

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010101 PALESTRA**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	3.0	12.00	13.80	3.00	496.8	9494

efficienza recuperatore = 0.60      potenza recuperata = 5696.3

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	100 P.E	1	S	0.31	26	19.00	3.00	57.00	457.94	1.00	458
02	100 P.E	1	T3	0.31	0	13.00	3.00	39.00	0.00	1.00	0
03	100 P.E	1	N	0.31	26	5.30	3.00	15.90	127.74	1.20	153
04	301 P.I	1		1.79	0	24.70	3.00	74.10	0.00	1.00	0
05	530 PAV	1	T1	0.25	17	13.80	12.00	165.60	692.16	1.00	692
06	601 SOF	1	ZC	0.36	6	5.50	10.00	55.00	118.80	1.00	119
07	602 SOF	1		0.26	26	12.00	9.00	108.00	738.50	1.00	739
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		9494			2042	10%	6162	346.50	496.8	0.70	

**AMBIENTE : 010201 SALA CORSI**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	5.0	8.50	5.80	3.00	147.9	4711

efficienza recuperatore = 0.60      potenza recuperata = 2826.4

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	100 P.E	1	T3	0.31	0	5.80	3.00	17.40	0.00	1.00	0
02	301 P.I	1		1.79	0	22.30	3.00	66.90	0.00	1.00	0
03	530 PAV	1	T1	0.25	13	5.80	8.50	49.30	165.15	1.00	165
04	601 SOF	1	ZC	0.36	6	5.80	8.50	49.30	106.49	1.00	106
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		4711			165	10%	2172	49.30	147.9	0.33	

**AMBIENTE : 010301 MAGAZZINO PALESTRA**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	3.00	2.50	3.00	22.5	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	301 P.I	1		1.79	0	11.00	3.00	33.00	0.00	1.00	0
02	530 PAV	1	T1	0.25	3	2.50	3.00	7.50	5.32	1.00	5
03	601 SOF	1	ZC	0.36	6	2.50	3.00	7.50	16.20	1.00	16
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			5	10%	22	7.50	22.5	0.33	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010302 RECEPTION**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.5	4.70	6.90	3.00	97.3	2789

efficienza recuperatore = 0.60      potenza recuperata = 1673.3

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	100 P.E	1	W	0.31	26	1.50	3.00	2.61	20.97	1.10	23
02	219 S.E	1	W	1.64	26	0.90	2.10	1.89	80.34	1.10	88
03	303 P.I	1	U1	0.28	10	2.20	3.00	6.60	18.46	1.00	18
04	301 P.I	1		1.79	0	29.50	3.00	88.50	0.00	1.00	0
05	530 PAV	1	T1	0.25	8	6.90	4.70	32.43	66.37	1.00	66
06	601 SOF	1	ZC	0.36	6	6.90	4.70	32.43	70.05	1.00	70
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		2789			196	10%	1401	43.53	97.3	0.45	

**AMBIENTE : 010303 SPOGLIATOIO ADDETTI**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	3.10	2.70	3.00	25.1	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	100 P.E	1	W	0.31	26	2.50	3.00	7.50	60.26	1.10	66
02	100 P.E	1	S	0.31	26	3.00	3.00	9.00	72.31	1.00	72
03	301 P.I	1		1.79	0	5.70	3.00	17.10	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.70	3.10	8.37	44.29	1.00	44
05	601 SOF	1	ZC	0.36	6	2.70	3.10	8.37	18.08	1.00	18
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			183	10%	219	24.87	25.1	0.99	

**AMBIENTE : 010304 WC H**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	2.00	2.20	3.00	13.2	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	100 P.E	1	W	0.31	26	2.10	3.00	6.30	50.61	1.10	56
02	301 P.I	1		1.79	0	6.10	3.00	18.30	0.00	1.00	0
03	530 PAV	1	T1	0.25	20	2.20	2.00	4.40	22.10	1.00	22
04	601 SOF	1	ZC	0.36	6	2.20	2.00	4.40	9.50	1.00	10
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			78	10%	95	10.70	13.2	0.81	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010305 RIPOSTIGLIO**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	2.00	2.70	3.00	16.2	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	301 P.I	1		1.79	0	9.40	3.00	28.20	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	2.70	2.00	5.40	3.38	1.00	3
03	601 SOF	1	ZC	0.36	6	2.70	2.00	5.40	11.66	1.00	12
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			3	10%	15	5.40	16.2	0.33	

**AMBIENTE : 010306 SPOGLIATOIO MASCHILE**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	6.8	7.00	4.70	3.00	98.7	4275

efficienza recuperatore = 0.60      potenza recuperata = 2565.2

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	7.00	3.00	21.00	0.00	1.00	0
02	100 P.E	1	S	0.31	26	3.00	3.00	9.00	72.31	1.00	72
03	301 P.I	1		1.79	0	14.70	3.00	44.10	0.00	1.00	0
04	530 PAV	1	T1	0.25	18	4.70	7.00	32.90	149.50	1.00	150
05	601 SOF	1	ZC	0.36	6	4.70	7.00	32.90	71.06	1.00	71
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		4275			222	10%	2025	41.90	98.7	0.42	

**AMBIENTE : 010307 DOCCE 1**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	3.60	3.60	3.00	38.9	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	7.20	3.00	21.60	0.00	1.00	0
02	301 P.I	1		1.79	0	7.20	3.00	21.60	0.00	1.00	0
03	530 PAV	1	T1	0.25	21	3.60	3.60	12.96	66.85	1.00	67
04	601 SOF	1	ZC	0.36	6	3.60	3.60	12.96	27.99	1.00	28
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			67	10%	102	12.96	38.9	0.33	

**AMBIENTE : 010308 BAGNO TURCO 1**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	2.70	2.30	3.00	18.6	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	2.70	3.00	8.10	0.00	1.00	0

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010308 BAGNO TURCO 1**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
02	301 P.I	1		1.79	0	7.30	3.00	21.90	0.00	1.00	0
03	530 PAV	1	T1	0.25	20	2.30	2.70	6.21	30.64	1.00	31
04	601 SOF	1	ZC	0.36	6	2.30	2.70	6.21	13.41	1.00	13
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			31	10%	47	6.21	18.6	0.33	

**AMBIENTE : 010309 WC 1**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	2.70	1.50	3.00	12.2	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	301 P.I	1		1.79	0	8.40	3.00	25.20	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	1.50	2.70	4.05	2.27	1.00	2
03	601 SOF	1	ZC	0.36	6	1.50	2.70	4.05	8.75	1.00	9
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			2	10%	11	4.05	12.2	0.33	

