

HOLDING

The holding tables show indicated airspeed, Mach number, N1, fuel flow and fuel consumption for various weights, altitudes, anti-ice on (with and without ice accretion) and off condition. Data are presented in ISA condition for all engines operating configuration.

The associated conditions are:

- Flaps UP
- Gear UP
- Bleeds OPEN
- Airspeed 1.3 V_S or 200 KIAS
- Anti-Ice ON or OFF

HOLDING - ALL ENGINES

AE3007A1 ENGINES

CRUISE CONFIGURATION
BLEED: OPEN
ANTI-ICE: OFF
MINIMUM FUEL CONSUMPTION SPEED
STANDARD ATMOSPHERE

WEIGHT (KG)

ALTITUDE (FT)

			0	1500	5000	10000	15000	20000	25000	30000	37000
22000	IAS	KT	178	177	174	170	169	169	171	176	184
	TAS	KT	178.2	180.5	186.5	197.2	211.0	228.7	251.6	281.4	333.6
	MACH		0.269	0.274	0.287	0.309	0.337	0.373	0.419	0.478	0.581
	N1	%	57.0	58.0	60.7	65.0	68.9	72.9	77.6	81.8	89.3
	FF	KG/H/ENG	482	475	462	448	439	437	437	441	461
	FC	KG/H	964	951	924	896	879	873	873	882	922
21000	IAS	KT	176	174	171	167	165	165	166	170	181
	TAS	KT	175.5	177.6	183.3	193.4	206.4	223.2	244.9	273.2	329.5
	MACH		0.265	0.270	0.282	0.304	0.330	0.364	0.408	0.464	0.574
	N1	%	55.8	56.8	59.4	63.7	67.8	71.6	76.4	80.5	87.6
	FF	KG/H/ENG	464	457	443	428	419	415	415	418	435
	FC	KG/H	929	915	886	857	838	830	830	836	871
20000	IAS	KT	173	171	168	164	161	161	162	165	175
	TAS	KT	172.6	174.6	180.0	189.5	201.8	217.6	238.2	265.0	318.3
	MACH		0.261	0.266	0.278	0.298	0.323	0.355	0.397	0.451	0.556
	N1	%	54.5	55.6	58.1	62.4	66.6	70.3	75.0	79.2	85.8
	FF	KG/H/ENG	447	439	425	409	399	394	394	395	409
	FC	KG/H	893	879	850	818	798	788	787	790	819
19000	IAS	KT	170	169	165	161	158	157	157	160	169
	TAS	KT	169.8	171.7	176.7	185.6	197.2	212.1	231.5	256.8	307.1
	MACH		0.257	0.262	0.273	0.292	0.316	0.347	0.386	0.437	0.537
	N1	%	53.3	54.3	56.8	60.9	65.2	69.0	73.5	78.0	84.1
	FF	KG/H/ENG	429	422	407	390	379	373	372	373	384
	FC	KG/H	858	843	813	780	758	746	745	746	769
18000	IAS	KT	168	166	162	157	154	153	153	155	163
	TAS	KT	167.0	168.8	173.5	181.8	192.7	206.6	224.9	248.7	296.1
	MACH		0.253	0.257	0.268	0.286	0.309	0.338	0.375	0.424	0.518
	N1	%	52.0	52.9	55.4	59.4	63.8	67.7	72.0	76.7	82.7
	FF	KG/H/ENG	412	404	389	372	360	353	351	351	360
	FC	KG/H	824	809	777	743	719	706	701	702	720
17000	IAS	KT	165	163	159	154	151	149	148	150	156
	TAS	KT	164.3	165.9	170.2	177.9	187.9	201.0	218.0	240.3	285.1
	MACH		0.249	0.253	0.263	0.280	0.302	0.329	0.365	0.410	0.499
	N1	%	50.6	51.6	54.0	57.9	62.2	66.5	70.4	75.2	81.4
	FF	KG/H/ENG	395	387	371	353	341	333	330	329	336
	FC	KG/H	790	775	742	706	681	666	659	659	672

NOTE: MACH setting and FF KG/H/ENG remain constant, regardless of the temperature change.

