



Ведомость учета отпуска тепловой энергии за период с 01.01.2021 по 31.12.2021



Потребитель: **МУП "ПЖРТ"**
Объект: **ул. Горняков, д. 29**

Система отопления: двухтрубная зависимая	Эльф-03	84463412	29.08.2025
Расчетная формула тепловой энергии:	Карат-РС	77550412	29.07.2023
$Q = G^2 \times (T^1 - T^2) / 1000$, Гкал	Карат-РС	77520412	05.07.2023
Gmax= 27,1 тн/час	КТПТР-01	4815	16.11.2024
Gот= 17,2 тн/час			
Gгвс= 9,9 тн/час			

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
01.01.2021	74,15	49,39	24,76	256,963	268,698	-11,735	6,0	4,0	6,373	24,00	0,00
02.01.2021	74,56	49,24	25,32	257,016	269,676	-12,660	6,0	4,0	6,519	24,00	0,00
03.01.2021	72,93	48,44	24,49	254,887	267,655	-12,769	6,0	4,0	6,254	24,00	0,00
04.01.2021	71,16	47,52	23,63	255,235	267,971	-12,736	6,0	4,0	6,042	24,00	0,00
05.01.2021	71,78	47,44	24,35	255,551	267,863	-12,313	6,0	4,0	6,232	24,00	0,00
06.01.2021	73,14	47,76	25,38	256,973	268,557	-11,584	6,0	4,0	6,533	24,00	0,00
07.01.2021	73,97	47,54	26,44	255,301	266,644	-11,342	6,0	4,0	6,761	24,00	0,00
08.01.2021	72,49	47,71	24,78	255,883	267,525	-11,642	6,0	4,0	6,352	24,00	0,00
09.01.2021	70,54	47,37	23,17	258,546	269,237	-10,691	6,0	4,0	6,001	24,00	0,00
10.01.2021	72,81	48,05	24,76	257,297	268,245	-10,947	6,0	4,0	6,381	24,00	0,00
11.01.2021	73,99	48,90	25,09	260,444	271,211	-10,766	6,0	4,0	6,546	24,00	0,00
12.01.2021	76,62	49,71	26,91	256,094	268,322	-12,228	6,0	4,0	6,905	24,00	0,00
13.01.2021	81,24	52,19	29,05	259,874	270,986	-11,111	6,0	4,0	7,565	24,00	0,00
14.01.2021	83,04	53,52	29,52	261,304	272,490	-11,187	6,0	4,0	7,729	24,00	0,00
15.01.2021	75,05	49,15	25,90	253,419	264,048	-10,629	6,0	4,0	6,576	24,00	0,00
16.01.2021	68,81	46,04	22,78	254,391	266,562	-12,170	6,0	4,0	5,804	24,00	0,00
17.01.2021	67,25	45,39	21,86	255,118	266,693	-11,575	6,0	4,0	5,587	24,00	0,00
18.01.2021	70,05	46,73	23,33	254,110	265,908	-11,798	6,0	4,0	5,938	24,00	0,00
19.01.2021	72,29	47,40	24,90	251,381	263,166	-11,785	6,0	4,0	6,269	24,00	0,00
20.01.2021	70,37	46,51	23,86	251,462	263,990	-12,528	6,0	4,0	6,009	24,00	0,00
21.01.2021	72,40	47,14	25,26	256,153	267,572	-11,419	6,0	4,0	6,480	24,00	0,00
22.01.2021	75,82	49,33	26,49	263,721	275,714	-11,994	6,0	4,0	6,998	24,00	0,00
23.01.2021	80,23	51,76	28,47	260,508	272,285	-11,777	6,0	4,0	7,430	24,00	0,00
24.01.2021	79,34	50,62	28,72	256,346	268,347	-12,002	6,0	4,0	7,376	24,00	0,00
25.01.2021	70,85	47,28	23,57	256,709	268,714	-12,004	6,0	4,0	6,062	24,00	0,00
26.01.2021	67,43	47,30	20,14	288,185	298,257	-10,071	6,0	4,0	5,813	24,00	0,00
27.01.2021	67,53	47,95	19,58	289,639	299,616	-9,977	6,0	4,0	5,682	24,00	0,00
28.01.2021	67,13	47,80	19,33	289,263	299,171	-9,907	6,0	4,0	5,603	24,00	0,00
29.01.2021	67,50	47,95	19,55	277,309	287,764	-10,455	6,0	4,0	5,431	24,00	0,00
30.01.2021	66,60	45,66	20,94	253,498	264,989	-11,491	6,0	4,0	5,318	24,00	0,00
31.01.2021	67,30	46,98	20,32	266,360	277,487	-11,126	6,0	4,0	5,422	24,00	0,00
01.02.2021	67,32	47,15	20,17	269,561	280,505	-10,944	6,0	4,0	5,448	24,00	0,00
02.02.2021	67,39	47,97	19,42	277,376	287,664	-10,288	6,0	4,0	5,398	24,00	0,00
03.02.2021	66,88	46,60	20,27	260,307	271,167	-10,860	6,0	4,0	5,287	24,00	0,00
04.02.2021	67,15	46,13	21,02	249,951	260,994	-11,042	6,0	4,0	5,262	24,00	0,00
05.02.2021	66,57	47,14	19,43	270,794	280,733	-9,939	6,0	4,0	5,272	24,00	0,00
06.02.2021	67,28	48,77	18,51	288,708	298,032	-9,323	6,0	4,0	5,356	24,00	0,00
07.02.2021	67,58	46,87	20,71	254,428	265,571	-11,144	6,0	4,0	5,278	24,00	0,00
08.02.2021	73,92	48,54	25,38	240,148	251,441	-11,293	6,0	4,0	6,106	24,00	0,00
09.02.2021	80,06	51,36	28,70	244,224	256,164	-11,940	6,0	4,0	7,023	24,00	0,00
10.02.2021	82,43	52,91	29,52	247,739	259,312	-11,573	6,0	4,0	7,328	24,00	0,00
