

CE-500/501

Limitations

Weights, lbs

Ramp	12,000
Takeoff	11,850
Landing	11,350
Zero Fuel	8,400
Opt. ZFW	9,500
Baggage, Nose	350
Baggage, Aft	650
Baggage, Tail	NA
BEW, Typical	7,250

Speeds, kts

Vmo to 14,000	262
Vmo 14 to FL280	277
Vmo heavy ZFW (To FL 305)	262
Mmo	.705
Va 7500 lbs @ SL	150
“ 11850 lbs @ FL300	240
Turbulent Air	180
Flaps 15 (TO & APR)	202
Flaps 40 (Land)	176
Gear (ALL)	176
Vmcg	55
Vmca	Below Stall
Tire Ground (Mains)	165
Autopilot	Vmo/Mmo

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	.75 in
Max Temp	ISA + 71F
Min Temp	-65F
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Generator Load	325 amps
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	100+/-5
P/S on the ground	2 min

Enroute

Max Altitude	FL 410
Max Temp	ISA + 39C
Max Generator Load to FL350	400 amps
“ “ “ above 350	325 amps
Min Autopilot,GS coupled	95ft AGL
HYD PRESS ON annunciator	15 min/hr

Powerplant, JT15D-1A/B

N1	102.1/103.4 %
N2	95 %
ITT (Normal Start)	500 C
ITT Take-Off (5 min)	700 C
ITT Climb	680 C
ITT Cruise	670 C
ITT Idle	580 C
Thrust (ISA, TO, 5 min)	2200 lbs
Bypass Ratio	3.3 to 1

Fuel

Quantity	3800 lbs
Fuel Level Low	170 -280 lbs
Fuel Pres Low	5 psi decreasing
Maximum Imbalance	800 lbs

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.8 psi

For training purposes only.
See AFM for aircraft specific information

**Arizona Type Ratings,
Mitch Ange 602-284-2420**

CE-501 Sierra Limitations

Weights, lbs	
Ramp	12,650
Takeoff	12,500
Landing	11,350
Zero Fuel	9,500
Baggage, Nose	350
Baggage, Aft	650
Baggage, Tail (if equipped)	400
BEW, Typical	7,600

Speeds, kts	
Vmo (below FL 340)	259
Mmo (above FL340)	.705
Va 7800 lbs @ SL	150
Va 12,500 lbs @ FL300	240
Turbulent Air	180
Flaps 15 (TO & APR)	199
Flaps 40 (Land)	173
Gear (ALL)	173
Vmcg	55
Vmca	Below Stall
Tire Ground (Mains)	165
Autopilot	Vmo/Mmo

Takeoff, Landing, Ground	
Max Altitude	10,000
Water or Slush	.4 in
Max Temp	125F
Min Temp	-65F
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Generator Load	325 amps
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	100+/-5
P/S on the ground	2 min

FJ44 Modification

Enroute	
Max Altitude	FL 430
Max Temp	ISA + 39C
Max Generator Load to F350	400 amps
“ “ “ above 350	325 amps
Min Autopilot,GS coupled	95ft AGL

Powerplant	
Nomenclature	FJ44-2A
N1	104 %
N2	95 %
ITT (Normal Start)	1000 C
ITT Take-Off (5 min)	840 C
ITT Climb	840 C
ITT Cruise	840 C
Thrust (ISA, TO, 5 min)	2300 lbs
Bypass Ratio	3.3 to 1

Fuel	
Quantity	3800 or 4500 lbs
Fuel Level Low	170 -280 lbs
Fuel Pres Low	5 psi
Imbalance, To 12000 lbs.	800 lbs
Imbalance above 12000 lbs	260 lbs
Min Temp (TO & Lndg)	-40
Min Temp, Starting	-40
Max Temp	135F

Environmental	
Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.8 psi

For Training Purposes Only.
See AFM for specific Aircraft
Arizona Type Ratings
602-284-2420, Mitch Ange

CE-551

Limitations

Weights, lbs

Ramp	12,700
Takeoff	12,500
Landing	12,700
Zero Fuel	9,500
Opt. ZFW	11,000
Baggage, Nose	350
Baggage, Aft	650
Baggage, Tail	NA
BEW, Typical	8,000

