

Szczegółowe tabele doboru pomp ciepła

SOLIS

Typ PC	Moc grzewcza						Moc elektr. Max kW	COP - średni eksploatacyjny / minimalny w zależności od aplikacji					
	dla Tźródło / T odbiór (°C)							kolektor płaski		sonda głębinowa		studnia głębinowa	
	0/35	0/55	5/35	5/55	8/35	8/55		podłogowe	grzejnikowe	podłogowe	grzejnikowe	podłogowe	grzejnikowe
SO-060	4.8	4.4	5.7	5.1	6.3	5.6	2.3	4.2/3.3	2.7/2.3	4.3/3.8	3/2.4	4.7/4.4	3.2/2.9
SO-080	6.2	5.7	7.3	6.6	8.1	7.2	3.0	4.3/3.4	2.7/2.3	4.4/3.9	3/2.4	4.8/4.4	3.2/2.9
SO-090	7.4	6.8	8.7	7.9	9.6	8.6	3.6	4.3/3.4	2.7/2.3	4.4/3.9	3/2.4	4.8/4.4	3.2/2.9
SO-100	8.6	8.0	10.2	9.2	11.3	10.1	4.2	4.3/3.4	2.7/2.3	4.4/3.9	3/2.4	4.8/4.5	3.2/2.9
SO-130	10.7	9.8	12.6	11.3	13.8	12.4	5.0	4.3/3.5	2.8/2.4	4.5/4	3.1/2.5	4.9/4.5	3.3/3
SO-160	13.0	11.7	15.4	13.7	17.1	15.0	5.9	4.3/3.5	2.8/2.5	4.5/3.9	3.1/2.5	4.8/4.5	3.3/3
SO-190	15.6	14.0	18.4	16.3	20.3	17.9	6.9	4.5/3.6	2.9/2.4	4.6/4.1	3.2/2.6	5/4.6	3.4/3.1
SO-210	17.5	15.9	20.7	18.4	22.9	20.1	8.0	4.5/3.6	2.9/2.4	4.6/4.1	3.1/2.5	5/4.6	3.3/3
SO-260	21.6	19.0	25.3	22.3	27.8	24.5	9.5	4.6/3.7	2.9/2.4	4.7/4.2	3.2/2.5	5.1/4.7	3.4/3.1
SO-290	24.1	21.5	28.4	25.0	31.3	27.4	10.0	4.7/3.7	3/2.5	4.8/4.2	3.3/2.7	5.1/4.8	3.5/3.2
SO-340	28.1	25.1	33.1	29.2	36.5	32.0	12.1	4.7/3.7	3/2.5	4.8/4.2	3.3/2.7	5.2/4.8	3.5/3.2
SO-390	32.1	28.2	37.8	33.2	41.7	36.4	13.7	4.7/3.8	3/2.5	4.8/4.3	3.3/2.6	5.2/4.8	3.5/3.2
SO-430	35.0	30.2	41.9	35.7	46.5	39.5	15.4	4.5/3.6	2.8/2.3	4.6/4.1	3.1/2.5	5.1/4.7	3.4/3.1
SO-500	41.4	36.4	48.8	42.8	53.8	46.9	18.1	4.5/3.6	2.9/2.4	4.6/4.1	3.2/2.6	4.9/4.6	3.4/3.1
SO-650	55.1	49.5	64.8	57.3	71.4	62.7	24.2	4.5/3.7	2.9/2.5	4.6/4.1	3.2/2.6	5/4.6	3.4/3.1
SO-800	69.0	61.0	81.8	70.8	90.5	77.5	30.1	4.6/3.6	2.9/2.4	4.7/4.1	3.2/2.6	5/4.7	3.4/3.1
SO-900	84.6	73.8	100.5	87.1	111.0	95.9	35.6	4.7/3.8	3/2.5	4.8/4.3	3.3/2.7	5.2/4.8	3.5/3.2

Pompa ciepła typ:

SO-060

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	2.6	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.4
	35	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.3
	37	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.6	4.8	5.0	5.3	5.5	5.7	5.9	6.1
	39	2.3	2.5	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.0
	41	2.3	2.4	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.6	3.7	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.9
	43	2.2	2.3	2.4	2.6	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7
	45	2.1	2.2	2.4	2.5	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.6
	47	2.0	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4
	49	2.0	2.1	2.2	2.3	2.4	2.6	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	4.8	5.0	5.3
	51			2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	4.0	4.1	4.3	4.5	4.7	4.9	5.1
	53					2.2	2.4	2.5	2.6	2.8	2.9	3.1	3.2	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9
	55						2.3	2.4	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8
	57							2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.4	3.6	3.7	3.9	4.0	4.2	4.4	4.6	4.8
	59									2.6	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.7	3.9	4.1	4.2	4.4	4.6
	61										2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.7	3.9	4.1	4.2	4.4	4.6
	63														2.8	3.0	3.1	3.3	3.4	3.6	3.7	3.9	4.1
65																3.0	3.1	3.3	3.4	3.6	3.7	3.9	

Pobór mocy kW

Temperatura zasilania	33	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	35	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	37	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	39	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	41	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	43	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	45	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4
	47	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	49	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	51			1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	53					1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
	55						1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	57								2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	59									2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	61											2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	63														2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
65																2.3	2.3	2.3	2.3	2.3	2.3	

Moc grzewcza kW

Temperatura zasilania	33	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.5	6.8	7.0	7.2
	35	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1
	37	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
	39	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.7	7.0
	41	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9
	43	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.6	6.8
	45	3.4	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.7
	47	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.6
	49	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.3	6.5
	51			3.6	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.6	5.7	5.9	6.1	6.3	6.5
	53					3.9	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.8	6.0	6.2	6.4
	55						4.0	4.1	4.2	4.3	4.4	4.6	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.8	5.9	6.1	6.3
	57								4.2	4.3	4.4	4.5	4.7	4.8	4.9	5.1	5.2	5.4	5.5	5.7	5.9	6.0	6.2
	59									4.4	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.5	5.6	5.8	5.9	6.1	6.3
	61										4.6	4.7	4.9	5.0	5.1	5.3	5.4	5.6	5.7	5.9	6.0	6.2	6.4
	63														4.8	5.0	5.1	5.2	5.4	5.5	5.6	5.8	5.9
65																5.0	5.2	5.3	5.4	5.6	5.7	5.9	

Współczynnik sprawności COP

Temperatura zasilania	33	3.2	3.4	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.1	6.4	6.6	6.8
	35	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.7	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
	37	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.5	5.6	5.8	6.0
	39	2.7	2.9	2.9	3.1	3.1	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.6	4.8	4.9	5.1	5.3	5.5	5.7
	41	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.7	4.8	5.0	5.2	5.4
	43	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.9	5.0
	45	2.3	2.4	2.5	2.6	2.7	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.7
	47	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4
	49	2.1	2.2	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2
	51			2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9
	53					2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.3	3.3	3.5	3.6	3.7
	55						2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.5
	57								2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	2.9	3.1	3.2	3.2
	59										2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1
	61											2.2	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	2.9
	63														2.1	2.2	2.3	2.3	2.4	2.5			

Pompa ciepła typ:

SO-080

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.0	6.3	6.6	6.8	7.1	7.4	7.7	8.0	8.3
	35	3.3	3.4	3.6	3.8	4.0	4.1	4.3	4.5	4.8	5.0	5.2	5.4	5.7	5.9	6.2	6.4	6.7	7.0	7.2	7.5	7.8	8.1
	37	3.2	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.1	7.4	7.6	7.9
	39	3.1	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.2	7.5	7.8
	41	3.0	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.7	6.0	6.2	6.5	6.7	7.0	7.3	7.6
	43	2.9	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1	7.4
	45	2.8	2.9	3.1	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.7	6.9	7.2
	47	2.7	2.8	3.0	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0
	49	2.6	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.2	4.4	4.7	4.9	5.1	5.3	5.5	5.8	6.0	6.3	6.5	6.8
	51			2.7	2.9	3.1	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.8	6.1	6.3	6.6
	53					2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.1	4.3	4.5	4.7	5.0	5.2	5.4	5.6	5.9	6.1	6.4
	55						3.0	3.1	3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.7	5.9	6.2
	57								3.2	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	5.9
	59										3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.7
	61												3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5
	63														3.7	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.3
65																3.9	4.0	4.2	4.4	4.6	4.8	5.0	

Pobór mocy kW

Temperatura zasilania	33	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	35	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4
	37	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	39	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	41	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	43	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7
	45	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
	47	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9
	49	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0
	51			2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
	53					2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2
	55						2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
	57								2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
	59										2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	61												2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	63														2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
65																3.0	3.0	3.0	3.0	3.0	3.0	3.0	

Moc grzewcza kW

Temperatura zasilania	33	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.3	6.5	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.7	9.0	9.3
	35	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.4	8.6	8.9	9.2
	37	4.5	4.7	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.6	8.8	9.1
	39	4.5	4.7	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	7.0	7.2	7.4	7.7	7.9	8.2	8.5	8.7	9.0
	41	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.4	7.6	7.9	8.1	8.4	8.6	8.9
	43	4.5	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.8	8.0	8.3	8.5	8.8
	45	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.6	6.8	7.0	7.2	7.4	7.7	7.9	8.2	8.4	8.7
	47	4.4	4.6	4.7	4.9	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.4	7.6	7.8	8.1	8.3	8.6
	49	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.7	8.0	8.2	8.4
	51			4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.9	8.1	8.3
	53					5.0	5.1	5.3	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.8	8.0	8.2
	55						5.1	5.3	5.4	5.6	5.7	5.9	6.1	6.3	6.4	6.6	6.8	7.0	7.2	7.4	7.7	7.9	8.1
	57								5.4	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.8	6.9	7.1	7.4	7.6	7.8	8.0
	59										5.7	5.8	6.0	6.2	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9
	61												6.0	6.1	6.3	6.5	6.6	6.8	7.0	7.2	7.4	7.6	7.8
	63														6.2	6.4	6.6	6.7	6.9	7.1	7.3	7.5	7.7
65																6.5	6.7	6.8	7.0	7.2	7.4	7.6	

Współczynnik sprawności COP

Temperatura zasilania	33	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.2	5.4	5.5	5.8	6.0	6.2	6.4	6.6	6.9
	35	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.3	4.4	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.5
	37	2.9	3.0	3.1	3.3	3.3	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1
	39	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.4	5.5	5.7
	41	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.4
	43	2.5	2.6	2.7	2.8	2.8	3.0	3.0	3.2	3.3	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.1
	45	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.5	4.6	4.8
	47	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5
	49	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2
	51			2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9
	53					2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7
	55						2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
	57								2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
	59										2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1
	61												2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.9
	63																						

Pompa ciepła typ:

SO-090

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.5	5.8	6.1	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.8	9.1	9.5	9.8
	35	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.5	6.7	7.0	7.3	7.6	7.9	8.3	8.6	8.9	9.3	9.6
	37	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.1	9.4
	39	3.7	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.9	9.2
	41	3.5	3.7	3.9	4.1	4.3	4.5	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.8	7.1	7.4	7.7	8.0	8.3	8.7	9.0
	43	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.5	8.8
	45	3.3	3.5	3.7	3.9	4.0	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.2	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.6
	47	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.8	7.1	7.4	7.7	8.0	8.3
	49	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1
	51			3.3	3.5	3.6	3.8	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.4	6.7	6.9	7.2	7.5	7.8
	53					3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.6	5.9	6.2	6.4	6.7	7.0	7.3	7.6
	55						3.5	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.2	5.4	5.7	5.9	6.2	6.5	6.7	7.0	7.3
	57								3.8	3.9	4.1	4.3	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.8	7.1
	59										4.0	4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.7	6.0	6.3	6.5	6.8
	61												4.2	4.4	4.6	4.8	5.0	5.3	5.5	5.7	6.0	6.3	6.5
	63														4.4	4.6	4.8	5.0	5.3	5.5	5.7	6.0	6.3
65																4.6	4.8	5.0	5.3	5.5	5.7	6.0	

Pobór mocy kW

Temperatura zasilania	33	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	35	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	37	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	39	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	41	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	43	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	45	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	47	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	49	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	51			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	53					2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
	55						2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	57								3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9
	59										3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
	61												3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2
	63														3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
65																3.6	3.6	3.6	3.5	3.5	3.5	

Moc grzewcza kW

Temperatura zasilania	33	5.4	5.6	5.8	6.0	6.2	6.5	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.4	10.7	11.0
	35	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.2	8.4	8.7	9.0	9.3	9.6	9.9	10.3	10.6	10.9
	37	5.4	5.5	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.4	8.6	8.9	9.2	9.5	9.8	10.1	10.5	10.8
	39	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.8	7.0	7.2	7.5	7.7	8.0	8.3	8.5	8.8	9.1	9.4	9.7	10.0	10.4	10.7
	41	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.7	9.0	9.3	9.6	9.9	10.2	10.6
	43	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.7	6.9	7.1	7.4	7.6	7.8	8.1	8.4	8.6	8.9	9.2	9.5	9.8	10.1	10.4
	45	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.8	8.0	8.3	8.6	8.8	9.1	9.4	9.7	10.0	10.3
	47	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.5	7.7	7.9	8.2	8.5	8.7	9.0	9.3	9.6	9.9	10.2
	49	5.3	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.4	8.6	8.9	9.2	9.4	9.7	10.0
	51			5.6	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.6	7.8	8.0	8.3	8.5	8.8	9.1	9.3	9.6	9.9
	53					5.9	6.1	6.3	6.5	6.6	6.8	7.1	7.3	7.5	7.7	7.9	8.2	8.4	8.7	8.9	9.2	9.5	9.8
	55						6.1	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.9	8.1	8.3	8.6	8.8	9.1	9.4	9.6
	57								6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.5	8.7	9.0	9.2	9.5
	59										6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.2	8.4	8.6	8.9	9.1	9.4
	61												7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.8	9.0	9.2
	63														7.4	7.6	7.8	8.0	8.2	8.4	8.7	8.9	9.1
65																7.7	7.9	8.1	8.3	8.6	8.8	9.0	

