



DO NOT USE FOR FLIGHT

Airbus A318/A319/A320/A321 + Airbus A330/A340

Checklist / Flow-Procedure

including basic Flight-Planning-Charts

for Wilco Airbus Series with Microsoft Flight Simulator / Prepar3D

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Version 7.0

Print Notice: Page size DIN A5. Print 2 pages per A4 or Letter page. This page is the

front cover.





Attention:

- 1) You need a saved Flight with the aircraft parked at parking position and parking break set!
 - If you don't have such a flight you won't be able to load the aircraft in Dark & Cold mode. So create such a flight, set the parking break and save it. For every new flight, set D&C in the configurator, load the flight and then change the location the desired airport.
- 2) Auto-Functions in FMC are only available in Beginner and Intermediate mode (configurator).
- Intermediate mode is recommended as IRS alignment otherwise takes 10 minutes.
- 4) Thrust levers (e.g. CH Throttle Quadrant) have to be calibrated in special way for the Wilco Airbus Series, because FLEX and TO/GA detents can't be reached otherwise. When calibrating set the max forward position about 1cm behind the normal max forward position. With the configuration you can push the Airbus Series thrust levers over the 100% manual thrust position to reach FLEX and TO/GA detents. Alternate method: Use keyboard for t/o thrust setting and use throttles only for taxi and manual approach.

Set

Open

Enable (if available) (Ctrl + J)

Parking Position / Preparation:

Dark & Cold (at Configurator)

•	Load & Fuel (at Configurator)	Set
•	FSX	Start & load Airbus-Flight (with
	Parking Break set!)	
•	Parking Break	Set
•	All ENG Master switches	Off
•	Load & Fuel (at FSX)	Check (or reset)
•	IVAP-Connection	Activate
•	Flightplan at FSX	Create
•	Dep-Metar	Check & note
•	Arr-Metar	Check & note

Gangway⇒ Overhead-Panel:

Door(s)

Battery OnEngine GENerators OnNAV-Light On





Radio Mgmt. Panel (Pedestal) On

External Power On (if available)

Window Heat On

⇔ Overhead Panel End

Off → On (Reset) Autopilot-FD (Flight Director)

FMC:

- DATA INDEX → DATA Button
- Import FS FPLN → 6R
- INSERT → 6R
- MCDU Menu → MCDU MENU Button
- FMGC → 1I
- Enter Flight No. → 3L
- Enter Flight-Level → 6L
- Enter Alternate Airport → 2R
- Enter Cost-Index → 5L (50 average, 100 high speed cruise)
- Align IRS → 3R
 - --- IRS Alignment has started---
- INIT Page B → NEXT PAGE Button
- Enter Zero Fuel Weight (ZFW) → 1R
 - \circ (Auto-ZFW \rightarrow 2x 1R)
- Enter Block Fuel (BLOCK) → 2R
 - (Auto-Block Fuel → 2x 2R)
- F-Plan Page → F-PLAN
- ⇒ ---Make sure to be at the top of the F-PLAN page (↑-Button)---
 - LAT REV Page (of Departure Airport) → 1L
 - DEPARTURE Page → 1L
 - Choose runway (up/down with $\uparrow \downarrow$ -Buttons) \rightarrow xL
 - x = line no. of desired runway
 - Choose SID and Transition \rightarrow xI \rightarrow xR
 - o x = line no. of desired SID / TRANS
 - You don't have to choose a SID / TRANS (choose NONE).
 - INSFRT → 6R
 - Clear any discontinuities at departure route → CLR Button → xL
 - \circ x = line no. of discontinuity
 - Scroll page down to Arrival Airport → 2x AIRPORT Button
 - LAT REV Page (of Arrival Airport) → xL (standard 6L)
 - x = line no. of Arrival Airport





