

**Ведомость учета отпуска тепловой энергии за период
с 01.01.2019 по 31.12.2019**Потребитель: **МУП "ПЖРТ"**Объект: **101-й квартал, ул. Долонина, д. 2/1**

Система отопления: двухтрубная зависимая

Карат-2001

94351006

07.08.2020

Расчетная формула тепловой энергии:

Карат-РС

04470706

15.09.2022

 $Q = G^2 \times (T^1 - T^2) / 1000$, Гкал

Карат-РС

00470318

21.07.2022

G_{max}= 18,03 тн/час

КТПТР-01

4932

10.09.2022

G_{от}= 12,13 тн/часG_{гвс}= 5,9 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.
01.01.19 00	65,73	50,74	14,99	357,847	371,210	-13,363	6,0	4,0	5,362	24,00	0,00
02.01.19 00	65,00	50,34	14,66	360,045	373,281	-13,236	6,0	4,0	5,273	24,00	0,00
03.01.19 00	64,13	50,11	14,02	366,600	380,195	-13,594	6,0	4,0	5,137	24,00	0,00
04.01.19 00	64,38	50,53	13,86	367,995	381,636	-13,641	6,0	4,0	5,098	24,00	0,00
05.01.19 00	64,01	50,32	13,69	367,818	381,188	-13,370	6,0	4,0	5,035	24,00	0,00
06.01.19 00	65,12	50,43	14,68	360,556	373,833	-13,277	6,0	4,0	5,292	24,00	0,00
07.01.19 00	66,35	51,22	15,13	358,532	372,088	-13,556	6,0	4,0	5,416	24,00	0,00
08.01.19 00	69,22	52,55	16,67	349,569	362,145	-12,577	6,0	4,0	5,812	24,00	0,00
09.01.19 00	68,23	51,83	16,39	347,910	360,255	-12,346	6,0	4,0	5,697	24,00	0,00
10.01.19 00	65,95	50,79	15,16	348,133	360,145	-12,012	6,0	4,0	5,274	24,00	0,00
11.01.19 00	65,80	50,66	15,13	349,676	361,753	-12,078	6,0	4,0	5,290	24,00	0,00
12.01.19 00	67,15	51,22	15,93	346,211	358,460	-12,249	6,0	4,0	5,512	24,00	0,00
13.01.19 00	63,93	49,52	14,41	358,427	370,001	-11,574	6,0	4,0	5,168	24,00	0,00
14.01.19 00	64,68	50,44	14,24	357,480	369,561	-12,081	6,0	4,0	5,092	24,00	0,00
15.01.19 00	65,40	50,82	14,59	351,566	363,670	-12,104	6,0	4,0	5,127	24,00	0,00
16.01.19 00	64,94	50,72	14,22	354,512	366,589	-12,077	6,0	4,0	5,046	24,00	0,00
17.01.19 00	64,12	50,21	13,91	358,872	370,908	-12,036	6,0	4,0	5,000	24,00	0,00
18.01.19 00	64,36	50,26	14,11	357,502	369,359	-11,857	6,0	4,0	5,049	24,00	0,00
19.01.19 00	64,60	50,69	13,91	357,864	369,998	-12,133	6,0	4,0	4,983	24,00	0,00
20.01.19 00	64,20	50,42	13,78	361,123	373,457	-12,334	6,0	4,0	4,985	24,00	0,00
21.01.19 00	65,04	51,04	14,00	355,466	367,697	-12,230	6,0	4,0	4,980	24,00	0,00
22.01.19 00	64,78	50,83	13,95	357,535	369,601	-12,066	6,0	4,0	4,992	24,00	0,00
23.01.19 00	70,26	53,55	16,71	340,924	353,278	-12,354	6,0	4,0	5,684	24,00	0,00
24.01.19 00	72,47	54,74	17,73	337,978	350,830	-12,852	6,0	4,0	5,976	24,00	0,00
25.01.19 00	70,04	52,85	17,18	342,554	354,976	-12,423	6,0	4,0	5,883	24,00	0,00
26.01.19 00	71,77	53,49	18,28	339,700	352,281	-12,581	6,0	4,0	6,188	24,00	0,00
27.01.19 00	72,32	53,65	18,68	341,529	354,107	-12,579	6,0	4,0	6,361	24,00	0,00
28.01.19 00	71,43	53,30	18,13	340,798	353,215	-12,417	6,0	4,0	6,171	24,00	0,00
29.01.19 00	71,74	53,59	18,15	339,279	351,737	-12,458	6,0	4,0	6,143	24,00	0,00
30.01.19 00	69,51	52,50	17,01	340,562	352,742	-12,180	6,0	4,0	5,780	24,00	0,00
31.01.19 00	71,25	53,45	17,80	338,494	350,801	-12,307	6,0	4,0	6,014	24,00	0,00
01.02.19 00	68,09	51,61	16,48	343,912	355,872	-11,960	6,0	4,0	5,667	24,00	0,00
02.02.19 00	68,30	51,50	16,81	343,019	355,141	-12,122	6,0	4,0	5,746	24,00	0,00
