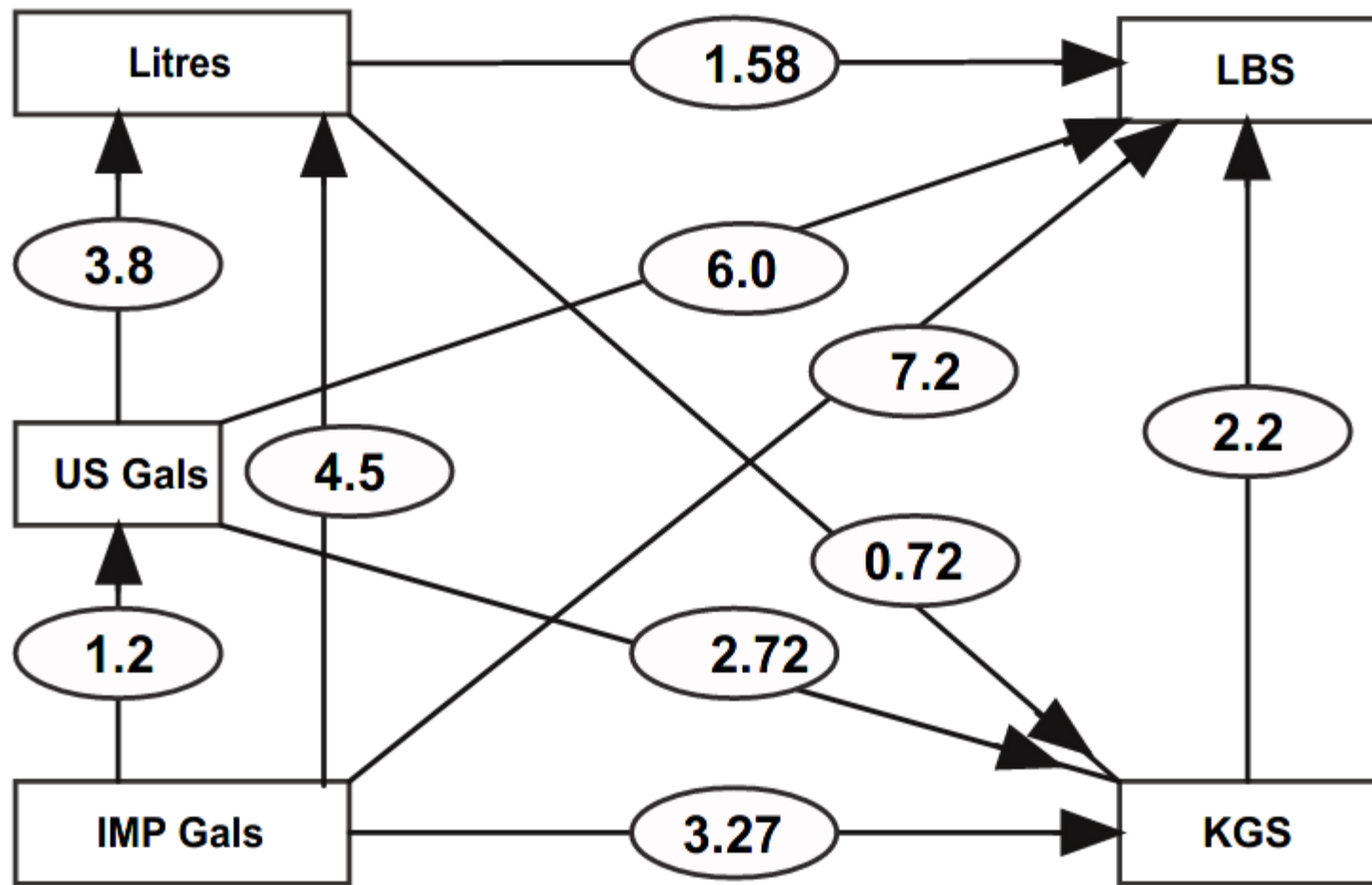