Współczynnik sprawności COP

Temperatura zasilania	33	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.3	6.5	6.7	7.0
	35	3.1	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5
	37	3.0	3.0	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.2
	39	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.2	5.4	5.6	5.8
	41	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.1	5.2	5.4
	43	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.8	4.9	5.1
	45	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8
	47	2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.5
	49	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2
	51			2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0
	53					2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
	55						2.2	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
	57								2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
	59										2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1
	61												2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9
	63														2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.6	

Pompa ciepła typ:

SO-100

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.5	6.8	7.1	7.4	7.8	8.1	8.4	8.8	9.1	9.5	9.9	10.3	10.7	11.1	11.5
	35	4.6	4.8	5.0	5.3	5.5	5.8	6.1	6.3	6.6	6.9	7.3	7.6	7.9	8.2	8.6	9.0	9.3	9.7	10.1	10.5	10.9	11.3
	37	4.4	4.6	4.9	5.1	5.4	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.9	10.3	10.7	11.1
	39	4.3	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.9	8.2	8.5	8.9	9.3	9.6	10.0	10.4	10.8
	41	4.1	4.4	4.6	4.8	5.1	5.3	5.6	5.9	6.1	6.4	6.7	7.0	7.3	7.7	8.0	8.3	8.7	9.0	9.4	9.8	10.2	10.6
	43	4.0	4.2	4.4	4.7	4.9	5.2	5.4	5.7	5.9	6.2	6.5	6.8	7.1	7.4	7.8	8.1	8.5	8.8	9.2	9.5	9.9	10.3
	45	3.9	4.1	4.3	4.5	4.8	5.0	5.2	5.5	5.8	6.0	6.3	6.6	6.9	7.2	7.6	7.9	8.2	8.6	8.9	9.3	9.7	10.0
	47	3.7	3.9	4.1	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.3	8.7	9.0	9.4	9.8
	49	3.6	3.8	4.0	4.2	4.4	4.7	4.9	5.1	5.4	5.7	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8.1	8.4	8.8	9.1	9.5
	51			3.8	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.5	8.8	9.2
	53					4.1	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.1	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.5	8.9
	55						4.2	4.4	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.3	8.6
	57								4.4	4.6	4.9	5.1	5.3	5.6	5.9	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.3
	59										4.7	4.9	5.1	5.4	5.6	5.9	6.2	6.4	6.7	7.0	7.3	7.7	8.0
	61											4.9	5.1	5.4	5.6	5.9	6.2	6.5	6.7	7.0	7.3	7.7	8.0
	63														5.2	5.4	5.7	5.9	6.2	6.5	6.7	7.0	7.3
65																5.4	5.6	5.9	6.2	6.4	6.7	7.0	

Pobór mocy kW

Temperatura zasilania	33	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	35	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	37	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	39	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	41	2.3	2.3	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	43	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	45	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
	47	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	49	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	51			3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
	53					3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	55						3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
	57								3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	59										3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5
	61											3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7
	63														4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9
65																4.2	4.1	4.1	4.1	4.1	4.1	

Moc grzewcza kW

Temperatura zasilania	33	6.4	6.6	6.8	7.1	7.3	7.6	7.9	8.1	8.4	8.7	9.0	9.3	9.7	10.0	10.3	10.7	11.0	11.4	11.8	12.2	12.6	13.0
	35	6.3	6.6	6.8	7.0	7.3	7.5	7.8	8.1	8.4	8.6	8.9	9.3	9.6	9.9	10.2	10.6	10.9	11.3	11.7	12.0	12.4	12.8
	37	6.3	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.3	12.7
	39	6.3	6.5	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.4	10.7	11.1	11.4	11.8	12.2	12.5
	41	6.2	6.4	6.7	6.9	7.1	7.4	7.6	7.9	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.3	10.6	10.9	11.3	11.6	12.0	12.4
	43	6.2	6.4	6.6	6.8	7.1	7.3	7.6	7.8	8.1	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.2
	45	6.2	6.4	6.6	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.5	8.8	9.1	9.4	9.7	10.0	10.4	10.7	11.0	11.4	11.7	12.1
	47	6.2	6.4	6.6	6.8	7.0	7.2	7.5	7.7	7.9	8.2	8.5	8.7	9.0	9.3	9.6	9.9	10.2	10.6	10.9	11.2	11.6	11.9
	49	6.2	6.3	6.5	6.7	7.0	7.2	7.4	7.6	7.9	8.1	8.4	8.7	8.9	9.2	9.5	9.8	10.1	10.4	10.8	11.1	11.4	11.8
	51			6.5	6.7	6.9	7.1	7.4	7.6	7.8	8.1	8.3	8.6	8.9	9.1	9.4	9.7	10.0	10.3	10.6	10.9	11.3	11.6
	53					6.9	7.1	7.3	7.6	7.8	8.0	8.3	8.5	8.8	9.0	9.3	9.6	9.9	10.2	10.5	10.8	11.1	11.4
	55						7.1	7.3	7.5	7.7	8.0	8.2	8.4	8.7	9.0	9.2	9.5	9.8	10.1	10.4	10.7	11.0	11.3
	57								7.5	7.7	7.9	8.1	8.4	8.6	8.9	9.1	9.4	9.7	9.9	10.2	10.5	10.8	11.1
	59										7.9	8.1	8.3	8.6	8.8	9.0	9.3	9.6	9.8	10.1	10.4	10.7	11.0
	61											8.3	8.5	8.7	9.0	9.2	9.5	9.7	10.0	10.3	10.5	10.8	11.1
	63														8.7	8.9	9.1	9.4	9.6	9.9	10.1	10.4	10.7
65																9.0	9.3	9.5	9.8	10.0	10.3	10.5	

Współczynnik sprawności COP

Temperatura zasilania	33	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.8	6.0	6.2	6.5	6.7	6.9
	35	3.1	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5
	37	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.1
	39	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.8
	41	2.7	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.1	5.3	5.4
	43	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.5	4.6	4.8	4.9	5.1
	45	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8
	47	2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5
	49	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.1	3.1	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2
	51			2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0
	53					2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
	55						2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
	57								2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3
	59										2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2
	61											2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1
	63	</																					

Pompa ciepła typ:

SO-130

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	5.8	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.3	8.7	9.0	9.4	9.8	10.2	10.7	11.1	11.5	12.0	12.5	12.9	13.4	13.9
	35	5.7	6.0	6.2	6.5	6.8	7.1	7.5	7.8	8.1	8.5	8.8	9.2	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.7	13.1	13.6
	37	5.5	5.8	6.1	6.3	6.6	6.9	7.3	7.6	7.9	8.3	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.5	11.9	12.4	12.8	13.3
	39	5.4	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8.0	8.4	8.8	9.1	9.5	9.9	10.3	10.8	11.2	11.6	12.1	12.6	13.0
	41	5.2	5.5	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.8	12.3	12.7
	43	5.0	5.3	5.5	5.8	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.3	8.7	9.0	9.4	9.8	10.2	10.6	11.1	11.5	12.0	12.4
	45	4.9	5.1	5.4	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.9	10.4	10.8	11.2	11.6	12.1
	47	4.7	4.9	5.2	5.5	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.8
	49	4.5	4.8	5.0	5.3	5.5	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.3	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.5
	51			4.8	5.1	5.3	5.6	5.9	6.1	6.4	6.7	7.0	7.4	7.7	8.0	8.4	8.7	9.1	9.5	9.9	10.3	10.7	11.1
	53				5.1	5.4	5.7	5.9	6.2	6.5	6.8	7.1	7.4	7.8	8.1	8.5	8.8	9.2	9.6	10.0	10.4	10.8	11.2
	55					5.5	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3
	57						5.8	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.2	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3
	59							5.8	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.3	8.7	9.0	9.4	9.8	10.2	10.6	11.0
	61								5.9	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.4	8.7	9.1	9.5	9.9	10.3	10.7
	63										6.4	6.8	7.1	7.4	7.7	8.0	8.4	8.8	9.1	9.5	9.9	10.3	10.7
65														6.5	6.8	7.1	7.4	7.7	8.1	8.4	8.8	9.1	

Pobór mocy kW

Temperatura zasilania	33	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
	35	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
	37	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	
	39	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
	41	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	43	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	45	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0
	47	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	49	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	51			3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	53				3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	55					3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	57						4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	59							4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	61								4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	63													4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
65														5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	

Moc grzewcza kW

Temperatura zasilania	33	8.0	8.3	8.6	8.8	9.1	9.4	9.8	10.1	10.4	10.8	11.1	11.5	11.9	12.3	12.7	13.1	13.5	14.0	14.4	14.9	15.4	15.9
	35	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.3	10.7	11.0	11.4	11.8	12.2	12.6	13.0	13.4	13.8	14.3	14.7	15.2	15.7
	37	7.9	8.2	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.6	10.9	11.3	11.6	12.0	12.4	12.8	13.2	13.7	14.1	14.5	15.0	15.5
	39	7.8	8.1	8.4	8.6	8.9	9.2	9.5	9.8	10.1	10.5	10.8	11.2	11.5	11.9	12.3	12.7	13.1	13.5	13.9	14.4	14.8	15.3
	41	7.8	8.0	8.3	8.6	8.8	9.1	9.4	9.7	10.1	10.4	10.7	11.1	11.4	11.8	12.1	12.5	12.9	13.3	13.8	14.2	14.6	15.1
	43	7.8	8.0	8.2	8.5	8.8	9.1	9.3	9.6	9.9	10.3	10.6	10.9	11.3	11.6	12.0	12.4	12.8	13.2	13.6	14.0	14.5	14.9
	45	7.7	8.0	8.2	8.5	8.7	9.0	9.3	9.6	9.9	10.2	10.5	10.8	11.2	11.5	11.9	12.3	12.6	13.0	13.4	13.9	14.3	14.7
	47	7.7	7.9	8.2	8.4	8.7	8.9	9.2	9.5	9.8	10.1	10.4	10.7	11.1	11.4	11.8	12.1	12.5	12.9	13.3	13.7	14.1	14.6
	49	7.7	7.9	8.1	8.4	8.6	8.9	9.2	9.4	9.7	10.0	10.3	10.6	11.0	11.3	11.7	12.0	12.4	12.8	13.1	13.5	14.0	14.4
	51			8.1	8.3	8.6	8.8	9.1	9.4	9.7	9.9	10.3	10.6	10.9	11.2	11.5	11.9	12.3	12.6	13.0	13.4	13.8	14.2
	53				8.6	8.8	9.1	9.3	9.6	9.9	10.2	10.5	10.8	11.1	11.4	11.8	12.1	12.5	12.9	13.2	13.6	14.1	14.5
	55					9.0	9.3	9.6	9.8	10.1	10.4	10.7	11.0	11.3	11.7	12.0	12.4	12.7	13.1	13.5	13.9	14.3	14.7
	57						9.5	9.8	10.1	10.4	10.6	10.9	11.3	11.6	11.9	12.3	12.6	13.0	13.4	13.7	14.1	14.5	14.9
	59							9.7	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.2	12.5	12.9	13.2	13.6	14.0	14.4	14.8
	61								10.0	10.3	10.5	10.8	11.1	11.4	11.7	12.1	12.4	12.7	13.1	13.5	13.9	14.3	14.7
	63													10.8	11.1	11.4	11.7	12.0	12.3	12.6	13.0	13.3	13.7
65														11.0	11.3	11.6	11.9	12.2	12.5	12.9	13.2	13.6	

Współczynnik sprawności COP

Temperatura zasilania	33	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.8	6.0	6.3	6.5	6.7	7.0
	35	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5
	37	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.2	5.4	5.6	5.7	6.0	6.2
	39	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.6	5.8
	41	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.5
	43	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1
	45	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.7	4.8
	47	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.6
	49	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3
	51			2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
	53				2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8
	55					2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.6

Pompa ciepła typ:

