*CSDS Aircraft Sales & Leasing Inc*

**2018 Airbus A330-343**

**THREE Aircraft.**

**MSN numbers and other information will be provided to buyer once the buyer is verified.**

**aircraft, will be delivered " Factory New" condition.**

Introduction

This presentation describes the configuration agreed for A330s for deliveries in 2018.

AIRBUS

# Overview

#### A330-343 at A330-300 standard specification issue 9.0 dated 31st July 2014

* **Weight variant:** Dynamic payload with MTOW 242 t / MLW 187 t and MZFW from 171 t to 175 t (WV082)
* **WCT** (wet center tank)
* **Engine**: RR TRENT 772B
* **APU:** HONEYWELL 3800454-6
* **Cabin:** 325 seats (18 B/C + 307 Y/C) in a **2-class configuration**

#### **Rich System configuration** allowing operational flexibility with High rate Satcom, Dual Weather radar, RNP, etc. for optimised aircraft operations, cargo ventilation to allow perishable goods transportation…

* 1. **General features**
  2. Cabin
  3. System selection
  4. Other

General features

* A330-300 standard Specification:

A330-300 Reference G 000 03000 Issue 9 dated 31st July 2014

* Design Weight Variant increased to WV082:

Dynamic payload with MTOW 242 t / MLW 187 t and MZFW from 171 t to 175 t (WV082)

* Airworthiness compliance:

EASA type certificate

* Engines:

Rolls Royce Trent 772B

* APU:

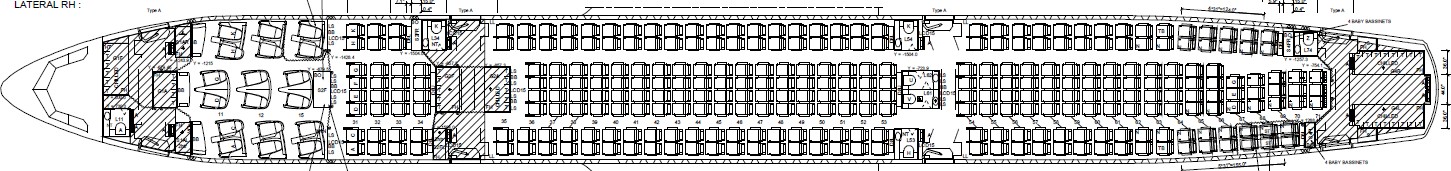
HONEYWELL 3800454-6

1. General features
2. **Cabin**
3. System selection
4. Other

Cabin Layout (LOPA ref. 330-25.56578)

#### Cabin LOPA with 303 seats (18 B/C + 307 Y/C) in a **2-class configuration** with full-flat B/C (B/E AEROSPACE - DIAMOND) and Y/C (RECARO - CL3710)

* Advanced Entertainment system (THALES INFLYT EXPERIENCE) with **full AVOD IFE**

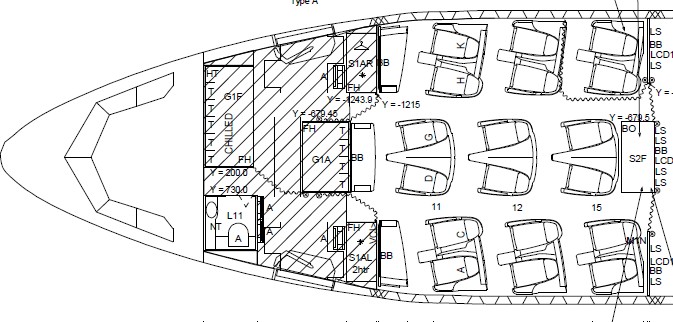


Cabin Layout : Business Class Zone

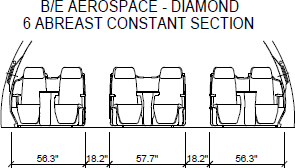
**Modern, Spacious and Comfortable Business Class zone…**



Note: the photo is not fully representative, to be updated in due time closer to delivery

Cabin Layout : Business Class Zone

18 Full flat B/C seats 1 Lavatories

4 Cabin Attendant Seats Galleys

* G1F: wet, 5.5 trolleys (chilled)
* G1A: wet, 4 trolleys Stowage/closet: S1AL/S1AR/S2F

# Cabin Layout : Business Class Zone

**1 Business Class Lavatories**



Note: the photo is not fully representative, to be updated in due time closer to delivery

Cabin Layout : Business Class Zone

**Galleys**

* **G1F: wet, 5.5 trolleys (chilled)**
* **G1A: wet, 4 trolleys Stowages: S1AL/S1AR/S2F**

Note: the photos are not fully representative, to be updated in due time closer to delivery

Cabin Layout : Economy Class Zone

**Rendering**

Note: the photo is not fully representative, to be updated in due time closer to delivery