11.02.2021	80,84	51,90	28,94	244,995	256,839	-11,843	6,0	4,0	7,105	24,00	0,00
12.02.2021	75,91	49,05	26,86	242,768	255,417	-12,649	6,0	4,0	6,533	24,00	0,00
13.02.2021	70,94	46,84	24,10	245,473	257,439	-11,966	6,0	4,0	5,927	24,00	0,00
14.02.2021	66,91	45,39	21,52	252,112	263,009	-10,897	6,0	4,0	5,433	24,00	0,00
15.02.2021	67,37	45,11	22,26	245,670	256,492	-10,822	6,0	4,0	5,478	24,00	0,00
16.02.2021	71,45	46,87	24,58	243,836	253,735	-9,898	6,0	4,0	6,003	24,00	0,00
17.02.2021	75,93	49,71	26,22	251,273	260,739	-9,467	6,0	4,0	6,600	24,00	0,00
18.02.2021	76,33	49,64	26,69	248,618	258,433	-9,815	6,0	4,0	6,649	24,00	0,00
19.02.2021	76,55	49,53	27,02	245,711	256,093	-10,382	6,0	4,0	6,652	24,00	0,00
20.02.2021	77,37	50,22	27,15	248,204	258,296	-10,092	6,0	4,0	6,751	24,00	0,00
21.02.2021	76,10	49,44	26,66	247,124	257,527	-10,403	6,0	4,0	6,600	24,00	0,00
22.02.2021	76,41	49,42	26,99	246,239	256,452	-10,212	6,0	4,0	6,659	24,00	0,00
23.02.2021	81,93	51,40	30,53	243,425	252,712	-9,287	6,0	4,0	7,446	24,00	0,00
24.02.2021	82,64	51,54	31,10	244,330	253,198	-8,869	6,0	4,0	7,613	23,98	0,02
25.02.2021	81,71	51,41	30,30	243,392	252,277	-8,885	6,0	4,0	7,389	24,00	0,00
26.02.2021	79,93	50,96	28,97	243,156	252,408	-9,252	6,0	4,0	7,057	24,00	0,00
27.02.2021	76,50	48,99	27,51	240,508	250,885	-10,377	6,0	4,0	6,627	24,00	0,00
28.02.2021	75,42	48,91	26,51	242,520	253,010	-10,490	6,0	4,0	6,440	24,00	0,00
01.03.2021	72,72	47,71	25,01	244,951	255,729	-10,777	6,0	4,0	6,136	24,00	0,00
02.03.2021	69,74	46,04	23,69	241,041	251,014	-9,973	6,0	4,0	5,720	24,00	0,00

Дата	Температура (°С)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _n	штатное	нештат.
03.03.2021	67,32	46,48	20,84	262,586	270,698	-8,112	6,0	4,0	5,483	24,00	0,00
04.03.2021	67,59	47,79	19,80	278,010	285,401	-7,391	6,0	4,0	5,515	24,00	0,00
05.03.2021	67,32	47,64	19,69	275,261	282,947	-7,686	6,0	4,0	5,429	24,00	0,00
06.03.2021	67,65	46,39	21,26	251,536	260,312	-8,776	6,0	4,0	5,357	24,00	0,00
07.03.2021	67,83	45,96	21,88	241,287	250,677	-9,390	6,0	4,0	5,287	24,00	0,00
08.03.2021	67,50	45,42	22,08	239,981	249,447	-9,466	6,0	4,0	5,308	24,00	0,00
09.03.2021	67,05	46,10	20,96	250,397	259,534	-9,137	6,0	4,0	5,257	24,00	0,00
10.03.2021	66,83	45,61	21,21	244,814	254,268	-9,454	6,0	4,0	5,202	24,00	0,00
11.03.2021	68,55	46,04	22,51	239,965	249,876	-9,911	6,0	4,0	5,410	24,00	0,00
12.03.2021	69,17	46,07	23,09	238,245	248,219	-9,974	6,0	4,0	5,511	24,00	0,00
13.03.2021	66,68	44,96	21,71	240,279	249,584	-9,305	6,0	4,0	5,226	24,00	0,00
14.03.2021	66,66	45,19	21,47	242,035	251,323	-9,288	6,0	4,0	5,206	24,00	0,00
15.03.2021	67,63	46,84	20,79	259,728	268,655	-8,927	6,0	4,0	5,409	24,00	0,00
16.03.2021	65,33	46,04	19,29	260,819	269,799	-8,979	6,0	4,0	5,040	24,00	0,00
17.03.2021	65,30	46,80	18,50	277,174	285,359	-8,184	6,0	4,0	5,139	24,00	0,00
18.03.2021	65,30	47,20	18,10	278,841	287,010	-8,169	6,0	4,0	5,057	24,00	0,00
19.03.2021	65,16	47,08	18,08	277,961	286,294	-8,332	6,0	4,0	5,037	24,00	0,00
20.03.2021	65,20	47,32	17,88	277,394	286,044	-8,649	6,0	4,0	4,971	24,00	0,00
21.03.2021	65,52	47,11	18,40	274,649	283,615	-8,966	6,0	4,0	5,064	24,00	0,00
22.03.2021	65,98	47,20	18,78	269,068	278,846	-9,778	6,0	4,0	5,064	24,00	0,00
23.03.2021	65,86	47,50	18,36	270,990	280,740	-9,750	6,0	4,0	4,986	24,00	0,00
24.03.2021	65,14	47,91	17,23	288,332	295,981	-7,649	6,0	4,0	4,979	24,00	0,00
25.03.2021	65,17	48,08	17,09	293,015	300,625	-7,610	6,0	4,0	5,017	24,00	0,00
26.03.2021	65,93	49,45	16,48	302,603	309,572	-6,969	6,0	4,0	4,997	24,00	0,00
27.03.2021	65,13	49,01	16,12	302,367	309,259	-6,892	6,0	4,0	4,886	24,00	0,00
28.03.2021	64,86	47,98	16,88	289,407	297,050	-7,643	6,0	4,0	4,897	24,00	0,00
29.03.2021	65,65	48,85	16,80	294,907	302,420	-7,513	6,0	4,0	4,966	24,00	0,00