SO-160

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	7.0	7.3	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.7	11.2	11.7	12.2	12.7	13.3	13.8	14.4	15.0	15.6	16.2	16.9	17.6
	35	6.8	7.1	7.5	7.9	8.3	8.7	9.1	9.5	10.0	10.4	10.9	11.4	11.9	12.4	13.0	13.5	14.1	14.7	15.3	15.9	16.5	17.2
	37	6.6	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.2	10.7	11.1	11.6	12.1	12.7	13.2	13.8	14.4	14.9	15.5	16.2	16.8
	39	6.4	6.7	7.1	7.4	7.8	8.2	8.6	9.0	9.5	9.9	10.4	10.8	11.3	11.8	12.4	12.9	13.4	14.0	14.6	15.2	15.8	16.4
	41	6.2	6.5	6.9	7.2	7.6	8.0	8.4	8.8	9.2	9.6	10.1	10.6	11.0	11.5	12.0	12.6	13.1	13.7	14.2	14.8	15.4	16.0
	43	6.0	6.3	6.6	7.0	7.4	7.7	8.1	8.5	8.9	9.4	9.8	10.3	10.7	11.2	11.7	12.2	12.8	13.3	13.9	14.4	15.0	15.6
	45	5.8	6.1	6.4	6.8	7.1	7.5	7.9	8.3	8.7	9.1	9.5	10.0	10.4	10.9	11.4	11.9	12.4	12.9	13.5	14.0	14.6	15.2
	47	5.6	5.9	6.2	6.5	6.9	7.2	7.6	8.0	8.4	8.8	9.2	9.7	10.1	10.6	11.0	11.5	12.0	12.6	13.1	13.7	14.2	14.8
	49	5.4	5.7	6.0	6.3	6.6	7.0	7.4	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.7	11.2	11.7	12.2	12.7	13.3	13.8	14.4
	51			5.8	6.1	6.4	6.7	7.1	7.5	7.8	8.2	8.6	9.0	9.5	9.9	10.4	10.8	11.3	11.8	12.3	12.8	13.4	13.9
	53					6.2	6.5	6.8	7.2	7.5	7.9	8.3	8.7	9.1	9.6	10.0	10.5	10.9	11.4	11.9	12.4	13.0	13.5
	55							6.6	6.9	7.3	7.6	8.0	8.4	8.8	9.2	9.6	10.1	10.6	11.0	11.5	12.0	12.5	13.1
	57									7.0	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.2	10.6	11.1	11.6	12.1	12.6
	59										7.0	7.4	7.8	8.1	8.5	8.9	9.4	9.8	10.2	10.7	11.2	11.7	12.2
	61													7.8	8.2	8.6	9.0	9.4	9.8	10.3	10.7	11.2	11.7
	63															8.2	8.6	9.0	9.4	9.9	10.3	10.8	11.3
65																8.3	8.6	9.0	9.5	9.9	10.3	10.8	

Pobór mocy kW

Temperatura zasilania	33	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	
	35	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1
	37	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	39	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4
	41	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	43	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7
	45	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	47	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	49	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2
	51			4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	53					4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	55							4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	57									4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	59										5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2
	61													5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	63															5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65																5.8	5.8	5.8	5.9	5.9	5.9	5.9	

Moc grzewcza kW

Temperatura zasilania	33	9.4	9.8	10.2	10.5	10.9	11.3	11.7	12.2	12.6	13.1	13.6	14.0	14.6	15.0	15.6	16.1	16.7	17.3	17.9	18.5	19.2	19.8
	35	9.4	9.7	10.1	10.5	10.8	11.2	11.6	12.1	12.5	13.0	13.4	13.9	14.4	14.9	15.4	16.0	16.5	17.1	17.7	18.3	18.9	19.6
	37	9.3	9.6	10.0	10.4	10.7	11.1	11.5	12.0	12.4	12.8	13.3	13.8	14.2	14.7	15.2	15.8	16.3	16.9	17.5	18.1	18.7	19.3
	39	9.2	9.6	9.9	10.3	10.7	11.0	11.4	11.8	12.3	12.7	13.2	13.6	14.1	14.6	15.1	15.6	16.1	16.7	17.3	17.8	18.4	19.1
	41	9.2	9.5	9.8	10.2	10.6	10.9	11.3	11.7	12.1	12.6	13.0	13.5	13.9	14.4	14.9	15.4	15.9	16.5	17.0	17.6	18.2	18.8
	43	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.6	12.0	12.4	12.9	13.3	13.8	14.2	14.7	15.2	15.7	16.3	16.8	17.4	18.0	18.6
	45	9.0	9.4	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3	12.7	13.2	13.6	14.1	14.6	15.0	15.5	16.0	16.6	17.1	17.7	18.3
	47	9.0	9.3	9.6	10.0	10.3	10.7	11.0	11.4	11.8	12.2	12.6	13.0	13.5	13.9	14.4	14.9	15.3	15.8	16.4	16.9	17.5	18.0
	49	8.9	9.2	9.5	9.9	10.2	10.6	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.2	14.7	15.1	15.6	16.1	16.7	17.2	17.8
	51			9.5	9.8	10.1	10.5	10.8	11.2	11.6	11.9	12.3	12.7	13.2	13.6	14.0	14.5	15.0	15.4	15.9	16.4	17.0	17.5
	53					10.0	10.4	10.7	11.1	11.4	11.8	12.2	12.6	13.0	13.4	13.9	14.3	14.8	15.2	15.7	16.2	16.7	17.2
	55							10.6	11.0	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.6	15.0	15.5	16.0	16.5	17.0
	57									11.2	11.6	12.0	12.3	12.7	13.1	13.5	13.9	14.4	14.8	15.3	15.7	16.2	16.7
	59										11.4	11.8	12.2	12.6	13.0	13.4	13.8	14.2	14.6	15.1	15.5	16.0	16.5
	61													12.4	12.8	13.2	13.6	14.0	14.4	14.9	15.3	15.8	16.2
	63															13.1	13.4	13.8	14.2	14.7	15.1	15.5	16.0
65																13.2	13.6	14.0	14.5	14.9	15.2	15.8	

Współczynnik sprawności COP

Temperatura zasilania	33	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.6	5.8	6.0	6.2	6.3	6.5	6.7
	35	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.4
	37	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.2	5.3	5.5	5.7	5.8	6.0
	39	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.7
	41	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4
	43	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	5.0	5.1
	45	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.7	4.8
	47	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5
	49	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.3
	51			2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
	53					2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8
	55							2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6
	57									2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.					

Pompa ciepła typ:

SO-190

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	8.8	9.2	9.6	10.1	10.5	11.0	11.5	12.0	12.5	13.1	13.6	14.2	14.8	15.3	16.0	16.6	17.3	18.0	18.7	19.4	20.1	20.9
	35	8.5	9.0	9.4	9.8	10.3	10.7	11.2	11.7	12.2	12.8	13.3	13.9	14.4	15.0	15.6	16.2	16.9	17.5	18.2	18.9	19.6	20.4
	37	8.3	8.7	9.1	9.5	10.0	10.5	10.9	11.4	11.9	12.4	13.0	13.5	14.1	14.6	15.2	15.8	16.5	17.1	17.8	18.5	19.2	19.9
	39	8.0	8.4	8.8	9.3	9.7	10.2	10.6	11.1	11.6	12.1	12.6	13.2	13.7	14.3	14.9	15.4	16.0	16.7	17.3	18.0	18.7	19.4
	41	7.7	8.1	8.5	9.0	9.4	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.9	14.5	15.0	15.6	16.2	16.9	17.5	18.2	18.9
	43	7.4	7.8	8.2	8.6	9.1	9.5	10.0	10.4	10.9	11.4	11.9	12.4	13.0	13.5	14.1	14.6	15.2	15.8	16.4	17.1	17.7	18.4
	45	7.1	7.5	7.9	8.3	8.8	9.2	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.7	14.2	14.8	15.4	16.0	16.6	17.2	17.9
	47	6.7	7.1	7.6	8.0	8.4	8.9	9.3	9.8	10.2	10.7	11.2	11.7	12.2	12.7	13.3	13.8	14.4	15.0	15.5	16.1	16.8	17.4
	49	6.4	6.8	7.2	7.6	8.1	8.5	9.0	9.4	9.9	10.3	10.8	11.3	11.8	12.3	12.9	13.4	14.0	14.5	15.1	15.7	16.3	16.9
	51			6.9	7.3	7.7	8.2	8.6	9.1	9.5	10.0	10.5	10.9	11.4	11.9	12.5	13.0	13.5	14.1	14.7	15.2	15.8	16.4
	53					7.4	7.8	8.3	8.7	9.2	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.7	14.2	14.8	15.3	15.9
	55						7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.8	14.3	14.9	15.4
	57								8.0	8.4	8.9	9.4	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.9	14.4	15.0
	59										8.5	9.0	9.5	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.5	14.0	14.6
	61												9.1	9.6	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.6	14.1
	63														9.7	10.2	10.6	11.1	11.6	12.1	12.6	13.2	13.7
65																10.3	10.8	11.3	11.7	12.3	12.8	13.3	

Pobór mocy kW

Temperatura zasilania	33	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4
	35	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	37	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	39	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	41	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	43	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	45	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
	47	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	49	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	51			4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	53					5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	55						5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	57								5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8
	59										6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	61											6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	63														6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6
65																6.8	6.8	6.9	6.9	6.9	6.9	

Moc grzewcza kW

Temperatura zasilania	33	11.6	12.0	12.5	12.9	13.4	13.8	14.3	14.8	15.3	15.8	16.3	16.9	17.5	18.0	18.6	19.3	19.9	20.6	21.3	22.0	22.7	23.4
	35	11.5	11.9	12.4	12.8	13.2	13.7	14.2	14.6	15.1	15.6	16.2	16.7	17.3	17.8	18.4	19.0	19.7	20.3	21.0	21.7	22.4	23.1
	37	11.4	11.8	12.2	12.7	13.1	13.6	14.0	14.5	15.0	15.5	16.0	16.5	17.1	17.6	18.2	18.8	19.4	20.0	20.7	21.4	22.0	22.7
	39	11.3	11.7	12.1	12.5	13.0	13.4	13.9	14.3	14.8	15.3	15.8	16.3	16.9	17.4	18.0	18.6	19.2	19.8	20.4	21.0	21.7	22.4
	41	11.2	11.6	12.0	12.4	12.8	13.3	13.7	14.2	14.7	15.1	15.6	16.1	16.7	17.2	17.7	18.3	18.9	19.5	20.1	20.7	21.4	22.1
	43	11.0	11.4	11.8	12.3	12.7	13.1	13.6	14.0	14.5	15.0	15.4	15.9	16.5	17.0	17.5	18.1	18.7	19.2	19.8	20.5	21.1	21.7
	45	10.9	11.3	11.7	12.1	12.5	13.0	13.4	13.9	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.4	19.0	19.6	20.2	20.8	21.4
	47	10.7	11.1	11.5	12.0	12.4	12.8	13.3	13.7	14.2	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.2	18.7	19.3	19.9	20.5	21.1
	49	10.6	11.0	11.4	11.8	12.2	12.7	13.1	13.6	14.0	14.5	14.9	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.1	19.6	20.2	20.8
	51			11.3	11.7	12.1	12.5	13.0	13.4	13.9	14.3	14.8	15.2	15.7	16.2	16.7	17.2	17.7	18.3	18.8	19.4	20.0	20.5
	53					12.0	12.4	12.8	13.3	13.7	14.2	14.6	15.1	15.5	16.0	16.5	17.0	17.5	18.1	18.6	19.1	19.7	20.3
	55						12.3	12.7	13.1	13.6	14.0	14.5	14.9	15.4	15.9	16.3	16.8	17.3	17.9	18.4	18.9	19.5	20.0
	57								13.0	13.4	13.9	14.3	14.8	15.2	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.2	19.8
	59										13.8	14.2	14.7	15.1	15.6	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.6
	61											14.6	15.0	15.5	15.9	16.4	16.9	17.4	17.8	18.4	18.9	19.4	
	63														15.3	15.8	16.3	16.7	17.2	17.7	18.2	18.7	19.2
65																16.2	16.6	17.1	17.6	18.1	18.6	19.1	

Współczynnik sprawności COP

Temperatura zasilania	33	3.5	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
	35	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6
	37	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.0	6.2
	39	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.9
	41	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.4	5.5
	43	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.2
	45	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.8	4.9
	47	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6
	49	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.3
	51			2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1
	53					2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.5	3.5	3.6	3.8	3.9
	55						2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.4	3.6	3.6	3.6
	57								2.3	2.4	2.5	2.6	2.7										

Pompa ciepła typ:

