



ICAO ENGINE EXHAUST EMISSIONS DATA SHEET

SUBSONIC ENGINES

ENGINE IDENTIFICATION: CF6-80C2B5F/B6F/B7F
UNIQUE ID NUMBER: 07P27GE219
COMBUSTOR: LEC
ENGINE TYPE: TF
BYPASS RATIO: 5.0
PRESSURE RATIO (π_{oo}): 32.7
RATED THRUST (F_{oo}) (kN): 267.0

REGULATORY DATA

CHARACTERISTIC VALUE:	HC	CO	NO _x	SMOKE NUMBER
D _p /F _{oo} (g/kN) or SN	3.2	28.9	49.6	3.9
AS % OF ORIGINAL LIMIT	16.5	24.5	47.0	21.4
AS % OF CAEP/2 LIMIT (NO _x)			58.8	
AS % OF CAEP/4 LIMIT (NO _x)			68.5	
AS % OF CAEP/6 LIMIT (NO _x)			77.1	
AS % OF CAEP/8 LIMIT (NO _x)			89.3	

For non-volatile particulate matter (nvPM) emissions, please refer to the ICAO Engine nvPM Emissions Data Sheet.

DATA STATUS

- PRE-REGULATION
x CERTIFICATION
- REVISED (SEE REMARKS)

TEST ENGINE STATUS

x NEWLY MANUFACTURED ENGINES
- DEDICATED ENGINES TO PRODUCTION STANDARD
- OTHER (SEE REMARKS)

EMISSIONS STATUS

x DATA CORRECTED TO REFERENCE
(ANNEX 16 VOLUME II)

CURRENT ENGINE STATUS

(IN PRODUCTION, IN SERVICE UNLESS OTHERWISE NOTED)
- OUT OF PRODUCTION (DATE: -)
- OUT OF SERVICE (DATE: -)

MEASURED DATA

MODE	POWER SETTING (%F _{oo})	TIME (minutes)	FUEL FLOW (kg/s)	HC	CO	NO _x	SMOKE NUMBER
TAKE-OFF	100	0.7	2.569	0.04	0.16	26.61	2.5
CLIMB OUT	85	2.2	2.074	0.05	0.13	19.96	2.7
APPROACH	30	4.0	0.671	0.10	2.02	11.39	0.5
IDLE	7	26.0	0.196	1.73	19.32	4.08	0.5
LTO TOTAL FUEL (kg) or EMISSIONS (g)			848	562	6285	11420	-
NUMBER OF ENGINES				1	1	1	1
NUMBER OF TESTS				3	3	3	3
AVERAGE D _p /F _{oo} (g/kN) or AVERAGE SN (MAX)				2.1	23.5	42.8	3.0
SIGMA (D _p /F _{oo} in g/kN, or SN)				0.1	0.2	0.1	0.3
RANGE (D _p /F _{oo} in g/kN, or SN)				2.01-2.16	23.42-23.77	42.7-42.88	2.79-3.38

ACCESSORY LOADS

POWER EXTRACTION 0 (kW)
STAGE BLEED 0 (% CORE FLOW)

AT - POWER SETTINGS
AT - POWER SETTINGS

ATMOSPHERIC CONDITIONS

BAROMETER (kPa)	97.6-98.7
TEMPERATURE (K)	285.3-290.6
ABS HUMIDITY (kg/kg)	0.0023-0.0036

FUEL

SPEC	Jet A
H/C	1.89
AROM (%)	16.2

MANUFACTURER: General Electric Company
TEST ORGANIZATION: GE Aerospace
TEST LOCATION: PTO, Ohio, USA
TEST DATES: 15/03/2023-30/03/2023

NO_x REGULATION PARAGRAPH

	2.3.2 c) (CAEP/4)
	2.3.2 d) (CAEP/6)
x	2.3.2 e) (CAEP/8)

REMARKS

- Engine S/N 707-628/1
- Ref. R2022AE132/Rev. 1

Compliance with Fuel Venting requirements:

x ('x' if complies, 'PR' if pre-regulation, '-' if information is not available)