30.03.2021	65,25	48,44	16,81	294,637	302,406	-7,768	6,0	4,0	4,965	24,00	0,00
31.03.2021	65,22	48,87	16,35	305,223	312,215	-6,992	6,0	4,0	5,002	24,00	0,00
01.04.2021	65,33	49,19	16,14	307,402	314,356	-6,953	6,0	4,0	4,974	24,00	0,00
02.04.2021	64,48	48,80	15,67	308,657	315,548	-6,891	6,0	4,0	4,849	24,00	0,00
03.04.2021	64,84	49,35	15,49	311,281	318,424	-7,143	6,0	4,0	4,833	24,00	0,00
04.04.2021	64,12	48,81	15,31	306,882	314,459	-7,578	6,0	4,0	4,711	24,00	0,00
05.04.2021	64,37	48,64	15,72	305,585	313,058	-7,473	6,0	4,0	4,817	24,00	0,00
06.04.2021	61,09	45,72	15,38	270,271	278,084	-7,814	6,0	4,0	4,165	22,28	1,72
07.04.2021	61,58	45,68	15,90	256,963	264,533	-7,570	6,0	4,0	4,094	21,40	2,60
08.04.2021	65,08	48,31	16,77	292,164	300,664	-8,500	6,0	4,0	4,911	24,00	0,00
09.04.2021	63,44	47,37	16,06	288,906	297,277	-8,371	6,0	4,0	4,651	24,00	0,00
10.04.2021	62,49	47,56	14,93	297,894	305,553	-7,659	6,0	4,0	4,458	24,00	0,00
11.04.2021	60,38	46,47	13,91	293,942	301,512	-7,570	6,0	4,0	4,098	23,58	0,42
12.04.2021	57,15	44,82	12,33	247,993	254,417	-6,424	6,0	4,0	3,065	20,30	3,70
13.04.2021	40,99	32,68	8,31	103,092	105,590	-2,498	6,0	4,0	0,860	8,38	15,62
14.04.2021	61,44	47,28	14,16	311,801	318,642	-6,841	6,0	4,0	4,427	24,00	0,00
15.04.2021	62,28	47,33	14,95	287,200	295,858	-8,658	6,0	4,0	4,304	24,00	0,00
16.04.2021	61,28	46,68	14,59	286,893	295,854	-8,961	6,0	4,0	4,197	24,00	0,00
17.04.2021	61,16	46,22	14,93	280,286	289,180	-8,894	6,0	4,0	4,195	24,00	0,00
18.04.2021	61,22	45,58	15,64	270,703	279,950	-9,247	6,0	4,0	4,243	24,00	0,00
19.04.2021	61,89	45,08	16,82	254,875	264,205	-9,330	6,0	4,0	4,295	24,00	0,00
20.04.2021	61,66	45,40	16,26	264,322	273,526	-9,204	6,0	4,0	4,307	24,00	0,00
21.04.2021	61,68	45,96	15,72	269,546	278,689	-9,142	6,0	4,0	4,248	24,00	0,00
22.04.2021	61,15	45,83	15,32	268,572	278,169	-9,598	6,0	4,0	4,124	24,00	0,00
23.04.2021	60,50	45,80	14,70	276,402	286,054	-9,652	6,0	4,0	4,073	24,00	0,00
24.04.2021	59,57	45,39	14,18	278,415	287,440	-9,024	6,0	4,0	3,958	24,00	0,00
25.04.2021	60,75	46,13	14,62	278,568	287,587	-9,020	6,0	4,0	4,082	24,00	0,00
26.04.2021	60,61	45,76	14,85	278,460	287,436	-8,976	6,0	4,0	4,144	24,00	0,00
27.04.2021	60,62	45,58	15,05	268,654	278,337	-9,683	6,0	4,0	4,051	24,00	0,00
28.04.2021	59,40	44,19	15,21	252,073	262,280	-10,207	6,0	4,0	3,843	24,00	0,00
29.04.2021	60,50	43,62	16,88	233,111	244,197	-11,086	6,0	4,0	3,943	24,00	0,00
30.04.2021	60,64	44,30	16,34	242,519	252,884	-10,365	6,0	4,0	3,971	24,00	0,00
01.05.2021	59,55	43,81	15,74	247,467	257,960	-10,493	6,0	4,0	3,902	24,00	0,00
02.05.2021	60,14	45,18	14,95	257,687	268,184	-10,497	6,0	4,0	3,862	24,00	0,00
03.05.2021	59,47	44,52	14,95	255,564	265,583	-10,019	6,0	4,0	3,829	24,00	0,00
04.05.2021	60,23	45,71	14,53	260,558	270,591	-10,033	6,0	4,0	3,795	24,00	0,00
05.05.2021	59,63	46,11	13,52	269,063	278,749	-9,686	6,0	4,0	3,647	24,00	0,00
06.05.2021	59,40	45,17	14,23	266,378	276,584	-10,206	6,0	4,0	3,799	24,00	0,00
07.05.2021	59,42	45,30	14,12	262,233	272,737	-10,504	6,0	4,0	3,712	24,00	0,00
08.05.2021	60,15	46,29	13,86	266,786	276,818	-10,032	6,0	4,0	3,708	24,00	0,00
09.05.2021	59,67	46,18	13,49	271,211	281,285	-10,074	6,0	4,0	3,669	24,00	0,00
10.05.2021	58,47	45,60	12,86	273,290	282,661	-9,371	6,0	4,0	3,525	24,00	0,00
11.05.2021	63,00	49,82	13,18	231,629	240,119	-8,490	6,0	4,0	3,062	24,00	0,00
12.05.2021	64,87	54,81	10,07	116,805	125,060	-8,255	6,0	4,0	1,180	23,70	0,30
13.05.2021	63,40	54,19	9,20	119,795	128,027	-8,232	6,0	4,0	1,107	24,00	0,00
14.05.2021	66,32	56,76	9,56	122,854	131,637	-8,783	6,0	4,0	1,179	24,00	0,00
15.05.2021	64,09	55,06	9,03	123,488	132,310	-8,822	6,0	4,0	1,119	24,00	0,00

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	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _n	штатное	нештат.