Speeds, kts

V _{mo} to 14,000	262
V _{mo} 14 to FL280	277
V _{mo} heavy ZFW (To FL 305)	262
M _{mo}	.705
V _a 8500 lbs @ SL	150
12500 lbs @ FL310	255
Turbulent Air	180
Flaps 15 (TO & APR)	202
Flaps 40 (Land)	176
Gear (ALL)	176
V _{mcg}	62
V _{mca}	77
Tire Ground (Mains)	165
Autopilot	V _{mo} /M _{mo}

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	0.4 in.
Max Temp	ISA + 39C
Min Temp	-54 C
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Generator Load	325 amps
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	100+/-5
P/S heat on the ground	2 min

Enroute

Max Altitude	FL 430
Max Temp	ISA+39C
Max Generator Load to F350	400 amps
“ “ “ above 350	325 amps
Min Autopilot,GS coupled	95ft AGL

Powerplant

JT15D-4	
N1	104.0 %
N2	95 %
ITT (Normal Start)	500 C
ITT Take-Off (5 min)	700 C
ITT Climb	680 C
ITT Cruise	670 C
ITT Idle	580 C
Thrust (ISA, TO, 5 min)	2500 lbs
Bypass Ratio	2.5 to 1
TBO	3500 hrs

Fuel

Quantity	5000 lbs
Fuel Level Low	170 -280 lbs
Fuel Pres Low	5 psi decreasing
Imbalance	600 lbs.

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.9 psi

For training purposes only.
See AFM for aircraft specific information
Arizona Type Ratings,
Mitch Ange 602-284-2420

CE-550

Limitations, to SN 505

Weights, lbs

Ramp	13,500
Takeoff	13,300
Landing	12,700
Zero Fuel	9,500
Opt. ZFW	11,000
Baggage, Nose	350
Baggage, Aft	650
Baggage, Tail	500
BEW, Typical	8,000

Speeds, kts

Vmo to 14,000	262
Vmo 14 to FL280	277
Vmo heavy ZFW (To FL 305)	262
Mmo	.705
Va 8500 lbs @ SL	150
12500 lbs @ FL310	255
Turbulent Air	180
Flaps 15 (TO & APR)	202
Flaps 40 (Land)	176
Gear (ALL)	176
Vmcg	62
Vmca	77
Tire Ground (Mains)	165
Autopilot	Vmo/Mmo

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	0.4 in.
Max Temp	ISA + 39C
Min Temp	-54 C
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Generator Load	325 amps
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	108+/-5
P/S on ground	2 min

Enroute

Max Altitude	FL 430
Max Temp	ISA+39C
Max Generator Load to F350	400 amps
“ “ “ above 350	325 amps
Min Autopilot,GS coupled	95ft AGL

Powerplant

JT15D-4	
N1	104.0 %
N2	95 %
ITT (Normal Start)	500 C
ITT Take-Off (5 min)	700 C
ITT Climb	680 C
ITT Cruise	670 C
ITT Idle	580 C
Thrust (ISA, TO, 5 min)	2500 lbs
Bypass Ratio	2.5 to 1
TBO	3500 hrs

Fuel

Quantity	5000 lbs
Fuel Level Low	170 -280 lbs
Fuel Pres Low	5 psi dec.
Imbalance	600 lbs.

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.9 psi

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See AFM for aircraft specific information
Arizona Type Ratings,
Mitch Ange 602-284-2420

Heavy CE-550

Weights, lbs

Ramp	14,300
Takeoff	14,100
Landing	12,700
Zero Fuel	9,500
Opt. ZFW	11,000
Baggage, Nose	350
Baggage, Aft	650
Baggage, Tail	500
BEW, Typical	8,300

Speeds, kts

Vmo to 14,000	262
Vmo 14 to FL280	277
Vmo heavy ZFW (To FL 305)	262
Mmo	.705
Va 8500 lbs @ SL	150
12,500 lbs @ FL310	255
Turbulent Air	180
Flaps 15 (TO & APR)	202
Flaps 40 (Land)	176
Gear Vlo (extend)	250
Vlo (retract)	200
Vle (extended) Vmo/Mm	
Vmcg	62
Vmca	77
Tire Ground (Mains)	165
Autopilot	Vmo/Mmo

