

### BEST POWER

Power	55%	65%	75%
FF Gal/h	6,3	7,2	8,4
FF Liter/h	23,8	27,3	31,8
FF Kg/h	17,1	19,6	22,9

### WEIGHTS

Basic Empty Weight	Kg	678,5
Arm Aft Datum(empty w)	m	101,5
MTOW	Kg	1045
MLW	Kg	1045
Max baggage	Kg	76
Tillsatsvikt	Kg	366,5

### TRUE AIRSPEED Best Power

PA	ISA	True Airspeed KTS		
		55%	65%	75%
10	13	100	106	115
20	11	101	107	116
30	9	101	108	117
40	7	102	110	118
50	5	103	111	119
60	3	104	113	120
70	1	104	113	121
80	-1	105	114	122
90	-3	106	115	
100	-5	108	116	

ISA + 10 gives +1 KTS

ISA - 10 gives -1 KTS

### SPEED

SPEED		CIAS
X-W	Max Demo Crosswind	20
Vs	Stall Speed Flaps 35	43
Vs	Stall Clean	50
Vx	Best Angle of Climb Speed	55
Vy	Best Rate of Climb Speed	65
	En Route Climb Speed	80
Vg	Power Off Glide Speed	65
Vfe	Max Flaps Speed	79
Va	Design Maneuvering Speed 630 kg	106
Vno	Max Structural Cruising Speed	120
Vne	Red Line Never Exceed Speed	153
	Initial Approach Speed	90
	Final Approach Speed 35	70

### FUEL ADD

	Holding	Taxi
Power %	55%	
Min	45	
Gal	4,7	1,1
Liter	17,9	4,2
Kg	12,9	3,0
<b>Route Reserve 10 %</b>		

### FIELD REQUIREMENTS

MTOW - IAS - SL - HARD RW - NO WIND				
	Speed KIAS	Flaps	Roll m	50 ft m
<b>Take off</b>				
Normal	55	0		
Short Field	52	0	245	439
<b>Landing</b>				
Normal	65	40		
Short Field	60	40	158	381

### FUEL

FUEL	Total	Usable Fuel	
		Full	
Gal	43	40	
Liter	163	151	
Kg	117	107	

### FLIGHT PLAN

TYPE	C172		
WAKE TURBULENCE CAT	L		
EQUIPMENT	SBGRY/SB1	PBN/B2D2O3S2	
EMERGENCY RADIO	ELT		

### OIL

	Max	Min
US quarts	6	4

### POWER SETTING

	Full Power
Climb	Chart
Cruise	c:a 65%
Holding	c:a 55%
Descend	1900
ILS Appr	1900
NDB Appr	1700

### ÄGARE

Enköpings flygsällskap Magnus Lundström 070-727 33 89
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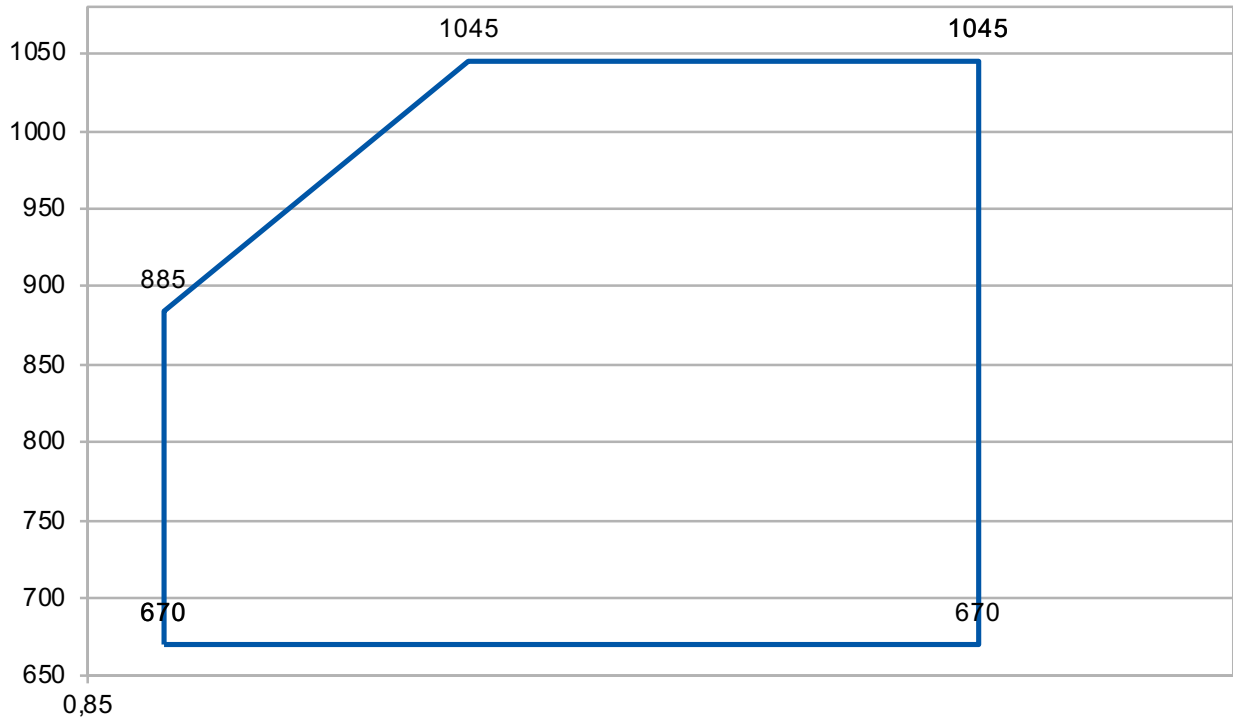
Bo Johnsson 2012-04-01

Rev 2020-09-15

# WEIGHT AND BALANCE

SE-MKZ

Item	Weight Kg	Arm m	Moment
Basic Empty Weight	679	1,02	688,7
Pilot		0,94	0,0
Passenger		1,85	0,0
Fuel: Full 100 L=72 Kg, Standard 75 L=54 Kg		1,17	0,0
BaggageArea 1 Max 54 Kg		2,41	0,0
Baggage area 2 Max 22 Kg		3,41	0,0
<b>Total Loaded Airplane MAX 630Kg</b>	<b>678,5</b>	<b>1,0</b>	<b>688,7</b>



W/V	Alt FL	TAS	TT	wca	TH	var	MH	BRYTPUNKT	DISTANS		GS	TID		BRÄNSLE	
								S	INT	ACC		INT	ACC	INT	ACC
								1							
								2							
								3							
								4							
								5							
								6							
								7							
								8							
								9							
								10							
Väder och NOTAM								Block In		Landning		Sträcka		Sträcka	
								Block Ut		Start		Reserv		Reserv	
												Summa		Summa	
												Altern		Altern	
Datum			Befälhavare					Blocktid		Flygtid		Extra		Extra	
												Total		Total	