**AMBIENTE : 010310 SPOGLIATOIO FEMMINILE**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	7.3	5.50	5.40	3.00	89.1	4143

efficienza recuperatore = 0.60      potenza recuperata = 2485.9

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	301 P.I	1		1.79	0	23.70	3.00	71.10	0.00	1.00	0
02	530 PAV	1	T1	0.25	5	5.40	5.50	29.70	34.89	1.00	35
03	601 SOF	1	ZC	0.36	6	5.40	5.50	29.70	64.15	1.00	64
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		4143			35	10%	1760	29.70	89.1	0.33	

**AMBIENTE : 010311 DOCCE 2**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	3.60	3.60	3.00	38.9	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	3.60	3.00	10.80	0.00	1.00	0
02	301 P.I	1		1.79	0	10.80	3.00	32.40	0.00	1.00	0
03	530 PAV	1	T1	0.25	18	3.60	3.60	12.96	57.47	1.00	57
04	601 SOF	1	ZC	0.36	6	3.60	3.60	12.96	27.99	1.00	28
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			57	10%	91	12.96	38.9	0.33	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010312 BAGNO TURCO 2**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	2.70	2.30	3.00	18.6	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	2.70	3.00	8.10	0.00	1.00	0
02	301 P.I	1		1.79	0	7.30	3.00	21.90	0.00	1.00	0
03	530 PAV	1	T1	0.25	20	2.30	2.70	6.21	30.64	1.00	31
04	601 SOF	1	ZC	0.36	6	2.30	2.70	6.21	13.41	1.00	13
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			31	10%		47	6.21	18.6	0.33

**AMBIENTE : 010313 WC 2**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	2.70	1.50	3.00	12.2	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	301 P.I	1		1.79	0	8.40	3.00	25.20	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	1.50	2.70	4.05	2.27	1.00	2
03	601 SOF	1	ZC	0.36	6	1.50	2.70	4.05	8.75	1.00	9
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			2	10%		11	4.05	12.2	0.33

**AMBIENTE : 010314 INFERMERIA**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.5	5.80	2.20	3.00	38.3	1097

efficienza recuperatore = 0.60      potenza recuperata = 658.4

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	2.20	3.00	6.60	0.00	1.00	0
02	303 P.I	1	U1	0.28	10	3.80	3.00	11.40	31.88	1.00	32
03	301 P.I	1		1.79	0	9.40	3.00	28.20	0.00	1.00	0
04	530 PAV	1	T1	0.25	15	2.20	5.80	12.76	49.42	1.00	49
05	601 SOF	1	ZC	0.36	6	2.20	5.80	12.76	27.56	1.00	28
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1097			81	10%		556	24.16	38.3	0.63

**AMBIENTE : 010315 WC 3**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	2.20	3.00	3.00	19.8	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	2.20	3.00	6.60	0.00	1.00	0

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010315 WC 3**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
02	301 P.I	1		1.79	0	8.20	3.00	24.60	0.00	1.00	0
03	530 PAV	1	T1	0.25	19	3.00	2.20	6.60	30.70	1.00	31
04	601 SOF	1	ZC	0.36	6	3.00	2.20	6.60	14.26	1.00	14
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			31	10%	48	6.60	19.8	0.33	

**AMBIENTE : 010316 DISIMPEGNO**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	5.5	3.30	2.80	3.00	27.7	971

efficienza recuperatore = 0.60      potenza recuperata = 582.7

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	303 P.I	1	U1	0.28	10	1.20	3.00	3.60	10.07	1.00	10
02	301 P.I	1		1.79	0	8.10	3.00	24.30	0.00	1.00	0
03	530 PAV	1	T1	0.25	3	2.80	3.30	9.24	7.09	1.00	7
04	601 SOF	1	ZC	0.36	6	2.80	3.30	9.24	19.96	1.00	20
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		971			17	10%	427	12.84	27.7	0.46	

**AMBIENTE : 010317 MAGAZZINO RISTORANTE**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	5.40	3.20	3.00	51.8	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	5.40	3.00	16.20	0.00	1.00	0
02	301 P.I	1		1.79	0	12.40	3.00	37.20	0.00	1.00	0
03	530 PAV	1	T1	0.25	18	3.20	5.40	17.28	79.09	1.00	79
04	601 SOF	1	ZC	0.36	6	3.20	5.40	17.28	37.32	1.00	37
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			79	10%	124	17.28	51.8	0.33	

**AMBIENTE : 010318 SPOGLIATOIO ADDETTI MASCHILE**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	3.20	4.20	3.00	40.3	1027

efficienza recuperatore = 0.60      potenza recuperata = 616.4

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	0	4.20	3.00	12.60	0.00	1.00	0
02	301 P.I	1		1.79	0	9.20	3.00	27.60	0.00	1.00	0
03	530 PAV	1	T1	0.25	18	4.20	3.20	13.44	61.52	1.00	62
04	601 SOF	1	ZC	0.36	6	4.20	3.20	13.44	29.03	1.00	29
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1027			62	10%	508	13.44	40.3	0.33	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010319 DOCCE**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	1.30	3.60	3.00	14.0	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	100 P.E	1	T3	0.31	0	4.90	3.00	14.70	0.00	1.00	0
02	301 P.I	1		1.79	0	4.50	3.00	13.50	0.00	1.00	0
03	530 PAV	1	T1	0.25	22	3.60	1.30	4.68	26.14	1.00	26
04	601 SOF	1	ZC	0.36	6	3.60	1.30	4.68	10.11	1.00	10
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			26	10%	39	4.68	14.0	0.33	

**AMBIENTE : 010320 WC 4**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	1.80	3.90	3.00	21.1	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	100 P.E	1	T3	0.31	0	1.80	3.00	5.40	0.00	1.00	0
02	301 P.I	1		1.79	0	9.60	3.00	28.80	0.00	1.00	0
03	530 PAV	1	T1	0.25	17	3.90	1.80	7.02	30.42	1.00	30
04	601 SOF	1	ZC	0.36	6	3.90	1.80	7.02	15.16	1.00	15
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			30	10%	49	7.02	21.1	0.33	

**AMBIENTE : 010321 SPOGLIATOIO ADDETTI FEMMINILE**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	6.0	3.30	3.20	3.00	31.7	1211

efficienza recuperatore = 0.60      potenza recuperata = 726.5

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	303 P.I	1	U1	0.28	10	2.70	3.00	8.10	22.65	1.00	23
02	301 P.I	1		1.79	0	9.60	3.00	28.80	0.00	1.00	0
03	530 PAV	1	T1	0.25	3	3.20	3.30	10.56	8.52	1.00	9
04	601 SOF	1	ZC	0.36	6	3.20	3.30	10.56	22.81	1.00	23
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1211			31	10%	541	18.66	31.7	0.59	

**AMBIENTE : 010322 DOCCE**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	1.30	3.30	3.00	12.9	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	100 P.E	1	T3	0.31	0	3.30	3.00	9.90	0.00	1.00	0