- ARRIVAL Page → 1R
- Choose runway → xL
 - o x = line no. of desired runway
 - You can change this in-flight if required.
 - Choose STAR and Transition → xL → xR
 - o x = line no. of desired STAR / TRANS
 - You can change this in-flight if required.
 - You don't have to choose a STAR / TRANS (choose NONE / 1R).
- INSFRT → 6R
- Clear any discontinuities at arrival route → CLR Button → xL
 - \circ x = line no. of discontinuity

⇒ --- next steps are not necessary---

- Scroll page up to Dep. AP → 2x AIRPORT Button
- VERT REV Page (of Dep. AP) → 1R
- Enter estimated time of departure (UTC time) → 2R
- RFTURN → 6I

⇒ --- next steps are necessary again---

- PERF TO Page → PERF Button
- Enter Flap configuration for T/O (1, 2 or 3) \rightarrow 3R
- Enter FLEX T/O TEMP → 4R (average value: 50)
 - \circ (Auto-Flex-Temp \rightarrow 2x 4R)
- Enter V1 → 1L
- Enter VR → 2L
- Enter V2 -> 3L
 - \circ (Auto-V1, -VR, -V2 \rightarrow 2x L1 \rightarrow 2x L2 \rightarrow 2x L3)
- Enter Thrust-Reduction Alt. in ft. (>1500) (or leave suggested value) -
- Enter Transition Alt. → 4L
- Next PHASE → 6R
- Enter Climb Speed (KIAS) → 4L
- Next PHASE → 6R
- Enter Cruise-Speed (KIAS or .Mach) → 4L
- Next PHASE → 6R

⇒ ---FMC finished----

- IVAP-flightplan
- Speed at flightplan

Read from FMC & enter Enter TAS or MACH





--- TAS = KIAS + FL/2 ---

Enter (UTC) **Departure Time**

EFIS-Mode (MainPanel/MP) ARC

EFIS-Range (MP) 40nm (or as required)

GND-Control Set frequency

IFR-clrc Request (when ATC active)

IFR-clrc-data Note & Readback

--- Note: Squawk, First-Altitude, QNH → Readback ---

Squawk Set

FP-correction Correct (if required / requested) **FMC-correction** Correct (if required / requested) Altimeter Set to atmospheric pressure (B)

Autopilot

--- Correct settings: dash-ball-dash-ball-dash ----

 CLB & NAV modes Armed

--- FMS should display CLB / NAV ---

If not... Reset FD (FD Off → FD On)

 First Altitude Set Speed Managed Heading Managed Altitude Managed

--- Note: Target Alt. must be higher than Accel. Alt. ---

--- Note: Managed = Left Mouse Button, Selected = Right MB ---

Engine s/u & Pushback:

disable (CTRL + i) Gangway

closed Doors Engine s/u & Pushback p/b clrc request APU Master On APU Start On

--- wait till APU Start switch shows available (AVAIL) ---

APU Bleed On Off External Power **Fuel Pumps** On --- All Pumps of tanks containing fuel only ---

Beacon Lights On





Wing Lights On Nose Light Taxi Runway Turnoff Lights On

No Smoking On (or Auto)

Seat Belts Auto

Select (as filled in FMC) Flaps

Spoiler Armed

Autobrake MAX (A340-600: RTO)

Parking Break Off Pushback Start **ENG-Mode (Pedestal)** IGN/Start --- FADEC should turn active (from amber displays)---

A340 Engine Start:

ENG 1 & 4 Master On

--- wait till started ---

ENG 2 & 3 Master On

--- wait till started ---

A320 / A330 Engine Start:

FNG 2 Master On

--- wait till started ---

ENG 1 Master On

--- wait till started ---

FNG-Mode **NORM**

--- wait till take-off memo shows up ---

Check On **Engine GENerators**

APU Bleed Off **APU Master** Off

Engine & Wing anti-ice On (under 10°C TAT)

T/O Config Check & push t/o-config button

Main Display Check for warnings

Pushback Finish





Taxi:

Taxi-Clrc Request

Note (if required) **Taxiways** Ground-Guidance Request (if required)

<u>h/p:</u>

Hand-off GND to TWR Change frequency

I/u & t/o clrc Request (rdy for dep h/p xx)

Landing Lights On TO Nose Light Strobe Light On

T/O Memo Check all green

IVAP-Transponder On

TCAS On (TA or TA/RA) TCAS Mode Above (or All) Postion & hold Taxi & stop on rwy

Ready to Takeoff:

Parkingbreak Set

Thrust Levers Forward to 60-70% N1

> Flex-t/o Thrust Levers up to FLX detent

--- there should be 2 audible sounds ---

Power-t/o Thrust Levers up to TO/GA

--- there should be 3 audible sounds ---

Parking Break Release

Press forward till 80kts Yoke

FMA Display-Check:

o 1st column MAN FLEX flex-number

(or TO/GA if TO/GA selected)

o 2nd column CLB (blue) and SRS (green) o 3rd column NAV (blue) and RWY (green)

o 4th column A/THR (blue)

V1 V1. no abort of take-off

VR Rotate





V2, Lift-off V2

Takeoff:

Trim settings DO NOT adjust

--- Note: Auto-Trim active ---

Gear Up (at positive climb rate)

Autopilot 1 / AP1 On

Flaps Raise (on schedule / at S speed)

Publish when on Unicom Airborne

Start time Note (if required/for IVAO)

Check 1st column: LVR CLB FMA Display:

> Back to CL detent Thrust Levers

--- 1 sound back from FLX ---

Hand-off TWR to APP(DEP) Change frequency

Climb:

Off Landing Lights Runway Turnoff Lights Off Off Nose Light Autobreak Off

 Auto-Thrust (A/TH) Reset if required

--- → A/TH Off → A/TH On ---

FMA Display, Check 2nd column CLB mode active

--- to final FL / when cleared to next flight level ---

AP altitude (& speed) Change

--- Choose "Selected AP Mode" if required by ATC ---

TCAS biasing mode ΑII

Hand-off APP to CTR Change frequency Engine & Wing anti-ice On (under 10°C TAT)

Altimeter Readjust (above 18000ft) ("B")





Cruise:

FMA Display Check 2nd column: ALT CRZ

TCAS All

Radio /ATC contact
 Maintain

Autopilot / FMC
 Check permanently

FMC Check FUEL PREDiction page for

fuel consumption

Descent & Approach:

--- Beginn descent preparations before top of descent (T/D) ---

Descent preparations Begin

Airport-/Meta-Information Retrieve

--- When T/D reached or descend clearance received ---

Altitude Select Altitude

--- Press Alt. button for managed descend ---

Autobreaks Set (Low or Medium)

TCAS BLW (Pedestal)

--- When Deceleration (D) - Point reached ---

Approach Phase Check FMC

--- FMC should display AppPhase active, otherwise activate (6L) ---

Target Speed Check Autopilot set Vapp speed

FMC AppPhase Page Enter QNH → 1L

Speedbrakes
 Up (if required/too fast)

• ILS On

--- Push ILS button for ILS info on PFD ---

Altimeter Readjust (under 18000ft)

Hand-off CTR to APP
 Change frequency

--- Descend under ATC guidance: ---

Autopilot (selected mode)
 Slelect HDG and ALT

--- Descend without ATC guidance: ---

Autopilot (managed mode)
 Follow flightplan

Landing Lights OnNose Light TORunway Turnoff Lights On





Approach & Landing (Autoland):

Lower (as indicated) Flaps

--- Flaps, e.g. 5000ft 1; VFE NEXT 2; ... ---

--- Under ATC guidance: ---

Autopilot selected mode Select HDG and ALT

--- Without ATC: ---

 Autopilot managed mode Follow flightplan

---stabilize on glideslope---

 Autopilot LOC On

Around 2000ft. AGL:

Down Landing gear

Full / Check full o Flaps

Armed Spoiler

---when localizer is captured---

ILS captured Announce

Hand-off APP to TWR Change frequency Landing clrc Request / Await Check LOC or LOC* FMA Display

 Autopilot APPR On 2nd AP On Autopilot

Check all green **Landing Memo**

Autopilot Check LAND mode On FLARF mode On

"Retard" sound Thrust Idle position

---Touchdown---

Throttles Idle

Thrust reversers Engage (if required)

Thrust reversers Disengage at 80kt, thrust idle

Brakes Push (at 40-50kt)

--- Note: auto-break now disabled ---

Runway Vacate (",rwy vacated")





Approach & Landing (w/o Autoland):

Lower (as indicated) Flaps

--- Flaps, e.g. 5000ft 1; VFE NEXT 2; ... ---

--- Under ATC guidance: ---

Select HDG and ALT Autopilot selected mode

--- Without ATC: ---

 Autopilot managed mode Follow flightplan

---stabilize on glideslope---

 Autopilot LOC On

Around 2000ft. AGL:

Down Landing gear

Full / Check full o Flaps

Armed Spoiler

---when localizer is captured---

ILS captured Announce

Hand-off APP to TWR Change frequency Landing clrc Request / Await

Check LOC or LOC* FMA Display

 Autopilot APPR On

AΡ Off

Controls Check Movement, take control

Landing Memo Check all green "Retard" sound Thrust Idle position

---Touchdown---

Throttles Idle

Thrust reversers Engage (if required)

Thrust reversers Disengage at 80kt, thrust idle

Brakes Push (at 40-50kt)

--- Note: auto-break now disabled ---

Vacate (",rwy vacated") Runway





Taxi:

Transponder Stdbv

Hand-off TWR to GND Change frequency **Taxiways** Note and follow

(Ground-Guidance Request if required)

Flaps Set 0

Disengage (if engaged) Speedbrake

Off **Autobrakes** Landing lights Off Strobe Off

Landing time Note (if needed)

APU Master On APU Start On

Parking Position:

Parking brake Set

ATC contact End (state "on blocks")

All ENG Master switches Off Off Fuel pumps Seatbelts Off

Door s Open (shift + e) Enable (CTRL + j) Gangway

Beacon lights Off Off Wing Lights

--- wait 1 minute ---

External Power On APU Master Off Engine Anti Ice Off Off Wing Anti Ice Off Window Heat

Flight Director Reset (Off → On)

---if Dark & Cold is desired continue---

TCAS Stdby Ground power Off





•	External lights	Off (all)
•	Internal lights	Off (all)
•	Radio Mgmt. Panel (Pedestal)	Off
•	Engine GENerators	Off
•	Battery	Off

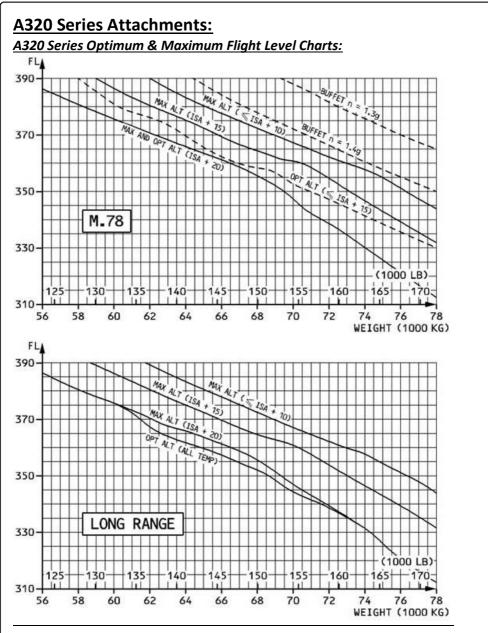




Intentionally Blank	











A320 Series Fuel Planing Charts:

Flightplan	MZFW	Fuel	Break	Climb:	Cruise:	Descend:
Fuel at	137800 <u>lbs</u>	Consumed	Release to	250 / 300 kt	M 0.78	M 0.78
CI = 50		(<u>lbs</u>)	Landing	M 0.78		300 / 250 <u>kt</u>
Data for	A318 97%	A319 99%	A321 110%			
A320						
<u>Distance</u>	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at
<u>(nm)</u>	FL 290	FL 310	FL 330	FL 350	<u>FL 370</u>	FL 390
100	3600					
200	5100					
300	6600					
400	8100					
500	9700					
600	11200					
700	12800					
800	14300					
900	15900					
1000	17600	97%	94%	93%	93%	93%
1100	19200	of	of	of	of	of
1200	20800	FL290	FL290	FL290	FL290	FL290
1300	22400					
1400	24100					
1500	25800					
1600	27500					
1700	29200					
1800	30900					
1900	32700					
2000	34500					
2100	36300					
2200	38000					
2300	39800					
2400	42000					





NOTE FOR ALL A320 MODELS:

→ Flight Plan Fuel + 14.500 LBS = Total Fuel

- → Total fuel = Enough fuel for route, 1h contingency (holding & taxi), problematic winds, alternate fuel for 200nm and a minimum landing fuel (1h). Modify alternate value as needed.
- → Load all wing tanks with same amount of fuel; outer tanks full → inner tanks → center tanks.

Fuel planning notes A318:

	Basic Operating Weight (OEW)	086.650 LBS	
+	Payload (passengers & cargo)	XXX.XXX LBS	
=	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 120.100)
+	Minimum Landing Fuel	005.500 LBS	
+	Alternate Fuel (200nm distance)	003.500 LBS	
+	Contingency Fuel (holding, taxi, etc.)	005.500 LBS	
=	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 126.700)
+	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
=	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 149.900)

Fuel planning notes A319:

	Basic Operating Weight (OEW)	089.500 LBS	
+	Payload (passengers & cargo)	XXX.XXX LBS	
=	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 129.000)
+	Minimum Landing Fuel	005.500 LBS	
+	Alternate Fuel (200nm distance)	003.500 LBS	
+	Contingency Fuel (holding, taxi, etc.)	005.500 LBS	
=	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 137.800)
+	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
<u>=</u>	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 166.500)





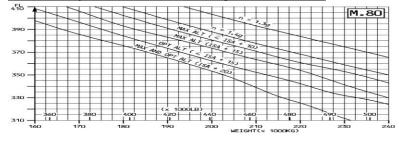
	Basic Operating Weight (OEW)	093.500 LBS	
	Payload (passengers & cargo)	XXX.XXX LBS	
	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 137.800)
	Minimum Landing Fuel	005.500 LBS	
	Alternate Fuel (200nm distance)	003.500 LBS	
	Contingency Fuel (holding, taxi, etc.)	005.500 LBS	
	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 145.500)
	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 169.800)
el	planning notes A321: Basic Operating Weight (OEW)	106.300 LBS	
	Payload (passengers & cargo)	XXX.XXX LBS	
	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 162.700)
	Minimum Landing Fuel	005.500 LBS	(max 102.700)
	Alternate Fuel (200nm distance)	003.500 LBS	
	Contingency Fuel (holding, taxi, etc.)	005.500 LBS	
	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 171.500)
	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	(max 171.500)
	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 206.100)
ıel	planning notes ACJ (based on A319):		
	Basic Operating Weight (OEW)	095.900 LBS	
	Payload (passengers & cargo)	XXX.XXX LBS	
	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 128.970)
	Minimum Landing Fuel	005.500 LBS	
	Alternate Fuel (200nm distance)	003.500 LBS	
	Contingency Fuel (holding, taxi, etc.)	005.500 LBS	
	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 137.790)
	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 168.650)

