



SCHOFIELDS FLYING CLUB

Beecraft Baron BE58

## 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.

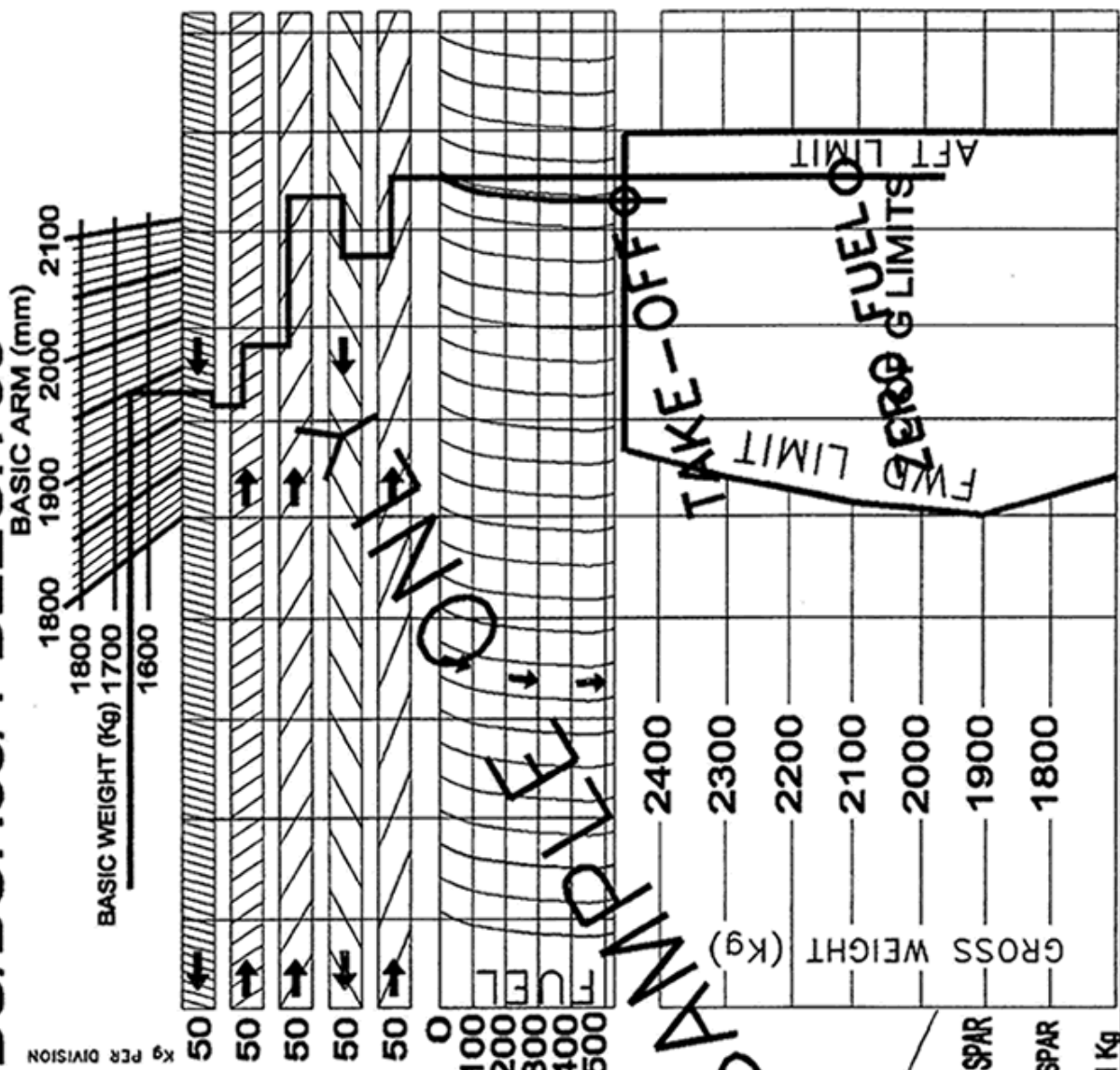
Basic Weight includes full oil and unusable fuel

	<b>Basic Weight</b> kg	<b>Arm</b> mm aft of Datum	<b>Index Unit</b> kg.mm
<b>VH-EZG</b>	1727.5	1976	3413000
<b>VH-ICB</b>	1738.0	2007	3488833

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.