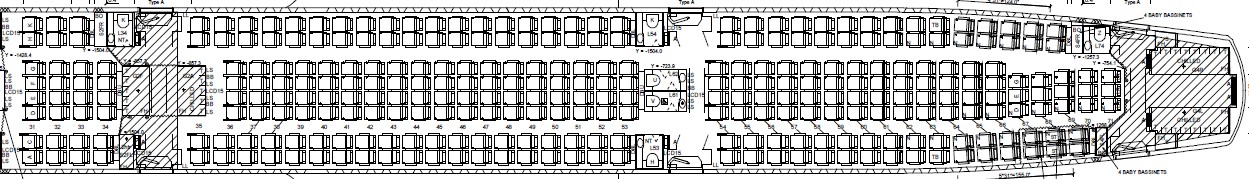


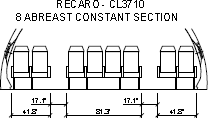
Cabin Layout : Economy Class Zone

**307 Y/C seats (RECARO CL3710)**

Galleys

* + G2F: wet, 5 trolleys
  + G2A: wet, 5 trolleys (chilled)
  + G4L: wet, 8 trolleys (chilled)
  + G4R: wet, 8 trolleys (chilled)
  + Stowages:
  + S2FL & S2FR;
  + S4FL & S4FR



6 Lavatories including a center lavatory type U/V for passengers with reduced mobility

8 Cabin Attendant Seats

# Cabin Layout : Economy Class Zone

Note: the photos are not fully representative, to be updated in due time closer to delivery

### Modern, Efficient and Comfortable Economy Class zone…





Cabin Layout : Economy Class Zone

Note: the photos are not fully representative, to be updated in due time closer to delivery

**6 Economy Class Lavatories (including a center lavatory type U/V)**



Cabin Layout : Economy Class Zone

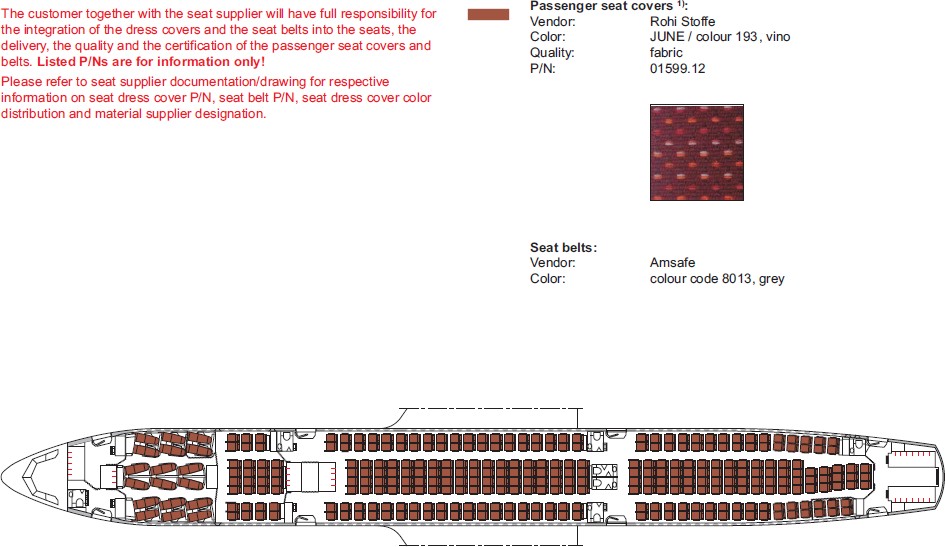
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Galleys  

* + - G2F: wet, 5 trolleys
    - G2A: wet, 5 trolleys (chilled)
    - G4L: wet, 8 trolleys (chilled)
    - G4R: wet, 8 trolleys (chilled)



# Cabin Layout : Seat covers



Lighting

Note: the photo is not fully representative, to be updated in due time closer to delivery

#### Self dimmed Lavatory Occupied Signs

* + In-seat reading lights in B/C
  + Inst. of colored EEPMS LUFTHANSA TECHNIK -900 in NFT & aisle areas
  + Exit identifier LSI



IFE: THALES INFLYT EXPERIENCE

The IFE system is supported by an integrated platform which provides following services :

* + - Personal In Seat Video & Audio: Full AVOD B/C + Y/C
    - fixed 15-16 inches LCD (BFE) on partitions/lavatories/galleys/stowages
    - Passenger Flight Information System (PFIS)
    - PED outlets B/C + Y/C