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	0.4
Max Temp	ISA+39C
Min Temp	-54C
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Generator Load	325 amps
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	108 +/-5
P/S heat on the ground	2 min

Limitations, SN 550 on

Enroute

Max Altitude	FL 430
Max Temp	ISA+39C
Max Generator Load to F350	400 amps
“ “ “ above 350	325 amps
Min Autopilot,GS coupled	95ft AGL

Powerplant

JT15D-4	
N1	104.0 %
N2	95 %
ITT (Normal Start)	500 C
ITT Take-Off (5 min)	700 C
ITT Climb	680 C
ITT Cruise	670 C
ITT Idle	580 C
Thrust (ISA, TO, 5 min)	2500 lbs
Bypass Ratio	2.5 to 1
TBO	3500 hrs

Fuel

Quantity	5000 lbs
Fuel Level Low	170 -280 lbs
Fuel Pres Low	5 psi decreasing
Imbalance	600 lbs.

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.9 psi

For training purposes only.
See AFM for aircraft specific information
Arizona Type Ratings,
Mitch Ange 602-284-2420

CE-550 Bravo

Weights, lbs

Ramp	15,000
Takeoff	14,800
Landing	13,500
Zero Fuel	11,300
Opt. ZFW	(NA)
Baggage, Nose	350
Baggage, Aft (Left side)	300
Baggage, Tail	300 fwd
“ “	200 aft
BEW, Typical	9,000

Speeds, kts

V _{mo} to 8,000	260
V _{mo} 8000 to FL279	275
M _{mo} Above FL 279	.700
V _a 8600 lbs @ SL	140
14800 lbs @ FL370	220
Turbulent Air	180
Flaps 15 (TO & APR)	200
Flaps 40 (Land)	174
Gear V _{lo} (extend)	250
V _{lo} (retract)	200
V _{le} (extended)	260
V _{mca}	78
V _{mcg}	89
Tire Ground (Mains)	165
Autopilot	V _{mo} /M _{mo}

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	.4 in.
Max Temp	ISA +39c
Min Temp	-54c
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Generator Load	315 amps
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120 +/- 5
“ “ Mains	135 +/- 5
Pitot Heat, ground	2 min

Limitations

Enroute

Max Altitude	FL 450
Max Temp	+ 54c
Min	- 54c
Max Generator Load to F350	400 amps
“ “ “ above 350	315 amps
Min Vert. Nav Altitude	500ft AGL

Powerplant

ID #	PW530A
N1	100 %
N2	100 %
ITT (Start, Limiting, 5 sec)	740 C
ITT (Normal Start)	550 C
ITT Take-Off (5 min)	700 C
ITT Idle	580 C
Thrust (ISA, TO, 5 min)	2887 lbs
Bypass Ratio	3.2 to 1
TBO	4000 hrs
Oil Capacity	5 qts
Oil pres low	20 psi

Fuel

Quantity	4860 lbs
Fuel Level Low	170 -280 lbs
Fuel Pres Low	5 psi decreasing
Imbalance	200 limit, / 600 lbs. demon.

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.9 psi

(337 built)

For training purposes only.
See AFM for aircraft specific information
Arizona Type Ratings,
Mitch Ange 602-284-2420

CE-560

Weights, lbs

Ramp	16,100
Takeoff	15,900
Landing	15,200
Zero Fuel	11,200
Opt. ZFW	12,200
Baggage, Nose	350
Baggage, Aft	500
Baggage, Tail	600
BEW, Typical	9,700

Speeds, kts

V _{mo} to 14,000	261
V _{mo} 14 to FL280	292
V _{mo} heavy ZFW (To FL 305)	276
M _{mo}	.755
V _a 7500 lbs @ SL	151
15,900 lbs @ FL314	275
Turbulent Air	180
Flaps 7 & 15	200
Flaps 35 (Land)	173
Gear V _{lo} (extend)	250
V _{lo} (retract)	200
V _{le} (extended) V _{mo} /M _{mo}	
V _{mcg}	86
V _{mca}	85
Tire Ground (Mains)	165
Autopilot V _{mo} /M _{mo}	