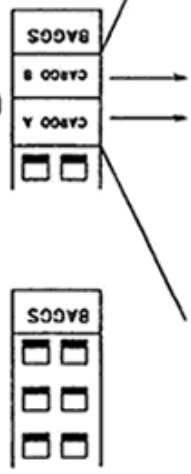
# LOAD CHART BC/BCH58/1 BEECH 58



Kg PER DIVISION

BASIC WEIGHT	1666
PILOT/CO-PILOT	75
PAX ROW 2/CARGO A	135
PAX ROW 3/CARGO B	135
NOSE BAGGAGE (MAX 138 Kg)	50
REAR BAGGAGE (MAX 64 Kg)	50
ZERO FUEL WEIGHT	2111
FUEL (SEE GRAPH)	338
TAKE-OFF WEIGHT	2449
FUEL BURN-OFF	200
LANDING WEIGHT	2249

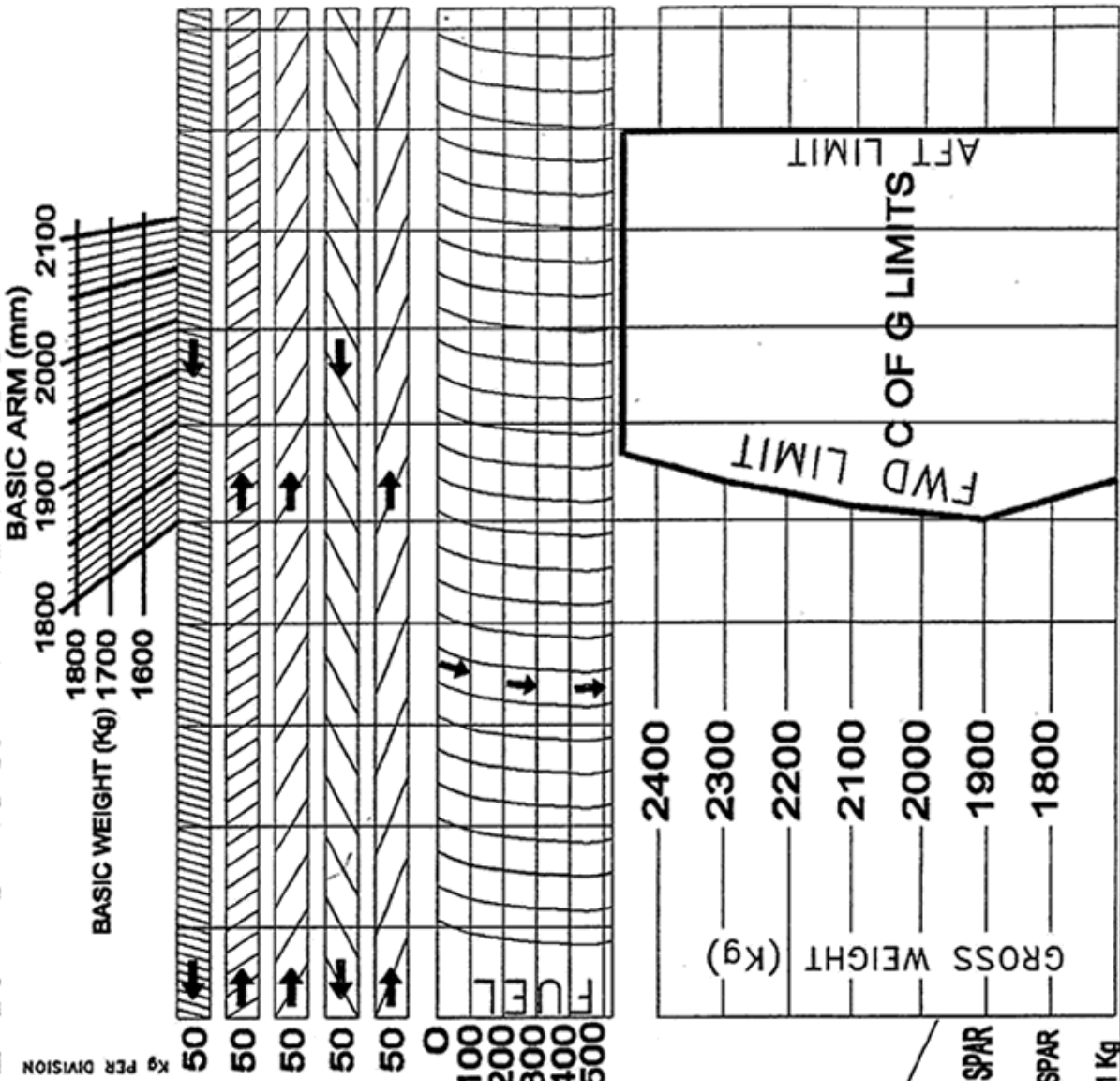
MAXIMUM TAKE-OFF WEIGHT  
**2449 Kg**



NOTE: MAXIMUM STRUCTURAL LOAD FWD OF REAR SPAR IS 90 Kg  
 MAXIMUM STRUCTURAL LOAD AFT OF REAR SPAR IS 181 Kg  
 MAXIMUM TOTAL CARGO A PLUS B = 271 Kg

# LOAD CHART BC/BC/CH58/1 BEECH 58

BC/BC/CH58/1 30th JULY 1993



Kg PER DIVISION

BASIC WEIGHT	
PILOTIC-PILOT	
PAX ROW 2/CARGO A	
PAX ROW 3/CARGO B	
NOSE BAGGAGE (MAX 136 Kg)	
REAR BAGGAGE (MAX 64 Kg)	
ZERO FUEL WEIGHT	
FUEL (SEE GRAPH)	
TAKE-OFF WEIGHT	
FUEL BURN-OFF	
LANDING WEIGHT	