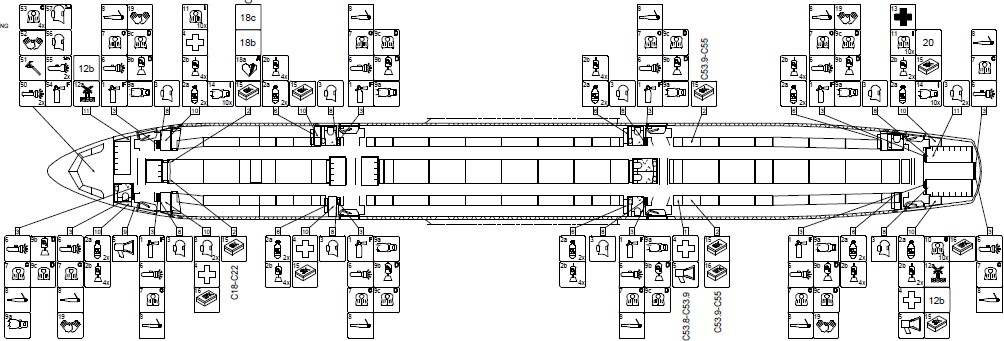
IFE: THALES INFLYT EXPERIENCE

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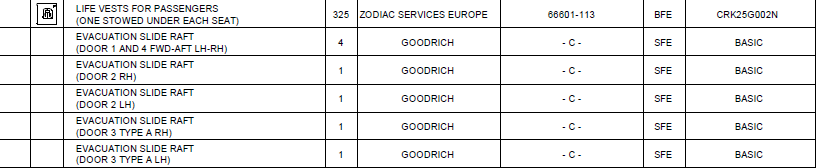
CIDS selections

* 2-Zone PA
* 2-Zone pax call
* 2-Zone cabin illumination
* PA priority for first attendant
* PA attention single chime
* Cabin and flight crew interphone
* Central reset of passenger calls zonewise for all zones from FAP, and zonewise from AAP
* Chime inhibit of passenger call zonewise from FAP
* Seat number indication on AIP for passenger call
* EVAC command on AAP door 4
* EVAC audio alert in addition through PA loudspeakers
* "CABIN READY" indication on ECAM (Timer 5 mn)
* Customer provided screensaver (picture)

# Emergency equipment location



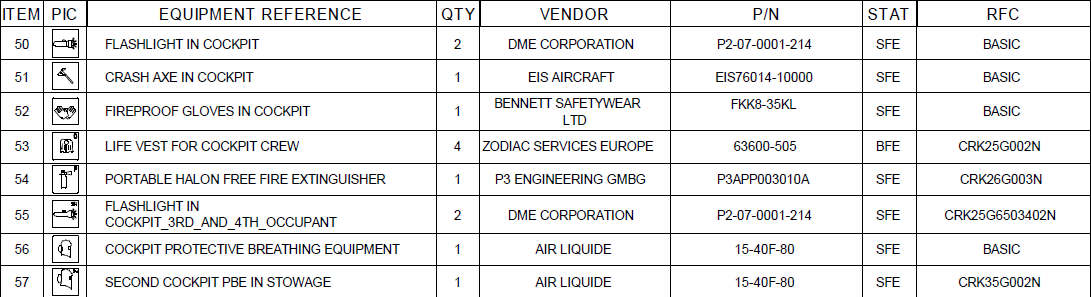
Emergency equipment



* Cabin



Emergency equipment - Cockpit



CIDS selections

#### Structural reinforcements for KA Band Antenna

* + System provisions for KA Band Antenna
  + Installation of provisions for Aircraft Communication Manager (ACM)
  + Installation of KA connectivity

#### General features

1. Cabin
2. **System selection**
3. Other

Avionic system selection (1)

* + ATA 21 AIR CONDITIONING
    - Installation of lower deck fwd cargo compartment ventilation system and temp control (A330)
    - Particle filter element – PALL-GMBH, PN QB0408-01

#### ATA 22 AUTO-PILOT

* + - FMS Release 1A (Genepi/T5BH3) and MCDU alternate eqpt - THALES AVIONICS/SMITHS

#### ATA 23 COMMUNICATIONS

* + - Automatic ELT (406 AF Integra) with programming dongle and remote control panel - THALES AVIONICS)
    - Installation of Cockpit Door Surveillance System (CDSS) connected to the ECAM SD
    - Installation of swift Broadband Global Area Network (BGAN) - Honeywell (-77145)
    - Installation of headset for fourth occupant - SENNHEISER type HD 46-K1, PN 046-69-999-0931
    - Installation of Multiple VHF Data Radio (MVDR)
    - Boomsets alternate equipment - TELEX COMMUNICATIONS, PN 64300-210
    - CVR (90 days ULB), HONEYWELL, P/N 980-6032-023

#### ATA 24 ELECTRICAL POWER

* + - Additional 15 kVA galley power supply in door n° 4 area
    - Battery discharge warning system

# Avionic system selection (2)

#### ATA 26 FIRE PROTECTION – GENERAL

* + Cargo fire extinguishers - PACIFIC SCIENTIFIC
  + Cockpit portable fire extinguisher (SFE) - P3, PN P3APP003010A
  + Installation of halon-free fire extinguisher in cabin (SFE) - P3, PN P3APP003010A
* ATA 28 FUEL – GENERAL
  + Installation of Wet Center Tank (WCT)