03.02.19 00	74,06	54,77	19,30	337,300	350,070	-12,770	6,0	4,0	6,490	24,00	0,00
04.02.19 00	77,24	56,79	20,45	332,571	346,152	-13,581	6,0	4,0	6,785	24,00	0,00
05.02.19 00	79,21	57,76	21,45	332,192	345,774	-13,582	6,0	4,0	7,111	24,00	0,00
06.02.19 00	77,53	56,64	20,89	333,393	346,824	-13,431	6,0	4,0	6,954	24,00	0,00
07.02.19 00	76,92	56,20	20,72	333,407	346,682	-13,276	6,0	4,0	6,898	24,00	0,00
08.02.19 00	71,04	52,36	18,68	339,044	351,271	-12,228	6,0	4,0	6,326	24,00	0,00
09.02.19 00	70,36	52,52	17,85	341,331	353,492	-12,161	6,0	4,0	6,088	24,00	0,00
10.02.19 00	65,67	49,79	15,87	348,648	360,281	-11,633	6,0	4,0	5,536	24,00	0,00
11.02.19 00	64,48	50,12	14,36	358,163	370,102	-11,939	6,0	4,0	5,147	24,00	0,00
12.02.19 00	64,94	50,17	14,77	354,642	366,396	-11,754	6,0	4,0	5,241	24,00	0,00
13.02.19 00	64,61	50,48	14,13	359,715	371,715	-12,000	6,0	4,0	5,084	24,00	0,00
14.02.19 00	64,35	49,88	14,48	306,767	317,697	-10,930	6,0	4,0	4,446	20,78	3,22
15.02.19 00	64,50	50,51	13,99	353,452	366,705	-13,253	6,0	4,0	4,943	24,00	0,00
16.02.19 00	64,67	50,74	13,92	335,864	348,615	-12,751	6,0	4,0	4,675	22,83	1,17
17.02.19 00	64,57	50,27	14,30	350,609	363,460	-12,852	6,0	4,0	5,007	24,00	0,00
18.02.19 00	64,48	50,89	13,59	358,969	372,487	-13,518	6,0	4,0	4,880	24,00	0,00
19.02.19 00	64,72	50,92	13,80	358,991	372,356	-13,365	6,0	4,0	4,952	24,00	0,00
20.02.19 00	67,43	52,17	15,26	346,841	360,179	-13,338	6,0	4,0	5,285	24,00	0,00
21.02.19 00	66,76	51,87	14,89	348,306	361,474	-13,169	6,0	4,0	5,194	24,00	0,00
22.02.19 00	64,34	50,40	13,94	357,700	370,787	-13,086	6,0	4,0	4,993	24,00	0,00
23.02.19 00	64,51	50,73	13,78	357,775	370,943	-13,168	6,0	4,0	4,933	24,00	0,00
24.02.19 00	64,51	50,10	14,41	354,996	367,760	-12,764	6,0	4,0	5,117	24,00	0,00
25.02.19 00	64,72	50,57	14,16	356,081	369,174	-13,093	6,0	4,0	5,042	24,00	0,00
26.02.19 00	64,55	50,56	13,99	354,609	367,055	-12,446	6,0	4,0	4,964	24,00	0,00
27.02.19 00	64,42	50,90	13,53	356,895	369,510	-12,615	6,0	4,0	4,829	24,00	0,00
28.02.19 00	64,52	51,01	13,50	356,636	369,259	-12,623	6,0	4,0	4,820	24,00	0,00
01.03.19 00	64,23	50,78	13,46	356,161	368,912	-12,751	6,0	4,0	4,794	24,00	0,00
02.03.19 00	63,89	50,85	13,04	361,780	374,603	-12,823	6,0	4,0	4,719	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.
03.03.19 00	63,83	50,51	13,32	358,220	370,943	-12,723	6,0	4,0	4,768	24,00	0,00
04.03.19 00	64,34	50,99	13,35	365,513	378,538	-13,025	6,0	4,0	4,875	24,00	0,00
05.03.19 00	65,14	51,32	13,82	357,254	370,120	-12,867	6,0	4,0	4,933	24,00	0,00
06.03.19 00	65,05	50,94	14,12	356,624	369,600	-12,976	6,0	4,0	5,034	24,00	0,00
07.03.19 00	64,08	50,66	13,43	360,912	373,800	-12,889	6,0	4,0	4,852	24,00	0,00
08.03.19 00	64,54	50,66	13,88	362,304	375,325	-13,021	6,0	4,0	5,032	24,00	0,00
09.03.19 00	64,32	50,73	13,59	363,812	376,803	-12,991	6,0	4,0	4,943	24,00	0,00
10.03.19 00	64,11	50,53	13,58	364,079	377,013	-12,934	6,0	4,0	4,950	24,00	0,00
11.03.19 00	-	-	-	-	-	-	-	-	-	-	-
12.03.19 00	-	-	-	-	-	-	-	-	-	-	-
13.03.19 00	-	-	-	-	-	-	-	-	-	-	-
14.03.19 00	-	-	-	-	-	-	-	-	-	-	-
15.03.19 00	-	-	-	-	-	-	-	-	-	-	-
