



SCHOFIELDS FLYING CLUB

Piper Seminole PA44-180

PERFORMANCE AND LOADING CHARTS



WEIGHT AND BALANCE

The aircraft must be operated within balance limits, at or below maximum take-off weight at all times.

With two people on board, the aircraft may need ballast in the baggage compartment in order to remain within the balance limits.

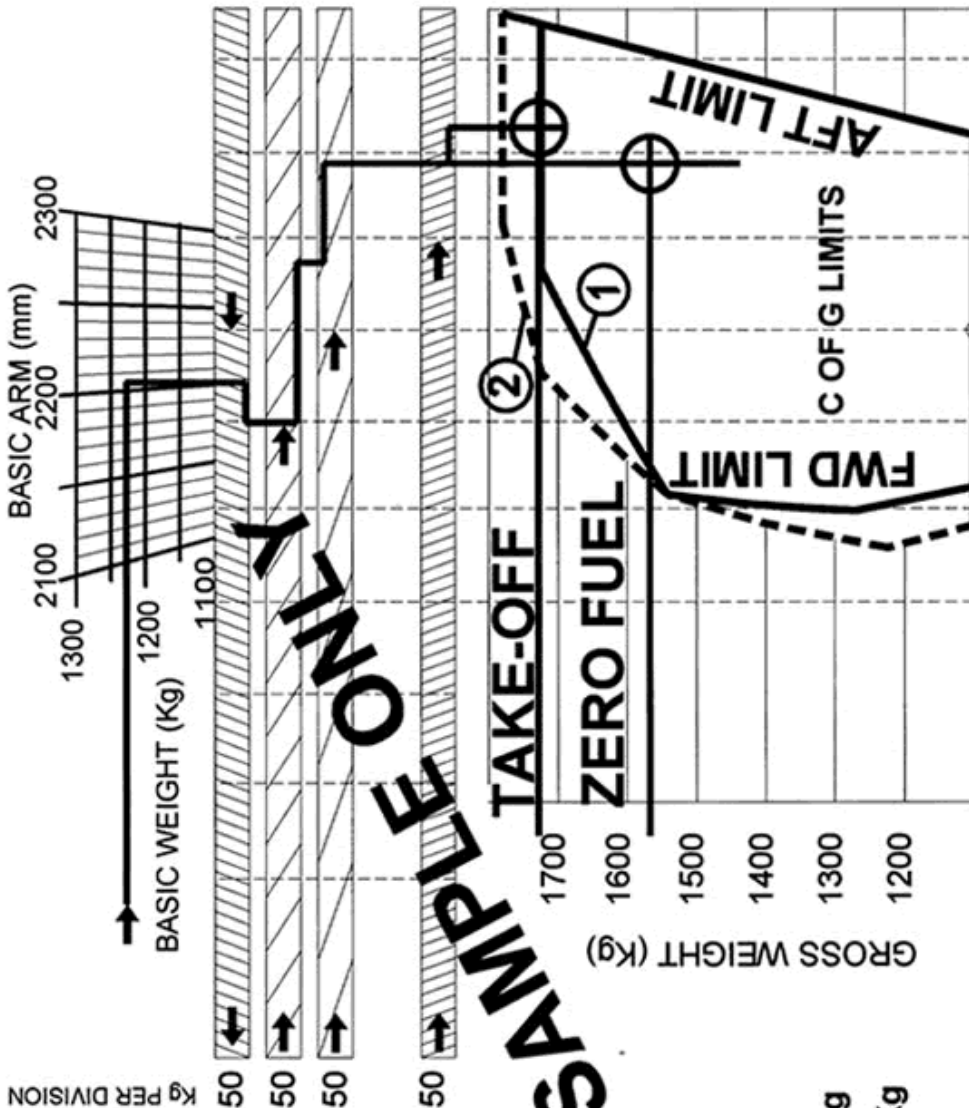
Basic Weight includes full oil and unusable fuel

	Basic Weight kg	Arm mm aft of Datum	Index Unit kg.mm
VH-PIE	1192.3	2200	2623128
VH-TEA	1152.4	2195.7	2530382

Schofields Flying Club Ltd does not accept responsibility for the accuracy or veracity of the data contained in these charts or document.