HOLDING - ALL ENGINES

AE3007A1 ENGINES

CRUISE CONFIGURATION
BLEED: OPEN
ANTI-ICE: OFF
MINIMUM FUEL CONSUMPTION SPEED
STANDARD ATMOSPHERE

WEIGHT (KG)

ALTITUDE (FT)

			0	1500	5000	10000	15000	20000	25000	30000	37000
16000	IAS	KT	162	160	156	151	147	145	144	145	150
	TAS	KT	161.5	162.9	166.9	174.0	183.3	195.5	211.4	232.2	273.9
	MACH		0.245	0.249	0.258	0.274	0.295	0.321	0.354	0.397	0.481
	N1	%	49.3	50.2	52.5	56.3	60.6	65.0	68.8	73.6	80.0
	FF	KG/H/ENG	379	371	354	335	322	313	309	308	313
	FC	KG/H	757	741	708	670	644	626	618	617	626
15000	IAS	KT	160	158	153	148	144	141	140	140	144
	TAS	KT	158.7	160.0	163.6	170.2	178.9	190.2	204.9	224.2	263.1
	MACH		0.241	0.245	0.254	0.269	0.288	0.312	0.343	0.383	0.462
	N1	%	47.9	48.7	50.9	54.7	58.8	63.3	67.2	71.7	78.3
	FF	KG/H/ENG	363	354	337	318	303	294	289	288	290
	FC	KG/H	725	708	674	635	607	588	577	575	581
14000	IAS	KT	157	155	150	145	140	137	135	135	138
	TAS	KT	156.0	157.2	160.5	166.5	174.4	184.8	198.4	216.3	252.3
	MACH		0.237	0.241	0.249	0.263	0.281	0.303	0.332	0.370	0.443
	N1	%	46.5	47.3	49.3	52.9	56.9	61.4	65.6	69.8	76.5
	FF	KG/H/ENG	347	338	321	300	285	275	269	266	268
	FC	KG/H	694	677	641	601	571	550	537	533	537
13000	IAS	KT	154	152	147	141	136	133	131	130	132
	TAS	KT	153.3	154.4	157.4	162.8	170.0	179.4	191.9	208.3	241.5
	MACH		0.233	0.236	0.244	0.257	0.274	0.295	0.322	0.357	0.425
	N1	%	45.0	45.8	47.7	51.2	55.1	59.4	63.9	67.8	74.8
	FF	KG/H/ENG	332	323	305	283	268	257	249	246	247
	FC	KG/H	663	646	609	567	535	513	499	492	494
12000	IAS	KT	152	149	144	138	133	129	126	125	126
	TAS	KT	150.6	151.6	154.2	159.1	165.5	174.0	185.3	200.3	230.7
	MACH		0.229	0.232	0.239	0.251	0.266	0.286	0.311	0.343	0.406
	N1	%	43.5	44.2	46.1	49.3	53.1	57.3	61.9	65.9	72.8
	FF	KG/H/ENG	317	308	289	267	250	238	230	226	226
	FC	KG/H	634	615	578	534	501	477	461	452	452

NOTE: MACH setting and FF KG/H/ENG remain constant, regardless of the temperature change.