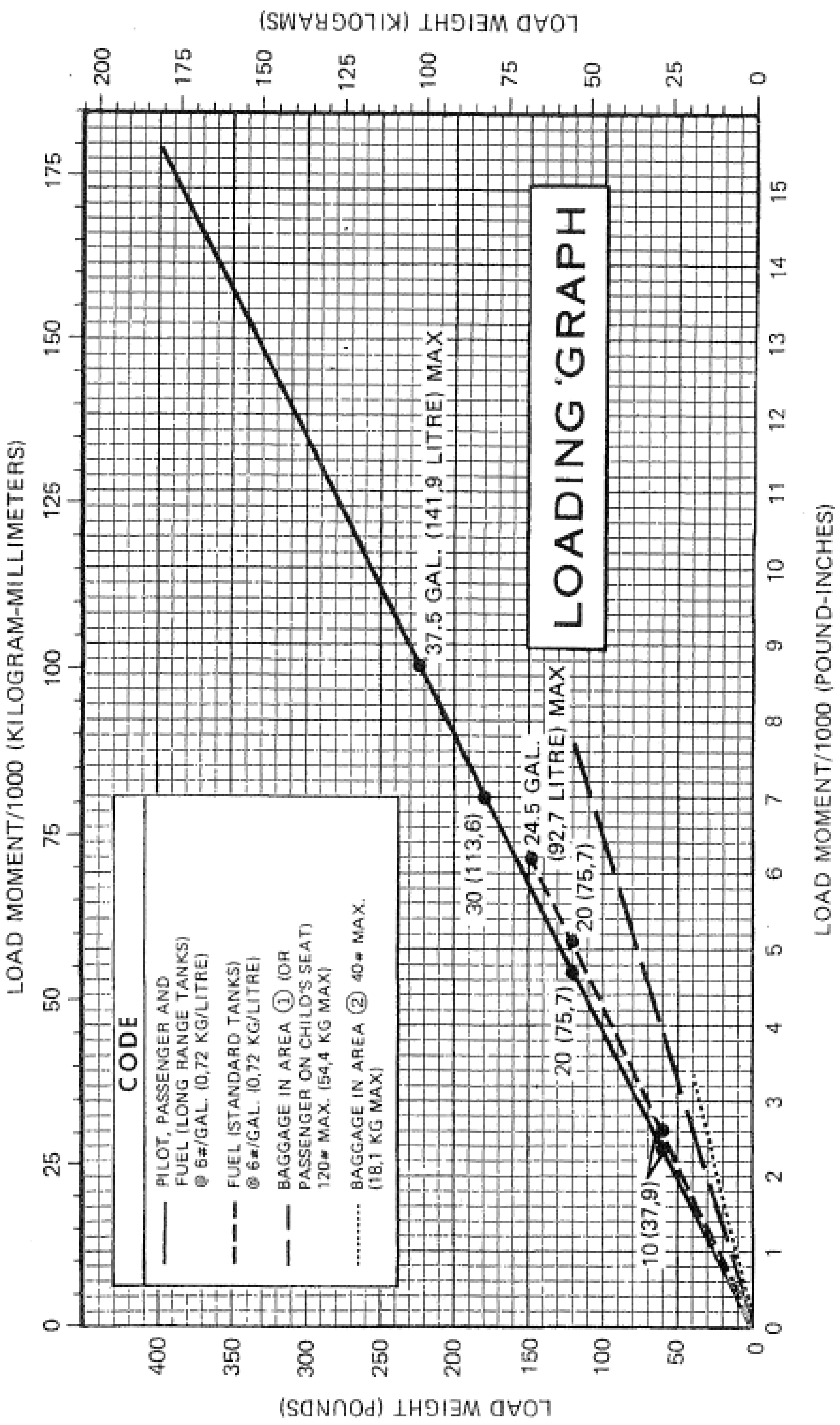