16.03.19 00	-	-	-	-	-	-	-	-	-	-	-
17.03.19 00	-	-	-	-	-	-	-	-	-	-	-
18.03.19 00	-	-	-	-	-	-	-	-	-	-	-
19.03.19 00	-	-	-	-	-	-	-	-	-	-	-
20.03.19 00	-	-	-	-	-	-	-	-	-	-	-
21.03.19 00	-	-	-	-	-	-	-	-	-	-	-
22.03.19 00	-	-	-	-	-	-	-	-	-	-	-
23.03.19 00	-	-	-	-	-	-	-	-	-	-	-
24.03.19 00	-	-	-	-	-	-	-	-	-	-	-
25.03.19 00	-	-	-	-	-	-	-	-	-	-	-
26.03.19 00	-	-	-	-	-	-	-	-	-	-	-
27.03.19 00	-	-	-	-	-	-	-	-	-	-	-
28.03.19 00	-	-	-	-	-	-	-	-	-	-	-
29.03.19 00	-	-	-	-	-	-	-	-	-	-	-
30.03.19 00	-	-	-	-	-	-	-	-	-	-	-
31.03.19 00	-	-	-	-	-	-	-	-	-	-	-
01.04.19 00	-	-	-	-	-	-	-	-	-	-	-
02.04.19 00	-	-	-	-	-	-	-	-	-	-	-
03.04.19 00	-	-	-	-	-	-	-	-	-	-	-
04.04.19 00	-	-	-	-	-	-	-	-	-	-	-
05.04.19 00	-	-	-	-	-	-	-	-	-	-	-
06.04.19 00	-	-	-	-	-	-	-	-	-	-	-
07.04.19 00	-	-	-	-	-	-	-	-	-	-	-
08.04.19 00	-	-	-	-	-	-	-	-	-	-	-
09.04.19 00	-	-	-	-	-	-	-	-	-	-	-
10.04.19 00	-	-	-	-	-	-	-	-	-	-	-
11.04.19 00	-	-	-	-	-	-	-	-	-	-	-
12.04.19 00	-	-	-	-	-	-	-	-	-	-	-
13.04.19 00	-	-	-	-	-	-	-	-	-	-	-
14.04.19 00	-	-	-	-	-	-	-	-	-	-	-
15.04.19 00	-	-	-	-	-	-	-	-	-	-	-
16.04.19 00	-	-	-	-	-	-	-	-	-	-	-
17.04.19 00	-	-	-	-	-	-	-	-	-	-	-
18.04.19 00	-	-	-	-	-	-	-	-	-	-	-
19.04.19 00	-	-	-	-	-	-	-	-	-	-	-
20.04.19 00	-	-	-	-	-	-	-	-	-	-	-
21.04.19 00	-	-	-	-	-	-	-	-	-	-	-
22.04.19 00	-	-	-	-	-	-	-	-	-	-	-
23.04.19 00	-	-	-	-	-	-	-	-	-	-	-
24.04.19 00	-	-	-	-	-	-	-	-	-	-	-
25.04.19 00	-	-	-	-	-	-	-	-	-	-	-
26.04.19 00	-	-	-	-	-	-	-	-	-	-	-
27.04.19 00	-	-	-	-	-	-	-	-	-	-	-
28.04.19 00	-	-	-	-	-	-	-	-	-	-	-
29.04.19 00	-	-	-	-	-	-	-	-	-	-	-
30.04.19 00	-	-	-	-	-	-	-	-	-	-	-
01.05.19 00	-	-	-	-	-	-	-	-	-	-	-
02.05.19 00	-	-	-	-	-	-	-	-	-	-	-
03.05.19 00	-	-	-	-	-	-	-	-	-	-	-
04.05.19 00	-	-	-	-	-	-	-	-	-	-	-
05.05.19 00	-	-	-	-	-	-	-	-	-	-	-
06.05.19 00	-	-	-	-	-	-	-	-	-	-	-
07.05.19 00	-	-	-	-	-	-	-	-	-	-	-
08.05.19 00	-	-	-	-	-	-	-	-	-	-	-
09.05.19 00	-	-	-	-	-	-	-	-	-	-	-
10.05.19 00	-	-	-	-	-	-	-	-	-	-	-
11.05.19 00	-	-	-	-	-	-	-	-	-	-	-
12.05.19 00	-	-	-	-	-	-	-	-	-	-	-
13.05.19 00	-	-	-	-	-	-	-	-	-	-	-
14.05.19 00	-	-	-	-	-	-	-	-	-	-	-
15.05.19 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.
16.05.19 00	-	-	-	-	-	-	-	-	-	-	-
17.05.19 00	-	-	-	-	-	-	-	-	-	-	-
18.05.19 00	-	-	-	-	-	-	-	-	-	-	-
19.05.19 00	-	-	-	-	-	-	-	-	-	-	-
20.05.19 00	-	-	-	-	-	-	-	-	-	-	-
21.05.19 00	-	-	-	-	-	-	-	-	-	-	-
22.05.19 00	-	-	-	-	-	-	-	-	-	-	-
23.05.19 00	-	-	-	-	-	-	-	-	-	-	-
24.05.19 00	-	-	-	-	-	-	-	-	-	-	-
25.05.19 00	-	-	-	-	-	-	-	-	-	-	-
26.05.19 00	-	-	-	-	-	-	-	-	-	-	-
27.05.19 00	-	-	-	-	-	-	-	-	-	-	-
28.05.19 00	-	-	-	-	-	-	-	-	-	-	-
29.05.19 00	-	-	-	-	-	-	-	-	-	-	-
30.05.19 00	-	-	-	-	-	-	-	-	-	-	-
31.05.19 00	-	-	-	-	-	-	-	-	-	-	-
01.06.19 00	-	-	-	-	-	-	-	-	-	-	-
02.06.19 00	-	-	-	-	-	-	-	-	-	-	-
03.06.19 00	-	-	-	-	-	-	-	-	-	-	-
04.06.19 00	-	-	-	-	-	-	-	-	-	-	-
05.06.19 00	-	-	-	-	-	-	-	-	-	-	-
06.06.19 00	-	-	-	-	-	-	-	-	-	-	-
07.06.19 00	-	-	-	-	-	-	-	-	-	-	-
08.06.19 00	-	-	-	-	-	-	-	-	-	-	-
09.06.19 00	-	-	-	-	-	-	-	-	-	-	-
10.06.19 00	-	-	-	-	-	-	-	-	-	-	-
11.06.19 00	-	-	-	-	-	-	-	-	-	-	-
12.06.19 00	-	-	-	-	-	-	-	-	-	-	-
13.06.19 00	-	-	-	-	-	-	-	-	-	-	-