HOLDING - ALL ENGINES

AE3007A1 ENGINES

CRUISE CONFIGURATION
BLEED: OPEN
ANTI-ICE: ON (WITHOUT ICE ACCRETION)
STANDARD ATMOSPHERE

WEIGHT (KG)			ALTITUDE (FT)								
			0	1500	5000	10000	15000	20000	25000	30000	37000
22000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	200.4	204.7	215.4	232.0	250.4	271.0	293.9	319.5	361.8
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	58.1	59.2	62.0	66.1	69.7	73.8	78.6	82.7	91.1
	FF	KG/H/ENG	553	545	528	508	495	489	487	491	512
	FC	KG/H	1106	1090	1055	1016	990	978	974	981	1024
21000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	200.4	204.7	215.4	232.0	250.4	271.0	293.9	319.5	361.8
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	57.2	58.3	61.0	65.2	68.9	72.7	77.6	81.6	89.5
	FF	KG/H/ENG	539	530	513	493	478	471	469	471	489
	FC	KG/H	1077	1060	1025	985	957	942	939	943	979
20000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	200.1	204.5	215.1	231.7	250.2	270.7	293.6	319.1	361.4
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	56.3	57.4	60.0	64.2	68.1	71.7	76.5	80.6	87.7
	FF	KG/H/ENG	525	516	498	478	463	454	453	453	468
	FC	KG/H	1049	1032	996	955	925	909	905	906	936
19000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.9	204.2	214.9	231.5	249.9	270.4	293.3	318.8	361.1
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	55.4	56.5	59.0	63.2	67.3	70.7	75.4	79.7	85.8
	FF	KG/H/ENG	511	503	485	463	448	438	436	436	448
	FC	KG/H	1023	1005	969	927	895	876	872	871	895
18000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.7	204.0	214.7	231.2	249.6	270.1	293.0	318.5	360.7
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	54.5	55.6	58.1	62.2	66.3	69.8	74.2	78.8	84.7
	FF	KG/H/ENG	499	490	471	450	433	423	420	419	429
	FC	KG/H	997	980	943	899	867	846	839	839	858
17000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.5	203.8	214.4	231.0	249.4	269.9	292.7	318.2	360.4
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	53.7	54.7	57.2	61.2	65.4	68.9	73.1	77.9	83.7
	FF	KG/H/ENG	486	478	459	437	420	409	404	404	411
	FC	KG/H	973	955	918	874	840	817	808	808	823

NOTE: MACH setting and FF KG/H/ENG remain constant, regardless of the temperature change.

HOLDING - ALL ENGINES

AE3007A1 ENGINES

CRUISE CONFIGURATION
BLEED: OPEN
ANTI-ICE: ON (WITHOUT ICE ACCRETION)
STANDARD ATMOSPHERE

WEIGHT (KG)

ALTITUDE (FT)

			0	1500	5000	10000	15000	20000	25000	30000	37000
16000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.3	203.6	214.2	230.8	249.2	269.6	292.4	317.9	360.0
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	52.8	53.8	56.3	60.3	64.4	68.1	72.0	77.0	82.8
	FF	KG/H/ENG	475	466	447	425	407	395	389	390	395
	FC	KG/H	950	932	895	850	815	790	779	780	790
15000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.1	203.4	214.0	230.5	248.9	269.3	292.1	317.6	359.7
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	52.0	53.0	55.4	59.3	63.5	67.4	71.0	75.9	81.9
	FF	KG/H/ENG	464	455	436	413	395	383	376	376	380
	FC	KG/H	928	911	873	827	791	765	751	751	760
14000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	198.9	203.2	213.8	230.4	248.7	269.1	291.9	317.3	359.4
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	51.2	52.2	54.6	58.4	62.6	66.7	70.1	74.7	80.9
	FF	KG/H/ENG	454	445	426	403	384	371	363	361	366
	FC	KG/H	908	890	852	805	768	741	725	723	733
13000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	198.8	203.1	213.7	230.2	248.5	268.9	291.7	317.1	359.1
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	50.4	51.4	53.8	57.6	61.7	65.8	69.2	73.6	80.0
	FF	KG/H/ENG	445	436	416	393	374	359	351	348	354
	FC	KG/H	889	871	832	785	747	719	701	696	707
12000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	198.6	202.9	213.5	230.0	248.3	268.7	291.4	316.8	358.8
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	49.7	50.6	53.0	56.8	60.8	64.9	68.4	72.5	79.2
	FF	KG/H/ENG	436	427	407	383	364	349	339	336	342
	FC	KG/H	871	853	814	766	728	698	679	671	684

NOTE: MACH setting and FF KG/H/ENG remain constant, regardless of the temperature change.