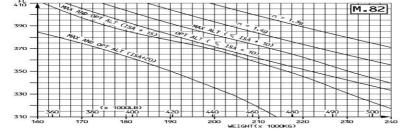


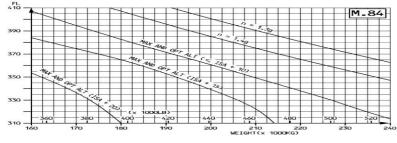


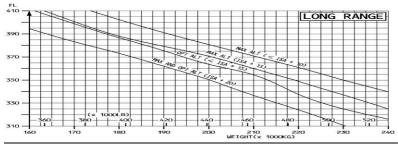
A330-200 Attachments:

A330-200 Optimum & Maximum Flight Level Charts:













A330-200 Fuel Planing Charts:

Flightplan	MZFW	Fuel	Break	Climb:	Cruise:	Descend:
Fuel at	374800 <u>lbs</u>	Consumed	Release to	250 / 300 kt	M 0.80	M 0.82
CI = 50		(lbs)	Landing	M 0.78		300 / 250 kt
<u>Distance</u>	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at
<u>(nm)</u>	<u>FL 310</u>	FL 330	<u>FL 350</u>	<u>FL 370</u>	FL 390	<u>FL 410</u>
100	5000					
200	8200					
300	11500					
400	14800					
500	18100					
1000	34600					
1500	51800					
2000	67500					
2500	84000	95%	92%	88%	86%	85%
3000	100500	of	of	of	of	of
3500	116900	FL310	FL310	FL310	FL310	FL310
4000	133400					
4500	149800					
5000	166300					
5500	182800					
6000	199300					
6500	215700					
7000	232200					
7500	248700					
8000	-	-	243900	233376	228072	225420
8500	-	-	-	247900	242262	239445





Fuel planning notes A330-200:

	Basic Operating Weight (OEW)	263.700 LBS	
+	Payload (passengers & cargo)	XXX.XXX LBS	
=	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 374.800)
+	Minimum Landing Fuel	013.000 LBS	
+	Alternate Fuel (200nm distance)	007.000 LBS	
+	Contingency Fuel (holding, taxi, etc.)	013.000 LBS	
=	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 401.200)
+	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
=	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 513.700)

→ Flight Plan Fuel + 31.000 LBS = Total Fuel

- → Total fuel = Enough fuel for route, 1h contingency (holding & taxi), problematic winds, alternate fuel for 200nm and a minimum landing fuel (1h). Modify alternate value as needed.
- \rightarrow Load all wing tanks with same amount of fuel; inner tanks full \rightarrow outer tanks \rightarrow center tanks.





A330-300 Attachments: A330-300 Optimum & Maximum Flight Level Charts: M.80 370 LONG RANGE





A330-300 Fuel Planing Charts:

Flightplan	MZFW	Fuel	Break	Climb:	Cruise:	Descend:
Fuel at	385800 <u>lbs</u>	Consumed	Release to	250 / 300 kt	M 0.80	M 0.82
CI = 50		(lbs)	Landing	M 0.78		300 / 250 kt
<u>Distance</u>	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at
<u>(nm)</u>	FL 310	FL 330	FL 350	FL 370	FL 390	FL 410
100	4800					
200	7500					
300	10200					
400	12900					
500	15600					
1000	29000					
1500	42500					
2000	56000					
2500	69500	95%	90%	88%	87%	85%
3000	82900	of	Of	Of	Of	of
3500	96400	FL310	FL310	FL310	FL310	FL310
4000	109800					
4500	123300					
5000	136800					
5500	150200					
6000	163700					
6500	177100					
7000	-	-	171540	167728	165822	162010
7500	-	-	-	-	-	173485





Fuel planning notes A330-300:

	Basic Operating Weight (OEW)	274.500 LBS	
+	Payload (passengers & cargo)	XXX.XXX LBS	
=	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 385.800)
+	Minimum Landing Fuel	013.000 LBS	
+	Alternate Fuel (200nm distance)	005.000 LBS	
+	Contingency Fuel (holding, taxi, etc.)	013.000 LBS	
=	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 412.300)
+	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
<u>=</u>	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 513.700)