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	.5
Max Temp	ISA + 39C
Min Temp	-54
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Gen. Load 125 grnd, 225 ft. idle	
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	130+/-5
P/S heat on the ground	2 min

Limitations, SN 1 thru 259

Enroute

Max Altitude	FL 450
Max Temp	ISA + 39C
Max Generator Load to F350	300 amps
“ “ “ above 350	225 amps
Min Autopilot, GS coupled	95ft AGL

Powerplant

JT1D-5A	
N1	104.0 %
N2	94 %
ITT (Normal Start)	550 C
ITT Take-Off (5 min)	700 C
ITT Climb	680 C
ITT Cruise	670 C
ITT Idle	580 C
Thrust (ISA, TO, 5 min)	2900 lbs
Bypass Ratio	2.1 to 1
TBO	3500 hrs

Fuel

Quantity	5800 lbs
Fuel Level Low	185 bs
Fuel Pres Low	5 psi decreasing
Imbalance, intentional = 200, emer. 600 lbs.	

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.9 psi

For training purposes only.
See AFM for aircraft specific information
Arizona Type Ratings,
Mitch Ange 602-284-2420

CE-560 Ultra

Weights, lbs

Ramp	16,500
Takeoff	16,300
Landing	15,200
Zero Fuel	12,200
Opt. ZFW	NA
Baggage, Nose	350
Baggage, Aft	600
Baggage, Tail	500
BEW, Typical	10,000

Speeds, kts

V _{mo} to 8,000 ft ??	262
V _{mo} 8,000 to FL289	292
V _{mo} heavy ZFW (To FL 305)	NA
M _{mo}	.755
V _a 7500 lbs @ SL	151
15,900 lbs @ FL314	275
Turbulent Air	180
Flaps 7 & 15	200
Flaps 35 (Land)	173
Gear V _{lo} (extend)	250
V _{lo} (retract)	200
V _{le} (extended)V _{mo} /M _{mo}	
V _{mcg}	91
V _{mca}	95
Tire Ground (Mains)	165
Autopilot V _{mo} /M _{mo}	

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	.5
Max Temp	ISA + 39C
Min Temp	-54
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Gen. Load	125 grnd, 225 flt. idle
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	130+/-5
P/S heat on the ground	2 min

Limitations, SN 260 to 538

Enroute

Max Altitude	FL 450
Max Temp	ISA + 39C
Max Generator Load to F350	300 amps
“ “ “ above 350	225 amps

Powerplant

Nomenclature	JT1D- 5D
N1	100.0 %
N2	97 %
ITT (Normal Start)	550 C
ITT Take-Off (5 min)	720 C
ITT Climb	700 C
ITT Cruise	670 C
ITT Idle	580 C
Thrust (ISA, TO, 5 min)	3040 lbs
Bypass Ratio	2.1 to 1
TBO	3500 hrs

Fuel

Quantity	5800 lbs
Fuel Level Low	185 bs
Fuel Pres Low	5 psi decreasing
Imbalance, intentional =	200, emer. 600 lbs.

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/- 1500)	13,000 ft
Masks Auto-Drop (+/- 600)	13,500 ft
Max Cabin Differential	8.9 psi

Autopilot

Min Altitude, coupled enroute	1000 agl
“ “ Non-precision	300 agl
“ “ Precision	180 agl
“ “ VNAV	500 agl

For training purposes only.
See AFM for aircraft specific information
Arizona Type Ratings,
Mitch Ange 602-284-2420

CE-560 Encore

Weights, lbs

Ramp	16,830
Takeoff	16,630
Landing	15,200
Zero Fuel	12,600
Baggage, Nose	350
Baggage, Aft	600
Baggage, Tail	500
BEW, Typical	10,000

Speeds, kts

V _{mo} to 8,000 ft	262
V _{mo} 8,000 to FL289	292
M _{mo}	.755
V _a 10,500 lbs @ SL	154
16,630 lbs @ FL314	275
Turbulent Air	180
Flaps 7 & 15	200
Flaps 35 (Land)	173
Gear V _{lo} (extend)	250
V _{lo} (retract)	200
V _{le} (extended)	250
V _{mcg}	91
V _{mca}	95
Tire Ground (Mains)	165
Min speed in icing	160
Autopilot	V _{mo} /M _{mo}