14.06.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
15.06.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
16.06.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
17.06.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
18.06.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
19.06.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
20.06.19 00	55,56	50,72	4,84	97,040	102,572	-5,532	6,0	4,0	0,498	12,43	11,57
21.06.19 00	61,08	56,70	4,38	184,911	194,993	-10,082	6,0	4,0	0,813	24,00	0,00
22.06.19 00	61,31	57,44	3,87	186,622	196,708	-10,086	6,0	4,0	0,726	24,00	0,00
23.06.19 00	61,17	57,40	3,77	187,152	197,224	-10,071	6,0	4,0	0,709	24,00	0,00
24.06.19 00	61,24	57,45	3,78	191,307	201,521	-10,215	6,0	4,0	0,727	24,00	0,00
25.06.19 00	61,20	57,55	3,65	183,190	192,957	-9,767	6,0	4,0	0,673	23,18	0,82
26.06.19 00	61,15	57,66	3,49	188,940	198,990	-10,050	6,0	4,0	0,665	24,00	0,00
27.06.19 00	61,23	57,37	3,86	189,097	199,058	-9,960	6,0	4,0	0,733	24,00	0,00
28.06.19 00	61,26	57,28	3,97	180,496	189,988	-9,493	6,0	4,0	0,723	22,95	1,05
29.06.19 00	61,14	57,75	3,39	190,238	200,695	-10,457	6,0	4,0	0,648	24,00	0,00
30.06.19 00	61,19	56,68	4,50	190,288	200,529	-10,240	6,0	4,0	0,861	24,00	0,00
01.07.19 00	59,03	55,87	3,16	132,956	140,015	-7,059	6,0	4,0	0,424	16,76	7,24
02.07.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
03.07.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
04.07.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
05.07.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
06.07.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
07.07.19 00	0,00	0,00	0,00	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
08.07.19 00	43,45	39,27	4,18	75,550	78,334	-2,784	6,0	4,0	0,340	10,01	13,99
09.07.19 00	61,16	56,85	4,30	175,678	185,431	-9,753	6,0	4,0	0,762	24,00	0,00
10.07.19 00	61,00	56,84	4,16	173,445	182,952	-9,507	6,0	4,0	0,725	24,00	0,00
11.07.19 00	61,02	57,00	4,03	173,527	183,011	-9,485	6,0	4,0	0,702	24,00	0,00
12.07.19 00	61,19	56,76	4,42	174,272	183,737	-9,465	6,0	4,0	0,774	24,00	0,00
13.07.19 00	61,14	57,24	3,91	175,753	185,307	-9,554	6,0	4,0	0,690	24,00	0,00
14.07.19 00	61,15	57,32	3,83	173,335	182,837	-9,502	6,0	4,0	0,667	24,00	0,00
15.07.19 00	61,17	57,30	3,87	173,469	182,915	-9,446	6,0	4,0	0,674	24,00	0,00
16.07.19 00	52,28	49,70	2,59	174,681	183,011	-8,331	6,0	4,0	0,472	24,00	0,00
17.07.19 00	34,27	32,92	1,34	104,016	107,188	-3,173	6,0	4,0	0,142	14,20	9,80
18.07.19 00	48,22	44,76	3,46	63,144	66,062	-2,919	6,0	4,0	0,230	8,56	15,44
19.07.19 00	61,05	57,68	3,37	179,562	189,767	-10,206	6,0	4,0	0,611	24,00	0,00
20.07.19 00	61,10	57,42	3,68	176,172	185,919	-9,748	6,0	4,0	0,653	24,00	0,00
21.07.19 00	61,13	57,53	3,60	176,610	186,127	-9,517	6,0	4,0	0,639	24,00	0,00
22.07.19 00	61,19	57,50	3,69	176,977	186,540	-9,563	6,0	4,0	0,656	24,00	0,00
23.07.19 00	61,14	57,31	3,84	177,621	187,144	-9,523	6,0	4,0	0,685	24,00	0,00
24.07.19 00	61,15	57,54	3,61	177,842	187,394	-9,552	6,0	4,0	0,646	24,00	0,00
25.07.19 00	61,16	57,39	3,77	177,758	187,231	-9,473	6,0	4,0	0,673	24,00	0,00