It is the hirer's responsibility to confirm data by referring to the Pilot Operating Handbook and the Flight Manual for the specific aircraft.

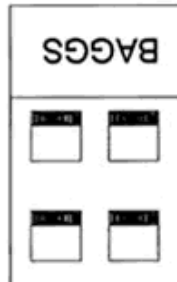
LOAD CHART BC/PA44/1 PIPER PA44-180 & 180"T"



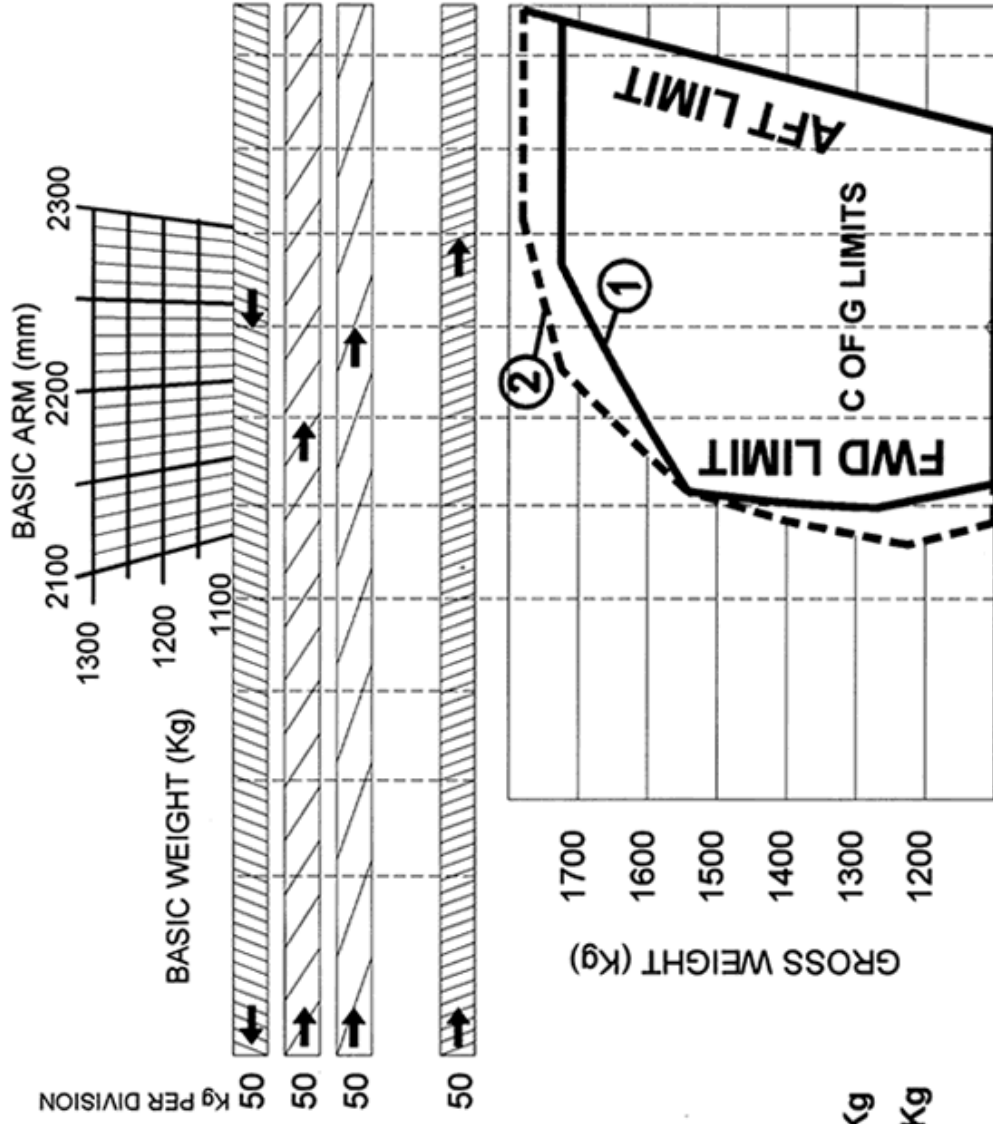
BASIC WEIGHT	1224
PILOT/CO-PILOT	150
REAR SEATS	150
BAGGS (MAX 90.7)	50
ZERO FUEL WEIGHT	1574
FUEL (MAX 290)	149
TAKE-OFF WEIGHT	1723
FUEL BURN-OFF	100
LANDING WEIGHT	1623

