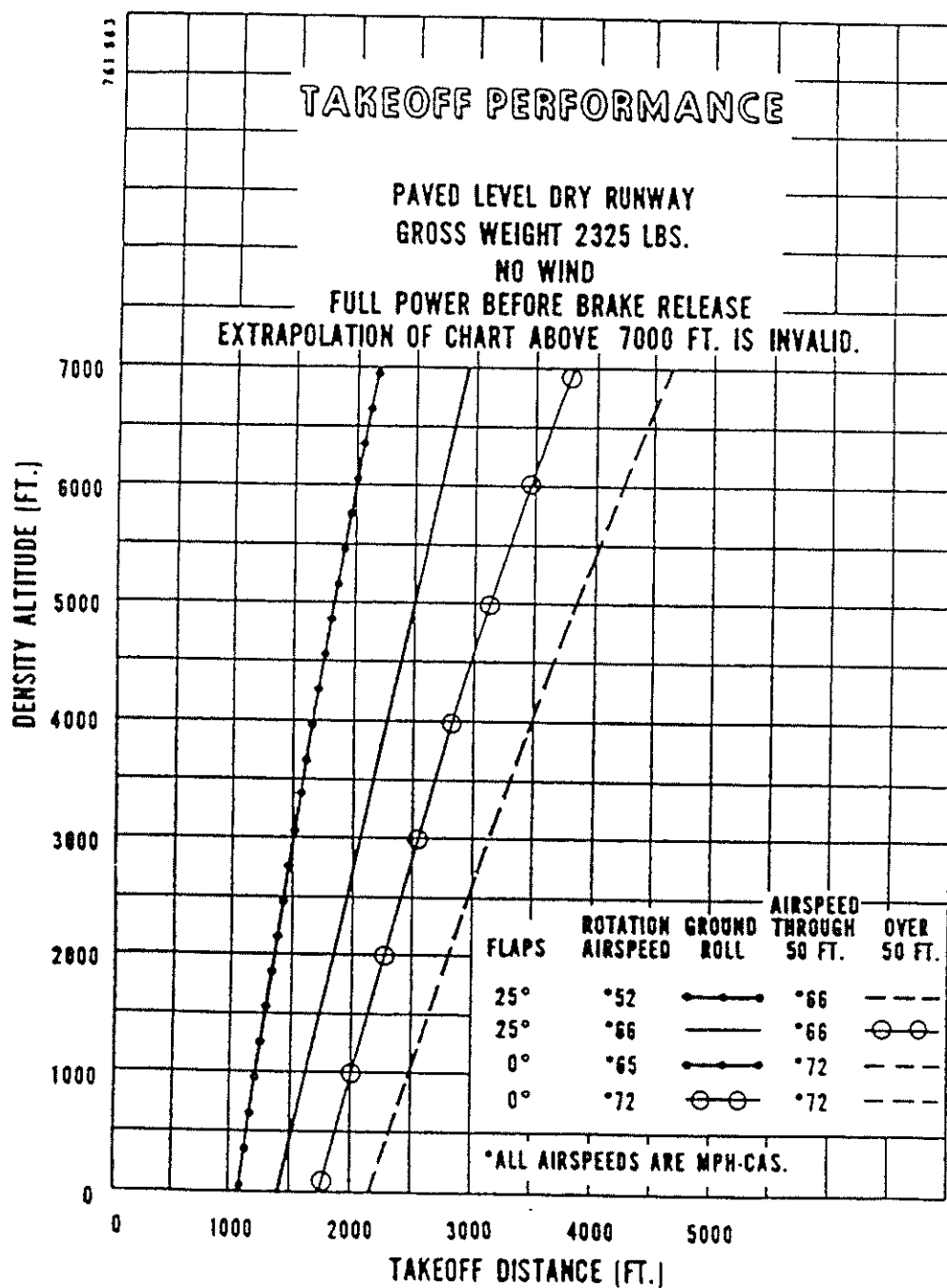
IT IS THE RESPONSIBILITY OF THE PILOT AND AIRCRAFT OWNER TO INSURE THAT THE AIRPLANE IS LOADED PROPERLY.