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 010322 DOCCE**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
02	301 P.I	1		1.79	0	5.90	3.00	17.70	0.00	1.00	0
03	530 PAV	1	T1	0.25	22	3.30	1.30	4.29	23.18	1.00	23
04	601 SOF	1	ZC	0.36	6	3.30	1.30	4.29	9.27	1.00	9
<b>TOTALI:</b>		<b>dispv</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			23	10%	35	4.29	12.9	0.33	

**AMBIENTE : 020101 CONFERENCE ROOM**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispv
1	7.0	8.30	8.50	3.00	211.7	9437

efficienza recuperatore = 0.60      potenza recuperata = 5662.5

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	25	8.00	1.50	12.00	92.70	1.00	93
02	100 P.E	1	N	0.31	26	8.00	1.50	12.00	96.41	1.20	116
03	100 P.E	1	W	0.31	26	8.50	3.00	22.59	181.46	1.10	200
04	258 S.E	1	W	1.89	26	1.88	1.55	2.91	142.94	1.10	157
05	100 P.E	1	W	0.31	26	3.50	3.00	7.40	59.45	1.10	65
06	258 S.E	2	W	1.89	26	1.00	1.55	3.10	152.07	1.10	167
07	100 P.E	1	S	0.31	26	1.40	3.00	4.20	33.74	1.00	34
08	301 P.I	1		1.79	0	14.90	3.00	44.70	0.00	1.00	0
09	525 PAV	1	ZC	0.36	6	8.50	8.30	70.55	152.39	1.00	152
10	601 SOF	1	ZC	0.36	6	8.00	4.90	39.20	84.67	1.00	85
11	602 SOF	1		0.26	26	6.40	4.90	31.36	214.44	1.00	214
<b>TOTALI:</b>		<b>dispv</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		9437			1046	10%	5163	95.56	211.7	0.45	

**AMBIENTE : 020201 BAR**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispv
1	5.0	13.10	7.40	3.00	290.8	9263

efficienza recuperatore = 0.60      potenza recuperata = 5557.6

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	101 P.E	1	SW	0.28	26	4.70	1.50	0.30	2.15	1.05	2
02	258 S.E	1	SW	1.89	26	2.50	2.70	6.75	331.11	1.05	348
03	101 P.E	1	S	0.28	26	8.40	3.00	11.70	83.96	1.00	84
04	258 S.E	2	S	1.89	26	2.50	2.70	13.50	662.22	1.00	662
05	101 P.E	1	SE	0.28	26	8.40	3.00	5.81	41.66	1.10	46
06	258 S.E	2	SE	1.89	26	2.50	2.70	13.50	662.22	1.10	728
07	258 S.E	1	SE	1.89	26	1.25	2.70	3.38	165.56	1.10	182
08	258 S.E	1	SE	1.89	26	1.20	2.10	2.52	123.61	1.10	136
09	102 P.E	1	S	0.34	26	1.50	3.00	4.50	40.13	1.00	40
10	301 P.I	1		1.79	0	16.20	3.00	48.60	0.00	1.00	0
11	525 PAV	1	ZC	0.36	6	7.40	13.10	96.94	209.39	1.00	209
12	601 SOF	1	ZC	0.36	6	7.40	13.10	96.94	209.39	1.00	209
<b>TOTALI:</b>		<b>dispv</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		9263			2229	10%	6575	61.95	290.8	0.21	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 020202 DISPENSA**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.5	5.00	3.00	3.00	45.0	717

efficienza recuperatore = 0.60      potenza recuperata = 430.0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	301 P.I	1		1.79	0	15.40	3.00	46.20	0.00	1.00	0
02	525 PAV	1	ZC	0.36	6	3.00	5.00	15.00	32.40	1.00	32
03	601 SOF	1	ZC	0.36	6	3.00	5.00	15.00	32.40	1.00	32
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		717			0	10%		351	0.00	45.0	0.00

**AMBIENTE : 020203 DISTRIBUZIONE**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.5	1.60	7.40	3.00	35.5	1018

efficienza recuperatore = 0.60      potenza recuperata = 610.9

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	303 P.I	1	U1	0.28	10	2.20	3.00	6.60	18.46	1.00	18
02	301 P.I	1		1.79	0	13.80	3.00	41.40	0.00	1.00	0
03	525 PAV	1	ZC	0.36	6	7.40	1.60	11.84	25.57	1.00	26
04	601 SOF	1	ZC	0.36	6	7.40	1.60	11.84	25.57	1.00	26
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1018			18	10%		479	6.60	35.5	0.19

**AMBIENTE : 020204 MAGAZZINO**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	1.30	3.30	3.00	12.9	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	301 P.I	1		1.79	0	9.20	3.00	27.60	0.00	1.00	0
02	525 PAV	1	ZC	0.36	6	3.30	1.30	4.29	9.27	1.00	9
03	601 SOF	1	ZC	0.36	6	3.30	1.30	4.29	9.27	1.00	9
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			0	10%		19	0.00	12.9	0.00

**AMBIENTE : 020205 WC**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	3.70	5.20	3.00	57.7	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	25	3.40	1.50	5.10	39.40	1.00	39
02	100 P.E	1	N	0.31	26	3.40	1.50	5.10	40.97	1.20	49

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 020205 WC**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
03	303 P.I	1	U1	0.28	10	3.70	3.00	11.10	31.04	1.00	31
04	301 P.I	1		1.79	0	15.30	3.00	45.90	0.00	1.00	0
05	525 PAV	1	ZC	0.36	6	5.20	3.70	19.24	41.56	1.00	42
06	601 SOF	1	ZC	0.36	6	5.20	3.70	19.24	41.56	1.00	42
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			120	10%	215	21.30	57.7	0.37	

**AMBIENTE : 020206 DISIMPEGNO**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	6.0	1.70	4.50	3.00	23.0	877

efficienza recuperatore = 0.60      potenza recuperata = 526.3

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	101 P.E	1	S	0.28	26	1.50	3.00	2.61	18.73	1.00	19
02	219 S.E	1	S	1.64	26	0.90	2.10	1.89	80.34	1.00	80
03	301 P.I	1		1.79	0	11.50	3.00	34.50	0.00	1.00	0
04	525 PAV	1	ZC	0.36	6	4.50	1.70	7.65	16.52	1.00	17
05	602 SOF	1		0.26	26	4.50	1.70	7.65	52.31	1.00	52
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		877			151	10%	534	12.15	23.0	0.53	