26.07.19 00	60,97	57,17	3,80	177,777	187,202	-9,425	6,0	4,0	0,679	24,00	0,00
27.07.19 00	61,17	57,31	3,87	177,520	186,912	-9,392	6,0	4,0	0,690	24,00	0,00
28.07.19 00	61,15	56,83	4,32	177,409	186,780	-9,371	6,0	4,0	0,770	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.
29.07.19 00	60,84	56,72	4,12	177,180	186,470	-9,290	6,0	4,0	0,733	24,00	0,00
30.07.19 00	60,98	57,07	3,92	176,881	186,225	-9,344	6,0	4,0	0,696	24,00	0,00
31.07.19 00	60,86	57,85	3,01	167,607	176,446	-8,839	6,0	4,0	0,510	22,75	1,25
01.08.19 00	60,79	56,45	4,34	177,810	186,469	-8,659	6,0	4,0	0,774	24,00	0,00
02.08.19 00	60,77	56,35	4,43	153,051	160,110	-7,059	6,0	4,0	0,681	20,64	3,36
03.08.19 00	60,63	56,06	4,57	178,173	186,387	-8,214	6,0	4,0	0,818	24,00	0,00
04.08.19 00	61,07	56,79	4,28	178,166	186,565	-8,399	6,0	4,0	0,765	24,00	0,00
05.08.19 00	61,01	56,67	4,34	178,237	186,738	-8,502	6,0	4,0	0,777	24,00	0,00
06.08.19 00	60,87	56,26	4,61	178,190	186,626	-8,436	6,0	4,0	0,825	24,00	0,00
07.08.19 00	60,80	56,16	4,65	178,221	186,763	-8,542	6,0	4,0	0,832	24,00	0,00
08.08.19 00	60,80	55,87	4,92	178,189	186,661	-8,472	6,0	4,0	0,882	24,00	0,00
09.08.19 00	60,91	56,49	4,42	178,123	186,673	-8,550	6,0	4,0	0,791	24,00	0,00
10.08.19 00	61,16	56,79	4,37	177,482	186,067	-8,585	6,0	4,0	0,779	24,00	0,00
11.08.19 00	61,20	56,64	4,56	173,988	182,347	-8,359	6,0	4,0	0,799	24,00	0,00
12.08.19 00	61,17	56,73	4,44	173,610	181,983	-8,372	6,0	4,0	0,774	24,00	0,00
13.08.19 00	61,16	56,55	4,61	174,711	183,084	-8,373	6,0	4,0	0,810	24,00	0,00
14.08.19 00	61,13	56,66	4,47	176,423	184,894	-8,471	6,0	4,0	0,793	24,00	0,00
15.08.19 00	61,16	56,79	4,37	177,741	186,256	-8,515	6,0	4,0	0,780	24,00	0,00
16.08.19 00	61,10	57,11	3,99	177,922	186,497	-8,575	6,0	4,0	0,714	24,00	0,00
17.08.19 00	61,13	56,97	4,16	177,965	186,442	-8,477	6,0	4,0	0,744	24,00	0,00
18.08.19 00	60,13	56,41	3,72	177,643	186,394	-8,751	6,0	4,0	0,664	24,00	0,00
19.08.19 00	61,03	57,23	3,80	177,236	186,448	-9,213	6,0	4,0	0,676	24,00	0,00
20.08.19 00	61,12	57,20	3,93	178,624	187,760	-9,136	6,0	4,0	0,705	24,00	0,00
21.08.19 00	59,98	55,98	4,00	163,708	171,862	-8,154	6,0	4,0	0,659	22,25	1,75
22.08.19 00	61,15	57,11	4,05	175,693	184,254	-8,561	6,0	4,0	0,720	23,70	0,30
23.08.19 00	61,03	57,33	3,70	180,315	190,012	-9,698	6,0	4,0	0,670	24,00	0,00
24.08.19 00	61,08	57,00	4,08	180,364	189,925	-9,561	6,0	4,0	0,740	24,00	0,00
25.08.19 00	61,14	56,82	4,32	180,233	189,889	-9,656	6,0	4,0	0,783	24,00	0,00
26.08.19 00	60,83	56,61	4,21	176,883	186,230	-9,347	6,0	4,0	0,752	24,00	0,00
27.08.19 00	60,90	56,37	4,53	173,306	182,546	-9,240	6,0	4,0	0,787	24,00	0,00
28.08.19 00	60,70	56,32	4,39	173,117	182,199	-9,081	6,0	4,0	0,762	24,00	0,00
29.08.19 00	61,04	56,69	4,35	173,270	182,493	-9,223	6,0	4,0	0,757	24,00	0,00
30.08.19 00	60,75	56,34	4,41	147,355	155,106	-7,751	6,0	4,0	0,653	20,46	3,54
31.08.19 00	60,78	55,74	5,04	172,247	181,326	-9,080	6,0	4,0	0,872	24,00	0,00
01.09.19 00	60,77	55,63	5,14	172,160	181,293	-9,133	6,0	4,0	0,890	24,00	0,00
02.09.19 00	60,44	55,92	4,53	166,075	174,745	-8,671	6,0	4,0	0,761	24,00	0,00
03.09.19 00	60,58	55,72	4,87	162,097	170,514	-8,417	6,0	4,0	0,792	24,00	0,00