16.05.2021	62,85	54,22	8,63	123,669	131,970	-8,301	6,0	4,0	1,072	24,00	0,00
17.05.2021	64,29	54,99	9,31	120,355	128,697	-8,342	6,0	4,0	1,125	24,00	0,00
18.05.2021	61,05	52,36	8,68	118,709	126,994	-8,285	6,0	4,0	1,035	24,00	0,00
19.05.2021	59,89	50,96	8,93	118,054	126,338	-8,284	6,0	4,0	1,059	23,98	0,02
20.05.2021	60,39	51,64	8,75	117,600	125,952	-8,352	6,0	4,0	1,033	24,00	0,00
21.05.2021	59,82	51,22	8,59	117,871	125,947	-8,075	6,0	4,0	1,017	24,00	0,00
22.05.2021	61,56	52,26	9,30	117,920	126,290	-8,370	6,0	4,0	1,101	24,00	0,00
23.05.2021	60,51	51,50	9,02	118,064	126,276	-8,212	6,0	4,0	1,069	24,00	0,00
24.05.2021	60,45	51,61	8,84	118,579	126,783	-8,204	6,0	4,0	1,053	24,00	0,00
25.05.2021	59,78	51,08	8,70	118,168	126,231	-8,063	6,0	4,0	1,033	24,00	0,00
26.05.2021	59,63	51,10	8,53	118,433	126,645	-8,212	6,0	4,0	1,015	24,00	0,00
27.05.2021	59,75	51,13	8,61	118,062	126,535	-8,472	6,0	4,0	1,022	24,00	0,00
28.05.2021	60,35	51,16	9,19	118,674	126,908	-8,234	6,0	4,0	1,095	24,00	0,00
29.05.2021	60,53	51,43	9,10	118,830	127,307	-8,477	6,0	4,0	1,086	24,00	0,00
30.05.2021	60,30	51,52	8,78	119,050	127,321	-8,271	6,0	4,0	1,050	24,00	0,00
31.05.2021	59,21	50,40	8,81	118,292	126,933	-8,641	6,0	4,0	1,047	24,00	0,00
01.06.2021	60,06	51,35	8,72	127,777	136,499	-8,722	6,0	4,0	1,119	24,00	0,00
02.06.2021	59,64	51,10	8,55	134,228	143,044	-8,816	6,0	4,0	1,152	24,00	0,00
03.06.2021	59,75	51,33	8,41	133,867	142,534	-8,667	6,0	4,0	1,132	24,00	0,00
04.06.2021	59,34	51,18	8,16	132,409	141,102	-8,693	6,0	4,0	1,086	24,00	0,00
05.06.2021	59,76	51,41	8,35	132,321	141,186	-8,864	6,0	4,0	1,110	24,00	0,00
06.06.2021	59,80	51,53	8,27	132,407	141,256	-8,849	6,0	4,0	1,100	24,00	0,00
07.06.2021	59,56	51,85	7,71	132,512	141,216	-8,703	6,0	4,0	1,027	24,00	0,00
08.06.2021	59,22	51,00	8,22	132,417	141,183	-8,765	6,0	4,0	1,094	24,00	0,00
09.06.2021	59,71	51,19	8,52	132,157	141,012	-8,855	6,0	4,0	1,131	24,00	0,00
10.06.2021	59,57	51,19	8,38	132,334	141,062	-8,727	6,0	4,0	1,114	24,00	0,00
11.06.2021	59,59	51,21	8,38	135,010	143,807	-8,797	6,0	4,0	1,137	24,00	0,00
12.06.2021	60,31	51,92	8,39	138,341	147,215	-8,873	6,0	4,0	1,166	24,00	0,00
13.06.2021	60,09	51,89	8,21	138,957	147,780	-8,822	6,0	4,0	1,146	24,00	0,00
14.06.2021	59,33	50,93	8,41	142,200	150,968	-8,768	6,0	4,0	1,201	24,00	0,00
15.06.2021	51,04	47,11	3,93	29,715	31,585	-1,871	6,0	4,0	0,118	5,02	18,98
16.06.2021	24,93	23,77	1,15	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
17.06.2021	22,87	24,32	-1,45	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
18.06.2021	20,64	21,22	-0,58	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
19.06.2021	19,43	19,70	-0,26	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
20.06.2021	19,29	19,38	-0,09	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
21.06.2021	18,25	18,37	-0,12	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
22.06.2021	18,81	18,83	-0,02	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
23.06.2021	18,88	18,90	-0,01	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
24.06.2021	-	-	-	-	-	-	-	-	-	-	-
25.06.2021	18,87	18,86	0,02	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
26.06.2021	19,16	19,11	0,04	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
27.06.2021	19,29	19,24	0,05	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
28.06.2021	19,09	19,09	-0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
29.06.2021	48,60	42,39	6,21	68,613	71,654	-3,041	6,0	4,0	0,428	8,35	15,65
30.06.2021	57,54	51,12	6,42	176,738	189,070	-12,332	6,0	4,0	1,142	24,00	0,00
01.07.2021	58,97	53,00	5,97	168,185	181,906	-13,721	6,0	4,0	1,010	24,00	0,00
02.07.2021	58,99	53,01	5,98	168,390	182,329	-13,939	6,0	4,0	1,013	24,00	0,00