HOLDING - ALL ENGINES

AE3007A1 ENGINES

CRUISE CONFIGURATION
BLEED: OPEN
ANTI-ICE: ON (WITH ICE ACCRETION)
STANDARD ATMOSPHERE

WEIGHT (KG)			ALTITUDE (FT)								
			0	1500	5000	10000	15000	20000	25000	30000	37000
22000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	200.4	204.7	215.4	232.0	250.4	271.0	293.9	319.5	361.8
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	58.1	59.2	62.0	66.1	69.7	73.8	78.6	82.7	91.1
	FF	KG/H/ENG	613	602	580	553	533	522	515	516	536
	FC	KG/H	1226	1204	1159	1106	1067	1043	1031	1032	1073
21000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	200.4	204.7	215.4	232.0	250.4	271.0	293.9	319.5	361.8
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	57.2	58.3	61.0	65.2	68.9	72.7	77.6	81.6	89.5
	FF	KG/H/ENG	599	588	565	538	517	504	498	496	513
	FC	KG/H	1197	1176	1130	1076	1034	1008	995	992	1025
20000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	200.1	204.5	215.1	231.7	250.2	270.7	293.6	319.1	361.4
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	56.3	57.4	60.0	64.2	68.1	71.7	76.5	80.6	87.7
	FF	KG/H/ENG	585	574	551	523	501	487	481	477	490
	FC	KG/H	1170	1148	1102	1046	1003	974	961	954	980
19000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.9	204.2	214.9	231.5	249.9	270.4	293.3	318.8	361.1
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	55.4	56.5	59.0	63.2	67.3	70.7	75.4	79.7	85.8
	FF	KG/H/ENG	572	561	537	509	487	471	464	460	469
	FC	KG/H	1143	1121	1075	1018	973	942	928	919	938
18000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.7	204.0	214.7	231.2	249.6	270.1	293.0	318.5	360.7
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	54.5	55.6	58.1	62.2	66.3	69.8	74.2	78.8	84.7
	FF	KG/H/ENG	559	548	524	496	473	456	447	443	449
	FC	KG/H	1118	1096	1049	991	945	912	895	886	899
17000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.5	203.8	214.4	231.0	249.4	269.9	292.7	318.2	360.4
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	53.7	54.7	57.2	61.2	65.4	68.9	73.1	77.9	83.7
	FF	KG/H/ENG	547	536	512	483	459	442	432	428	431
	FC	KG/H	1094	1072	1024	966	919	884	863	855	862

NOTE: MACH setting and FF KG/H/ENG remain constant, regardless of the temperature change.

HOLDING - ALL ENGINES

AE3007A1 ENGINES

CRUISE CONFIGURATION
BLEED: OPEN
ANTI-ICE: ON (WITH ICE ACCRETION)
STANDARD ATMOSPHERE

WEIGHT (KG)

ALTITUDE (FT)

			0	1500	5000	10000	15000	20000	25000	30000	37000
16000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.3	203.6	214.2	230.8	249.2	269.6	292.4	317.9	360.0
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	52.8	53.8	56.3	60.3	64.4	68.1	72.0	77.0	82.8
	FF	KG/H/ENG	536	525	501	471	447	428	417	413	414
	FC	KG/H	1072	1049	1001	942	893	857	834	827	829
15000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	199.1	203.4	214.0	230.5	248.9	269.3	292.1	317.6	359.7
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	52.0	53.0	55.4	59.3	63.5	67.4	71.0	75.9	81.9
	FF	KG/H/ENG	525	514	490	460	435	416	403	399	399
	FC	KG/H	1050	1028	979	919	870	832	806	798	798
14000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	198.9	203.2	213.8	230.4	248.7	269.1	291.9	317.3	359.4
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	51.2	52.2	54.6	58.4	62.6	66.7	70.1	74.7	80.9
	FF	KG/H/ENG	515	504	479	449	424	404	390	384	385
	FC	KG/H	1030	1008	959	898	848	808	781	769	769
13000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	198.8	203.1	213.7	230.2	248.5	268.9	291.7	317.1	359.1
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	50.4	51.4	53.8	57.6	61.7	65.8	69.2	73.6	80.0
	FF	KG/H/ENG	506	494	470	439	414	393	378	371	372
	FC	KG/H	1012	989	940	878	827	786	757	742	743
12000	IAS	KT	200	200	200	200	200	200	200	200	200
	TAS	KT	198.6	202.9	213.5	230.0	248.3	268.7	291.4	316.8	358.8
	MACH		0.302	0.311	0.331	0.363	0.399	0.440	0.487	0.541	0.630
	N1	%	49.7	50.6	53.0	56.8	60.8	64.9	68.4	72.5	79.2
	FF	KG/H/ENG	497	486	461	430	404	383	367	359	360
	FC	KG/H	994	971	922	860	808	766	734	717	720

NOTE: MACH setting and FF KG/H/ENG remain constant, regardless of the temperature change.