SO-210

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	9.7	10.2	10.7	11.2	11.7	12.3	12.8	13.4	14.0	14.6	15.2	15.9	16.5	17.2	17.9	18.6	19.4	20.1	20.9	21.8	22.6	23.5
	9.5	9.9	10.4	10.9	11.5	12.0	12.5	13.1	13.7	14.3	14.9	15.5	16.1	16.8	17.5	18.2	19.0	19.7	20.5	21.3	22.1	23.0
	9.2	9.7	10.1	10.6	11.1	11.7	12.2	12.8	13.3	13.9	14.5	15.1	15.8	16.4	17.1	17.8	18.5	19.3	20.1	20.8	21.7	22.5
	8.9	9.4	9.8	10.3	10.8	11.3	11.9	12.4	13.0	13.6	14.2	14.8	15.4	16.0	16.7	17.4	18.1	18.8	19.6	20.4	21.2	22.0
	8.6	9.1	9.5	10.0	10.5	11.0	11.5	12.1	12.6	13.2	13.8	14.4	15.0	15.6	16.3	16.9	17.6	18.4	19.1	19.9	20.7	21.5
	8.3	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.8	13.4	14.0	14.6	15.2	15.8	16.5	17.2	17.9	18.6	19.4	20.1	20.9
	8.0	8.4	8.9	9.4	9.8	10.3	10.8	11.3	11.9	12.4	13.0	13.6	14.1	14.8	15.4	16.0	16.7	17.4	18.1	18.8	19.6	20.4
	7.7	8.1	8.6	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.6	13.1	13.7	14.3	14.9	15.5	16.2	16.9	17.6	18.3	19.0	19.8
	7.4	7.8	8.2	8.7	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.7	13.3	13.9	14.5	15.1	15.7	16.4	17.0	17.8	18.5	19.2
			7.9	8.3	8.8	9.2	9.7	10.2	10.7	11.2	11.7	12.3	12.8	13.4	14.0	14.6	15.2	15.8	16.5	17.2	17.9	18.6
					8.4	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.4	12.9	13.5	14.1	14.7	15.3	16.0	16.6	17.3	18.0
						8.5	9.0	9.4	9.9	10.4	10.9	11.4	11.9	12.4	13.0	13.6	14.2	14.8	15.4	16.1	16.7	17.4
							9.0	9.5	10.0	10.4	10.9	11.4	12.0	12.5	13.1	13.7	14.3	14.9	15.5	16.1	16.8	17.5
									9.5	10.0	10.5	11.0	11.5	12.0	12.6	13.1	13.7	14.3	14.9	15.5	16.2	16.9
										10.0	10.5	11.0	11.5	12.0	12.6	13.2	13.7	14.3	15.0	15.6	16.3	17.0
													10.5	11.0	11.5	12.1	12.6	13.2	13.7	14.3	15.0	
																11.0	11.5	12.0	12.6	13.2	13.7	14.3

Pobór mocy kW

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0
	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2
	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4
	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6
	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.8
	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0
	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
			5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
					6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
						6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
								6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
									7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
										7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2
											7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	
														8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	

Moc grzewcza kW

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	12.9	13.4	13.8	14.3	14.9	15.4	15.9	16.5	17.0	17.6	18.3	18.9	19.5	20.2	20.9	21.6	22.4	23.1	23.9	24.7	25.5	26.4
	12.8	13.3	13.7	14.2	14.7	15.2	15.8	16.3	16.9	17.5	18.1	18.7	19.3	20.0	20.7	21.4	22.1	22.9	23.6	24.4	25.2	26.1
	12.7	13.1	13.6	14.1	14.6	15.1	15.6	16.2	16.7	17.3	17.9	18.5	19.1	19.8	20.4	21.1	21.8	22.6	23.3	24.1	24.9	25.8
	12.6	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.6	17.1	17.7	18.3	18.9	19.6	20.2	20.9	21.6	22.3	23.1	23.8	24.6	25.4
	12.5	13.0	13.4	13.9	14.4	14.9	15.3	15.9	16.4	16.9	17.5	18.1	18.7	19.3	20.0	20.6	21.3	22.0	22.8	23.5	24.3	25.1
	12.4	12.9	13.3	13.8	14.2	14.7	15.2	15.7	16.2	16.8	17.3	17.9	18.5	19.1	19.7	20.4	21.1	21.7	22.5	23.2	24.0	24.7
	12.3	12.8	13.2	13.7	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.7	18.3	18.9	19.5	20.1	20.8	21.5	22.2	22.9	23.6	24.4
	12.3	12.7	13.1	13.6	14.0	14.5	15.0	15.4	15.9	16.4	17.0	17.5	18.1	18.7	19.3	19.9	20.5	21.2	21.9	22.6	23.3	24.0
	12.2	12.6	13.1	13.5	13.9	14.4	14.8	15.3	15.8	16.3	16.8	17.3	17.9	18.4	19.0	19.6	20.3	20.9	21.6	22.3	23.0	23.7
			13.0	13.4	13.8	14.3	14.7	15.2	15.6	16.1	16.6	17.2	17.7	18.2	18.8	19.4	20.0	20.6	21.3	21.9	22.6	23.3
					13.8	14.2	14.6	15.1	15.5	16.0	16.5	17.0	17.5	18.0	18.6	19.2	19.7	20.4	21.0	21.6	22.3	23.0
						14.1	14.6	15.0	15.4	15.9	16.3	16.8	17.3	17.8	18.4	18.9	19.5	20.1	20.7	21.3	22.0	22.7
								14.9	15.3	15.8	16.2	16.7	17.2	17.7	18.2	18.7	19.3	19.8	20.4	21.0	21.7	22.3
									15.7	16.1	16.5	17.0	17.5	18.0	18.5	19.0	19.6	20.2	20.8	21.4	22.0	22.6
										16.4	16.9	17.3	17.8	18.3	18.8	19.4	19.9	20.5	21.1	21.7	22.3	22.9
											17.2	17.7	18.1	18.6	19.1	19.7	20.2	20.8	21.4	22.0	22.6	
													18.0	18.5	18.9	19.5	20.0	20.5	21.1	21.7	22.3	

Współczynnik sprawności COP

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	3.5	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.4	5.6	5.8	6.0	6.1	6.3	6.5	6.7	6.9
	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.5
	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.8	6.0	6.2
	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.4	5.5	5.7	5.8
	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.2	5.4	5.5
	2.7	2.8	2.9	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2
	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.9
	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	3.9	4.1	4.2	4.4	4.5	4.6
	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.4
			2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.1
					2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8
						2.2	2.3	2.4	2.4	2.5	2.6</											

Pompa ciepła typ: SO-260

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	12.5	13.1	13.7	14.3	14.9	15.6	16.2	16.9	17.6	18.3	19.1	19.8	20.6	21.4	22.2	23.1	24.0	24.9	25.8	26.8	27.7	28.8
	35	12.1	12.7	13.3	13.9	14.6	15.2	15.9	16.6	17.3	18.0	18.7	19.5	20.2	21.0	21.8	22.7	23.5	24.4	25.3	26.3	27.2	28.2
	37	11.8	12.3	12.9	13.6	14.2	14.8	15.5	16.2	16.8	17.6	18.3	19.0	19.8	20.6	21.4	22.2	23.1	23.9	24.8	25.8	26.7	27.7
	39	11.3	11.9	12.5	13.1	13.8	14.4	15.1	15.7	16.4	17.1	17.8	18.6	19.3	20.1	20.9	21.7	22.6	23.4	24.3	25.2	26.2	27.1
	41	10.9	11.5	12.1	12.7	13.3	13.9	14.6	15.3	16.0	16.7	17.4	18.1	18.9	19.6	20.4	21.2	22.1	22.9	23.8	24.7	25.6	26.6
	43	10.4	11.0	11.6	12.2	12.8	13.5	14.1	14.8	15.5	16.2	16.9	17.6	18.4	19.1	19.9	20.7	21.5	22.4	23.2	24.1	25.0	26.0
	45	9.8	10.4	11.0	11.7	12.3	12.9	13.6	14.3	14.9	15.6	16.4	17.1	17.8	18.6	19.4	20.1	21.0	21.8	22.6	23.5	24.4	25.4
	47			10.5	11.1	11.7	12.4	13.0	13.7	14.4	15.1	15.8	16.5	17.3	18.0	18.8	19.6	20.4	21.2	22.0	22.9	23.8	24.7
	49					11.2	11.8	12.5	13.1	13.8	14.5	15.2	15.9	16.7	17.4	18.2	19.0	19.8	20.6	21.4	22.3	23.1	24.0
	51						11.2	11.8	12.5	13.2	13.9	14.6	15.3	16.0	16.8	17.5	18.3	19.1	19.9	20.7	21.6	22.5	23.3
	53							11.2	11.9	12.5	13.2	13.9	14.6	15.4	16.1	16.9	17.7	18.4	19.2	20.0	20.9	21.7	22.6
	55								11.3	11.9	12.6	13.2	14.0	14.7	15.4	16.2	17.0	17.7	18.5	19.3	20.2	21.0	21.9
	57									11.2	11.9	12.5	13.3	14.0	14.7	15.5	16.2	17.0	17.8	18.6	19.4	20.2	21.1
	59										11.3	11.8	12.7	13.3	14.0	14.7	15.4	16.2	17.0	17.8	18.6	19.5	20.3
	61											11.1	12.0	12.6	13.3	13.9	14.6	15.4	16.2	17.0	17.8	18.6	19.5
	63												11.4	11.9	12.6	13.1	13.8	14.6	15.3	16.1	16.9	17.8	18.6
65														11.9	12.3	13.0	13.8	14.5	15.3	16.0	16.9	17.7	

Pobór mocy kW

Temperatura zasilania	33	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
	35	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	37	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	39	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1
	41	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	43	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
	45	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	47			6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.1
	49					6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.4
	51						6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7
	53							7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	55								7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.4
	57									7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.8	7.8	7.8
	59										8.2	8.3	8.2	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.2	8.2	8.2
	61											8.6	8.6	8.7	8.6	8.7	8.7	8.7	8.6	8.6	8.6	8.6	8.6
	63												9.0	9.0	9.0	9.1	9.1	9.1	9.0	9.0	9.0	9.0	9.0
65														9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.4	

Moc grzewcza kW

Temperatura zasilania	33	16.2	16.8	17.3	17.9	18.5	19.2	19.8	20.4	21.1	21.8	22.5	23.2	24.0	24.8	25.6	26.4	27.2	28.1	29.0	29.9	30.8	31.8
	35	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.3	20.9	21.6	22.3	23.0	23.8	24.5	25.3	26.1	27.0	27.8	28.7	29.6	30.5	31.5
	37	15.8	16.4	17.0	17.6	18.2	18.8	19.4	20.1	20.7	21.4	22.1	22.8	23.5	24.3	25.1	25.9	26.7	27.5	28.4	29.3	30.2	31.1
	39	15.6	16.2	16.8	17.4	18.0	18.6	19.2	19.9	20.5	21.2	21.9	22.6	23.3	24.0	24.8	25.6	26.4	27.2	28.1	29.0	29.8	30.8
	41	15.4	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.3	20.9	21.6	22.3	23.0	23.8	24.5	25.3	26.1	26.9	27.8	28.6	29.5	30.4
	43	15.2	15.7	16.3	16.9	17.5	18.1	18.8	19.4	20.0	20.7	21.4	22.1	22.8	23.5	24.3	25.0	25.8	26.6	27.4	28.3	29.1	30.0
	45	14.9	15.5	16.1	16.7	17.3	17.9	18.5	19.1	19.8	20.4	21.1	21.8	22.5	23.2	24.0	24.7	25.5	26.3	27.1	27.9	28.8	29.6
	47			15.8	16.4	17.0	17.6	18.2	18.9	19.5	20.2	20.8	21.5	22.2	22.9	23.6	24.4	25.2	25.9	26.7	27.6	28.4	29.3
	49					16.7	17.3	18.0	18.6	19.2	19.9	20.5	21.2	21.9	22.6	23.3	24.1	24.8	25.6	26.4	27.2	28.0	28.9
	51						17.0	17.7	18.3	18.9	19.6	20.2	20.9	21.6	22.3	23.0	23.7	24.5	25.2	26.0	26.8	27.6	28.5
	53							17.4	18.0	18.6	19.3	19.9	20.6	21.2	21.9	22.6	23.4	24.1	24.9	25.6	26.4	27.2	28.0
	55								17.7	18.3	19.0	19.6	20.2	20.9	21.6	22.3	23.0	23.7	24.5	25.2	26.0	26.8	27.6
	57									18.0	18.7	19.2	19.8	20.5	21.2	21.9	22.6	23.3	24.1	24.8	25.6	26.4	27.2
	59										18.4	18.9	19.4	20.1	20.8	21.5	22.2	23.0	23.7	24.4	25.2	25.9	26.7
	61											18.5	19.0	19.7	20.4	21.1	21.8	22.5	23.3	24.0	24.7	25.5	26.3
	63												18.6	19.3	20.0	20.7	21.4	22.0	22.9	23.6	24.3	25.0	25.8
65														19.6	20.3	21.0	21.5	22.5	23.2	23.9	24.5	25.3	

Współczynnik sprawności COP

Temperatura zasilania	33	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.8	7.1
	35	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.5	6.7
	37	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.3
	39	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.7	5.8	6.0
	41	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5	5.7
	43	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.4
	45	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1
	47			2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8
	49					2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.5
	51						2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2
	53							2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0
	55								2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
	57				</																		