03.07.2021	60,04	53,77	6,27	167,295	181,108	-13,814	6,0	4,0	1,055	24,00	0,00
04.07.2021	57,68	51,55	6,13	151,076	165,213	-14,137	6,0	4,0	0,932	21,92	2,08
05.07.2021	59,71	53,34	6,37	167,264	181,758	-14,493	6,0	4,0	1,072	24,00	0,00
06.07.2021	59,79	53,42	6,37	167,907	184,475	-16,568	6,0	4,0	1,077	24,00	0,00
07.07.2021	59,93	53,41	6,52	165,181	181,436	-16,255	6,0	4,0	1,083	24,00	0,00
08.07.2021	58,51	52,21	6,30	164,849	181,372	-16,523	6,0	4,0	1,045	24,00	0,00
09.07.2021	59,53	53,11	6,43	164,841	181,956	-17,115	6,0	4,0	1,066	24,00	0,00
10.07.2021	59,90	53,44	6,46	164,740	181,966	-17,226	6,0	4,0	1,071	24,00	0,00
11.07.2021	59,96	53,55	6,41	165,188	182,283	-17,095	6,0	4,0	1,066	24,00	0,00
12.07.2021	59,57	53,14	6,43	165,635	182,664	-17,029	6,0	4,0	1,072	24,00	0,00
13.07.2021	51,73	47,63	4,10	55,312	60,921	-5,609	6,0	4,0	0,229	7,98	16,02
14.07.2021	41,46	37,08	4,38	105,563	114,203	-8,640	6,0	4,0	0,466	15,45	8,55
15.07.2021	58,92	52,10	6,81	165,730	182,754	-17,024	6,0	4,0	1,135	24,00	0,00
16.07.2021	60,46	53,66	6,81	165,882	183,427	-17,545	6,0	4,0	1,136	24,00	0,00
17.07.2021	61,09	54,34	6,75	165,227	181,098	-15,871	6,0	4,0	1,121	24,00	0,00
18.07.2021	60,72	53,91	6,80	164,788	181,056	-16,269	6,0	4,0	1,127	24,00	0,00
19.07.2021	60,82	52,82	7,99	165,094	181,438	-16,344	6,0	4,0	1,326	24,00	0,00
20.07.2021	60,11	53,40	6,71	165,961	182,572	-16,611	6,0	4,0	1,121	24,00	0,00
21.07.2021	60,09	53,62	6,47	164,911	181,901	-16,990	6,0	4,0	1,073	24,00	0,00
22.07.2021	60,33	54,02	6,31	165,490	182,310	-16,820	6,0	4,0	1,050	24,00	0,00
23.07.2021	60,01	53,32	6,69	165,635	182,539	-16,904	6,0	4,0	1,115	24,00	0,00
24.07.2021	61,18	54,44	6,74	164,393	181,631	-17,238	6,0	4,0	1,115	24,00	0,00
25.07.2021	60,93	54,41	6,53	164,218	181,753	-17,534	6,0	4,0	1,078	24,00	0,00
26.07.2021	60,46	53,94	6,51	164,122	181,725	-17,603	6,0	4,0	1,076	24,00	0,00
27.07.2021	59,94	53,02	6,91	163,380	179,624	-16,243	6,0	4,0	1,136	24,00	0,00
28.07.2021	59,47	52,44	7,02	162,614	179,466	-16,853	6,0	4,0	1,148	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _n	штатное	нештат.
29.07.2021	60,40	53,66	6,73	162,525	180,931	-18,406	6,0	4,0	1,101	24,00	0,00
30.07.2021	61,07	54,15	6,92	162,732	181,115	-18,383	6,0	4,0	1,133	24,00	0,00
31.07.2021	60,44	53,45	6,99	162,433	180,811	-18,378	6,0	4,0	1,142	24,00	0,00
01.08.2021	60,36	53,80	6,56	162,498	181,273	-18,775	6,0	4,0	1,073	24,00	0,00
02.08.2021	60,43	53,58	6,85	163,623	182,368	-18,745	6,0	4,0	1,127	24,00	0,00
03.08.2021	61,31	54,41	6,90	164,372	183,202	-18,830	6,0	4,0	1,141	24,00	0,00
04.08.2021	60,79	54,25	6,54	164,683	183,769	-19,086	6,0	4,0	1,083	24,00	0,00
05.08.2021	61,58	54,84	6,74	165,056	184,446	-19,390	6,0	4,0	1,119	24,00	0,00
06.08.2021	60,41	53,67	6,74	164,903	184,452	-19,549	6,0	4,0	1,117	24,00	0,00
07.08.2021	60,94	54,35	6,59	165,624	185,407	-19,784	6,0	4,0	1,097	24,00	0,00
08.08.2021	60,98	54,27	6,71	165,669	185,710	-20,041	6,0	4,0	1,119	24,00	0,00
09.08.2021	60,15	53,39	6,75	166,204	186,697	-20,493	6,0	4,0	1,129	24,00	0,00
10.08.2021	60,37	53,79	6,59	166,243	186,750	-20,507	6,0	4,0	1,101	24,00	0,00
11.08.2021	60,97	54,07	6,90	166,476	186,991	-20,515	6,0	4,0	1,155	24,00	0,00
12.08.2021	61,04	54,10	6,93	166,844	187,362	-20,519	6,0	4,0	1,163	24,00	0,00
13.08.2021	60,68	53,08	7,60	166,491	186,024	-19,533	6,0	4,0	1,272	24,00	0,00
14.08.2021	60,76	54,12	6,64	166,269	183,544	-17,275	6,0	4,0	1,110	24,00	0,00
15.08.2021	61,37	54,55	6,82	166,480	183,377	-16,898	6,0	4,0	1,142	24,00	0,00
16.08.2021	61,00	53,46	7,54	144,482	161,433	-16,951	6,0	4,0	1,095	24,00	0,00
17.08.2021	59,79	51,74	8,05	125,798	142,398	-16,599	6,0	4,0	1,018	24,00	0,00
18.08.2021	60,38	51,87	8,50	119,538	136,236	-16,698	6,0	4,0	1,021	24,00	0,00