MAXIMUM TAKE-OFF WEIGHT

- ① PA44-180 — 1723 Kg
- ② PA44-180"T", - - - - 1780 Kg

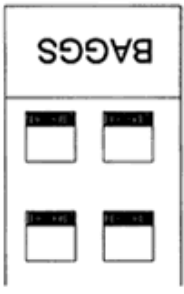


LOAD CHART BC/PA44/1 PIPER PA44-180 & 180" T"



BASIC WEIGHT	
PILOT/CO-PILOT	
REAR SEATS	
BAGGS (MAX 90.7)	
ZERO FUEL WEIGHT	
FUEL (MAX 290)	
TAKE-OFF WEIGHT	
FUEL BURN-OFF	
LANDING WEIGHT	

MAXIMUM TAKE-OFF WEIGHT
 ① PA44-180 ——— 1723 Kg
 ② PA44-180" T" - - - - 1780 Kg



VH - PIE

TAKE-OFF WEIGHT CHART

PIPER PA44-180 SEMINOLE

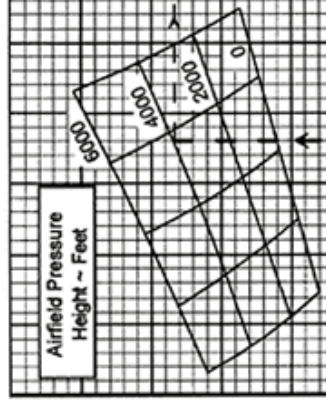
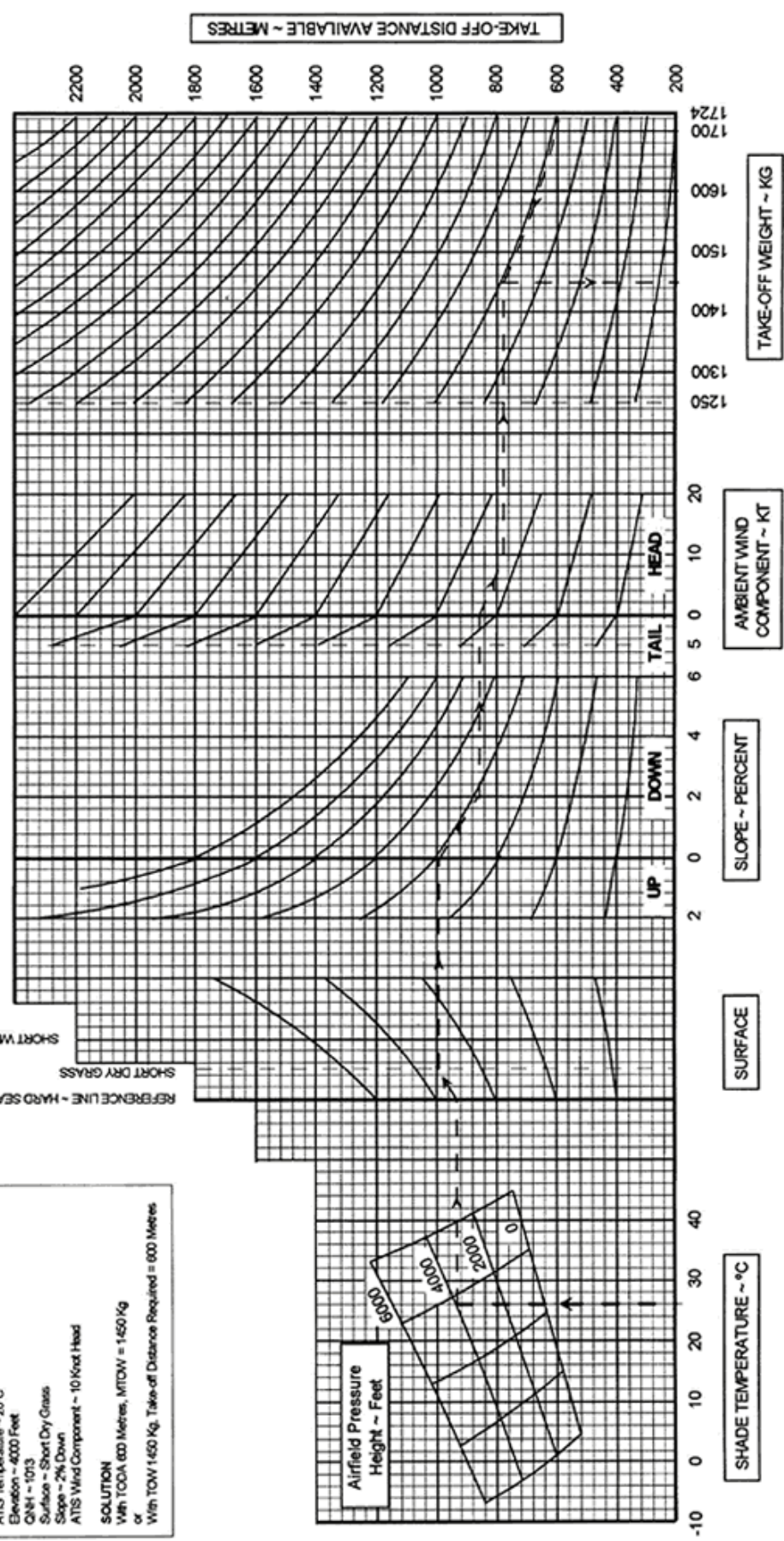
CONDITIONS
 FLAP ~ ZERO
 TAKE-OFF SAFETY SPEED ~ 73 KIAS
 POWER ~ FULL THROTTLE, 2700 RPM
 CHART DISTANCE FACTOR ~ 1.15

EXAMPLE
 ATIS Temperature ~ 29°C
 Elevation ~ 4000 Feet
 QNH ~ 1013
 Surface ~ Short Dry Grass
 Slope ~ 2% Down
 ATIS Wind Component ~ 10 Knot Head

SOLUTION
 With TOGA 600 Metres, MTOW = 1450 Kg
 or
 With TOW 1450 Kg, Take-off Distance Required = 600 Metres