MAXIMUM TAKE-OFF WEIGHT

**2449 Kg**



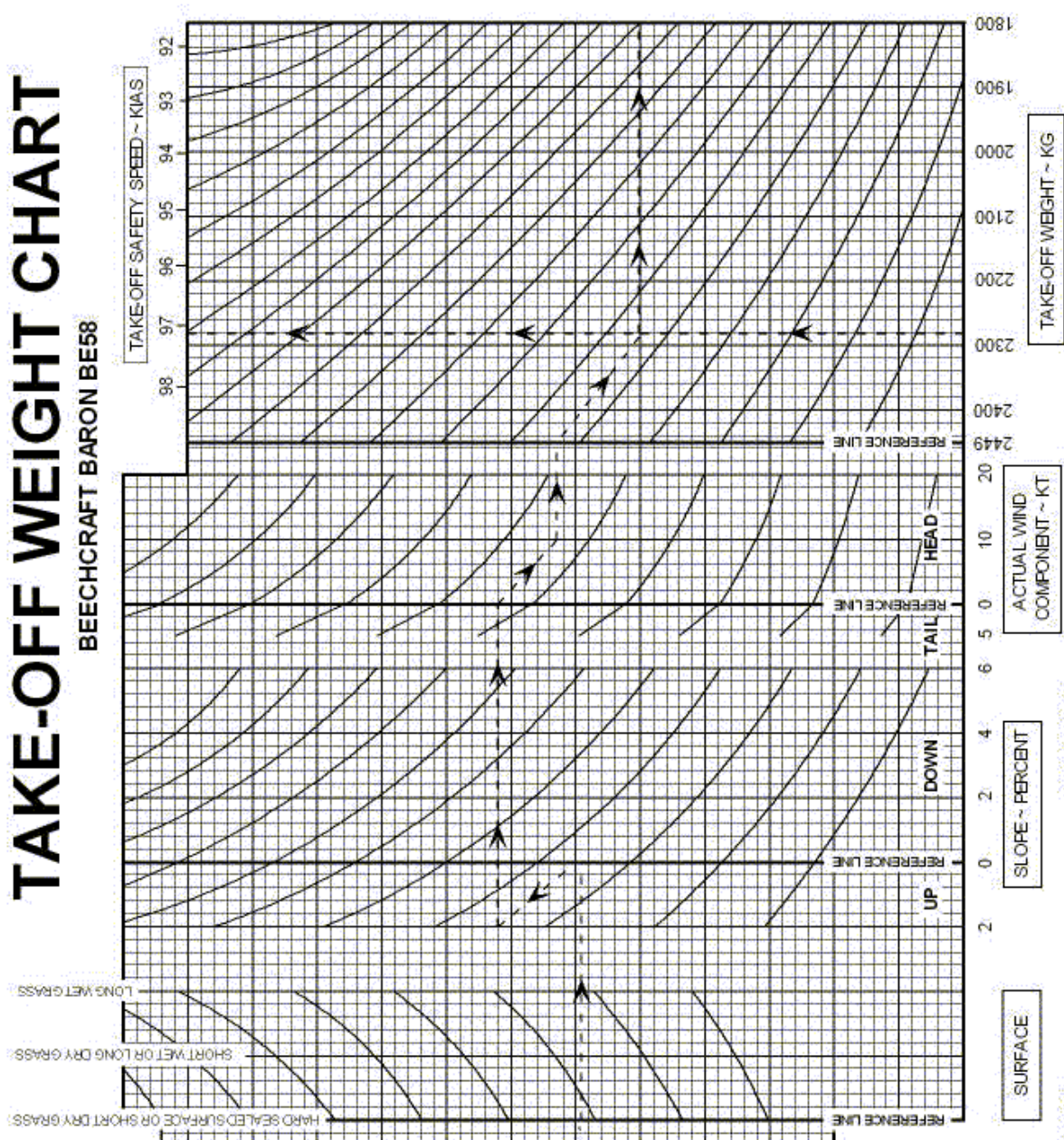
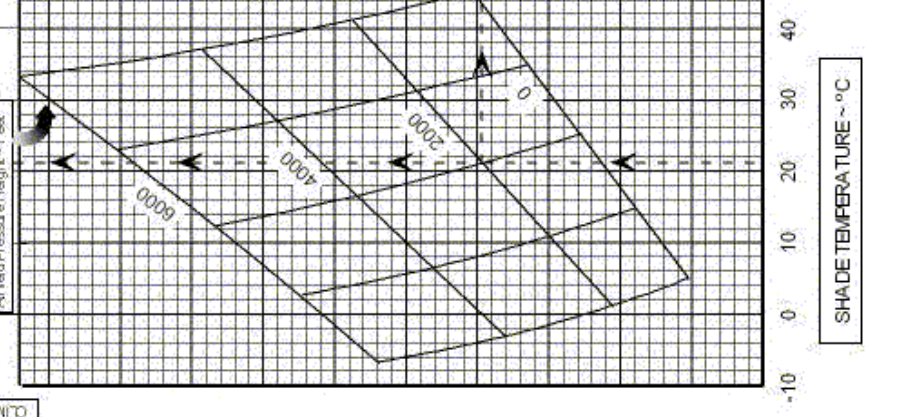
NOTE: MAXIMUM STRUCTURAL LOAD FWD OF REAR SPAR IS 90 Kg  
 MAXIMUM STRUCTURAL LOAD AFT OF REAR SPAR IS 181 Kg  
 MAXIMUM TOTAL CARGO A PLUS B = 271 Kg