Pompa ciepła typ: SO-290

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	14.0	14.6	15.3	16.0	16.7	17.4	18.1	18.9	19.7	20.5	21.4	22.3	23.2	24.1	25.1	26.1	27.1	28.1	29.2	30.3	31.5	32.6
	13.6	14.3	14.9	15.6	16.3	17.0	17.7	18.5	19.3	20.1	20.9	21.8	22.6	23.6	24.5	25.5	26.5	27.5	28.6	29.7	30.8	32.0
	13.3	13.9	14.5	15.2	15.8	16.6	17.3	18.0	18.8	19.6	20.4	21.2	22.1	23.0	23.9	24.9	25.9	26.9	27.9	29.0	30.1	31.3
	12.9	13.5	14.1	14.8	15.4	16.1	16.8	17.6	18.3	19.1	19.9	20.7	21.6	22.5	23.4	24.3	25.3	26.3	27.3	28.4	29.4	30.6
	12.5	13.1	13.7	14.4	15.0	15.7	16.4	17.1	17.8	18.6	19.4	20.2	21.0	21.9	22.8	23.7	24.7	25.6	26.7	27.7	28.8	29.9
	12.1	12.7	13.3	13.9	14.6	15.2	15.9	16.6	17.4	18.1	18.9	19.7	20.5	21.3	22.2	23.1	24.0	25.0	26.0	27.0	28.1	29.1
	11.8	12.3	12.9	13.5	14.1	14.8	15.5	16.1	16.9	17.6	18.4	19.1	19.9	20.8	21.6	22.5	23.4	24.3	25.3	26.3	27.3	28.4
			12.5	13.1	13.7	14.3	15.0	15.7	16.4	17.1	17.8	18.6	19.4	20.2	21.0	21.9	22.8	23.7	24.6	25.6	26.6	27.6
				13.3	13.9	14.5	15.2	15.9	16.6	17.3	18.0	18.8	19.6	20.4	21.2	22.1	23.0	23.9	24.9	25.9	26.9	27.9
					13.4	14.0	14.7	15.3	16.0	16.7	17.5	18.2	19.0	19.8	20.6	21.5	22.3	23.2	24.2	25.1	26.1	27.1
						13.5	14.2	14.8	15.5	16.2	16.9	17.6	18.4	19.2	20.0	20.8	21.7	22.5	23.5	24.4	25.4	26.4
							13.7	14.3	15.0	15.6	16.3	17.1	17.8	18.6	19.3	20.1	21.0	21.8	22.7	23.6	24.6	25.6
								13.8	14.5	15.1	15.7	16.5	17.2	17.9	18.7	19.5	20.3	21.1	22.0	22.9	23.8	24.8
									14.0	14.5	15.1	15.9	16.6	17.3	18.0	18.8	19.6	20.4	21.2	22.1	23.0	23.9
									14.0	14.5	15.3	16.0	16.6	17.4	18.1	18.9	19.7	20.5	21.3	22.2	23.1	
										13.9	14.7	15.4	16.0	16.7	17.5	18.2	18.9	19.7	20.5	21.4	22.3	
												14.8	15.3	16.1	16.8	17.5	18.2	18.9	19.7	20.6	21.5	

Pobór mocy kW

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1
	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3
	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0
	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
			6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
				7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
					7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
						7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
							8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
								8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
									8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
									9.0	9.0	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	
										9.4	9.4	9.5	9.5	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	
												9.8	9.9	9.9	10.0	9.9	10.0	10.0	10.0	10.0	10.0	

Moc grzewcza kW

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	18.0	18.6	19.3	19.9	20.6	21.3	22.0	22.8	23.5	24.3	25.2	26.0	26.9	27.8	28.7	29.7	30.7	31.7	32.8	33.9	35.0	36.1
	17.9	18.5	19.1	19.7	20.4	21.1	21.8	22.5	23.3	24.1	24.9	25.7	26.6	27.5	28.4	29.3	30.3	31.3	32.3	33.4	34.5	35.6
	17.7	18.3	18.9	19.6	20.2	20.9	21.6	22.3	23.0	23.8	24.6	25.4	26.3	27.1	28.0	28.9	29.9	30.9	31.9	32.9	34.0	35.1
	17.6	18.2	18.8	19.4	20.0	20.7	21.4	22.1	22.8	23.5	24.3	25.1	25.9	26.8	27.7	28.6	29.5	30.5	31.5	32.5	33.5	34.6
	17.4	18.0	18.6	19.2	19.8	20.5	21.1	21.8	22.5	23.3	24.0	24.8	25.6	26.5	27.3	28.2	29.1	30.1	31.0	32.0	33.1	34.1
	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.6	22.3	23.0	23.8	24.5	25.3	26.1	27.0	27.8	28.7	29.7	30.6	31.6	32.6	33.6
	17.2	17.7	18.3	18.9	19.5	20.1	20.7	21.4	22.1	22.8	23.5	24.3	25.0	25.8	26.6	27.5	28.4	29.3	30.2	31.1	32.1	33.1
			18.2	18.7	19.3	19.9	20.5	21.2	21.9	22.5	23.2	24.0	24.7	25.5	26.3	27.1	28.0	28.9	29.8	30.7	31.7	32.6
				19.2	19.8	20.3	21.0	21.6	22.3	23.0	23.7	24.4	25.2	26.0	26.8	27.6	28.5	29.4	30.3	31.2	32.2	33.1
					19.6	20.2	20.8	21.4	22.1	22.7	23.4	24.2	24.9	25.7	26.5	27.3	28.1	29.0	29.8	30.8	31.7	32.7
						20.1	20.6	21.2	21.8	22.5	23.2	23.9	24.6	25.4	26.1	26.9	27.7	28.6	29.4	30.3	31.2	32.2
							20.4	21.0	21.5	22.3	22.9	23.6	24.3	25.0	25.8	26.6	27.4	28.2	29.0	29.9	30.8	31.8
								20.8	21.2	22.1	22.6	23.4	24.0	24.7	25.5	26.2	27.0	27.8	28.6	29.4	30.3	31.3
									20.9	21.9	22.3	23.2	23.7	24.4	25.2	25.9	26.6	27.4	28.2	29.0	29.9	30.9
									21.7	22.0	23.0	23.4	24.1	24.9	25.6	26.3	27.0	27.8	28.6	29.4	30.4	
										21.7	22.8	23.1	23.8	24.6	25.3	26.0	26.7	27.4	28.2	29.0	30.0	
												22.8	23.5	24.3	25.0	25.7	26.4	27.0	27.8	28.6	29.6	

Współczynnik sprawności COP

Temperatura zasilania	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65					
	3.7	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.1	5.2	5.4	5.6	5.7	5.9	6.1	6.3	6.5	6.7	6.8	7.0
	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.8	6.0	6.1	6.3	6.5	6.7
	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.9	5.0	5.1	5.3	5.5	5.7	5.8	6.0	6.2	6.4
	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.4	5.5	5.7	5.8	6.0
	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.6	5.7
	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.1	5.2	5.4
	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.1
			2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0
				2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7
					2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.5
						2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.2
							2.6	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	

Pompa ciepła typ: SO-340

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	16.3	17.1	17.9	18.7	19.5	20.3	21.2	22.1	23.0	24.0	25.0	26.0	27.0	28.1	29.2	30.4	31.5	32.7	34.0	35.3	36.6	37.9
	35	15.9	16.6	17.4	18.2	19.0	19.8	20.7	21.6	22.5	23.4	24.4	25.4	26.5	27.5	28.6	29.7	30.9	32.1	33.3	34.6	35.9	37.2
	37	15.4	16.2	16.9	17.7	18.5	19.3	20.2	21.1	22.0	22.9	23.9	24.8	25.9	26.9	28.0	29.1	30.2	31.4	32.6	33.9	35.1	36.5
	39	15.0	15.7	16.5	17.2	18.0	18.8	19.7	20.5	21.4	22.3	23.3	24.2	25.2	26.3	27.3	28.4	29.6	30.7	31.9	33.1	34.4	35.7
	41	14.5	15.2	15.9	16.7	17.5	18.3	19.1	20.0	20.8	21.7	22.7	23.6	24.6	25.6	26.7	27.8	28.9	30.0	31.2	32.4	33.6	34.9
	43	14.0	14.7	15.4	16.2	16.9	17.7	18.6	19.4	20.2	21.1	22.0	23.0	24.0	25.0	26.0	27.1	28.1	29.3	30.4	31.6	32.8	34.1
	45	13.5	14.2	14.9	15.6	16.4	17.2	18.0	18.8	19.7	20.5	21.4	22.3	23.3	24.3	25.3	26.3	27.4	28.5	29.6	30.8	32.0	33.2
	47			14.3	15.1	15.8	16.6	17.4	18.2	19.0	19.9	20.7	21.7	22.6	23.6	24.6	25.6	26.6	27.7	28.8	30.0	31.2	32.4
	49					15.2	16.0	16.7	17.6	18.4	19.2	20.1	21.0	21.9	22.8	23.8	24.8	25.9	26.9	28.0	29.2	30.3	31.5
	51					15.4	16.1	16.9	17.7	18.5	19.4	20.3	21.2	22.1	23.1	24.1	25.1	26.1	27.2	28.3	29.4	30.6	
	53						15.5	16.3	17.0	17.8	18.7	19.6	20.4	21.3	22.3	23.3	24.2	25.3	26.3	27.4	28.5	29.7	
	55							15.6	16.3	17.1	18.0	18.8	19.7	20.6	21.5	22.4	23.4	24.4	25.5	26.5	27.6	28.7	
	57								15.6	16.4	17.3	18.1	18.9	19.8	20.7	21.6	22.6	23.5	24.6	25.6	26.7	27.8	
	59									15.7	16.6	17.3	18.2	18.9	19.9	20.7	21.7	22.6	23.6	24.7	25.7	26.8	
	61										15.9	16.6	17.4	18.1	19.0	19.8	20.8	21.7	22.7	23.7	24.7	25.8	
	63											15.8	16.7	17.2	18.2	18.9	19.9	20.8	21.8	22.7	23.7	24.8	
65													16.4	17.3	18.0	19.0	19.9	20.9	21.7	22.7	23.8		

Pobór mocy kW

Temperatura zasilania	33	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	
	35	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.2
	37	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	39	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.7
	41	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0
	43	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3
	45	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
	47			7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0
	49					8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
	51					8.6	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
	53						9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	55							9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.6
	57								9.8	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	59									10.3	10.4	10.4	10.4	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
	61										10.8	10.8	10.9	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0
	63											11.2	11.3	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5
65														11.8	11.9	11.9	12.0	12.0	12.1	12.0	12.0	12.0	

Moc grzewcza kW

Temperatura zasilania	33	21.0	21.7	22.5	23.2	24.0	24.9	25.7	26.6	27.5	28.4	29.4	30.3	31.4	32.4	33.5	34.6	35.7	36.9	38.1	39.4	40.6	42.0
	35	20.8	21.5	22.3	23.0	23.8	24.6	25.5	26.3	27.2	28.1	29.1	30.0	31.0	32.0	33.1	34.2	35.3	36.5	37.7	38.9	40.1	41.4
	37	20.6	21.3	22.1	22.8	23.6	24.4	25.2	26.0	26.9	27.8	28.7	29.7	30.7	31.7	32.7	33.8	34.9	36.0	37.2	38.4	39.6	40.9
	39	20.4	21.1	21.8	22.6	23.3	24.1	24.9	25.8	26.6	27.5	28.4	29.4	30.3	31.3	32.3	33.4	34.5	35.6	36.7	37.9	39.1	40.4
	41	20.2	20.9	21.6	22.4	23.1	23.9	24.7	25.5	26.3	27.2	28.1	29.0	30.0	31.0	32.0	33.0	34.1	35.2	36.3	37.4	38.6	39.9
	43	20.0	20.7	21.4	22.1	22.9	23.6	24.4	25.2	26.0	26.9	27.8	28.7	29.6	30.6	31.6	32.6	33.6	34.7	35.8	37.0	38.1	39.3
	45	19.8	20.5	21.2	21.9	22.6	23.4	24.1	24.9	25.8	26.6	27.5	28.3	29.3	30.2	31.2	32.2	33.2	34.3	35.3	36.5	37.6	38.8
	47			21.0	21.7	22.4	23.1	23.9	24.7	25.5	26.3	27.1	28.0	28.9	29.8	30.8	31.8	32.8	33.8	34.9	36.0	37.1	38.3
	49					22.1	22.9	23.6	24.4	25.2	26.0	26.8	27.7	28.5	29.5	30.4	31.4	32.3	33.4	34.4	35.5	36.6	37.7
	51					22.7	23.3	24.1	24.9	25.7	26.5	27.3	28.2	29.1	30.0	30.9	31.9	32.9	33.9	35.0	36.1	37.2	
	53					23.0	23.8	24.6	25.4	26.2	27.0	27.8	28.7	29.6	30.5	31.5	32.5	33.5	34.5	35.5	36.6		
	55						23.5	24.3	25.1	25.8	26.6	27.5	28.3	29.3	30.1	31.0	32.0	33.0	34.0	35.0	36.1		
	57							24.0	24.8	25.4	26.2	27.1	28.0	28.8	29.7	30.6	31.6	32.5	33.5	34.5	35.6		
	59								24.5	25.0	25.8	26.7	27.7	28.4	29.3	30.2	31.1	32.0	33.0	34.0	35.0		
	61									24.6	25.4	26.3	27.4	28.0	28.9	29.8	30.7	31.6	32.5	33.5	34.5		
	63										25.0	25.9	27.1	27.6	28.5	29.4	30.3	31.1	32.0	33.0	34.0		
65														26.8	27.2	28.1	29.0	29.9	30.6	31.5	32.5	33.5	

Współczynnik sprawności COP

Temperatura zasilania	33	3.7	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.7	6.9	7.1
	35	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.3	6.5	6.7
	37	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.8	6.0	6.2	6.4
	39	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.2	5.4	5.5	5.7	5.9	6.0
	41	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.5	5.7
	43	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.1	5.2	5.4
	45	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.1
	47			2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8
	49					2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.5
	51						2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.3
	53							2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
	55								2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	
	57					</																	