**AMBIENTE : 020207 SPOGLIATOI ADDETTI**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	4.40	2.00	3.00	26.4	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	101 P.E	1	S	0.28	26	1.70	3.00	5.10	36.60	1.00	37
02	100 P.E	1	T3	0.31	25	4.50	1.50	6.75	52.14	1.00	52
03	100 P.E	1	E	0.31	26	4.50	1.50	2.47	19.81	1.15	23
04	258 S.E	1	E	1.89	26	4.08	1.05	4.28	210.14	1.15	242
05	301 P.I	1		1.79	0	6.40	3.00	19.20	0.00	1.00	0
06	525 PAV	1	ZC	0.36	6	2.00	4.40	8.80	19.01	1.00	19
07	602 SOF	1		0.26	26	2.00	4.40	8.80	60.17	1.00	60
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			413	10%	474	27.40	26.4	1.04	

**AMBIENTE : 020208 UFFICIO**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.5	4.90	4.10	3.00	60.3	960

efficienza recuperatore = 0.60      potenza recuperata = 575.9

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	25	9.40	1.50	14.10	108.92	1.00	109

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 020208 UFFICIO**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
02	100 P.E	1	N	0.31	26	5.30	1.50	7.95	63.87	1.20	77
03	100 P.E	1	E	0.31	26	4.10	1.50	5.04	40.47	1.15	47
04	258 S.E	1	E	1.89	26	1.06	1.05	1.11	54.60	1.15	63
05	301 P.I	1		1.79	0	8.00	3.00	24.00	0.00	1.00	0
06	525 PAV	1	ZC	0.36	6	4.10	4.90	20.09	43.39	1.00	43
07	602 SOF	1		0.26	26	4.10	4.90	20.09	137.38	1.00	137
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		960			432	10%	903	48.29	60.3	0.80	

**AMBIENTE : 020209 ARCHIVIO**

Te = - 6 Ta = 20		<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
		1	0.0	3.50	2.50	3.00	26.3	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	100 P.E	1	T3	0.31	25	3.50	1.50	5.25	40.56	1.00	41
02	100 P.E	1	N	0.31	26	3.50	1.50	5.25	42.18	1.20	51
03	303 P.I	1	U1	0.28	10	3.50	3.00	10.50	29.36	1.00	29
04	301 P.I	1		1.79	0	4.10	3.00	12.30	0.00	1.00	0
05	525 PAV	1	ZC	0.36	6	2.50	3.50	8.75	18.90	1.00	19
06	602 SOF	1		0.26	26	2.50	3.50	8.75	59.83	1.00	60
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			180	10%	217	29.75	26.3	1.13	

**AMBIENTE : 030101 RISTORAZIONE**

Te = - 6 Ta = 20		<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
		1	6.0	16.40	9.70	3.70	588.6	22496

efficienza recuperatore = 0.60      potenza recuperata = 13497.7

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	101 P.E	1	N	0.28	26	2.70	3.70	7.47	53.60	1.20	64
02	258 S.E	1	N	1.89	26	1.20	2.10	2.52	123.61	1.20	148
03	101 P.E	1	SW	0.28	26	12.00	3.70	4.28	30.71	1.05	32
04	258 S.E	1	SW	1.89	26	11.80	3.40	40.12	1968.02	1.05	2066
05	101 P.E	1	S	0.28	26	12.80	3.70	4.52	32.44	1.00	32
06	258 S.E	1	S	1.89	26	12.60	3.40	42.84	2101.44	1.00	2101
07	301 P.I	1		1.79	0	19.00	3.70	70.30	0.00	1.00	0
08	525 PAV	1	ZC	0.36	6	8.40	10.75	90.30	195.05	1.00	195
09	526 PAV	1		0.31	26	3.00	22.90	68.70	560.87	1.00	561
10	600 SOF	1		0.25	26	9.70	16.40	138.02	904.31	1.00	904
11	258 S.E	1		1.89	26	2.60	8.10	21.06	1033.06	1.00	1033
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		22496			6943	10%	16831	329.53	588.6	0.56	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 030102 INGRESSO**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.3	2.40	3.40	3.00	24.5	359

efficienza recuperatore = 0.60

potenza recuperata = 215.2

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	101 P.E	1	SE	0.28	26	2.50	3.00	1.29	9.26	1.10	10
02	258 S.E	1	SE	1.89	26	2.30	2.70	6.21	304.62	1.10	335
03	301 P.I	1		1.79	0	9.40	3.00	28.20	0.00	1.00	0
04	525 PAV	1	ZC	0.36	6	3.40	2.40	8.16	17.63	1.00	18
05	600 SOF	1		0.25	26	3.40	2.40	8.16	53.46	1.00	53
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		359			399	10%	600	15.66	24.5	0.64	

**AMBIENTE : 030103 PRIVE**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	6.10	4.70	3.70	106.1	2703

efficienza recuperatore = 0.60

potenza recuperata = 1621.7

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	101 P.E	1	SE	0.28	26	6.00	3.70	1.90	13.63	1.10	15
02	258 S.E	1	SE	1.89	26	5.80	3.50	20.30	995.78	1.10	1095
03	101 P.E	1	NE	0.28	26	6.10	3.70	20.05	143.88	1.20	173
04	258 S.E	1	NE	1.89	26	1.20	2.10	2.52	123.61	1.20	148
05	301 P.I	1		1.79	0	8.60	3.70	31.82	0.00	1.00	0
06	525 PAV	1	ZC	0.36	6	3.00	3.90	11.70	25.27	1.00	25
07	526 PAV	1		0.31	26	3.20	5.30	16.96	138.46	1.00	138
08	600 SOF	1		0.25	26	4.70	6.10	28.67	187.85	1.00	188
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		2703			1758	10%	3040	90.40	106.1	0.85	

**AMBIENTE : 030201 CUCINA**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	20.0	5.50	7.00	3.70	142.5	18148

efficienza recuperatore = 0.84

potenza recuperata = 15244.4

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	101 P.E	1	NW	0.28	26	9.50	3.70	27.65	198.42	1.15	228
02	258 S.E	2	NW	1.89	26	2.50	1.50	7.50	367.90	1.15	423
03	301 P.I	1		1.79	0	17.20	3.70	63.64	0.00	1.00	0
04	525 PAV	1	ZC	0.36	6	7.00	5.50	38.50	83.16	1.00	83
05	600 SOF	1		0.25	26	7.00	5.50	31.06	203.51	1.00	204
06	258 S.E	1		1.89	26	1.20	6.20	7.44	364.96	1.00	365
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		18148			1220	10%	4329	73.65	142.5	0.52	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 030301 DISTRIBUZIONE**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	7.0	1.70	6.10	3.00	31.1	1387

efficienza recuperatore = 0.60

potenza recuperata = 832.3

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	303 P.I	1	U1	0.28	10	2.20	3.00	6.60	18.46	1.00	18
02	301 P.I	1		1.79	0	9.30	3.00	27.90	0.00	1.00	0
03	525 PAV	1	ZC	0.36	6	6.10	1.70	10.37	22.40	1.00	22
04	600 SOF	1		0.25	26	6.10	1.70	1.52	9.96	1.00	10
05	258 S.E	1		1.89	26	5.90	1.50	8.85	434.12	1.00	434
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1387			463	10%		1086	16.97	31.1	0.55