LONG WET GRASS
 SHORT WET - OR - LONG DRY GRASS
 SHORT DRY GRASS
 REFERENCE LINE - HARD SEALED SURFACE

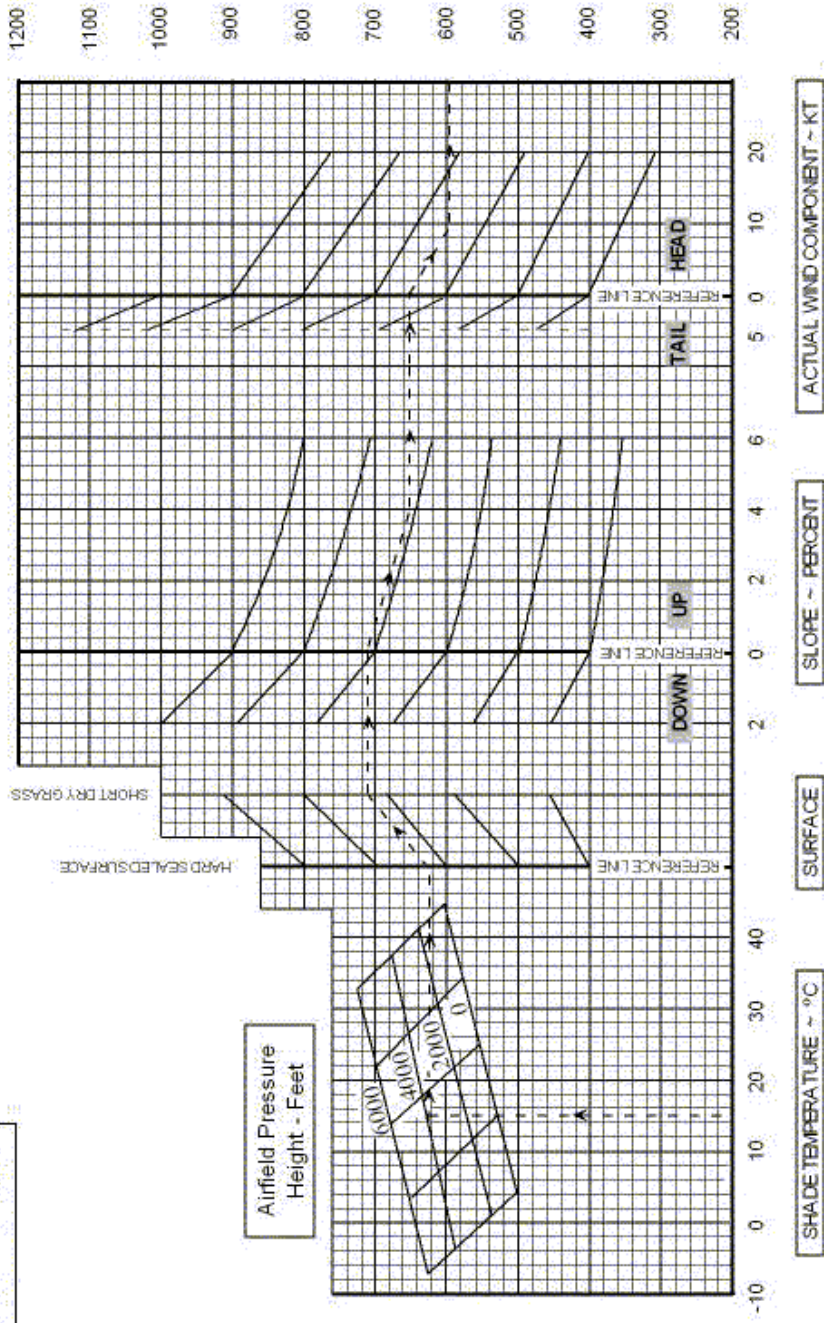
REFERENCE LINE
 REFERENCE LINE



LANDING DISTANCE CHART

PIPER PA44 - 180 SEMINOLE