## ATA 29 HYDRAULIC POWER – GENERAL

* + Hydraulic Power - Ram Air Turbine (RAT) - Introduce RAT design standard P/N P/N 1702934F

## ATA 31 INDICATING / RECORDING

* + Flight Data Recorder (FDR) (90 days ULB) (1024 w/s) - HONEYWELL, PN 980-4750-002
  + WGL-DAR (4 HSPA+ modules) equipped with 8Gb CF memory card - Teledyne (BFE) (ARINC 591/600)

## ATA 32 LANDING GEAR – GENERAL

* + A330 - Wheels and brakes GOODRICH MESSIER (1 500 LPO)
  + A330-200/300 - Radial tires (MLG) - MICHELIN, PN M05102
  + A330-200/300 - Radial tires (NLG) - MICHELIN, PN M07601
  + A330-200/300/800/900 - Universal brake cooling fans on GOODRICH - MESSIER brakes

# Avionic system selection (3)

#### ATA 34 NAVIGATION

* + RNP AR capability (Step 3)
  + Radio altitude automatic call-outs
  + Installation of dual Head-Up Display (HUD) - deactivated
  + TCAS (ch7.1) - HONEYWELL TPA100B (-005) / ATC - ACSS NXT-800
  + ISIS - baro setting in inches Hg
  + ISIS - display of metric altitude
  + Dual weather radar ROCKWELL COLLINS, MultiScan WXR-2100 - V2 with hazard function activation
  + Compliance with ADS-B OUT regulation for RAD & NRA operations
  + Installation of a dual ADF - ROCKWELL COLLINS (900 SERIES)
  + Activation of the Back-Up Speed Scale function

#### ATA 35 OXYGEN – GENERAL

* + In-situ replenishment facility for cockpit oxygen cylinder (A330) - EROS, PN DKR142
  + Installation of second PBE in cockpit (SFE) - AIR LIQUIDE, PN 15-40F-80
  + Introduce cockpit oxygen system segregation

#### ATA 38 WATER/WASTE – GENERAL

* + Statement of sanitary construction for water and waste system compliance with USPHSS
  + Installation of one water conditioner in potable water system - AOA APPARATEBAU

# Avionic system selection (4)

#### ATA 46 INFORMATION SYSTEMS

* + Installation of provisions for a connectivity platform
  + Airbus AOC software for ATSU (Fans A+) (weights in kg) - HONEYWELL
  + Activation of ARINC 623 in the ATSU
  + Activation of VDL mode 2 function in the ATSU

#### ATA 51 STANDARD PRACTICES AND STRUCTURES - GENERAL

* + Water repellent fluid on wing strut well areas
  + Alternate paint systems (LOW VOC / CF primer) on nacelle - ANAC
  + Alternate paint system (CF primer, Base Coat/Clear Coat) on fuselage & vert. stabilizer – ANAC

#### ATA 52 DOORS

* + Type "A" door number 3
  + Electrical cockpit door locking back-up system (MMEL conditions)

#### ATA 55 STABILIZERS

* + Metal sheet cover on vertical stabilizer

#### ATA 56 WINDOWS

* + Front and side cockpit windows - SAINT-GOBAIN SULLY
  + Installation of Blind windows painted in dark grey

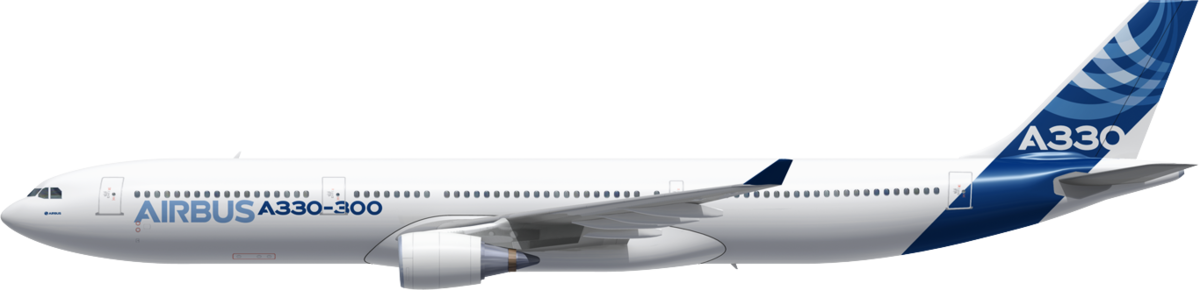
#### General features

1. Cabin
2. System selection
3. **Other**

External Livery

External Livery customised in compliance with requirements:

* + - Registration on wings
    - Bilingual placards and markings



Thank you