Pompa ciepła typ: SO-390

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	18.4	19.3	20.2	21.1	22.1	23.1	24.1	25.2	26.3	27.4	28.5	29.7	30.9	32.1	33.4	34.7	36.0	37.4	38.8	40.3	41.8	43.3
	35	17.9	18.8	19.7	20.6	21.6	22.6	23.6	24.6	25.7	26.8	27.9	29.1	30.3	31.5	32.8	34.0	35.4	36.7	38.1	39.6	41.1	42.6
	37	17.3	18.2	19.1	20.0	21.0	22.0	23.0	24.0	25.1	26.2	27.3	28.4	29.6	30.8	32.1	33.4	34.7	36.0	37.4	38.8	40.3	41.8
	39	16.7	17.6	18.5	19.5	20.4	21.4	22.4	23.4	24.4	25.5	26.6	27.8	28.9	30.1	31.4	32.6	33.9	35.2	36.6	38.0	39.4	40.9
	41	16.1	17.0	17.9	18.8	19.8	20.7	21.7	22.7	23.8	24.8	25.9	27.1	28.2	29.4	30.6	31.8	33.1	34.4	35.8	37.2	38.6	40.0
	43	15.4	16.3	17.2	18.2	19.1	20.0	21.0	22.0	23.1	24.1	25.2	26.3	27.5	28.6	29.8	31.0	32.3	33.6	34.9	36.3	37.7	39.1
	45	14.8	15.6	16.5	17.5	18.4	19.4	20.3	21.3	22.3	23.4	24.4	25.5	26.7	27.8	29.0	30.2	31.4	32.7	34.0	35.4	36.7	38.1
	47			15.8	16.7	17.7	18.6	19.6	20.5	21.6	22.6	23.6	24.7	25.8	27.0	28.1	29.3	30.6	31.8	33.1	34.4	35.8	37.1
	49					16.9	17.8	18.8	19.8	20.8	21.8	22.8	23.9	25.0	26.1	27.2	28.4	29.6	30.9	32.1	33.4	34.7	36.1
	51						17.0	18.0	19.0	19.9	20.9	22.0	23.0	24.1	25.2	26.3	27.5	28.7	29.9	31.1	32.4	33.7	35.0
	53							17.2	18.2	19.1	20.1	21.1	22.1	23.2	24.3	25.4	26.5	27.7	28.9	30.1	31.3	32.6	33.9
	55								17.4	18.2	19.3	20.2	21.2	22.2	23.3	24.4	25.5	26.7	27.8	29.0	30.3	31.5	32.8
	57									17.4	18.5	19.3	20.3	21.2	22.3	23.4	24.5	25.6	26.8	27.9	29.1	30.4	31.6
	59										17.7	18.4	19.4	20.2	21.3	22.4	23.4	24.5	25.7	26.8	28.0	29.2	30.5
	61											17.5	18.5	19.2	20.3	21.4	22.3	23.4	24.6	25.7	26.9	28.0	29.2
	63												17.6	18.2	19.3	20.4	21.2	22.3	23.5	24.6	25.8	26.8	28.0
65														18.3	19.4	20.1	21.2	22.4	23.5	24.7	25.6	26.8	

Pobór mocy kW

Temperatura zasilania	33	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	
	35	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0
	37	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
	39	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	41	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9
	43	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
	45	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	47			8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	49					9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
	51						9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.9
	53							10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
	55								10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	57									11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4
	59										11.6	11.8	11.8	11.8	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9
	61											12.3	12.3	12.3	12.3	12.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5
	63												12.8	12.8	12.8	12.8	13.0	13.0	13.0	13.0	13.0	13.1	13.1
65														13.3	13.3	13.6	13.6	13.6	13.6	13.6	13.7	13.7	

Moc grzewcza kW

Temperatura zasilania	33	23.6	24.5	25.4	26.3	27.3	28.2	29.2	30.2	31.3	32.4	33.5	34.6	35.8	37.0	38.2	39.5	40.8	42.1	43.5	44.9	46.3	47.8
	35	23.4	24.3	25.2	26.1	27.0	28.0	28.9	30.0	31.0	32.1	33.1	34.3	35.4	36.6	37.8	39.1	40.3	41.7	43.0	44.4	45.8	47.3
	37	23.1	24.0	24.9	25.8	26.7	27.7	28.7	29.7	30.7	31.7	32.8	33.9	35.1	36.2	37.4	38.6	39.9	41.2	42.5	43.9	45.3	46.8
	39	22.8	23.7	24.6	25.5	26.4	27.4	28.3	29.3	30.3	31.4	32.4	33.5	34.7	35.8	37.0	38.2	39.5	40.7	42.0	43.4	44.8	46.2
	41	22.5	23.4	24.3	25.2	26.1	27.0	28.0	29.0	30.0	31.0	32.1	33.2	34.3	35.4	36.6	37.8	39.0	40.2	41.5	42.9	44.2	45.6
	43	22.2	23.1	24.0	24.9	25.8	26.7	27.7	28.6	29.6	30.6	31.7	32.7	33.8	35.0	36.1	37.3	38.5	39.7	41.0	42.3	43.6	45.0
	45	21.9	22.8	23.7	24.5	25.4	26.4	27.3	28.3	29.3	30.3	31.3	32.3	33.4	34.5	35.6	36.8	38.0	39.2	40.4	41.7	43.0	44.4
	47			23.3	24.2	25.1	26.0	26.9	27.9	28.9	29.9	30.9	31.9	33.0	34.0	35.2	36.3	37.5	38.7	39.9	41.1	42.4	43.8
	49					24.7	25.7	26.6	27.5	28.5	29.4	30.4	31.5	32.5	33.6	34.7	35.8	36.9	38.1	39.3	40.6	41.8	43.1
	51						25.4	26.2	27.1	28.1	29.0	30.0	31.0	32.0	33.1	34.2	35.3	36.4	37.6	38.7	39.9	41.2	42.5
	53							25.8	26.7	27.7	28.6	29.6	30.6	31.6	32.6	33.7	34.8	35.9	37.0	38.1	39.3	40.6	41.8
	55								26.3	27.3	28.2	29.1	30.1	31.1	32.1	33.2	34.2	35.3	36.4	37.6	38.7	39.9	41.1
	57									26.9	27.8	28.6	29.6	30.6	31.6	32.7	33.7	34.8	35.8	37.0	38.1	39.3	40.5
	59										27.4	28.1	29.1	30.1	31.1	32.2	33.2	34.2	35.3	36.4	37.5	38.6	39.8
	61											27.6	28.6	29.6	30.6	31.7	32.7	33.6	34.8	35.8	36.9	38.0	39.1
	63												28.1	29.1	30.1	31.2	32.2	33.0	34.3	35.2	36.3	37.3	38.4
65														29.6	30.7	31.7	32.4	33.8	34.6	35.7	36.6	37.7	

Współczynnik sprawności COP

Temperatura zasilania	33	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2
	35	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.6	6.8
	37	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.6	5.7	5.9	6.1	6.3	6.5
	39	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
	41	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8
	43	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.8	5.0	5.2	5.3	5.5
	45	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2
	47			2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.6	4.7	4.9
	49					2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.6
	51						2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3
	53							2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1
	55								2.5	2.5	2.6	2.7	2.8	2.9	3.0								

Pompa ciepła typ: SO-430

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	19.3	20.3	21.3	22.4	23.5	24.7	25.9	27.1	28.4	29.7	31.1	32.5	34.0	35.4	37.0	38.6	40.2	41.9	43.6	45.4	47.2	49.1
	35	18.6	19.6	20.6	21.7	22.8	23.9	25.1	26.3	27.6	28.9	30.2	31.6	33.1	34.5	36.0	37.6	39.2	40.9	42.6	44.3	46.1	48.0
	37	17.9	18.9	19.9	21.0	22.0	23.2	24.3	25.5	26.8	28.0	29.4	30.7	32.1	33.6	35.1	36.6	38.2	39.8	41.5	43.2	45.0	46.8
	39	17.2	18.2	19.2	20.2	21.3	22.4	23.5	24.7	25.9	27.2	28.5	29.8	31.2	32.6	34.1	35.6	37.1	38.7	40.4	42.1	43.8	45.6
	41	16.5	17.5	18.4	19.5	20.5	21.6	22.7	23.9	25.1	26.3	27.6	28.9	30.2	31.6	33.1	34.6	36.1	37.7	39.3	41.0	42.7	44.4
	43	15.8	16.7	17.7	18.7	19.7	20.8	21.9	23.0	24.2	25.4	26.6	27.9	29.3	30.6	32.1	33.5	35.0	36.6	38.2	39.8	41.5	43.2
	45	15.1	16.0	16.9	17.9	18.9	20.0	21.0	22.1	23.3	24.5	25.7	27.0	28.3	29.6	31.0	32.5	33.9	35.5	37.0	38.6	40.3	42.0
	47			16.2	17.1	18.1	19.1	20.2	21.3	22.4	23.6	24.8	26.0	27.3	28.6	30.0	31.4	32.8	34.3	35.9	37.5	39.1	40.8
	49					17.3	18.3	19.3	20.4	21.5	22.6	23.8	25.0	26.3	27.6	28.9	30.3	31.7	33.2	34.7	36.3	37.9	39.5
	51						17.4	18.5	19.5	20.6	21.7	22.9	24.1	25.3	26.6	27.9	29.2	30.6	32.0	33.5	35.0	36.6	38.2
	53							17.6	18.6	19.7	20.8	21.9	23.1	24.3	25.5	26.8	28.1	29.5	30.9	32.3	33.8	35.4	36.9
	55								17.7	18.7	19.9	20.9	22.0	23.2	24.4	25.7	27.0	28.3	29.7	31.1	32.6	34.1	35.6
	57									17.8	19.0	19.9	20.9	22.2	23.4	24.6	25.9	27.2	28.5	29.9	31.3	32.8	34.3
	59										18.1	18.9	19.8	21.2	22.4	23.5	24.7	26.0	27.3	28.7	30.1	31.5	33.0
	61											17.9	18.7	20.2	21.4	22.4	23.5	24.8	26.1	27.4	28.8	30.2	31.7
	63												17.6	19.2	20.4	21.3	22.3	23.6	24.9	26.2	27.5	28.9	30.3
65														19.4	20.2	21.1	22.4	23.7	25.0	26.2	27.6	28.9	

Pobór mocy kW

Temperatura zasilania	33	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	
	35	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0
	37	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.3	
	39	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	
	41	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	
	43	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.4	
	45	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.8	9.8	
	47			10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	
	49					10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	
	51						11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	
	53							11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	
	55								12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	
	57									12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	
	59										13.3	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	
	61											13.9	13.9	14.0	14.0	14.0	14.1	14.0	14.0	14.0	14.0	14.0	14.0	
	63												14.4	14.6	14.6	14.6	14.7	14.6	14.7	14.7	14.7	14.7	14.7	
65														15.2	15.2	15.4	15.2	15.3	15.4	15.3	15.3	15.4		

Moc grzewcza kW

Temperatura zasilania	33	25.3	26.3	27.3	28.4	29.5	30.6	31.8	33.0	34.2	35.5	36.8	38.2	39.6	41.0	42.5	44.0	45.6	47.3	48.9	50.7	52.4	54.3
	35	25.0	25.9	26.9	28.0	29.0	30.2	31.3	32.5	33.7	35.0	36.3	37.6	39.0	40.4	41.9	43.4	44.9	46.5	48.2	49.9	51.6	53.4
	37	24.6	25.6	26.6	27.6	28.6	29.7	30.8	32.0	33.2	34.4	35.7	37.0	38.4	39.8	41.2	42.7	44.2	45.8	47.4	49.1	50.8	52.6
	39	24.3	25.2	26.2	27.2	28.2	29.3	30.4	31.5	32.7	33.9	35.2	36.4	37.8	39.1	40.6	42.0	43.5	45.1	46.7	48.3	50.0	51.7
	41	23.9	24.9	25.8	26.8	27.8	28.9	29.9	31.1	32.2	33.4	34.6	35.9	37.2	38.5	39.9	41.3	42.8	44.3	45.9	47.5	49.2	50.9
	43	23.6	24.5	25.5	26.4	27.4	28.4	29.5	30.6	31.7	32.9	34.1	35.3	36.6	37.9	39.3	40.7	42.1	43.6	45.1	46.7	48.3	50.0
	45	23.3	24.2	25.1	26.1	27.0	28.0	29.1	30.2	31.3	32.4	33.6	34.8	36.0	37.3	38.7	40.0	41.4	42.9	44.4	45.9	47.5	49.2
	47			24.8	25.7	26.7	27.7	28.7	29.7	30.8	31.9	33.1	34.3	35.5	36.7	38.0	39.4	40.8	42.2	43.7	45.2	46.7	48.3
	49					26.3	27.3	28.3	29.3	30.4	31.5	32.6	33.7	34.9	36.2	37.4	38.7	40.1	41.5	42.9	44.4	45.9	47.5
	51						26.9	27.9	28.9	29.9	31.0	32.1	33.2	34.4	35.6	36.8	38.1	39.4	40.8	42.2	43.7	45.1	46.7
	53							27.5	28.5	29.5	30.6	31.6	32.7	33.9	35.1	36.3	37.5	38.8	40.1	41.5	42.9	44.4	45.9
	55								28.1	29.1	30.2	31.2	32.3	33.4	34.5	35.7	36.9	38.2	39.5	40.8	42.2	43.6	45.1
	57									28.7	29.8	30.8	31.9	32.9	34.0	35.2	36.4	37.6	38.9	40.2	41.5	42.9	44.3
	59										29.4	30.4	31.5	32.4	33.5	34.7	35.8	37.0	38.2	39.5	40.8	42.2	43.5
	61											30.0	31.1	31.9	33.0	34.2	35.2	36.5	37.6	38.9	40.1	41.5	42.8
	63												30.7	31.4	32.5	33.7	34.6	36.0	37.0	38.3	39.5	40.8	42.1
65														32.0	33.2	34.0	35.5	36.4	37.7	38.9	40.1	41.4	