Takeoff, Landing, Ground

Max Altitude	10,000
Water or Slush	.5
Max Temp	ISA + 39C
Min Temp	-54
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Gen. Load	125 Normal Idle
“ “	225 High Idle
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	120+/- 5
“ “ Mains	130+/-5
P/S heat on the ground	2 min

Limitations, SN 539 to 750

Enroute

Max Altitude	FL 450
Max Temp	ISA + 34C
Max Generator Load	300 amps

Powerplant

Nomenclature	PW535A
N1	100 %
N2	100 %
ITT (Normal Start)	690 C
ITT Take-Off (5 min)	700 C
ITT Continuous	700 C
Thrust (ISA, TO, 5 min)	3400 lbs
Bypass Ratio	3.5 to 1
TBO	4000 hrs
Max oil consumption	1 qt in 10 hrs

Fuel

Quantity	5440 lbs
Fuel Level Low	180 lbs (+/- 15)
Fuel Pres Low	5 psi decreasing
Imbalance, intentional	= 200, emer. 600 lbs.

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/-500)	14,500 ft
Auto EMER PRESS	14,500 ft
Masks Auto-Drop (+/- 500)	14,500 ft
Max Cabin Differential (+/- .1)	8.9 psi

Autopilot

Min Altitude, coupled enroute	1000 agl
“ “ Non-precision	300 agl
“ “ Precision	180 agl

For training purposes only.

See AFM for aircraft specific information

Arizona Type Ratings,

Mitch Ange 602-284-2420

CE-560 Encore+

Weights, lbs

Ramp	17,030
Takeoff	16,830
Landing	15,200
Zero Fuel	12,850
Baggage, Nose	310
Baggage, Aft	600
Baggage, Tail	500
BEW, Typical	10,100

Speeds, kts

V _{mo} to 8,000 ft	262
V _{mo} 8,000 to FL289	292
M _{mo}	.755
V _a 10,500 lbs @ SL	154
16,630 lbs @ FL314	275
Turbulent Air	180
Flaps 7 & 15	200
Flaps 35 (Land)	173
Gear V _{lo} (extend)	250
V _{lo} (retract)	200
V _{le} (extended)	250
V _{mcg}	91
V _{mca}	95
Tire Ground (Mains)	165
Min speed in icing	160
Autopilot	V _{mo} /M _{mo}

Takeoff, Landing, Ground

Max Altitude	14,000
Water or Slush	.5
Max Temp	ISA + 39C
Min Temp	-54
Max Tailwind	10 kts
Starter	3 Starts in 30 min.
Gen. Load	125 Normal Idle
“ “	225 High Idle
Battery (NICAD)	3 starts/hr
Tire pressure, Nose	130 psi
“ “ Mains	152 psi
P/S heat on the ground	2 min

Limitations, SN 751 and on

Enroute

Max Altitude	FL 450
Max Temp	ISA + 34C
Max Generator Load	300 amps
“ “ “ at Flight Idle	225 amps

Powerplant

Nomenclature	PW535B
N1	100 %
N2	100 %
ITT (Normal Start)	690 C
ITT Take-Off (5 min)	700 C
ITT Continuous	700 C
Thrust (ISA, TO, 5 min)	3400 lbs
Bypass Ratio	3.5 to 1
TBO (With HSI)	5000 hrs
Max Oil Consumption	1 qt in 10 hrs

Fuel

Quantity	5440 lbs
Fuel Level Low	180 lbs (+/- 15)
Fuel Pres Low	5 psi decreasing
Imbalance, intentional =	200, emer. 600 lbs.

Environmental

Max Design Cabin Alt.	8000 ft
Cabin Altitude Warning	10,000 ft
Altitude Limiters (+/-500)	14,500 ft
Auto EMER PRESS	14,500 ft
Masks Auto-Drop (+/- 500)	14,500 ft
Max Cabin Differential	8.9 psi

Autopilot

Min Altitude, coupled enroute	1000 agl
“ “ Non-precision	200 agl
“ “ Precision, Cat 1	90 agl
“ “ After TO or GA	300 agl

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See AFM for aircraft specific information

Arizona Type Ratings,

Mitch Ange 602-284-2420