**AMBIENTE : 030302 WC 1**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	4.00	4.00	3.00	48.0	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	101 P.E	1	N	0.28	26	6.00	3.00	14.25	102.26	1.20	123
02	258 S.E	1	N	1.89	26	2.50	1.50	3.75	183.95	1.20	221
03	303 P.I	1	U1	0.28	10	3.50	3.00	10.50	29.36	1.00	29
04	301 P.I	1		1.79	0	7.00	3.00	21.00	0.00	1.00	0
05	525 PAV	1	ZC	0.36	6	4.00	4.00	16.00	34.56	1.00	35
06	600 SOF	1		0.25	26	4.00	4.00	16.00	104.83	1.00	105
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			478	10%		560	44.50	48.0	0.93

**AMBIENTE : 030303 WC 2**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.0	4.00	2.10	3.00	25.2	0

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	101 P.E	1	N	0.28	26	3.00	3.00	5.25	37.67	1.20	45
02	258 S.E	1	N	1.89	26	2.50	1.50	3.75	183.95	1.20	221
03	301 P.I	1		1.79	0	9.50	3.00	28.50	0.00	1.00	0
04	525 PAV	1	ZC	0.36	6	2.10	4.00	8.40	18.14	1.00	18
05	600 SOF	1		0.25	26	2.10	4.00	8.40	55.04	1.00	55
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		0			321	10%		371	17.40	25.2	0.69

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040101 ALLOGGIO CUSTODE 1**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.5	4.00	4.50	3.00	54.0	172

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	disptra
01	179 P.E	1	S	0.30	26	4.00	3.00	9.01	70.98	1.00	71
02	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
03	258 S.E	1	S	1.89	26	1.00	1.10	1.10	53.96	1.00	54
04	179 P.E	1	W	0.30	26	4.50	3.00	13.50	106.35	1.10	117
05	304 P.I	1		0.30	0	8.50	3.00	25.50	0.00	1.00	0
06	530 PAV	1	T1	0.25	21	4.50	4.00	18.00	93.37	1.00	93
07	610 SOF	1		0.26	26	4.50	4.00	18.00	120.28	1.00	120
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		172			481	10%	701	61.50	54.0	1.14	

**AMBIENTE : 040102 ALLOGGIO CUSTODE 2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	0.5	4.00	4.50	3.00	54.0	172

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	disptra
01	179 P.E	1	S	0.30	26	4.00	3.00	9.01	70.98	1.00	71
02	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
03	258 S.E	1	S	1.89	26	1.00	1.10	1.10	53.96	1.00	54
04	304 P.I	1		0.30	0	13.00	3.00	39.00	0.00	1.00	0
05	530 PAV	1	T1	0.25	17	4.50	4.00	18.00	77.38	1.00	77
06	610 SOF	1		0.26	26	4.50	4.00	18.00	120.28	1.00	120
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		172			348	10%	555	48.00	54.0	0.89	

**AMBIENTE : 040103 WC H 2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	4.00	2.00	3.00	24.0	306

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	disptra
01	179 P.E	1	N	0.30	26	4.00	3.00	11.37	89.57	1.20	107
02	258 S.E	1	N	1.89	26	0.70	0.90	0.63	30.90	1.20	37
03	304 P.I	1		0.30	0	8.00	3.00	24.00	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.00	4.00	8.00	41.95	1.00	42
05	610 SOF	1		0.26	26	2.00	4.00	8.00	53.46	1.00	53
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		306			240	10%	570	28.00	24.0	1.17	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040201 SPOGLIATOIO 1.1**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	3.40	6.40	3.00	65.3	832

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	179 P.E	1	N	0.30	26	3.40	3.00	8.99	70.82	1.20	85
02	258 S.E	1	N	1.89	26	1.10	1.10	1.21	59.35	1.20	71
03	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
06	530 PAV	1	T1	0.25	19	6.40	3.40	21.76	102.73	1.00	103
07	610 SOF	1		0.26	26	6.40	3.40	21.76	145.40	1.00	145
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		832			495	10%	1376	63.92	65.3	0.98	

**AMBIENTE : 040202 DOCCE 1**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	2.00	2.70	3.00	16.2	413

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.00	3.00	5.37	42.30	1.20	51
02	258 S.E	1	N	1.89	26	0.70	0.90	0.63	30.90	1.20	37
03	304 P.I	1		0.30	0	7.40	3.00	22.20	0.00	1.00	0
04	530 PAV	1	T1	0.25	20	2.70	2.00	5.40	26.60	1.00	27
05	610 SOF	1		0.26	26	2.70	2.00	5.40	36.08	1.00	36
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		413			151	10%	578	16.80	16.2	1.04	

**AMBIENTE : 040203 DISIMPEGNO 1**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.00	2.00	3.00	12.0	153

nr	Co-str	q	es	U	dt	lungh	al/la	A	A•U•dt	a.es	dispra
01	304 P.I	1		0.30	0	8.00	3.00	24.00	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	2.00	2.00	4.00	2.23	1.00	2
03	610 SOF	1		0.26	26	2.00	2.00	4.00	26.73	1.00	27
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra•au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		153			29	10%	185	8.00	12.0	0.67	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040204 WC H 3**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	1.80	2.00	3.00	10.8	275

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	2.00	3.00	5.23	41.20	1.00	41
02	258 S.E	1	S	1.89	26	1.10	0.70	0.77	37.77	1.00	38
03	304 P.I	1		0.30	0	5.60	3.00	16.80	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.00	1.80	3.60	19.23	1.00	19
05	610 SOF	1		0.26	26	2.00	1.80	3.60	24.06	1.00	24
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		275			122	10%		410	13.20	10.8	1.22

**AMBIENTE : 040205 SPOGLIATOIO 1.2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	3.40	6.40	3.00	65.3	832

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	3.40	3.00	8.99	70.82	1.20	85
02	258 S.E	1	N	1.89	26	1.10	1.10	1.21	59.35	1.20	71
03	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
06	530 PAV	1	T1	0.25	19	6.40	3.40	21.76	102.73	1.00	103
07	610 SOF	1		0.26	26	6.40	3.40	21.76	145.40	1.00	145
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		832			495	10%		1376	63.92	65.3	0.98

