

Expansion of Hong Kong International Airport into a Three-Runway System

APU - Emission Indices

APU Emission Indices adopted by IATA/EDMS

NAME	CO (kg/hr)	THC (kg/hr)	NO _x (kg/hr)	SO _x (kg/hr)	RSP (kg/hr)	Information from IATA
APS2000	0.4359	0.0412	0.3100	0.0676	0.0620	Same as GTCP 36-150
APS2300	1.9201	0.1099	0.5070	0.1067	0.1550	Same as GTCP 85-98
APS3200	0.5645	0.0428	0.7680	0.1157	0.0930	Same as GTCP 131-9
APS5000	0.4517	0.0470	1.0402	0.1094	0.0997	Note [2]
GTCP131-9A	0.5645	0.0428	0.7680	0.1157	0.0930	Same as GTCP 131-9
GTCP131-9B	0.5645	0.0428	0.7680	0.1157	0.0930	Same as GTCP 131-9
GTCP131-9N	0.5080	0.0385	0.6912	0.1041	0.0837	Note [3]
GTCP331-200	0.5019	0.0523	1.1557	0.1215	0.1108	From EDMS
GTCP331-250	0.6350	0.0680	1.5558	0.0482	0.0726	From EDMS
GTCP331-250H	0.6350	0.0680	1.5558	0.0482	0.0726	Same as GTCP 331-250
GTCP331-350	0.3822	0.0473	2.0343	0.2055	0.1108	From EDMS
GTCP331-350C	0.3822	0.0473	2.0343	0.2055	0.1108	Same as GTCP 331-350
GTCP331-500B	0.4595	0.0486	2.7741	0.2431	0.1108	From EDMS
GTCP331-600	0.4595	0.0486	2.7741	0.2431	0.1108	Same as GTCP 331-600
GTCP36-100E	2.0596	0.0377	0.3530	0.0662	0.0620	Same as GTCP 36-100
GTCP36-100N	2.0596	0.0377	0.3530	0.0662	0.0620	Same as GTCP 36-100
GTCP36-150	0.4359	0.0412	0.3100	0.0676	0.0620	From EDMS
GTCP36-150N	0.4359	0.0412	0.3100	0.0676	0.0620	Same as GTCP 36-150
GTCP36-150RJ	0.4359	0.0412	0.3100	0.0676	0.0620	Same as GTCP 36-150
GTCP36-300-4	0.2055	0.0150	1.0125	0.1002	0.0620	From EDMS
GTCP660-4	3.0094	0.0974	1.8544	0.3479	0.2325	Same as GTCP 660
GTCP85-129	1.9201	0.1099	0.5070	0.1067	0.1550	From EDMS
GTCP85-98CK	1.9201	0.1099	0.5070	0.1067	0.1550	Same as GTCP 85-98
GTCP85-98DHF	1.9201	0.1099	0.5070	0.1067	0.1550	Same as GTCP 85-98
HGT1700	0.4136	0.0438	2.4967	0.2188	0.0997	Note [4]
PW901A	6.5680	0.5871	1.2330	0.3914	1.1238	From EDMS
PW901C	6.5680	0.5871	1.2330	0.3914	1.1238	Same as PW901A
PW980A	6.5680	0.5871	1.2330	0.3914	1.1238	Same as PW901A
PW980A-N	6.5680	0.5871	1.2330	0.3914	1.1238	Same as PW901A
RE220(GX)	0.4359	0.0412	0.3100	0.0676	0.0620	Same as GTCP 36-150
TSCP700-4E	0.7834	0.0777	1.7284	0.2100	0.1101	Same as TSCP 700-4B

Notes:

[1] Emission indices of SOx and RSP are adopted from EDMS v5.1.4.1 based on APU model

[2] Emission indices for APS5000 is 90% of emission indices for GTCP331-200 (based on information from IATA)

[3] Emission indices for GTCP131-N is 90% of emission indices for GTCP131-9 (based on information from IATA)

[4] Emission indices for HGT1700 is 90% of emission indices for GTCP331-500B (based on information from IATA)