*Utility Category Operation - No baggage or aft passengers allowed.

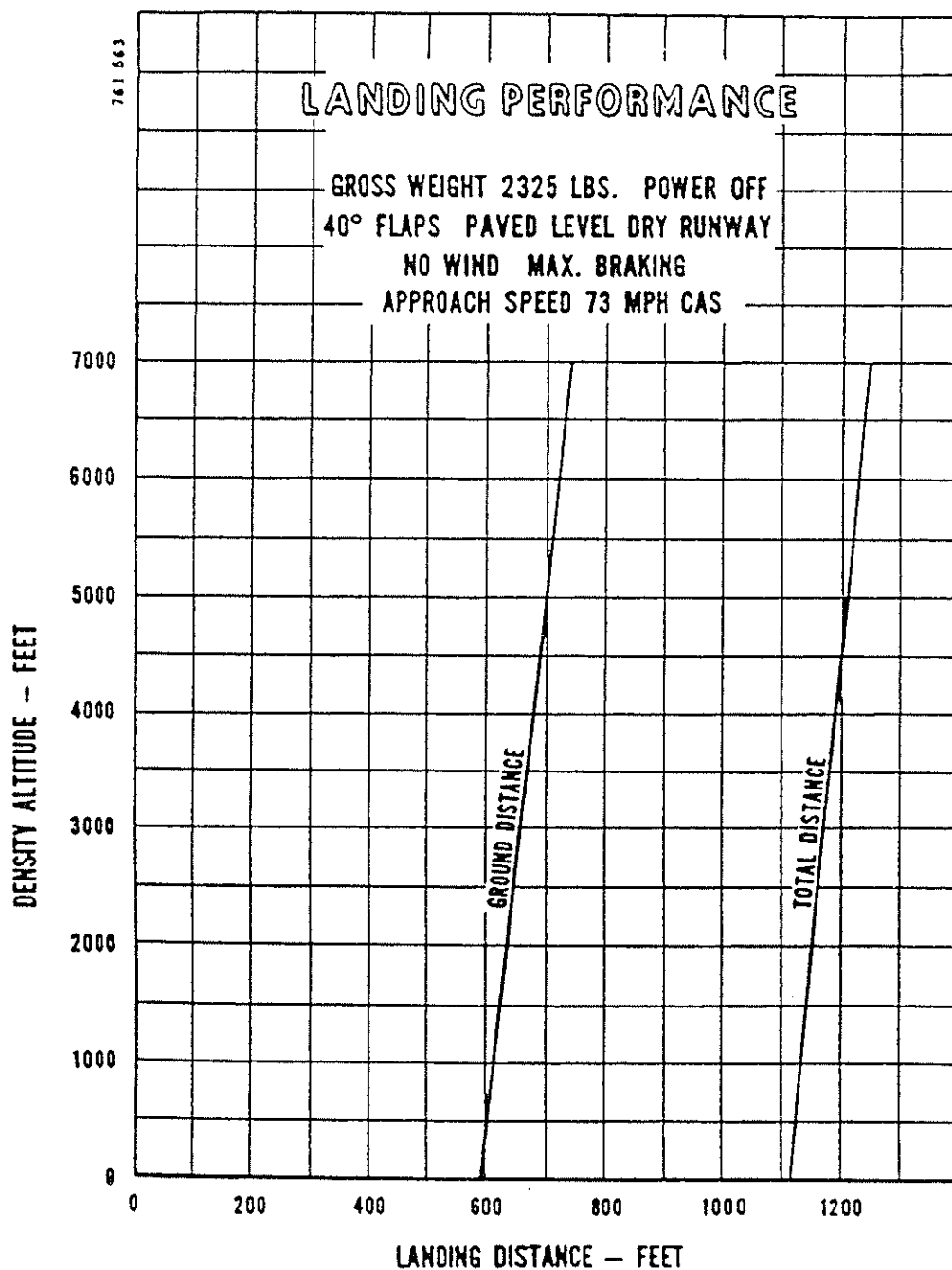
C. G. RANGE AND WEIGHT