19.08.2021	60,62	53,43	7,18	142,479	159,245	-16,765	6,0	4,0	1,029	24,00	0,00
20.08.2021	61,21	54,55	6,66	158,966	175,734	-16,768	6,0	4,0	1,065	24,00	0,00
21.08.2021	62,32	55,60	6,73	158,331	175,239	-16,908	6,0	4,0	1,071	24,00	0,00
22.08.2021	61,53	55,06	6,47	158,585	175,670	-17,085	6,0	4,0	1,032	24,00	0,00
23.08.2021	63,28	57,32	5,96	185,032	202,245	-17,213	6,0	4,0	1,110	24,00	0,00
24.08.2021	68,16	61,83	6,33	188,060	205,405	-17,344	6,0	4,0	1,198	24,00	0,00
25.08.2021	-	-	-	-	-	-	-	-	-	-	-
26.08.2021	-	-	-	-	-	-	-	-	-	-	-
27.08.2021	-	-	-	-	-	-	-	-	-	-	-
28.08.2021	-	-	-	-	-	-	-	-	-	-	-
29.08.2021	-	-	-	-	-	-	-	-	-	-	-
30.08.2021	-	-	-	-	-	-	-	-	-	-	-
31.08.2021	-	-	-	-	-	-	-	-	-	-	-
01.09.2021	-	-	-	-	-	-	-	-	-	-	-
02.09.2021	-	-	-	-	-	-	-	-	-	-	-
03.09.2021	-	-	-	-	-	-	-	-	-	-	-
04.09.2021	-	-	-	-	-	-	-	-	-	-	-
05.09.2021	-	-	-	-	-	-	-	-	-	-	-
06.09.2021	59,08	51,42	7,66	96,466	104,912	-8,446	6,0	4,0	0,742	15,18	8,82
07.09.2021	58,47	51,12	7,34	150,001	162,955	-12,954	6,0	4,0	1,107	24,00	0,00
08.09.2021	58,62	51,35	7,28	154,153	166,424	-12,271	6,0	4,0	1,128	24,00	0,00
09.09.2021	58,86	50,84	8,02	152,500	164,685	-12,185	6,0	4,0	1,229	24,00	0,00
10.09.2021	65,90	57,24	8,66	155,451	169,412	-13,961	6,0	4,0	1,352	24,00	0,00
11.09.2021	66,68	58,48	8,20	155,187	170,397	-15,210	6,0	4,0	1,279	24,00	0,00
12.09.2021	66,31	58,73	7,58	154,593	170,809	-16,216	6,0	4,0	1,178	24,00	0,00
13.09.2021	69,25	61,04	8,21	145,790	163,281	-17,491	6,0	4,0	1,203	24,00	0,00
14.09.2021	60,72	55,64	5,08	142,786	159,920	-17,135	6,0	4,0	0,732	24,00	0,00
15.09.2021	59,58	51,39	8,18	243,601	254,524	-10,923	6,0	4,0	2,002	23,87	0,13
16.09.2021	60,83	49,95	10,88	364,147	373,829	-9,682	6,0	4,0	3,977	24,00	0,00
17.09.2021	59,91	48,62	11,30	336,731	348,326	-11,595	6,0	4,0	3,817	24,00	0,00
18.09.2021	60,39	48,89	11,50	319,899	332,663	-12,765	6,0	4,0	3,692	24,00	0,00
19.09.2021	60,68	48,22	12,46	329,672	341,423	-11,751	6,0	4,0	4,120	24,00	0,00
20.09.2021	61,38	48,63	12,75	327,917	339,519	-11,602	6,0	4,0	4,193	23,98	0,02
21.09.2021	59,77	46,80	12,97	328,109	339,311	-11,202	6,0	4,0	4,267	24,00	0,00
22.09.2021	59,84	47,02	12,82	324,645	336,975	-12,330	6,0	4,0	4,173	24,00	0,00
23.09.2021	61,73	47,43	14,30	328,302	339,793	-11,491	6,0	4,0	4,705	24,00	0,00
24.09.2021	61,08	47,27	13,81	329,946	340,083	-10,136	6,0	4,0	4,568	24,00	0,00
25.09.2021	61,04	47,75	13,30	332,505	344,651	-12,146	6,0	4,0	4,433	24,00	0,00
26.09.2021	60,63	47,66	12,97	333,948	345,762	-11,814	6,0	4,0	4,343	24,00	0,00
27.09.2021	61,10	47,65	13,46	331,131	343,063	-11,932	6,0	4,0	4,468	24,00	0,00
28.09.2021	61,14	47,72	13,42	330,654	342,380	-11,726	6,0	4,0	4,450	24,00	0,00
29.09.2021	60,87	47,64	13,23	331,794	343,432	-11,638	6,0	4,0	4,401	24,00	0,00
30.09.2021	60,49	46,82	13,67	319,626	332,176	-12,549	6,0	4,0	4,380	24,00	0,00
01.10.2021	59,79	46,27	13,52	308,355	323,196	-14,841	6,0	4,0	4,180	24,00	0,00
02.10.2021	60,18	45,98	14,20	301,280	314,752	-13,472	6,0	4,0	4,289	24,00	0,00
03.10.2021	59,47	45,29	14,18	294,860	309,458	-14,597	6,0	4,0	4,191	24,00	0,00
04.10.2021	61,38	45,86	15,52	284,066	298,562	-14,496	6,0	4,0	4,419	24,00	0,00
05.10.2021	61,14	45,63	15,51	283,967	297,799	-13,833	6,0	4,0	4,414	24,00	0,00
06.10.2021	60,27	45,56	14,71	290,793	301,441	-10,648	6,0	4,0	4,288	24,00	0,00
07.10.2021	60,29	45,44	14,85	283,177	296,417	-13,240	6,0	4,0	4,215	24,00	0,00
08.10.2021	60,15	45,16	14,98	279,916	293,094	-13,178	6,0	4,0	4,204	24,00	0,00
09.10.2021	60,37	45,69	14,68	286,480	298,613	-12,132	6,0	4,0	4,216	24,00	0,00
10.10.2021	60,80	45,64	15,16	282,001	294,254	-12,253	6,0	4,0	4,285	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _n	штатное	нештат.