**AMBIENTE : 040206 SPOGLIATOIO 2.1**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	3.40	6.40	3.00	65.3	832

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	3.40	3.00	8.99	70.82	1.20	85
02	258 S.E	1	N	1.89	26	1.10	1.10	1.21	59.35	1.20	71
03	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
06	530 PAV	1	T1	0.25	19	6.40	3.40	21.76	102.73	1.00	103
07	610 SOF	1		0.26	26	6.40	3.40	21.76	145.40	1.00	145
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		832			495	10%		1376	63.92	65.3	0.98

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040207 DOCCE 2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	2.00	2.70	3.00	16.2	413

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	179 P.E	1	N	0.30	26	2.00	3.00	5.37	42.30	1.20	51
02	258 S.E	1	N	1.89	26	0.70	0.90	0.63	30.90	1.20	37
03	304 P.I	1		0.30	0	7.40	3.00	22.20	0.00	1.00	0
04	530 PAV	1	T1	0.25	20	2.70	2.00	5.40	26.60	1.00	27
05	610 SOF	1		0.26	26	2.70	2.00	5.40	36.08	1.00	36
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		413			151	10%		578	16.80	16.2	1.04

**AMBIENTE : 040208 DISIMPEGNO 2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.00	2.00	3.00	12.0	153

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	304 P.I	1		0.30	0	8.00	3.00	24.00	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	2.00	2.00	4.00	2.23	1.00	2
03	610 SOF	1		0.26	26	2.00	2.00	4.00	26.73	1.00	27
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		153			29	10%		185	8.00	12.0	0.67

**AMBIENTE : 040209 WC H 4**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	1.80	2.00	3.00	10.8	275

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	179 P.E	1	S	0.30	26	2.00	3.00	5.23	41.20	1.00	41
02	258 S.E	1	S	1.89	26	1.10	0.70	0.77	37.77	1.00	38
03	304 P.I	1		0.30	0	5.60	3.00	16.80	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.00	1.80	3.60	19.23	1.00	19
05	610 SOF	1		0.26	26	2.00	1.80	3.60	24.06	1.00	24
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(disptr·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		275			122	10%		410	13.20	10.8	1.22

**AMBIENTE : 040210 SPOGLIATOIO 2.2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	3.40	6.40	3.00	65.3	832

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	disptr
01	179 P.E	1	N	0.30	26	3.40	3.00	8.99	70.82	1.20	85

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040210 SPOGLIATOIO 2.2**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
02	258 S.E	1	N	1.89	26	1.10	1.10	1.21	59.35	1.20	71
03	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
06	530 PAV	1	T1	0.25	19	6.40	3.40	21.76	102.73	1.00	103
07	610 SOF	1		0.26	26	6.40	3.40	21.76	145.40	1.00	145
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		832			495	10%	1376	63.92	65.3	0.98	

**AMBIENTE : 040211 SPOGLIATOIO 3.1**

Te = - 6 Ta = 20	<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
	1	2.0	3.40	6.40	3.00	65.3	832

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	3.40	3.00	8.99	70.82	1.20	85
02	258 S.E	1	N	1.89	26	1.10	1.10	1.21	59.35	1.20	71
03	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
06	530 PAV	1	T1	0.25	19	6.40	3.40	21.76	102.73	1.00	103
07	610 SOF	1		0.26	26	6.40	3.40	21.76	145.40	1.00	145
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		832			495	10%	1376	63.92	65.3	0.98	

**AMBIENTE : 040212 DOCCE 3**

Te = - 6 Ta = 20	<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
	1	4.0	2.00	2.70	3.00	16.2	413

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.00	3.00	5.37	42.30	1.20	51
02	258 S.E	1	N	1.89	26	0.70	0.90	0.63	30.90	1.20	37
03	304 P.I	1		0.30	0	7.40	3.00	22.20	0.00	1.00	0
04	530 PAV	1	T1	0.25	20	2.70	2.00	5.40	26.60	1.00	27
05	610 SOF	1		0.26	26	2.70	2.00	5.40	36.08	1.00	36
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		413			151	10%	578	16.80	16.2	1.04	

**AMBIENTE : 040213 DISIMPEGNO 3**

Te = - 6 Ta = 20	<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
	1	2.0	2.00	2.00	3.00	12.0	153

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	304 P.I	1		0.30	0	8.00	3.00	24.00	0.00	1.00	0

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040213 DISIMPEGNO 3**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
02	530 PAV	1	T1	0.25	2	2.00	2.00	4.00	2.23	1.00	2
03	610 SOF	1		0.26	26	2.00	2.00	4.00	26.73	1.00	27
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		153			29	10%	185	8.00	12.0	0.67	

**AMBIENTE : 040214 WC H 5**

Te = - 6 Ta = 20		<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
		1	4.0	1.80	2.00	3.00	10.8	275

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	2.00	3.00	5.23	41.20	1.00	41
02	258 S.E	1	S	1.89	26	1.10	0.70	0.77	37.77	1.00	38
03	304 P.I	1		0.30	0	5.60	3.00	16.80	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.00	1.80	3.60	19.23	1.00	19
05	610 SOF	1		0.26	26	2.00	1.80	3.60	24.06	1.00	24
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		275			122	10%	410	13.20	10.8	1.22	

**AMBIENTE : 040215 SPOGLIATOIO 3.2**

Te = - 6 Ta = 20		<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
		1	2.0	3.40	6.40	3.00	65.3	832

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	3.40	3.00	8.99	70.82	1.20	85
02	258 S.E	1	N	1.89	26	1.10	1.10	1.21	59.35	1.20	71
03	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
06	530 PAV	1	T1	0.25	19	6.40	3.40	21.76	102.73	1.00	103
07	610 SOF	1		0.26	26	6.40	3.40	21.76	145.40	1.00	145
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		832			495	10%	1376	63.92	65.3	0.98	

**AMBIENTE : 040216 WC 3**

Te = - 6 Ta = 20		<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
		1	4.0	2.50	1.60	3.00	12.0	306

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.50	3.00	6.73	53.02	1.20	64
02	258 S.E	1	N	1.89	26	1.10	0.70	0.77	37.77	1.20	45
03	304 P.I	1		0.30	0	5.70	3.00	17.10	0.00	1.00	0
04	530 PAV	1	T1	0.25	22	1.60	2.50	4.00	21.78	1.00	22
05	610 SOF	1		0.26	26	1.60	2.50	4.00	26.73	1.00	27
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		306			157	10%	479	15.50	12.0	1.29	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040217 SPOGLIATOIO ARBITRO 1**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.50	4.90	3.00	36.8	468

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
02	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
03	304 P.I	1		0.30	0	12.30	3.00	36.90	0.00	1.00	0
04	530 PAV	1	T1	0.25	18	4.90	2.50	12.25	55.96	1.00	56
05	610 SOF	1		0.26	26	4.90	2.50	12.25	81.85	1.00	82
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		468			229	10%		720	34.70	36.8	0.94