→ Flight Plan Fuel + 28.000 LBS = Total Fuel

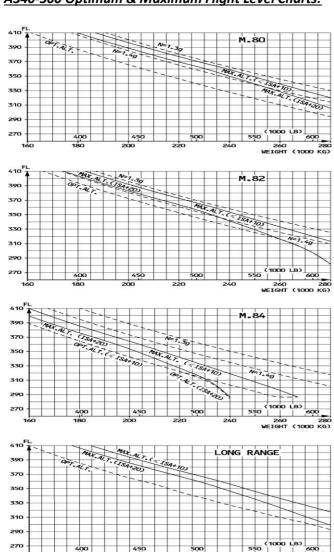
- → Total fuel = Enough fuel for route, 1h contingency (holding & taxi), problematic winds, alternate fuel for 200nm and a minimum landing fuel (1h). Modify alternate value as needed.
- → Load all wing tanks with same amount of fuel; inner tanks full → outer tanks → center tanks.





A340-300 Attachments:

A340-300 Optimum & Maximum Flight Level Charts:



WEIGHT (1000 KG)





A340-300 Fuel Planing Charts:

	1	·				ı
Flightplan	MZFW	Fuel	Break	Climb:	Cruise:	Descend:
Fuel	399000 <u>lbs</u>	Consumed	Release to	250 / 300 kt	M 0.80	M 0.82
Only		(<u>lbs</u>)	Landing	M 0.78		300 / 250 <u>kt</u>
Distance	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at	Fuel (lbs) at
<u>(nm)</u>	FL 310	FL 330	FL 350	FL 370	FL 390	FL 410
100	5800					
200	8900					
300	12000					
400	15100					
500	18200					
1000	33800					
1500	49300					
2000	64800	95%	91%	88%	87%	86%
2500	80300	of	of	of	of	of
3000	95800	FL310	FL310	FL310	FL310	FL310
3500	111300					
4000	126800					
4500	142300					
5000	157800					
5500	173300					
6000	188900					
6500	204400					
7000	219900					
7500	235400					
8000	250700					
8500	-	-	242400	234400	231700	229100
9000	-	-	-	248000	245200	242400





Fuel planning notes A340-300 (1kg = 2,205 lbs):

 Payload (passengers & cargo) Zero Fuel Weigh (ZFW) Minimum Landing Fuel Alternate Fuel (200nm distance) Contingency Fuel (holding, taxi, etc.) Planned Landing Weight (PLW) Flight Plan Fuel (fuel for route) Planned Takeoff Weight (PTOW) XXX.XXX LBS (max 423.300) (max 609.600) 		Basic Operating Weight (OEW)	287.000 LBS	
+ Minimum Landing Fuel 012.000 LBS + Alternate Fuel (200nm distance) 006.000 LBS + Contingency Fuel (holding, taxi, etc.) 012.000 LBS = Planned Landing Weight (PLW) XXX.XXX LBS (max 423.300) + Flight Plan Fuel (fuel for route) XXX.XXX LBS	+	Payload (passengers & cargo)	XXX.XXX LBS	
+ Alternate Fuel (200nm distance) 006.000 LBS + Contingency Fuel (holding, taxi, etc.) 012.000 LBS = Planned Landing Weight (PLW) XXX.XXX LBS (max 423.300) + Flight Plan Fuel (fuel for route) XXX.XXX LBS	=	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 399.000)
+ Contingency Fuel (holding, taxi, etc.) 012.000 LBS = Planned Landing Weight (PLW) XXX.XXX LBS (max 423.300) + Flight Plan Fuel (fuel for route) XXX.XXX LBS	+	Minimum Landing Fuel	012.000 LBS	
 Planned Landing Weight (PLW) XXX.XXX LBS (max 423.300) Flight Plan Fuel (fuel for route) XXX.XXX LBS 	+	Alternate Fuel (200nm distance)	006.000 LBS	
+ Flight Plan Fuel (fuel for route) XXX.XXX LBS	+	Contingency Fuel (holding, taxi, etc.)	012.000 LBS	
	=	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 423.300)
<u>= Planned Takeoff Weight (PTOW) XXX.XXX LBS</u> (max 609.600)	+	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
	<u>=</u>	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 609.600)