## 2. GENERAL CONVERSIONS

<b>TO CONVERT</b>	<b>INTO</b>	<b>MULTIPLY BY</b>
Celsius	Fahrenheit	1.8 and add 32
Centimetres	Inches	0.394
Feet	Metres	0.3048
Fahrenheit	Celsius	Subtract 32 and multiply by 0.555
IMP Gallons	US Gallons	1.200
IMP Gallons	Litres	4.546
Inches	Centimetres	2.540
Kilograms	Pounds	2.2046
Kilometres	Nautical Miles	0.540
Kilometres	Statute Miles	0.621
Kilopascals	Pound/Square Inch	0.145
Litres	IMP Gallons	0.220
Litres	US Gallons	0.264
Metres	Feet	3.281
Metres	Yards	1.094
Pounds	Kilograms	0.4536
Pounds/Square Inch	Kilopascals	6.895
Nautical Miles	Kilometres	1.852
Nautical Miles	Metres	1852
Nautical Miles	Statute Miles	1.151
Statute Miles	Kilometres	1.609
Statute Miles	Nautical Miles	0.868
US Gallons	IMP Gallons	0.833
US Gallons	Litres	3.79
Yards	Metres	0.914

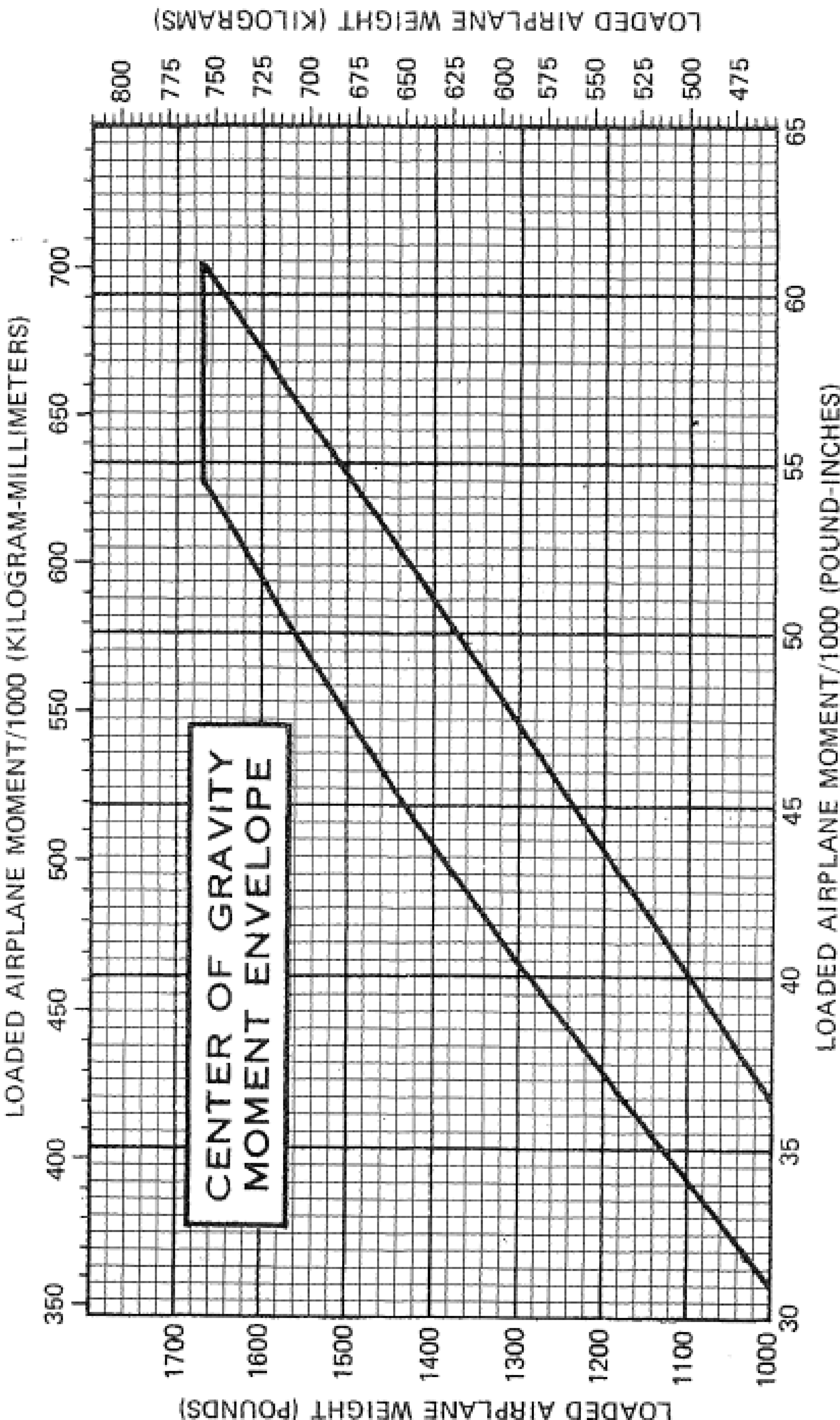


**AVGAS**



NOTES: Line representing adjustable seats shows the pilot or passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements Diagram for forward and aft limits of occupant C.G. range.

CESSNA AIRCRAFT COMPANY  
 MODEL 152



# Cessna 152

Station	Weight (lb)	Weight(kg)	US Gallons	Litres	Arm (in)	Arm (mm)	Moment (in/lb)	Moment (kg/mm)
BEW								
Row 1								
Baggage A								
ZFW								
Usable Fuel								
TOTAL								

• ZFW = BEW + Row 1 + Baggage  
 • TOTAL = ZFW + Usable Fuel  
 • Moment = Weight x Arm  
 • Arm = Moment ÷ Weight  
 • Weight = Moment ÷ Arm  
 • C152 Standard Total Fuel: **26 USG (98.4L)**  
 • C152 Standard Usable Fuel: **24.5 USG (92.7L)**  
 • C152 Long Range Total Fuel: **39 USG (147.6L)**  
 • C152 Long Range Usable Fuel: **37.5 USG (142.0L)**  
 • C152 Unusable Fuel: **1.5 USG (5.7L)**

• 1 Litre = 0.264 USG  
 • 1 USG = 3.79 L  
 • 1 in = 25.4 mm  
 • 1 mm = 0.0394 in  
 • 1 pound (lb) = 0.4536 kg  
 • 1 kg = 2.2046 pounds (lb)  
 • 1 Litre of fuel weighs 0.72 kg  
 • 1 USG of fuel weighs 6 pounds (lb)

• Cessna 152 MTOW: **1670 lb (757.5 kg)**  
 • Cessna 152 MRW: **1675 lb (759.8 kg)**  
 • Cessna 152 Max Baggage: **40 lb (18.1 kg)**  
 • Cessna 152 Max LF NORMAL no flaps: **+4.4G/-1.76G**  
 • Cessna 152 Max LF NORMAL flaps: **+3.5G**  
 • Chandelle Max entry speed: **95 KIAS**  
 • Lazy Eight Max entry speed: **95 KIAS**  
 • Steep Turn Max entry speed: **95 KIAS**  
 • Spin Max entry speed: **Use Slow Deceleration**  
 • Stall Max entry speed: **Use Slow Deceleration**