

GTCP 331-500[8] PERFORMANCE DATA SHEET

NOTIFICATION NUMBER		330005518		SERVICE ORDER :		5011527375	
APU MODEL		GTCP331-500(BI)		PART NUMBER :		3800550-1	
OPERATION TEXT		LAB TEST		MANUAL		EM 49-26-57	
OPERATION NO		0220		REVISION		20	
QUANTITY		UNITS		NO LOAD		103°F ECS MODE	
103°F MES MODE							
BAROMETRIC PRESSURE		PSIA		14.59		14.59	
FUEL INLET PRESSURE		PSIG		25.5		20.8	
OIL PUMP DISCHARGE PRESSURE		PSIG		64.6		63.5	
OIL PUMP DISCHARGE TEMPERATURE		°F		160		163	
GEARBOX PRESSURE		PSIA		14.96		14.89	
COMPRESSOR INLET TEMPERATURE		MEASURED °F		96.5		99.2	
APU INLET TEMPERATURE (T2) (ARINC)		°F		101.5		103.7	
TURBINE DISCHARGE TEMPERATURE (UNIT RAKES)		UPPER (EGT 1) °F		717.4		1063.9	
		LOWER (EGT 2) °F		725.3		1076.7	
EXHAUST GAS TOTAL TEMPERATURE (LA)		MEASURED °F		739.3		1075.6	
		CORRECTED °F		1100.6		1103.4	
ORIFICE INLET AIR PRESSURE		"Hg				75.6	
ORIFICE INLET TEMPERATURE		°F				410.5	
ORIFICE DELTA PRESSURE						59.92	
IGV POSITION" (IGVPOS)		DEGREES				12.5	
IGV PERFORMANCE ADJ (IGVPERADJ)		DEGREES				5.0	
BLEED AIRFLOW		ACTUAL LBS/MIN				474.86	
		CORRECTED LBS/MIN				470.8	
RESTRICTED AIRFLOW (DISC. CORR. FLOW)		LBS/MIN				166.88	
BLEED AIR TOTAL PRESSURE		INDICATED PSIA				54.5	
		CORRECTED PSIA				54.2	
BLEED AIR TOTAL TEMPERATURE		INDICATED °F				420.7	
		CORRECTED °F				424.6	
UNIT VIBRATION		ACCESSORY IN/SEC		0.23		0.14	
		TURBINE IN/SEC		0.34		0.36	
TURBINE WHEEL SPEED		RPM		39041		39041	
SHAFT LOAD		APPLIED SHP				179.3	
		CORRECTED SHP				180.7	
FUEL CONSUMPTION		INDICATED LBS/HR		336.8		626	
		CORRECTED LBS/HR				628.00	

TEST TECHNICIAN

DATE

FORM 331-500B-T-04 R19
(DOMMY 131016)

Stamp & Sign

16-Oct-2017

QUALITY CONTROL

DATE

Stamp & Sign

12 OCT 2017