11.10.2021	60,13	45,24	14,89	279,839	293,887	-14,048	6,0	4,0	4,176	23,67	0,33
12.10.2021	60,44	45,96	14,49	292,340	305,380	-13,041	6,0	4,0	4,246	24,00	0,00
13.10.2021	60,45	45,77	14,67	276,485	289,997	-13,512	6,0	4,0	4,067	24,00	0,00
14.10.2021	59,98	44,55	15,43	250,391	265,986	-15,596	6,0	4,0	3,873	24,00	0,00
15.10.2021	59,95	44,50	15,45	249,804	265,090	-15,286	6,0	4,0	3,869	24,00	0,00
16.10.2021	60,44	44,79	15,65	250,409	264,948	-14,539	6,0	4,0	3,928	24,00	0,00
17.10.2021	60,21	44,55	15,65	246,557	261,565	-15,009	6,0	4,0	3,868	23,97	0,03
18.10.2021	60,55	44,83	15,72	249,637	264,162	-14,525	6,0	4,0	3,933	24,00	0,00
19.10.2021	60,32	45,07	15,25	251,055	265,957	-14,903	6,0	4,0	3,837	24,00	0,00
20.10.2021	60,02	44,60	15,42	250,917	265,585	-14,668	6,0	4,0	3,878	24,00	0,00
21.10.2021	60,77	44,11	16,66	241,286	256,026	-14,740	6,0	4,0	4,028	24,00	0,00
22.10.2021	61,15	44,10	17,05	234,829	249,527	-14,698	6,0	4,0	4,013	24,00	0,00
23.10.2021	60,75	44,11	16,64	236,176	251,418	-15,242	6,0	4,0	3,938	24,00	0,00
24.10.2021	60,51	43,78	16,73	231,950	247,262	-15,312	6,0	4,0	3,888	24,00	0,00
25.10.2021	59,80	43,02	16,78	227,689	243,117	-15,429	6,0	4,0	3,828	24,00	0,00
26.10.2021	61,36	43,19	18,17	225,213	240,623	-15,410	6,0	4,0	4,099	24,00	0,00
27.10.2021	61,69	43,83	17,87	233,071	248,642	-15,572	6,0	4,0	4,172	24,00	0,00
28.10.2021	64,49	45,83	18,66	239,103	254,789	-15,687	6,0	4,0	4,471	24,00	0,00
29.10.2021	62,58	44,21	18,37	235,140	250,249	-15,108	6,0	4,0	4,328	24,00	0,00
30.10.2021	62,35	43,81	18,54	232,116	247,368	-15,252	6,0	4,0	4,312	24,00	0,00
31.10.2021	63,12	44,47	18,65	234,826	248,746	-13,920	6,0	4,0	4,387	24,00	0,00
01.11.2021	63,23	45,01	18,22	241,907	257,563	-15,656	6,0	4,0	4,416	24,00	0,00
02.11.2021	63,95	44,84	19,12	240,821	256,442	-15,621	6,0	4,0	4,613	24,00	0,00
03.11.2021	64,20	44,85	19,35	250,651	266,101	-15,450	6,0	4,0	4,859	24,00	0,00
04.11.2021	63,32	45,67	17,64	271,440	285,000	-13,560	6,0	4,0	4,798	24,00	0,00
05.11.2021	62,65	45,37	17,29	273,954	285,591	-11,638	6,0	4,0	4,745	24,00	0,00
06.11.2021	62,94	46,11	16,84	277,592	288,975	-11,383	6,0	4,0	4,683	24,00	0,00
07.11.2021	62,77	46,10	16,67	277,628	288,927	-11,299	6,0	4,0	4,638	24,00	0,00
08.11.2021	63,04	46,51	16,53	283,233	294,350	-11,117	6,0	4,0	4,692	24,00	0,00
09.11.2021	62,38	46,51	15,86	286,076	295,073	-8,997	6,0	4,0	4,548	24,00	0,00
10.11.2021	63,26	46,48	16,78	273,597	284,524	-10,928	6,0	4,0	4,600	24,00	0,00
11.11.2021	65,98	46,98	18,99	260,078	272,826	-12,748	6,0	4,0	4,949	24,00	0,00
12.11.2021	65,64	46,73	18,91	255,390	268,104	-12,714	6,0	4,0	4,838	24,00	0,00
13.11.2021	65,42	46,85	18,57	256,324	268,644	-12,321	6,0	4,0	4,768	24,00	0,00
14.11.2021	65,07	46,23	18,84	252,420	265,161	-12,740	6,0	4,0	4,764	24,00	0,00
15.11.2021	66,90	46,78	20,13	251,112	263,664	-12,552	6,0	4,0	5,064	24,00	0,00
16.11.2021	66,37	46,23	20,14	249,612	261,943	-12,331	6,0	4,0	5,035	24,00	0,00
17.11.2021	66,94	46,43	20,51	246,749	259,743	-12,993	6,0	4,0	5,069	24,00	0,00
18.11.2021	68,22	46,49	21,73	245,011	259,756	-14,745	6,0	4,0	5,333	24,00	0,00
19.11.2021	66,72	45,92	20,80	243,919	258,126	-14,206	6,0	4,0	5,082	24,00	0,00
20.11.2021	65,07	45,15	19,93	239,702	253,398	-13,696	6,0	4,0	4,785	24,00	0,00
21.11.2021	65,68	45,30	20,38	237,955	251,758	-13,804	6,0	4,0	4,858	24,00	0,00
22.11.2021	65,75	45,31	20,43	236,916	251,914	-14,998	6,0	4,0	4,850	24,00	0,00
