

Turbo Cooling Tests: Water Cooled System, Red One

Time After Shutdown	1. System Configuration 1: Pump + Fan, Cowling On			2. System Configuration 1: Pump Only, NO FAN, Cowling On			3. System Configuration 2: Pump + Fan AUTO, Cowling Off (after run)			4. System Configuration 2: Pump + Fan (manual), Cowling On			5. System Configuration 3: Pump + Fan AUTO, Cowling On (4" dia. vents installed)		
	Turbine	Bearing	Ambient	Turbine	Bearing	Ambient	Turbine	Bearing	Ambient	Turbine	Bearing	Ambient	Turbine	Bearing	Ambient
At shutdown	-0.5														
Shutdown +0	700	235	150	750	300		600	191		787	279		760	211	
Shutdown +1	725	196	150	758	216		594	196		724	212	166	745	202	164
Shutdown +2	722	202	150	745	220	170	576	178		704	214	164	715	203	164
Shutdown +3	704	245	150	716	223		563	164		689	211		689	209	162
Shutdown +4	670	203	150	700	225	175	554	153		679	214		644	203	160
Shutdown +5	643	189	150	680	229		535	151		670	212	164	623	203	158
Shutdown +6	619	184	150	657	234		513	151		646	214		601	196	157
Shutdown +7	603	187	150	639	234		497	142		625	205		574	193	155
Shutdown +8	583	180	150	614	234		484	140		607	211		560	191	151
Shutdown +9	560	180	150	571	232		464	140		592	203		549	191	155
Shutdown +10	542	176	150	551	214		450	140		567	200	164	535	191	155
Shutdown +11	520	173	150	526	203		436	135		549	200		509	189	151
Shutdown +12	500	170	150	520	202		414	133		536	196		497	180	149
Shutdown +13	497	191	150	497	207		403	139		520	191		482	184	148
Shutdown +14	484	212	150	470	240		392	137		502	189		463	180	151
Shutdown +15	470	221	150	457	241		382	149		497	207		450	175	148
Shutdown +16	461	232	150	441	216		369	160		482	229		428	176	144
Shutdown +17	450	232	150	419	200		353	151		473	230	170	414	173	142
Shutdown +18	436	234	150	416	191		344	126		445	198		398	167	140
Shutdown +19	425	234	150	410	196					432	191		380	166	140
Shutdown +20	416	232	150	400	207					416	182		369	157	139
Shutdown +21										412	180	155			
Shutdown +22										400	176				
Shutdown +23										391	169				
Shutdown +24										373	167				
Shutdown +25										365	167				
Shutdown +26										355	162	144			
Shutdown +27										344	155				
Shutdown +28															
Shutdown +29															
Shutdown +30										324	153	135			

- Top Cowl Removed During Cool-Down
- Fan On - NO PUMP (manually switched)
- Fan + Pump On (manually switched)
- Fan + Pump Off (manually switched)
- Pump On - NO FAN (manually switched)
- Fan + Pump AUTO On
- Fan + Pump AUTO Off