04.09.19 00	60,70	55,83	4,87	163,157	171,657	-8,500	6,0	4,0	0,799	24,00	0,00
05.09.19 00	60,37	55,79	4,58	163,115	171,546	-8,431	6,0	4,0	0,751	24,00	0,00
06.09.19 00	60,79	56,22	4,57	166,798	175,485	-8,687	6,0	4,0	0,764	24,00	0,00
07.09.19 00	60,66	55,87	4,79	167,512	176,139	-8,627	6,0	4,0	0,807	24,00	0,00
08.09.19 00	60,63	55,60	5,03	149,402	157,183	-7,780	6,0	4,0	0,799	24,00	0,00
09.09.19 00	60,77	55,41	5,36	144,467	152,125	-7,658	6,0	4,0	0,783	24,00	0,00
10.09.19 00	60,93	56,57	4,36	170,037	178,893	-8,856	6,0	4,0	0,744	23,62	0,38
11.09.19 00	60,97	56,78	4,19	176,070	185,041	-8,971	6,0	4,0	0,742	24,00	0,00
12.09.19 00	50,64	47,49	3,15	179,984	187,400	-7,416	6,0	4,0	0,596	24,00	0,00
13.09.19 00	40,11	37,39	2,73	182,342	187,734	-5,392	6,0	4,0	0,540	24,00	0,00
14.09.19 00	61,11	56,49	4,62	178,507	186,991	-8,484	6,0	4,0	0,829	24,00	0,00
15.09.19 00	60,84	55,71	5,13	174,768	182,943	-8,175	6,0	4,0	0,901	24,00	0,00
16.09.19 00	60,85	56,76	4,09	179,107	187,654	-8,547	6,0	4,0	0,737	24,00	0,00
17.09.19 00	60,88	56,52	4,36	180,073	188,591	-8,517	6,0	4,0	0,788	24,00	0,00
18.09.19 00	60,09	55,54	4,55	174,823	182,963	-8,140	6,0	4,0	0,810	24,00	0,00
19.09.19 00	59,24	55,57	3,67	97,037	101,589	-4,552	6,0	4,0	0,360	13,54	10,46
20.09.19 00	58,99	49,65	9,34	254,575	261,063	-6,488	6,0	4,0	2,400	13,58	10,42
21.09.19 00	59,24	50,48	8,77	469,062	487,027	-17,965	6,0	4,0	4,117	24,00	0,00
22.09.19 00	58,91	50,31	8,60	478,453	496,769	-18,316	6,0	4,0	4,131	24,00	0,00
23.09.19 00	58,55	50,04	8,51	468,015	484,419	-16,404	6,0	4,0	3,979	24,00	0,00
24.09.19 00	58,07	49,15	8,92	429,942	444,592	-14,649	6,0	4,0	3,840	24,00	0,00
25.09.19 00	59,00	49,06	9,94	371,769	385,269	-13,500	6,0	4,0	3,699	24,00	0,00
26.09.19 00	61,00	50,51	10,49	372,589	385,878	-13,290	6,0	4,0	3,908	24,00	0,00
27.09.19 00	61,26	50,82	10,44	389,783	403,169	-13,386	6,0	4,0	4,071	24,00	0,00
28.09.19 00	61,75	51,76	9,99	434,463	449,278	-14,815	6,0	4,0	4,349	24,00	0,00
29.09.19 00	61,86	51,65	10,21	428,259	441,961	-13,702	6,0	4,0	4,377	24,00	0,00
30.09.19 00	61,74	51,93	9,81	429,674	444,983	-15,309	6,0	4,0	4,216	24,00	0,00
01.10.19 00	61,46	51,63	9,83	423,960	439,435	-15,475	6,0	4,0	4,169	24,00	0,00
02.10.19 00	61,68	52,14	9,54	432,680	448,821	-16,141	6,0	4,0	4,142	24,00	0,00
03.10.19 00	61,93	52,75	9,18	444,676	461,776	-17,100	6,0	4,0	4,092	24,00	0,00
04.10.19 00	61,46	52,31	9,15	419,410	435,105	-15,694	6,0	4,0	3,832	24,00	0,00
05.10.19 00	61,49	52,29	9,20	395,255	409,988	-14,733	6,0	4,0	3,634	24,00	0,00
06.10.19 00	61,33	52,28	9,05	386,314	400,345	-14,031	6,0	4,0	3,509	24,00	0,00
07.10.19 00	61,15	52,30	8,86	381,640	394,814	-13,174	6,0	4,0	3,385	23,97	0,03
08.10.19 00	61,57	52,14	9,43	382,033	396,161	-14,128	6,0	4,0	3,605	24,00	0,00
09.10.19 00	61,48	52,02	9,46	374,470	388,540	-14,070	6,0	4,0	3,551	24,00	0,00
10.10.19 00	61,17	51,61	9,56	376,803	390,096	-13,293	6,0	4,0	3,608	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.
11.10.19 00	61,11	51,00	10,12	371,329	384,371	-13,043	6,0	4,0	3,762	24,00	0,00
12.10.19 00	61,52	51,49	10,02	373,878	386,797	-12,920	6,0	4,0	3,756	24,00	0,00