Współczynnik sprawności COP

Temperatura zasilania	33	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1
	35	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.5	6.7
	37	3.1	3.2	3.3	3.4	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.6	5.8	6.0	6.2	6.4
	39	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.5	5.6	5.8	6.0
	41	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.7
	43	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.2	5.3
	45	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0
	47			2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.6	4.7
	49					2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.5
	51						2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2
	53							2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9
	55																						

Pompa ciepła typ: SO-500

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	23.4	24.5	25.7	26.9	28.1	29.4	30.7	32.1	33.4	34.9	36.3	37.9	39.4	41.0	42.7	44.3	46.1	47.9	49.7	51.6	53.5	55.5
	35	22.7	23.8	25.0	26.2	27.4	28.7	30.0	31.3	32.7	34.1	35.6	37.0	38.6	40.2	41.8	43.5	45.2	46.9	48.8	50.6	52.5	54.5
	37	22.0	23.1	24.3	25.5	26.7	27.9	29.2	30.5	31.9	33.3	34.7	36.2	37.7	39.3	40.9	42.5	44.2	46.0	47.8	49.6	51.5	53.4
	39	21.3	22.4	23.5	24.7	25.9	27.1	28.4	29.7	31.1	32.4	33.8	35.3	36.8	38.3	39.9	41.6	43.2	44.9	46.7	48.5	50.4	52.3
	41	20.5	21.6	22.7	23.9	25.1	26.3	27.6	28.9	30.2	31.5	32.9	34.4	35.9	37.4	38.9	40.5	42.2	43.9	45.6	47.4	49.2	51.1
	43	19.7	20.8	21.9	23.1	24.2	25.4	26.7	28.0	29.3	30.6	32.0	33.4	34.9	36.4	37.9	39.5	41.1	42.8	44.5	46.2	48.0	49.9
	45	18.9	20.0	21.1	22.2	23.4	24.5	25.8	27.0	28.3	29.6	31.0	32.4	33.8	35.3	36.8	38.4	40.0	41.6	43.3	45.0	46.8	48.6
	47			20.2	21.3	22.4	23.6	24.8	26.1	27.3	28.6	30.0	31.4	32.8	34.2	35.7	37.3	38.8	40.4	42.1	43.8	45.5	47.3
	49					21.5	22.7	23.9	25.1	26.3	27.6	28.9	30.3	31.7	33.1	34.6	36.1	37.6	39.2	40.8	42.5	44.2	46.0
	51						21.8	22.9	24.1	25.3	26.6	27.8	29.2	30.5	32.0	33.4	34.9	36.4	38.0	39.6	41.2	42.9	44.6
	53							21.9	23.1	24.2	25.5	26.7	28.0	29.4	30.8	32.2	33.6	35.1	36.7	38.2	39.8	41.5	43.2
	55								22.1	23.1	24.4	25.6	26.9	28.2	29.5	30.9	32.4	33.8	35.3	36.9	38.4	40.1	41.7
	57									22.0	23.3	24.5	25.8	27.0	28.3	29.7	31.1	32.5	34.0	35.5	37.0	38.6	40.2
	59										22.2	23.4	24.7	25.8	27.1	28.3	29.7	31.1	32.6	34.0	35.6	37.1	38.7
	61											22.3	23.6	24.6	25.9	26.9	28.3	29.7	31.1	32.6	34.1	35.6	37.2
	63												22.5	23.4	24.7	25.5	26.9	28.3	29.6	31.1	32.5	34.0	35.6
65														23.5	24.1	25.5	26.9	28.1	29.6	30.9	32.4	34.0	

Pobór mocy kW

Temperatura zasilania	33	8.8	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.2	9.2	9.3
	35	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.5	9.5	9.6	9.6
	37	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8	9.9	9.9	9.9	10.0
	39	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.4
	41	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.8
	43	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.2	11.2
	45	11.5	11.5	11.5	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.7	11.7	11.7
	47			12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.2	12.2	12.2	12.2
	49					12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
	51						13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
	53							13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
	55								14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
	57									15.0	15.0	15.1	15.1	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2
	59										15.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9
	61											16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.6	16.6	16.6	16.6	16.6
	63												17.1	17.1	17.1	17.1	17.2	17.1	17.3	17.3	17.3	17.3	17.3
65														17.7	17.9	17.8	18.1	18.0	18.1	18.1	18.1	18.1	

Moc grzewcza kW

Temperatura zasilania	33	30.7	31.8	32.9	34.1	35.3	36.5	37.8	39.1	40.4	41.8	43.2	44.7	46.2	47.8	49.4	51.0	52.7	54.5	56.3	58.1	60.0	62.0
	35	30.4	31.5	32.6	33.7	34.9	36.1	37.4	38.7	40.0	41.4	42.8	44.2	45.7	47.3	48.8	50.5	52.1	53.8	55.6	57.4	59.3	61.2
	37	30.1	31.2	32.3	33.4	34.6	35.8	37.0	38.3	39.6	40.9	42.3	43.8	45.2	46.7	48.3	49.9	51.5	53.2	55.0	56.7	58.6	60.5
	39	29.8	30.8	31.9	33.1	34.2	35.4	36.6	37.9	39.2	40.5	41.9	43.3	44.7	46.2	47.7	49.3	50.9	52.6	54.3	56.0	57.8	59.7
	41	29.4	30.5	31.6	32.7	33.8	35.0	36.2	37.5	38.7	40.0	41.4	42.8	44.2	45.6	47.1	48.7	50.3	51.9	53.6	55.3	57.1	58.9
	43	29.1	30.1	31.2	32.3	33.4	34.6	35.8	37.0	38.3	39.6	40.9	42.2	43.6	45.1	46.5	48.1	49.6	51.2	52.9	54.6	56.3	58.1
	45	28.7	29.8	30.8	31.9	33.0	34.2	35.4	36.6	37.8	39.1	40.4	41.7	43.1	44.5	45.9	47.4	49.0	50.5	52.2	53.8	55.5	57.3
	47			30.5	31.5	32.6	33.8	34.9	36.1	37.3	38.6	39.9	41.2	42.5	43.9	45.3	46.8	48.3	49.8	51.4	53.1	54.7	56.5
	49					32.2	33.3	34.5	35.6	36.8	38.1	39.3	40.6	41.9	43.3	44.7	46.1	47.6	49.1	50.7	52.3	53.9	55.6
	51						32.8	34.0	35.2	36.4	37.6	38.8	40.1	41.4	42.7	44.1	45.5	46.9	48.4	49.9	51.5	53.1	54.8
	53							33.5	34.8	35.9	37.0	38.3	39.5	40.8	42.1	43.4	44.8	46.2	47.7	49.2	50.7	52.3	53.9
	55								34.4	35.4	36.4	37.7	38.9	40.2	41.5	42.8	44.1	45.5	46.9	48.4	49.9	51.4	53.0
	57									34.9	35.8	37.1	38.3	39.6	40.9	42.1	43.5	44.8	46.2	47.6	49.1	50.6	52.2
	59										35.2	36.5	37.7	39.0	40.3	41.5	42.8	44.1	45.5	46.9	48.3	49.8	51.3
	61											35.9	37.1	38.4	39.7	40.9	42.1	43.4	44.7	46.1	47.5	48.9	50.4
	63												36.5	37.8	39.1	40.3	41.4	42.7	43.9	45.3	46.7	48.1	49.5
65														38.5	39.7	40.7	42.0	43.1	44.5	45.9	47.3	48.6	

Współczynnik sprawności COP

Temperatura zasilania	33	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.2	5.3	5.5	5.6	5.8	6.0	6.2	6.3	6.5	6.7
	35	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.7	5.9	6.0	6.2	6.4
	37	3.1	3.2	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	6.1
	39	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.8	5.0	5.2	5.3	5.5	5.6	5.8
	41	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5
	43	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.2
	45	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9
	47			2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.7
	49					2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.4
	51						2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1
	53							2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2						

Pompa ciepła typ: SO-800

Temperatura zasilania źródła dolnego																					
-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12

Moc chłodnicza kW

Temperatura zasilania	33	39.4	41.3	43.2	45.3	47.3	49.5	51.7	54.0	56.4	58.8	61.3	63.9	66.6	69.4	72.2	75.1	78.1	81.2	84.4	87.7	91.1	94.6
	35	38.2	40.0	42.0	43.9	46.0	48.1	50.3	52.5	54.8	57.2	59.7	62.2	64.9	67.6	70.3	73.2	76.2	79.2	82.3	85.6	88.9	92.3
	37	37.0	38.8	40.7	42.6	44.6	46.7	48.8	51.0	53.3	55.6	58.0	60.5	63.1	65.7	68.5	71.3	74.2	77.2	80.2	83.4	86.7	90.0
	39	35.8	37.5	39.4	41.3	43.2	45.2	47.3	49.5	51.7	54.0	56.4	58.8	61.3	63.9	66.6	69.4	72.2	75.1	78.1	81.2	84.4	87.7
	41	34.5	36.3	38.1	39.9	41.8	43.8	45.9	48.0	50.2	52.4	54.7	57.1	59.6	62.1	64.7	67.4	70.2	73.1	76.0	79.1	82.2	85.4
	43	33.3	35.0	36.8	38.6	40.5	42.4	44.4	46.5	48.6	50.8	53.0	55.4	57.8	60.3	62.8	65.5	68.2	71.0	73.9	76.9	79.9	83.1
	45	32.1	33.7	35.5	37.2	39.1	41.0	42.9	44.9	47.0	49.2	51.4	53.7	56.0	58.4	61.0	63.5	66.2	68.9	71.8	74.7	77.7	80.8
	47	30.8	32.5	34.1	35.9	37.7	39.5	41.4	43.4	45.4	47.5	49.7	51.9	54.2	56.6	59.1	61.6	64.2	66.9	69.6	72.5	75.4	78.4
	49	29.6	31.2	32.8	34.5	36.3	38.1	39.9	41.9	43.8	45.9	48.0	50.2	52.4	54.8	57.1	59.6	62.2	64.8	67.5	70.3	73.1	76.1
	51			31.5	33.2	34.9	36.6	38.4	40.3	42.2	44.2	46.3	48.4	50.6	52.9	55.2	57.6	60.1	62.7	65.3	68.0	70.8	73.7
	53					33.5	35.2	36.9	38.8	40.6	42.6	44.6	46.7	48.8	51.0	53.3	55.7	58.1	60.6	63.2	65.8	68.6	71.4
	55							35.4	37.2	39.0	41.0	42.9	44.9	47.0	49.2	51.4	53.7	56.0	58.5	61.0	63.6	66.3	69.0
	57									37.4	39.4	41.2	43.2	45.2	47.3	49.5	51.7	54.0	56.4	58.8	61.4	64.0	66.6
	59										37.8	39.5	41.4	43.4	45.4	47.5	49.7	51.9	54.3	56.6	59.1	61.6	64.3
	61											37.8	39.6	41.5	43.5	45.6	47.7	49.9	52.1	54.5	56.9	59.3	61.9
	63												37.8	39.6	41.6	43.6	45.7	47.8	50.0	52.3	54.6	57.0	59.5
65														39.7	41.6	43.7	45.8	47.9	50.1	52.4	54.7	57.1	

Pobór mocy kW

Temperatura zasilania	33	14.2	14.2	14.2	14.3	14.3	14.4	14.4	14.4	14.5	14.5	14.6	14.6	14.7	14.7	14.8	14.8	14.9	15.0	15.0	15.1	15.2	15.2
	35	14.8	14.8	14.9	14.9	14.9	15.0	15.0	15.0	15.1	15.1	15.2	15.2	15.3	15.3	15.4	15.4	15.5	15.5	15.6	15.7	15.7	15.8
	37	15.5	15.5	15.5	15.6	15.6	15.6	15.7	15.7	15.7	15.8	15.8	15.8	15.9	15.9	16.0	16.0	16.1	16.1	16.2	16.3	16.3	16.4
	39	16.2	16.2	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.8	16.8	16.9	17.0	17.0
	41	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.2	17.3	17.3	17.4	17.4	17.4	17.5	17.5	17.6	17.6	17.7
	43	17.8	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.9	18.0	18.0	18.0	18.1	18.1	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.4
	45	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	19.0	19.0	19.1	19.1	19.1	19.1	19.2
	47	19.7	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.7	19.8	19.8	19.8	19.9	19.9	19.9	20.0	20.0
	49	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.7	20.7	20.7	20.8	20.8	20.8	20.9
	51			21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.7	21.7	21.8	21.8
	53					22.7	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.8
	55							23.8	23.8	23.8	23.8	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.8
	57								25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
	59									26.0	26.2	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
	61										27.5	27.3	27.4	27.4	27.4	27.4	27.3	27.3	27.3	27.3	27.3	27.3	27.3
	63											28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.6	28.6	28.6	28.6
65														30.0	30.0	30.1	30.1	30.0	30.0	30.0	30.0	29.9	