**AMBIENTE : 040218 WC H 6**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	2.50	1.80	3.00	13.5	344

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.50	3.00	6.73	53.02	1.20	64
02	258 S.E	1	N	1.89	26	1.10	0.70	0.77	37.77	1.20	45
03	179 P.E	1	E	0.30	26	1.80	3.00	5.40	42.54	1.15	49
04	304 P.I	1		0.30	0	4.30	3.00	12.90	0.00	1.00	0
05	530 PAV	1	T1	0.25	23	1.80	2.50	4.50	25.87	1.00	26
06	610 SOF	1		0.26	26	1.80	2.50	4.50	30.07	1.00	30
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		344			214	10%		579	21.90	13.5	1.62

**AMBIENTE : 040219 INFERMERIA**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.50	4.70	3.00	35.3	449

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	2.50	3.00	5.61	44.20	1.00	44
02	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
03	179 P.E	1	E	0.30	26	4.70	3.00	14.10	111.08	1.15	128
04	304 P.I	1		0.30	0	7.20	3.00	21.60	0.00	1.00	0
05	530 PAV	1	T1	0.25	22	4.70	2.50	11.75	63.77	1.00	64
06	610 SOF	1		0.26	26	4.70	2.50	11.75	78.51	1.00	79
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		449			340	10%		823	45.10	35.3	1.28

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040301 SPOGLIATOIO 1.1**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	4.20	6.40	3.00	80.6	1027

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	4.20	3.00	11.06	87.13	1.20	105
02	258 S.E	2	N	1.89	26	0.70	1.10	1.54	75.54	1.20	91
03	179 P.E	1	S	0.30	26	4.20	3.00	9.94	78.31	1.00	78
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	258 S.E	1	S	1.89	26	0.70	1.10	0.77	37.77	1.00	38
06	179 P.E	1	W	0.30	26	6.40	3.00	19.20	151.26	1.10	166
07	304 P.I	1		0.30	0	6.40	3.00	19.20	0.00	1.00	0
08	530 PAV	1	T1	0.25	21	6.40	4.20	26.88	143.37	1.00	143
09	610 SOF	1		0.26	26	6.40	4.20	26.88	179.61	1.00	180

TOTALI:	dispvol	+	(dispra·au%)	=	A	volume	S/V		
	1027		826	10%	1936	98.16	80.6	1.22	

**AMBIENTE : 040302 DOCCE 4**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	2.00	2.70	3.00	16.2	413

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.00	3.00	5.37	42.30	1.20	51
02	258 S.E	1	N	1.89	26	0.70	0.90	0.63	30.90	1.20	37
03	304 P.I	1		0.30	0	7.40	3.00	22.20	0.00	1.00	0
04	530 PAV	1	T1	0.25	20	2.70	2.00	5.40	26.60	1.00	27
05	610 SOF	1		0.26	26	2.70	2.00	5.40	36.08	1.00	36

TOTALI:	dispvol	+	(dispra·au%)	=	A	volume	S/V		
	413		151	10%	578	16.80	16.2	1.04	

**AMBIENTE : 040303 DISIMPEGNO 4**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.00	2.00	3.00	12.0	153

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	304 P.I	1		0.30	0	8.00	3.00	24.00	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	2.00	2.00	4.00	2.23	1.00	2
03	610 SOF	1		0.26	26	2.00	2.00	4.00	26.73	1.00	27

TOTALI:	dispvol	+	(dispra·au%)	=	A	volume	S/V		
	153		29	10%	185	8.00	12.0	0.67	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040304 WC H 7**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	1.80	2.00	3.00	10.8	275

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	2.00	3.00	5.23	41.20	1.00	41
02	258 S.E	1	S	1.89	26	1.10	0.70	0.77	37.77	1.00	38
03	304 P.I	1		0.30	0	5.60	3.00	16.80	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.00	1.80	3.60	19.23	1.00	19
05	610 SOF	1		0.26	26	2.00	1.80	3.60	24.06	1.00	24
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		275			122	10%	410	13.20	10.8	1.22	

**AMBIENTE : 040305 SPOGLIATOIO 1.2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	4.20	6.40	3.00	80.6	1027

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	4.20	3.00	11.06	87.13	1.20	105
02	258 S.E	2	N	1.89	26	0.70	1.10	1.54	75.54	1.20	91
03	179 P.E	1	S	0.30	26	4.20	3.00	9.94	78.31	1.00	78
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	258 S.E	1	S	1.89	26	0.70	1.10	0.77	37.77	1.00	38
06	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
07	530 PAV	1	T1	0.25	19	6.40	4.20	26.88	126.91	1.00	127
08	610 SOF	1		0.26	26	6.40	4.20	26.88	179.61	1.00	180
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1027			643	10%	1735	78.96	80.6	0.98	

**AMBIENTE : 040306 SPOGLIATOIO 2.1**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	4.20	6.40	3.00	80.6	1027

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	4.20	3.00	11.06	87.13	1.20	105
02	258 S.E	2	N	1.89	26	0.70	1.10	1.54	75.54	1.20	91
03	179 P.E	1	S	0.30	26	4.20	3.00	9.94	78.31	1.00	78
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	258 S.E	1	S	1.89	26	0.70	1.10	0.77	37.77	1.00	38
06	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
07	530 PAV	1	T1	0.25	19	6.40	4.20	26.88	126.91	1.00	127
08	610 SOF	1		0.26	26	6.40	4.20	26.88	179.61	1.00	180
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1027			643	10%	1735	78.96	80.6	0.98	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040307 DOCCE 5**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	2.00	2.70	3.00	16.2	413

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.00	3.00	5.37	42.30	1.20	51
02	258 S.E	1	N	1.89	26	0.70	0.90	0.63	30.90	1.20	37
03	304 P.I	1		0.30	0	7.40	3.00	22.20	0.00	1.00	0
04	530 PAV	1	T1	0.25	20	2.70	2.00	5.40	26.60	1.00	27
05	610 SOF	1		0.26	26	2.70	2.00	5.40	36.08	1.00	36

TOTALI:	dispvol	+	(dispra·au%)	=	A	volume	S/V		
	413		151 10%		578	16.80	16.2	1.04	

**AMBIENTE : 040308 DISIMPEGNO 5**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.00	2.00	3.00	12.0	153

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	304 P.I	1		0.30	0	8.00	3.00	24.00	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	2.00	2.00	4.00	2.23	1.00	2
03	610 SOF	1		0.26	26	2.00	2.00	4.00	26.73	1.00	27