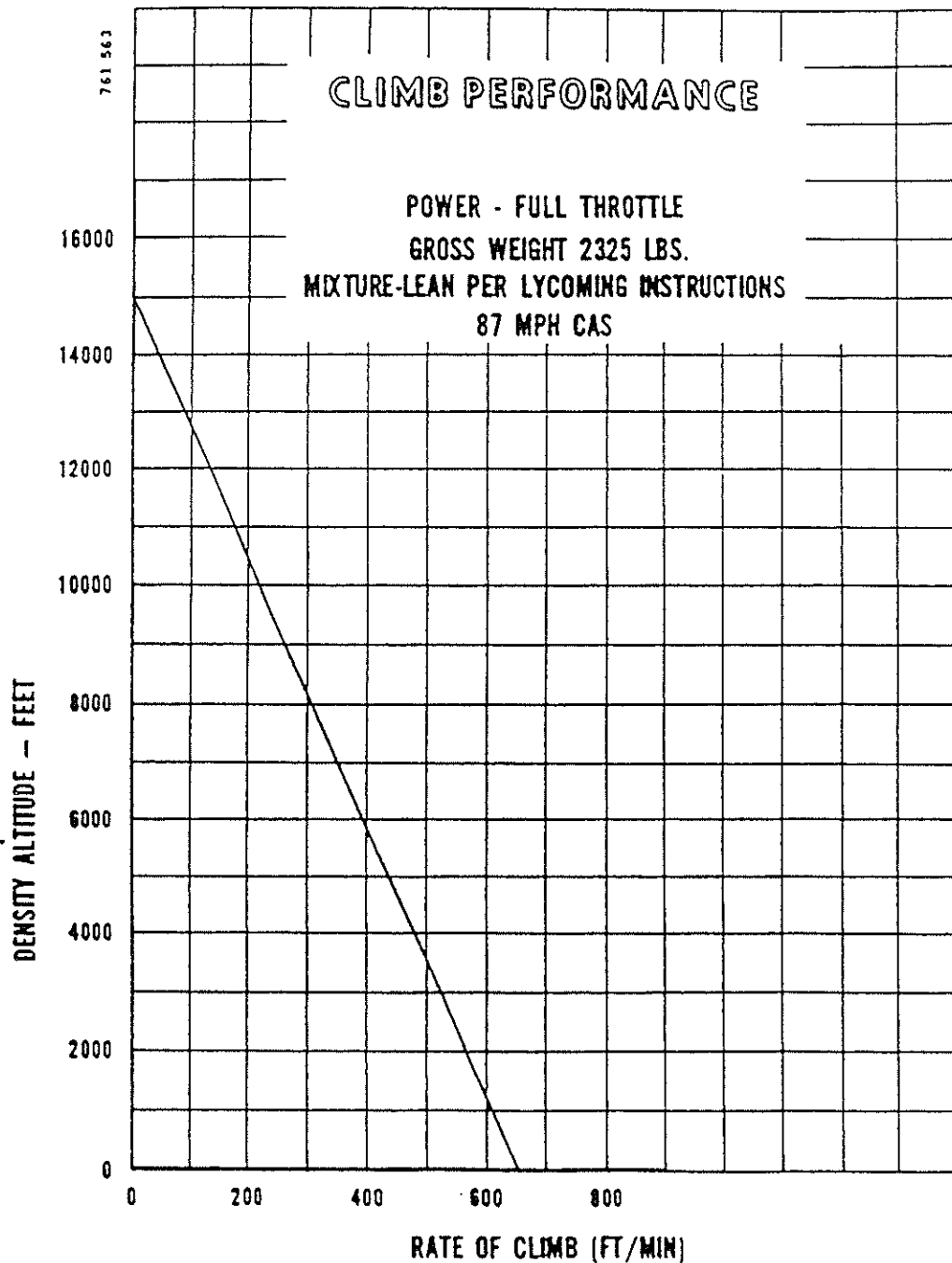
PA-28-151 CHEROKEE



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PERFORMANCE CHARTS
REVISED: JUNE 14, 1974