Moc grzewcza kW

Temperatura zasilania	33	51.1	52.9	54.8	56.8	58.8	60.9	63.1	65.3	67.6	70.0	72.5	75.0	77.6	80.3	83.1	86.0	88.9	91.9	95.1	98.3	101.5	105.0
	35	50.5	52.3	54.1	56.0	58.0	60.1	62.2	64.4	66.6	69.0	71.4	73.9	76.4	79.1	81.8	84.6	87.5	90.5	93.5	96.7	99.9	103.0
	37	49.9	51.7	53.5	55.4	57.3	59.3	61.4	63.5	65.7	68.0	70.3	72.8	75.3	77.9	80.5	83.3	86.1	89.0	92.0	95.1	98.2	101.5
	39	49.4	51.1	52.9	54.7	56.6	58.5	60.6	62.7	64.8	67.0	69.3	71.7	74.2	76.7	79.3	82.0	84.7	87.6	90.5	93.5	96.6	99.8
	41	48.9	50.6	52.3	54.1	55.9	57.8	59.8	61.8	64.0	66.1	68.4	70.7	73.1	75.5	78.1	80.7	83.4	86.2	89.0	92.0	95.0	98.2
	43	48.5	50.1	51.8	53.5	55.3	57.2	59.1	61.1	63.1	65.2	67.4	69.7	72.0	74.4	76.9	79.5	82.1	84.8	87.6	90.5	93.5	96.5
	45	48.1	49.7	51.3	53.0	54.8	56.6	58.4	60.4	62.4	64.4	66.5	68.7	71.0	73.4	75.8	78.3	80.8	83.5	86.2	89.0	91.9	94.9
	47	47.8	49.3	50.9	52.5	54.2	56.0	57.8	59.7	61.6	63.6	65.7	67.8	70.0	72.3	74.7	77.1	79.6	82.2	84.9	87.6	90.4	93.4
	49	47.5	49.0	50.5	52.1	53.8	55.5	57.2	59.0	60.9	62.9	64.9	67.0	69.1	71.3	73.6	76.0	78.4	81.0	83.6	86.2	89.0	91.8
	51			50.2	51.7	53.3	55.0	56.7	58.5	60.3	62.2	64.1	66.2	68.3	70.4	72.6	74.9	77.3	79.8	82.3	84.9	87.6	90.3
	53					53.0	54.6	56.2	57.9	59.7	61.5	63.4	65.4	67.4	69.5	71.7	73.9	76.2	78.6	81.1	83.6	86.2	88.9
	55							55.8	57.5	59.2	61.0	62.8	64.7	66.7	68.7	70.8	73.0	75.2	77.5	79.9	82.4	84.9	87.5
	57									58.7	60.4	62.2	64.0	65.9	67.9	69.9	72.0	74.2	76.5	78.8	81.2	83.6	86.2
	59										59.8	61.7	63.4	65.3	67.2	69.2	71.2	73.3	75.5	77.7	80.0	82.4	84.9
	61											61.2	62.8	64.7	66.5	68.4	70.4	72.4	74.5	76.7	78.9	81.3	83.6
	63												62.2	64.1	65.8	67.7	69.6	71.6	73.6	75.7	77.9	80.1	82.5
65														65.1	67.0	68.8	70.9	72.8	74.8	76.9	79.1	81.3	

Współczynnik sprawności COP

Temperatura zasilania	33	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.1	6.3	6.5	6.7	6.9
	35	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.8	6.0	6.2	6.4	6.5
	37	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.6	4.8	4.9	5.0	5.2	5.4	5.5	5.7	5.9	6.0	6.2
	39	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.5	5.7	5.9
	41	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.1	5.2	5.4	5.5
	43	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.1	5.2
	45	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0
	47	2.4	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.7
	49	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.3	

Pompa ciepła typ: SO-900

Temperatura zasilania źródła dolnego

-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
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Moc chłodnicza kW

Temperatura zasilania	33	48.3	50.7	53.1	55.7	58.2	60.9	63.6	66.4	69.4	72.4	75.5	78.7	82.0	85.4	89.0	92.6	96.4	100.5	104.5	108.5	113.0	117.5
	35	46.9	49.3	51.7	54.2	56.7	59.4	62.1	64.8	67.7	70.7	73.7	76.9	80.1	83.5	86.9	90.5	94.2	98.0	102.0	106.0	110.5	114.5
	37	45.5	47.8	50.2	52.7	55.2	57.8	60.4	63.2	66.0	68.9	71.9	75.0	78.2	81.5	84.9	88.4	92.0	95.8	99.6	103.5	108.0	112.0
	39	43.9	46.3	48.6	51.1	53.6	56.1	58.8	61.5	64.3	67.1	70.1	73.1	76.2	79.5	82.8	86.2	89.8	93.5	97.3	101.0	105.0	109.5
	41	42.3	44.6	47.0	49.4	51.9	54.4	57.0	59.7	62.5	65.3	68.2	71.2	74.2	77.4	80.7	84.1	87.6	91.1	94.9	98.7	102.5	106.5
	43	40.6	42.9	45.3	47.7	50.2	52.7	55.2	57.9	60.6	63.4	66.2	69.2	72.2	75.3	78.5	81.9	85.3	88.8	92.4	96.2	100.0	104.0
	45	38.8	41.2	43.5	45.9	48.3	50.8	53.4	56.0	58.7	61.4	64.2	67.1	70.1	73.2	76.3	79.6	82.9	86.4	90.0	93.6	97.4	101.5
	47	37.0	39.3	41.6	44.0	46.4	48.9	51.4	54.0	56.7	59.4	62.2	65.0	68.0	71.0	74.1	77.3	80.6	84.0	87.4	91.1	94.8	98.6
	49	34.9	37.3	39.6	42.0	44.4	46.9	49.4	51.9	54.6	57.3	60.0	62.8	65.7	68.7	71.7	74.9	78.1	81.4	84.9	88.4	92.1	95.8
	51			37.5	39.9	42.3	44.7	47.2	49.8	52.4	55.0	57.8	60.5	63.4	66.3	69.3	72.4	75.6	78.9	82.2	85.7	89.3	93.0
	53					40.1	42.5	45.0	47.5	50.1	52.7	55.4	58.2	61.0	63.9	66.9	69.9	73.0	76.2	79.5	83.0	86.5	90.1
	55							42.6	45.1	47.7	50.4	53.0	55.7	58.5	61.4	64.3	67.3	70.4	73.5	76.8	80.1	83.6	87.1
	57									45.2	48.1	50.4	53.1	55.9	58.7	61.6	64.6	67.6	70.7	73.9	77.2	80.6	84.0
	59										45.8	47.8	50.4	53.2	56.0	58.8	61.7	64.7	67.8	70.9	74.2	77.5	80.9
	61											45.2	47.7	50.3	53.1	55.9	58.8	61.8	64.8	67.9	71.1	74.3	77.7
63												45.0	47.4	50.2	52.9	55.7	58.7	61.7	64.7	67.9	71.1	74.4	
65														47.3	49.9	52.6	55.5	58.4	61.4	64.5	67.7	71.0	

Pobór mocy kW

Temperatura zasilania	33	16.9	17.0	17.0	17.0	17.1	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4	17.5	17.5	17.6	17.7	17.8	17.8	17.9	18.0	18.1
	35	17.7	17.7	17.8	17.8	17.8	17.9	17.9	17.9	18.0	18.0	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.5	18.5	18.6	18.7	18.8
	37	18.5	18.5	18.6	18.6	18.6	18.7	18.7	18.7	18.8	18.8	18.9	18.9	18.9	19.0	19.0	19.1	19.1	19.2	19.3	19.3	19.4	19.5
	39	19.3	19.4	19.4	19.4	19.5	19.5	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.8	19.9	19.9	19.9	20.0	20.0	20.1	20.2	20.2
	41	20.2	20.2	20.3	20.3	20.3	20.4	20.4	20.4	20.5	20.5	20.5	20.6	20.6	20.6	20.7	20.7	20.8	20.8	20.9	20.9	21.0	21.1
	43	21.1	21.1	21.2	21.2	21.3	21.3	21.3	21.4	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.8	21.8	21.9	21.9
	45	22.0	22.1	22.1	22.2	22.2	22.3	22.3	22.3	22.4	22.4	22.4	22.5	22.5	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.8	22.8
	47	23.0	23.1	23.1	23.2	23.2	23.3	23.3	23.3	23.4	23.4	23.4	23.5	23.5	23.5	23.6	23.6	23.6	23.7	23.7	23.7	23.8	23.8
	49	24.0	24.1	24.2	24.2	24.3	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.9
	51			25.3	25.3	25.4	25.4	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.9	25.9	26.0
	53					26.5	26.5	26.6	26.7	26.7	26.8	26.8	26.8	26.9	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.1	27.1
	55							27.9	27.9	28.0	28.0	28.0	28.1	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.4
	57									29.2	29.3	29.3	29.4	29.4	29.4	29.5	29.5	29.5	29.6	29.6	29.6	29.6	29.7
	59										30.6	30.7	30.7	30.8	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.0	31.0
	61											32.1	32.0	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.5
63												33.3	33.6	33.6	33.8	33.8	33.8	33.9	33.9	33.9	34.0	34.0	
65														35.0	35.3	35.3	35.4	35.5	35.5	35.5	35.5	35.6	

Moc grzewcza kW

Temperatura zasilania	33	62.2	64.5	66.9	69.3	71.8	74.4	77.1	79.8	82.6	85.6	88.6	91.7	94.9	98.3	101.5	105.5	109.0	113.0	117.0	121.0	125.0	129.5
	35	61.5	63.8	66.2	68.6	71.1	73.6	76.2	78.9	81.7	84.6	87.5	90.6	93.8	97.0	100.5	104.0	107.5	111.0	115.0	119.0	123.0	127.5
	37	60.8	63.1	65.4	67.8	70.3	72.8	75.4	78.0	80.7	83.6	86.5	89.5	92.6	95.8	99.1	102.5	106.0	109.5	113.5	117.5	121.5	125.5
	39	60.1	62.4	64.7	67.0	69.5	71.9	74.5	77.1	79.8	82.6	85.4	88.4	91.4	94.5	97.8	101.0	104.5	108.0	112.0	115.5	119.5	123.5
	41	59.3	61.6	63.9	66.2	68.6	71.1	73.6	76.2	78.8	81.6	84.4	87.2	90.2	93.3	96.4	99.7	103.0	106.5	110.0	114.0	117.5	121.5
	43	58.5	60.8	63.1	65.4	67.8	70.2	72.7	75.2	77.8	80.5	83.3	86.1	89.0	92.0	95.1	98.3	101.5	105.0	108.5	112.0	116.0	120.0
	45	57.7	59.9	62.2	64.5	66.9	69.3	71.7	74.3	76.8	79.5	82.2	85.0	87.9	90.8	93.8	97.0	100.0	103.5	107.0	110.5	114.0	118.0
	47	56.8	59.0	61.3	63.6	65.9	68.3	70.8	73.3	75.8	78.4	81.1	83.8	86.7	89.6	92.5	95.6	98.8	102.0	105.5	109.0	112.5	116.0
	49	55.8	58.0	60.3	62.6	65.0	67.3	69.8	72.2	74.7	77.3	80.0	82.7	85.4	88.3	91.2	94.2	97.3	100.5	104.0	107.0	110.5	114.5
	51			59.3	61.6	63.9	66.3	68.7	71.1	73.6	76.2	78.8	81.5	84.2	87.0	89.9	92.8	95.9	99.0	102.0	105.5	109.0	112.5
	53					62.8	65.2	67.6	70.0	72.5	75.0	77.6	80.2	82.9	85.7	88.5	91.4	94.4	97.5	100.5	104.0	107.0	110.5
	55							66.4	68.8	71.3	73.8	76.3	79.0	81.6	84.3	87.1	90.0	92.9	95.9	99.0	102.0	105.5	109.0
	57									70.0	72.5	75.0	77.6	80.3	82.9	85.7	88.5	91.4	94.4	97.4	100.5	103.5	107.0
	59										71.2	73.7	76.3	78.9	81.5	84.2	87.0	89.8	92.8	95.7	98.8	102.0	105.0
	61											72.4	75.0	77.4	80.0	82.7	85.4	88.2	91.1	94.0	97.1	100.0	103.5
63												73.7	75.9	78.5	81.1	83.8	86.6	89.4	92.3	95.3	98.3	101.5	
65														77.0	79.5	82.2	84.9	87.7	90.5	93.4	96.4	99.5	

Współczynnik sprawności COP

Temperatura zasilania	33	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.2
	35	3.5	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.8
	37	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.4
	39	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.7	5.9	6.1
	41	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8
	43	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.6	4.7	4.8	5.0	5.1	5.3	5.5
	45	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.9	5.0	5.2
	47	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.9
	49	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6
	51			2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7					