

Separate Circuit Cooling System **3612 @ 1000 rpm Distillate Fuel**

Power	Heat Rejection (kW)				Flows (L/min)				Delta T (°C)				Temperatures (°C)							
(bkW)	H3	H4	H5	H1	Q3	Q4	Q5	Q1	t3	t4	t5	t1	T0	T1	T7	T3	T4	T5	T6	
Standard Conditions																				
4480	870	447	1106	1554	2920	900	830	1730	4.3	7.2	19.4	13.1	25	50	90	94.3	57.2	69.4	63.1	
4060	804	425	885	1310	2920	900	830	1730	4.0	6.9	15.5	11.0	25	50	90	94.0	56.9	65.5	61.0	
3700	751	408	714	1122	2920	900	830	1730	3.7	6.6	12.5	9.4	25	50	90	93.7	56.6	62.5	59.4	
3360	702	391	570	961	2920	900	830	1730	3.5	6.3	10.0	8.1	25	50	90	93.5	56.3	60.0	58.1	
4600	890	454	1174	1628	2920	900	830	1730	4.4	7.3	20.6	13.7	25	50	90	94.4	57.3	70.6	63.7	
4400	857	443	1062	1505	2920	900	830	1730	4.3	7.2	18.6	12.7	25	50	90	94.3	57.2	68.6	62.7	
4200	826	433	956	1388	2920	900	830	1730	4.1	7.0	16.8	11.7	25	50	90	94.1	57.0	66.8	61.7	
4000	795	422	855	1277	2920	900	830	1730	4.0	6.8	15.0	10.8	25	50	90	94.0	56.8	65.0	60.8	
3800	766	412	760	1172	2920	900	830	1730	3.8	6.7	13.3	9.9	25	50	90	93.8	56.7	63.3	59.9	
3600	737	403	670	1073	2920	900	830	1730	3.7	6.5	11.8	9.0	25	50	90	93.7	56.5	61.8	59.0	
3400	708	393	586	979	2920	900	830	1730	3.5	6.4	10.3	8.2	25	50	90	93.5	56.4	60.3	58.2	
3200	680	384	507	891	2920	900	830	1730	3.4	6.2	8.9	7.5	25	50	90	93.4	56.2	58.9	57.5	
3000	652	374	434	809	2920	900	830	1730	3.2	6.1	7.6	6.8	25	50	90	93.2	56.1	57.6	56.8	
2000	509	325	150	475	2920	900	830	1730	2.5	5.3	2.6	4.0	25	50	90	92.5	55.3	52.6	54.0	
1000	347	267	-2	265	2920	900	830	1730	1.7	4.3	0.0	2.2	25	50	90	91.7	54.3	50.0	52.2	
0	149	191	-25	166	2920	900	830	1730	0.7	3.1	-0.4	1.4	25	50	90	90.7	53.1	49.6	51.4	
High Ambient Conditions																				
4480	870	447	1272	1719	2920	900	830	1730	4.3	7.2	22.3	14.5	55	65	90	94.3	72.2	87.3	79.5	
4060	804	425	1015	1440	2920	900	830	1730	4.0	6.9	17.8	12.1	55	65	90	94.0	71.9	82.8	77.1	
3700	751	408	820	1228	2920	900	830	1730	3.7	6.6	14.4	10.3	55	65	90	93.7	71.6	79.4	75.3	
3360	702	391	657	1048	2920	900	830	1730	3.5	6.3	11.5	8.8	55	65	90	93.5	71.3	76.5	73.8	
4600	890	454	1352	1806	2920	900	830	1730	4.4	7.3	23.7	15.2	55	65	90	94.4	72.3	88.7	80.2	
4200	826	433	1097	1530	2920	900	830	1730	4.1	7.0	19.3	12.9	55	65	90	94.1	72.0	84.3	77.9	
3800	766	412	872	1284	2920	900	830	1730	3.8	6.7	15.3	10.8	55	65	90	93.8	71.7	80.3	75.8	
3400	708	393	675	1068	2920	900	830	1730	3.5	6.4	11.8	9.0	55	65	90	93.5	71.4	76.8	74.0	
3000	652	374	505	879	2920	900	830	1730	3.2	6.1	8.9	7.4	55	65	90	93.2	71.1	73.9	72.4	
2600	595	355	361	716	2920	900	830	1730	3.0	5.8	6.3	6.0	55	65	90	93.0	70.8	71.3	71.0	
2200	538	336	242	578	2920	900	830	1730	2.7	5.4	4.2	4.9	55	65	90	92.7	70.4	69.2	69.9	

Heat rejection and temperature data based on treated water without glycol.
Ratings must meet altitude/ambient acceptance criteria, (see TMI).