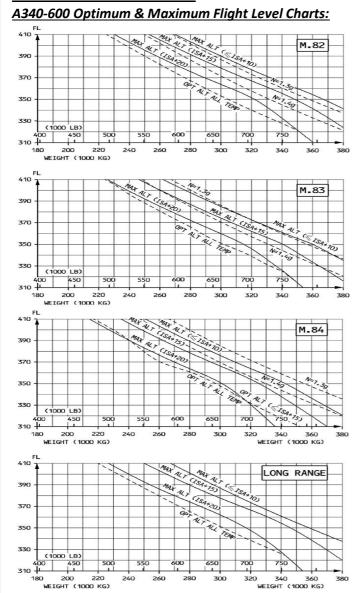
→ Flight Plan Fuel + 30.000 LBS = Total Fuel

- → Total fuel = Enough fuel for route, 1h contingency (holding & taxi), problematic winds, alternate fuel for 200nm and a minimum landing fuel (1h). Modify alternate value as needed.
- → Load all wing tanks with same amount of fuel; inner tanks full → outer tanks → center tanks.





A340-600 Attachments:







A340-600 Fuel Planing Charts:

Flightplan	MZFW	Fuel	Break	Climb:	Cruise:	Descend:
Fuel	553400 lbs	Consumed	Release to	250 / 300 kt	M 0.80	M 0.82
Only	333400 103	(lbs)	Landing	M 0.78	101 0.00	300 / 250 kt
,		(1000)	carraing	101.01.70		300 / 230 🔐
Distance	Fuel (lbs) at					
(nm)	FL 310	FL 330	FL 350	FL 370	FL 390	FL 410
100	4000					
200	7600					
300	11500					
400	15300					
500	19200					
1000	38600					
1500	58000					
2000	77400					
2500	96800	95%	92%	89%	88%	87%
3000	116200	Of	Of	of	of	of
3500	135600	FL310	FL310	FL310	FL310	FL310
4000	155000					
4500	174500					
5000	193800					
5500	213200					
6000	232600					
6500	252000					
7000	271500					
7500	290900					
8000	310200					
8300	322000					
8500	-	313100	303200	293300	290000	286700
9000	-	-	321000	310600	307100	303600
9500	-	-	-	-	-	320500





Fuel planning notes A340-600:

	Basic Operating Weight (OEW)	400.900 LBS	
+	Payload (passengers & cargo)	XXX.XXX LBS	
=	Zero Fuel Weigh (ZFW)	XXX.XXX LBS	(max 553.400)
+	Minimum Landing Fuel	017.500 LBS	
+	Alternate Fuel (200nm distance)	008.000 LBS	
+	Contingency Fuel (holding, taxi, etc.)	017.500 LBS	
=	Planned Landing Weight (PLW)	XXX.XXX LBS	(max 584.200)
+	Flight Plan Fuel (fuel for route)	XXX.XXX LBS	
<u>=</u>	Planned Takeoff Weight (PTOW)	XXX.XXX LBS	(max 837.800)

→ Flight Plan Fuel + 43.000 LBS = Total Fuel

- → Total fuel = Enough fuel for route, 1h contingency (holding & taxi), problematic winds, alternate fuel for 200nm and a minimum landing fuel (1h). Modify alternate value as needed.
- → Load all wing tanks with same amount of fuel; inner tanks full → outer tanks → center tanks.