23.11.2021	65,30	44,87	20,43	228,973	244,061	-15,088	6,0	4,0	4,687	24,00	0,00
24.11.2021	66,89	43,54	23,35	213,208	228,482	-15,273	6,0	4,0	4,985	24,00	0,00
25.11.2021	69,86	44,95	24,91	210,272	225,960	-15,688	6,0	4,0	5,245	24,00	0,00
26.11.2021	68,79	44,64	24,15	211,940	228,605	-16,665	6,0	4,0	5,127	24,00	0,00
27.11.2021	67,00	44,43	22,57	218,095	233,587	-15,492	6,0	4,0	4,930	24,00	0,00
28.11.2021	66,87	44,23	22,64	216,563	231,715	-15,152	6,0	4,0	4,910	24,00	0,00
29.11.2021	67,60	45,33	22,27	218,570	233,894	-15,325	6,0	4,0	4,876	24,00	0,00
30.11.2021	67,48	45,77	21,71	221,712	235,988	-14,277	6,0	4,0	4,821	24,00	0,00
01.12.2021	67,64	45,82	21,82	221,025	235,885	-14,861	6,0	4,0	4,832	24,00	0,00
02.12.2021	68,06	46,23	21,83	220,765	235,912	-15,147	6,0	4,0	4,827	24,00	0,00
03.12.2021	68,06	45,86	22,20	217,807	234,000	-16,193	6,0	4,0	4,843	24,00	0,00
04.12.2021	68,78	46,59	22,19	219,656	235,668	-16,012	6,0	4,0	4,883	24,00	0,00
05.12.2021	68,68	46,69	21,99	220,411	235,826	-15,415	6,0	4,0	4,855	24,00	0,00
06.12.2021	69,23	46,15	23,08	215,554	230,952	-15,398	6,0	4,0	4,983	24,00	0,00
07.12.2021	70,60	45,70	24,90	212,841	229,017	-16,177	6,0	4,0	5,308	24,00	0,00
08.12.2021	69,95	44,94	25,01	212,276	229,052	-16,776	6,0	4,0	5,317	24,00	0,00
09.12.2021	68,81	45,17	23,65	214,952	232,228	-17,276	6,0	4,0	5,091	24,00	0,00
10.12.2021	67,88	44,79	23,09	214,979	230,750	-15,771	6,0	4,0	4,971	24,00	0,00
11.12.2021	68,21	44,36	23,85	213,655	230,633	-16,978	6,0	4,0	5,103	24,00	0,00
12.12.2021	67,78	43,84	23,94	212,523	229,206	-16,684	6,0	4,0	5,095	24,00	0,00
13.12.2021	68,36	44,30	24,06	215,017	231,402	-16,385	6,0	4,0	5,182	24,00	0,00
14.12.2021	67,73	44,21	23,52	214,792	231,549	-16,756	6,0	4,0	5,059	24,00	0,00
15.12.2021	67,73	44,49	23,24	216,721	233,740	-17,018	6,0	4,0	5,044	24,00	0,00
16.12.2021	67,75	44,94	22,81	218,562	236,379	-17,817	6,0	4,0	4,992	24,00	0,00
17.12.2021	67,53	44,93	22,60	218,951	236,331	-17,379	6,0	4,0	4,957	24,00	0,00
18.12.2021	67,35	44,92	22,43	219,552	237,441	-17,888	6,0	4,0	4,932	24,00	0,00
19.12.2021	67,51	44,96	22,54	219,140	237,090	-17,950	6,0	4,0	4,948	24,00	0,00
20.12.2021	68,05	45,02	23,03	217,152	234,510	-17,358	6,0	4,0	5,009	24,00	0,00
21.12.2021	67,26	45,19	22,07	220,876	237,601	-16,725	6,0	4,0	4,881	24,00	0,00
22.12.2021	66,30	44,14	22,17	217,613	234,418	-16,806	6,0	4,0	4,831	24,00	0,00
23.12.2021	69,12	45,33	23,79	216,989	233,489	-16,500	6,0	4,0	5,169	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
24.12.2021	70,46	45,56	24,90	218,160	233,575	-15,415	6,0	4,0	5,442	24,00	0,00
25.12.2021	71,85	46,16	25,70	221,293	236,642	-15,349	6,0	4,0	5,696	24,00	0,00
26.12.2021	71,32	45,46	25,86	220,503	236,307	-15,804	6,0	4,0	5,712	24,00	0,00
27.12.2021	71,78	45,87	25,91	220,559	236,859	-16,301	6,0	4,0	5,724	24,00	0,00
28.12.2021	71,87	45,71	26,16	218,349	234,550	-16,201	6,0	4,0	5,721	24,00	0,00
29.12.2021	71,57	46,41	25,16	237,688	252,809	-15,122	6,0	4,0	5,989	24,00	0,00
30.12.2021	72,92	49,20	23,72	271,949	286,723	-14,774	6,0	4,0	6,464	24,00	0,00
31.12.2021	72,28	48,96	23,32	273,002	288,028	-15,026	6,0	4,0	6,378	24,00	0,00
Итого	60,75	45,84	14,91	76646,897	80835,970	-4189,073	5,79	3,86	1309,110	8065,00	383,00



Место для записи представителя РСО



Ответственный за учет тепловой энергии:

Представитель обслуживающей организации:

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