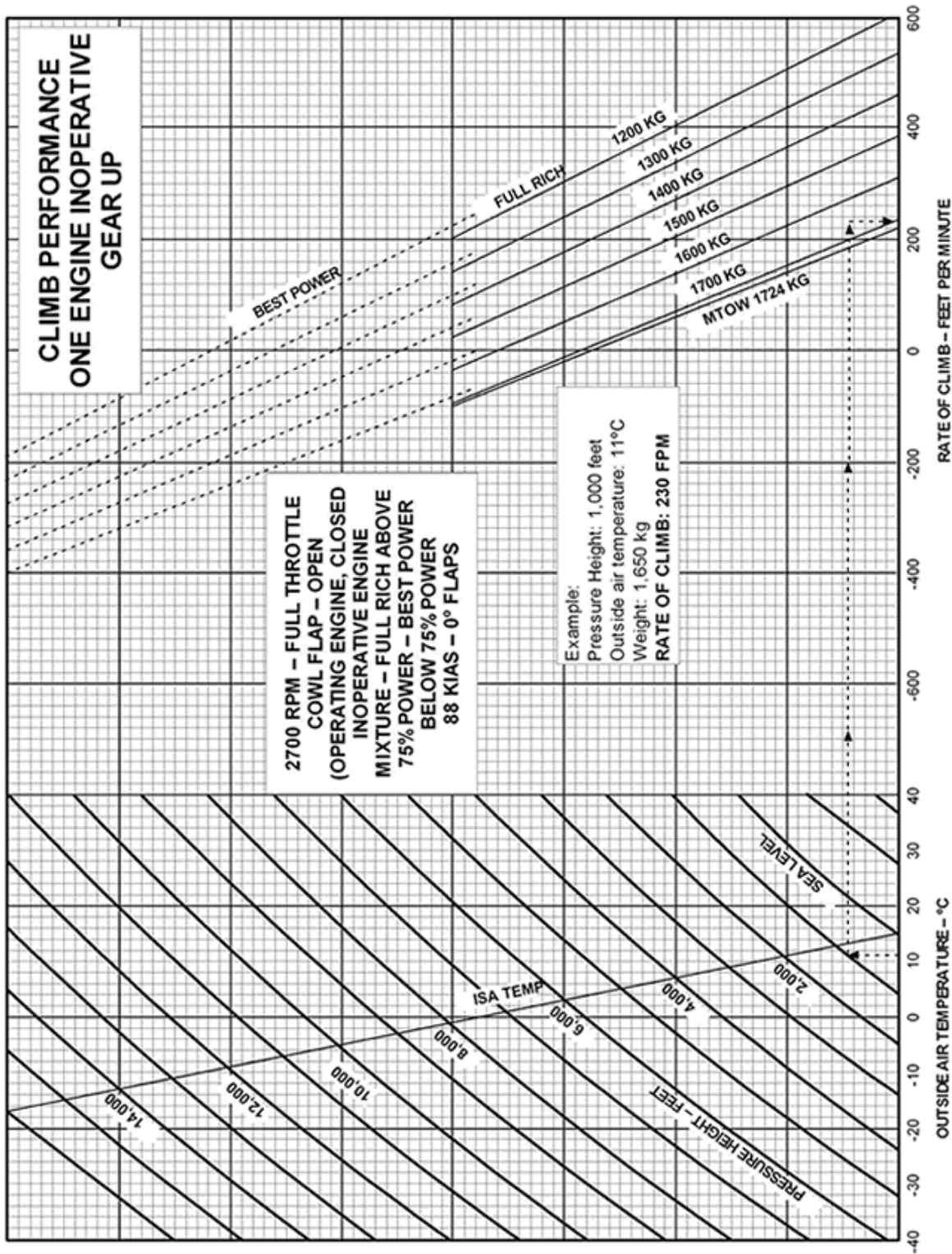
VH - PIE



CONDITIONS

- FLAP ~ 40° (FULL)
- APPROACH SPEED ~ 75 KIAS
- LANDING DISTANCE FACTOR ~ 1.15

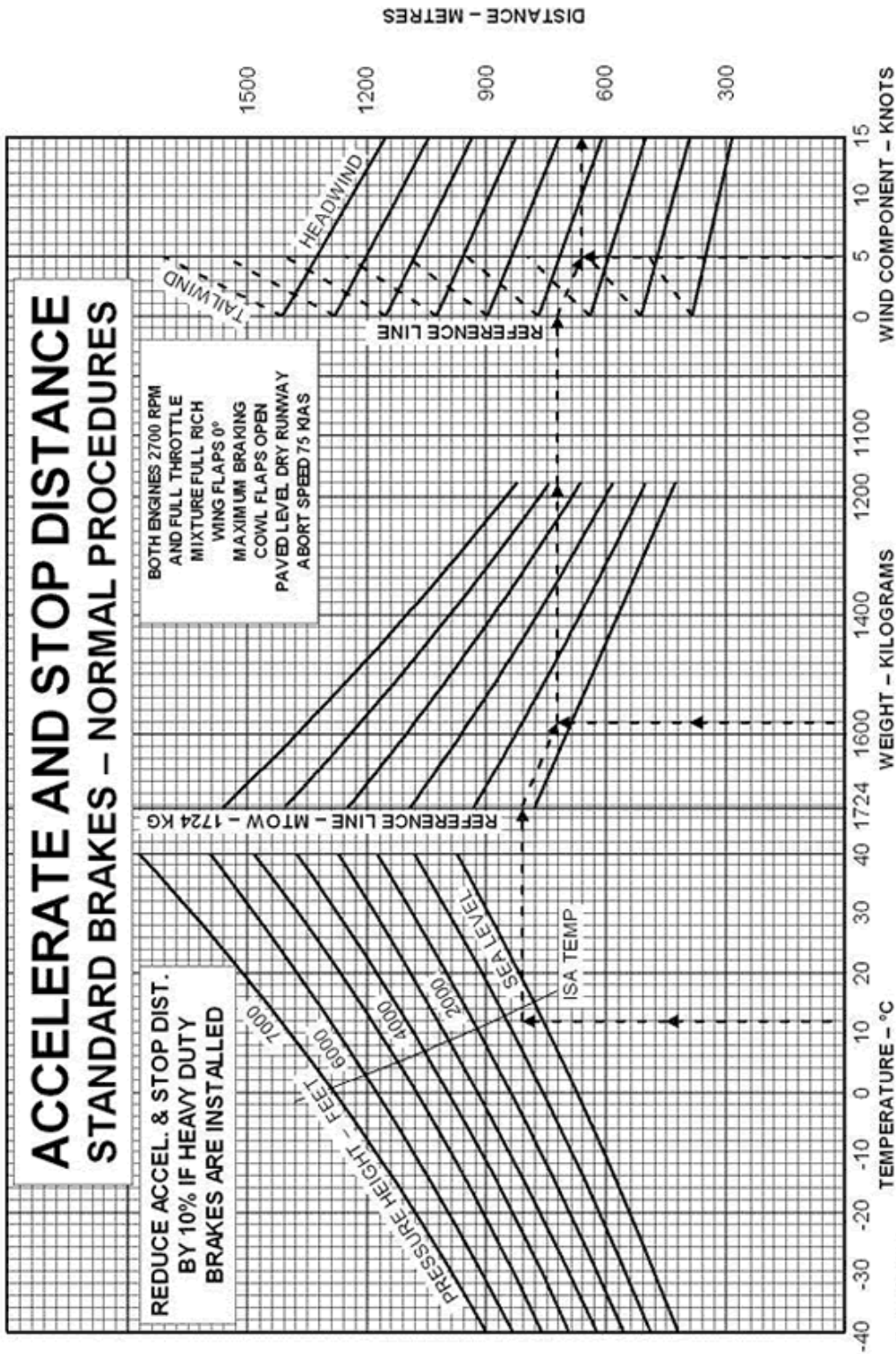
PA-44-180



Drawn: PJW/20 June, 2008.

PA-44-180

ACCELERATE AND STOP DISTANCE STANDARD BRAKES – NORMAL PROCEDURES



Example:

Airport Pressure Height: 650 ft.

Outside air temperature: 8°C

Weight: 1580 kg.

Wind Component: 5 kt headwind

ACCELERATE & STOP DISTANCE: 660 Metres