# TAKE-OFF WEIGHT CHART

BEECHCRAFT BARON BE58



HARD SEALED SURFACE OR SHORT DRY GRASS  
SHORT MET OR LONG DRY GRASS  
LONG WET GRASS



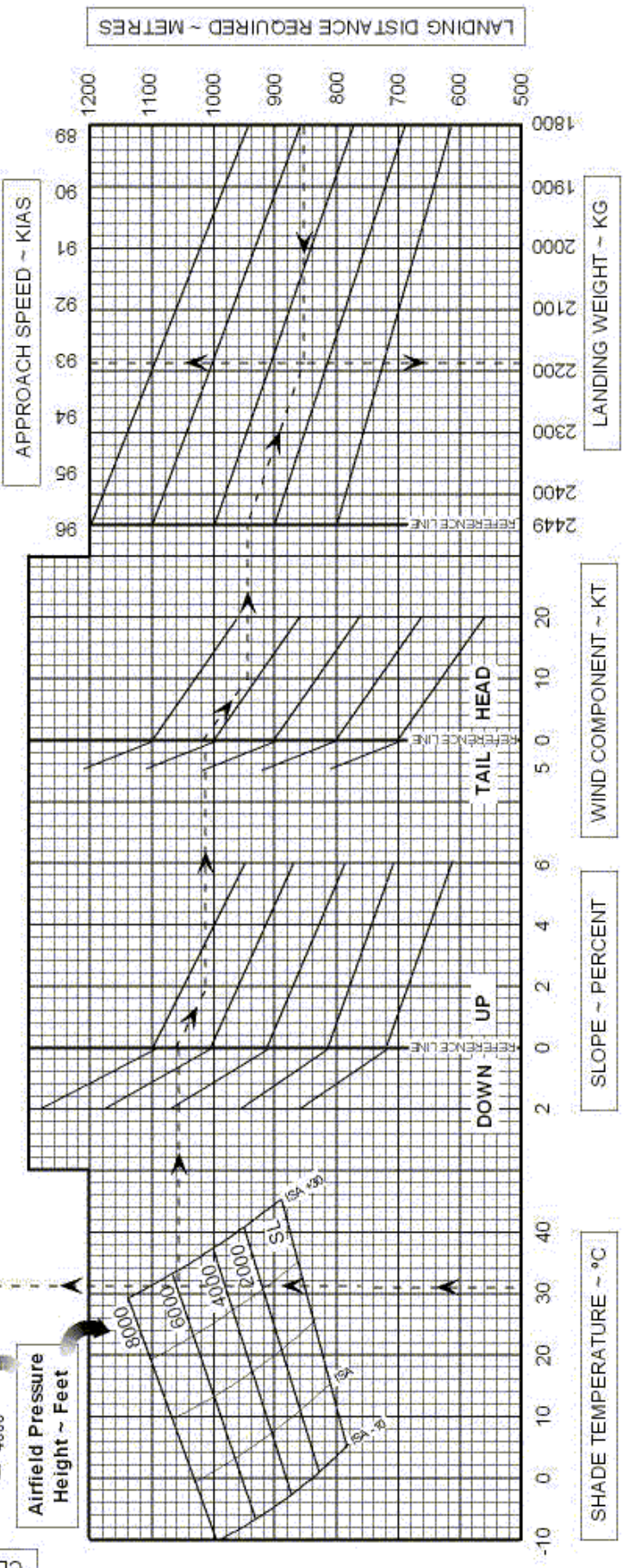
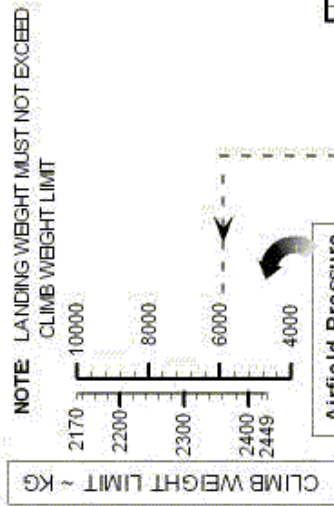
**CONDITIONS**  
POWER - FULL THROTTLE 2700 RPM  
FLAP - 0  
TAKE-OFF DISTANCE FACTOR - 1.19

**SOLUTION**  
MTOW - 2280 KG  
TOSS - 97 KIAS  
CLIMB LIMIT WEIGHT - NIL

**EXAMPLE**  
OAT - 21°C  
PRESSURE HEIGHT - 2000 FEET  
TAKE-OFF DISTANCE AVAILABLE - 900 METRES  
SURFACE - SEALED  
SLOPE - 2% UP  
WIND COMPONENT - 5 KT HEAD

# LANDING DISTANCE CHART

BEECHCRAFT BARON ~ BE58



**EXAMPLE**  
 OAT ~ 31°C  
 PRESSURE HEIGHT ~ 5900 FEET  
 LANDING DISTANCE AVAILABLE ~ 850 METRES  
 SLOPE ~ 2% UP  
 WIND COMPONENT ~ 10 KT HEAD

**SOLUTION**  
 MAX LANDING WEIGHT ~ 2185 KG  
 APPROACH SPEED ~ 93 KIAS

**CONDITIONS**  
 FLAP ~ 30° (FULL)  
 APPROACH SPEED ~ SEE CHART  
 LANDING DISTANCE FACTOR ~ 1.21