13.10.19 00	61,41	50,97	10,44	373,638	386,526	-12,887	6,0	4,0	3,907	24,00	0,00
14.10.19 00	61,14	50,87	10,27	376,480	389,444	-12,964	6,0	4,0	3,873	24,00	0,00
15.10.19 00	61,11	50,51	10,60	365,617	378,373	-12,756	6,0	4,0	3,879	24,00	0,00
16.10.19 00	60,51	49,99	10,51	359,513	371,869	-12,356	6,0	4,0	3,784	24,00	0,00
17.10.19 00	60,09	49,39	10,71	358,604	370,288	-11,684	6,0	4,0	3,842	24,00	0,00
18.10.19 00	59,76	48,96	10,80	321,536	332,680	-11,144	6,0	4,0	3,480	22,49	1,51
19.10.19 00	59,32	47,95	11,37	348,878	360,493	-11,615	6,0	4,0	3,977	24,00	0,00
20.10.19 00	58,93	46,94	11,99	349,264	362,012	-12,748	6,0	4,0	4,198	24,00	0,00
21.10.19 00	58,93	47,15	11,77	345,261	357,850	-12,589	6,0	4,0	4,069	24,00	0,00
22.10.19 00	59,21	47,67	11,54	343,949	356,711	-12,762	6,0	4,0	3,971	24,00	0,00
23.10.19 00	59,14	47,60	11,55	346,822	359,648	-12,826	6,0	4,0	4,012	24,00	0,00
24.10.19 00	59,48	48,44	11,04	346,168	359,143	-12,975	6,0	4,0	3,824	24,00	0,00
25.10.19 00	59,81	48,60	11,21	332,472	322,273	10,199	6,0	4,0	3,742	22,65	1,35
26.10.19 00	59,67	48,24	11,43	356,767	331,672	25,095	6,0	4,0	4,081	24,00	0,00
27.10.19 00	59,78	48,23	11,55	364,445	339,117	25,328	6,0	4,0	4,211	24,00	0,00
28.10.19 00	59,56	48,45	11,11	361,753	336,575	25,178	6,0	4,0	4,025	24,00	0,00
29.10.19 00	60,10	48,70	11,40	360,174	335,269	24,905	6,0	4,0	4,105	24,00	0,00
30.10.19 00	61,40	49,12	12,28	359,238	334,502	24,736	6,0	4,0	4,414	24,00	0,00
31.10.19 00	60,81	48,31	12,50	355,100	330,542	24,558	6,0	4,0	4,445	24,00	0,00
01.11.19 00	60,14	47,17	12,97	346,886	323,090	23,796	6,0	4,0	4,501	24,00	0,00
02.11.19 00	59,95	46,50	13,45	350,275	325,715	24,560	6,0	4,0	4,712	24,00	0,00
03.11.19 00	60,90	47,33	13,57	347,416	323,140	24,276	6,0	4,0	4,718	24,00	0,00
04.11.19 00	60,67	47,17	13,50	355,685	331,148	24,537	6,0	4,0	4,800	24,00	0,00
05.11.19 00	61,29	48,12	13,17	356,920	332,515	24,405	6,0	4,0	4,701	24,00	0,00
06.11.19 00	61,51	48,30	13,20	348,808	324,909	23,900	6,0	4,0	4,605	24,00	0,00
07.11.19 00	61,65	48,83	12,82	354,634	330,440	24,194	6,0	4,0	4,545	24,00	0,00
08.11.19 00	60,51	48,06	12,45	356,992	332,520	24,472	6,0	4,0	4,446	24,00	0,00
09.11.19 00	61,34	48,05	13,29	349,683	325,566	24,117	6,0	4,0	4,647	24,00	0,00
10.11.19 00	61,21	47,68	13,54	349,241	325,106	24,136	6,0	4,0	4,732	24,00	0,00
11.11.19 00	61,44	47,84	13,60	348,561	324,566	23,995	6,0	4,0	4,739	24,00	0,00
12.11.19 00	61,16	48,15	13,01	354,391	330,151	24,240	6,0	4,0	4,615	24,00	0,00
13.11.19 00	61,12	48,10	13,02	356,162	331,707	24,456	6,0	4,0	4,642	24,00	0,00
14.11.19 00	62,93	48,58	14,35	346,437	322,823	23,614	6,0	4,0	4,972	24,00	0,00
15.11.19 00	62,69	48,83	13,87	355,424	331,218	24,206	6,0	4,0	4,942	24,00	0,00
16.11.19 00	59,45	46,19	13,26	350,393	325,743	24,650	6,0	4,0	4,650	24,00	0,00
17.11.19 00	61,17	47,47	13,70	353,238	328,603	24,635	6,0	4,0	4,847	24,00	0,00
18.11.19 00	62,29	48,20	14,10	353,022	328,565	24,457	6,0	4,0	4,979	24,00	0,00
19.11.19 00	72,97	55,72	17,25	378,730	352,847	25,882	6,0	4,0	6,520	24,00	0,00
20.11.19 00	72,20	55,54	16,66	395,332	368,429	26,903	6,0	4,0	6,586	24,00	0,00
21.11.19 00	66,98	52,60	14,38	395,604	368,987	26,617	6,0	4,0	5,690	24,00	0,00