TOTALI:	dispvol	+	(dispra·au%)	=	A	volume	S/V		
	153		29 10%		185	8.00	12.0	0.67	

**AMBIENTE : 040309 WC H 8**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	1.80	2.00	3.00	10.8	275

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	2.00	3.00	5.23	41.20	1.00	41
02	258 S.E	1	S	1.89	26	1.10	0.70	0.77	37.77	1.00	38
03	304 P.I	1		0.30	0	5.60	3.00	16.80	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.00	1.80	3.60	19.23	1.00	19
05	610 SOF	1		0.26	26	2.00	1.80	3.60	24.06	1.00	24

TOTALI:	dispvol	+	(dispra·au%)	=	A	volume	S/V		
	275		122 10%		410	13.20	10.8	1.22	

**AMBIENTE : 040310 SPOGLIATOIO 2.2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	4.20	6.40	3.00	80.6	1027

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	4.20	3.00	11.06	87.13	1.20	105

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040310 SPOGLIATOIO 2.2**

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
02	258 S.E	2	N	1.89	26	0.70	1.10	1.54	75.54	1.20	91
03	179 P.E	1	S	0.30	26	4.20	3.00	9.94	78.31	1.00	78
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	258 S.E	1	S	1.89	26	0.70	1.10	0.77	37.77	1.00	38
06	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
07	530 PAV	1	T1	0.25	19	6.40	4.20	26.88	126.91	1.00	127
08	610 SOF	1		0.26	26	6.40	4.20	26.88	179.61	1.00	180
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1027			643	10%	1735	78.96	80.6	0.98	

**AMBIENTE : 040311 SPOGLIATOIO 3.1**

Te = - 6	<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
Ta = 20	1	2.0	4.20	6.40	3.00	80.6	1027

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	4.20	3.00	11.06	87.13	1.20	105
02	258 S.E	2	N	1.89	26	0.70	1.10	1.54	75.54	1.20	91
03	179 P.E	1	S	0.30	26	4.20	3.00	9.94	78.31	1.00	78
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	258 S.E	1	S	1.89	26	0.70	1.10	0.77	37.77	1.00	38
06	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
07	530 PAV	1	T1	0.25	19	6.40	4.20	26.88	126.91	1.00	127
08	610 SOF	1		0.26	26	6.40	4.20	26.88	179.61	1.00	180
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		1027			643	10%	1735	78.96	80.6	0.98	

**AMBIENTE : 040312 DOCCE 6**

Te = - 6	<b>q</b>	<b>ric</b>	<b>largh</b>	<b>lungh</b>	<b>altez</b>	<b>volume</b>	<b>dispvol</b>
Ta = 20	1	4.0	2.00	2.70	3.00	16.2	413

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.00	3.00	5.37	42.30	1.20	51
02	258 S.E	1	N	1.89	26	0.70	0.90	0.63	30.90	1.20	37
03	304 P.I	1		0.30	0	7.40	3.00	22.20	0.00	1.00	0
04	530 PAV	1	T1	0.25	20	2.70	2.00	5.40	26.60	1.00	27
05	610 SOF	1		0.26	26	2.70	2.00	5.40	36.08	1.00	36
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		413			151	10%	578	16.80	16.2	1.04	

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040313 DISIMPEGNO 6**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.00	2.00	3.00	12.0	153

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	304 P.I	1		0.30	0	8.00	3.00	24.00	0.00	1.00	0
02	530 PAV	1	T1	0.25	2	2.00	2.00	4.00	2.23	1.00	2
03	610 SOF	1		0.26	26	2.00	2.00	4.00	26.73	1.00	27
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		153			29	10%		185	8.00	12.0	0.67

**AMBIENTE : 040314 WC H 9**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	1.80	2.00	3.00	10.8	275

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	2.00	3.00	5.23	41.20	1.00	41
02	258 S.E	1	S	1.89	26	1.10	0.70	0.77	37.77	1.00	38
03	304 P.I	1		0.30	0	5.60	3.00	16.80	0.00	1.00	0
04	530 PAV	1	T1	0.25	21	2.00	1.80	3.60	19.23	1.00	19
05	610 SOF	1		0.26	26	2.00	1.80	3.60	24.06	1.00	24
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		275			122	10%		410	13.20	10.8	1.22

**AMBIENTE : 040315 SPOGLIATOIO 3.2**

Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	3.80	6.40	3.00	73.0	930

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	3.80	3.00	9.86	77.68	1.20	93
02	258 S.E	2	N	1.89	26	0.70	1.10	1.54	75.54	1.20	91
03	179 P.E	1	S	0.30	26	3.80	3.00	8.74	68.85	1.00	69
04	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
05	258 S.E	1	S	1.89	26	0.70	1.10	0.77	37.77	1.00	38
06	304 P.I	1		0.30	0	12.80	3.00	38.40	0.00	1.00	0
07	530 PAV	1	T1	0.25	19	6.40	3.80	24.32	114.82	1.00	115
08	610 SOF	1		0.26	26	6.40	3.80	24.32	162.51	1.00	163
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>		<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>	
		930			593	10%		1582	71.44	73.0	0.98

## 3.0 CARICHI TERMICI INVERNALI

**CALCOLO DISPERSIONI DI CALORE PER SINGOLO AMBIENTE****AMBIENTE : 040316 WC 4**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	4.0	2.50	1.60	3.00	12.0	306

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	N	0.30	26	2.50	3.00	6.73	53.02	1.20	64
02	258 S.E	1	N	1.89	26	1.10	0.70	0.77	37.77	1.20	45
03	304 P.I	1		0.30	0	5.70	3.00	17.10	0.00	1.00	0
04	530 PAV	1	T1	0.25	22	1.60	2.50	4.00	21.78	1.00	22
05	610 SOF	1		0.26	26	1.60	2.50	4.00	26.73	1.00	27
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>	<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>		
		306		157	10%	479	15.50	12.0	1.29		

**AMBIENTE : 040317 SPOGLIATOIO ARBITRO 2**Te = - 6  
Ta = 20

q	ric	largh	lungh	altez	volume	dispvol
1	2.0	2.50	4.90	3.00	36.8	468

nr	Co-str	q	es	U	dt	lungh	al/la	A	A·U·dt	a.es	dispra
01	179 P.E	1	S	0.30	26	3.40	3.00	8.31	65.47	1.00	65
02	234 S.E	1	S	0.52	26	0.90	2.10	1.89	25.41	1.00	25
03	304 P.I	1		0.30	0	12.30	3.00	36.90	0.00	1.00	0
04	530 PAV	1	T1	0.25	18	4.90	2.50	12.25	55.96	1.00	56
05	610 SOF	1		0.26	26	4.90	2.50	12.25	81.85	1.00	82
<b>TOTALI:</b>		<b>dispvol</b>	<b>+</b>	<b>(dispra·au%)</b>		<b>=</b>	<b>A</b>	<b>volume</b>	<b>S/V</b>		
		468		229	10%	720	34.70	36.8	0.94		