22.11.19 00	63,36	50,35	13,00	413,715	386,048	27,668	6,0	4,0	5,396	24,00	0,00
23.11.19 00	64,54	51,88	12,65	442,937	414,071	28,866	6,0	4,0	5,603	24,00	0,00
24.11.19 00	64,71	52,04	12,66	443,036	414,609	28,427	6,0	4,0	5,608	24,00	0,00
25.11.19 00	65,20	52,72	12,48	442,770	414,382	28,388	6,0	4,0	5,529	24,00	0,00
26.11.19 00	64,76	52,65	12,11	443,033	414,654	28,379	6,0	4,0	5,367	24,00	0,00
27.11.19 00	65,58	53,06	12,52	443,384	414,924	28,459	6,0	4,0	5,551	24,00	0,00
28.11.19 00	64,75	52,45	12,30	442,329	414,566	27,763	6,0	4,0	5,449	24,00	0,00
29.11.19 00	64,69	52,61	12,09	436,389	409,666	26,723	6,0	4,0	5,279	24,00	0,00
30.11.19 00	65,06	52,76	12,30	440,781	414,022	26,758	6,0	4,0	5,426	24,00	0,00
01.12.19 00	64,55	52,08	12,46	442,780	414,531	28,250	6,0	4,0	5,517	24,00	0,00
02.12.19 00	65,29	53,05	12,24	442,888	414,537	28,352	6,0	4,0	5,422	24,00	0,00
03.12.19 00	64,79	52,68	12,11	443,153	414,544	28,609	6,0	4,0	5,366	24,00	0,00
04.12.19 00	66,37	53,64	12,73	438,124	410,101	28,022	6,0	4,0	5,579	24,00	0,00
05.12.19 00	65,30	52,91	12,39	440,764	412,263	28,501	6,0	4,0	5,461	24,00	0,00
06.12.19 00	65,90	53,48	12,42	442,900	414,589	28,311	6,0	4,0	5,503	24,00	0,00
07.12.19 00	64,77	52,58	12,19	443,187	414,450	28,737	6,0	4,0	5,406	24,00	0,00
08.12.19 00	64,56	52,46	12,10	444,253	414,992	29,261	6,0	4,0	5,372	24,00	0,00
09.12.19 00	64,47	52,85	11,62	443,942	414,544	29,398	6,0	4,0	5,158	24,00	0,00
10.12.19 00	64,49	52,78	11,71	443,348	414,142	29,207	6,0	4,0	5,200	24,00	0,00
11.12.19 00	64,64	53,21	11,43	440,465	411,546	28,919	6,0	4,0	5,037	24,00	0,00
12.12.19 00	64,65	52,98	11,68	443,616	414,506	29,110	6,0	4,0	5,181	24,00	0,00
13.12.19 00	64,59	53,13	11,46	461,631	431,397	30,234	6,0	4,0	5,302	24,00	0,00
14.12.19 00	64,45	52,52	11,93	446,245	416,625	29,620	6,0	4,0	5,319	24,00	0,00
15.12.19 00	65,13	52,67	12,46	445,989	416,565	29,423	6,0	4,0	5,547	24,00	0,00
16.12.19 00	64,79	52,83	11,95	445,869	416,307	29,562	6,0	4,0	5,329	24,00	0,00
17.12.19 00	64,39	52,86	11,53	448,159	418,413	29,746	6,0	4,0	5,176	24,00	0,00
18.12.19 00	64,28	52,17	12,11	434,446	405,897	28,549	6,0	4,0	5,281	24,00	0,00
19.12.19 00	64,72	52,75	11,96	432,800	404,415	28,385	6,0	4,0	5,191	24,00	0,00
20.12.19 00	64,76	52,65	12,11	432,730	404,424	28,306	6,0	4,0	5,252	24,00	0,00
21.12.19 00	67,78	54,29	13,49	432,092	403,578	28,513	6,0	4,0	5,844	24,00	0,00
22.12.19 00	67,27	53,63	13,64	407,963	381,065	26,898	6,0	4,0	5,559	22,70	1,30
23.12.19 00	64,67	53,16	11,51	487,990	457,395	30,595	6,0	4,0	5,622	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.
24.12.19 00	-	-	-	-	-	-	-	-	-	-	-
25.12.19 00	-	-	-	-	-	-	-	-	-	-	-
26.12.19 00	-	-	-	-	-	-	-	-	-	-	-
27.12.19 00	-	-	-	-	-	-	-	-	-	-	-
28.12.19 00	-	-	-	-	-	-	-	-	-	-	-
29.12.19 00	-	-	-	-	-	-	-	-	-	-	-
30.12.19 00	-	-	-	-	-	-	-	-	-	-	-
31.12.19 00	-	-	-	-	-	-	-	-	-	-	-
Итого	42,97	36,05	6,92	76485,342	76988,777	-503,435	4,31	2,87	872,006	5900,05	387,95



Место для записи представителя PCO



Ответственный за учет тепловой энергии:

Представитель обслуживающей организации:

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