

Water - cooled condensing unit

WCUX010DZV (C)

60 Hz Performance Data - English Units - Refrigerant R-410A

Suction		37	38	39	40	41	42	43	44	45	46	47
Temperature °F												
Entering Water Temperature °F												
65	<b>Tons</b>	11.7	12.0	12.2	12.4	12.7	12.9	13.2	13.4	13.7	13.9	14.2
	<b>Btuh</b>	140,854	143,588	146,364	149,183	152,047	154,955	157,908	160,907	163,953	167,046	170,187
	<b>W</b>	6,454	6,443	6,431	6,419	6,408	6,396	6,384	6,373	6,361	6,349	6,337
	<b>EER</b>	21.8	22.3	22.8	23.2	23.7	24.2	24.7	25.3	25.8	26.3	26.9
	<b>THR - Btuh</b>	162,895	165,589	168,326	171,106	173,929	176,797	179,710	182,669	185,674	188,727	191,827
70	<b>Tons</b>	11.5	11.7	11.9	12.2	12.4	12.6	12.9	13.1	13.4	13.6	13.9
	<b>Btuh</b>	137,686	140,378	143,111	145,886	148,704	151,565	154,469	157,418	160,412	163,452	166,538
	<b>W</b>	6,856	6,842	6,829	6,815	6,801	6,787	6,773	6,759	6,745	6,731	6,717
	<b>EER</b>	20.1	20.5	21.0	21.4	21.9	22.3	22.8	23.3	23.8	24.3	24.8
	<b>THR - Btuh</b>	161,098	163,744	166,431	169,159	171,930	174,743	177,600	180,501	183,447	186,438	189,476
75	<b>Tons</b>	11.2	11.4	11.6	11.9	12.1	12.3	12.6	12.8	13.1	13.3	13.6
	<b>Btuh</b>	134,333	136,983	139,672	142,402	145,172	147,985	150,840	153,737	156,679	159,665	162,696
	<b>W</b>	7,273	7,258	7,242	7,226	7,211	7,195	7,179	7,163	7,146	7,130	7,114
	<b>EER</b>	18.5	18.9	19.3	19.7	20.1	20.6	21.0	21.5	21.9	22.4	22.9
	<b>THR - Btuh</b>	159,171	161,767	164,404	167,080	169,796	172,555	175,355	178,198	181,084	184,014	186,989
80	<b>Tons</b>	10.9	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.7	13.0	13.2
	<b>Btuh</b>	130,787	133,393	136,038	138,721	141,444	144,207	147,011	149,857	152,745	155,676	158,651
	<b>W</b>	7,709	7,692	7,675	7,657	7,640	7,622	7,604	7,586	7,568	7,549	7,531
	<b>EER</b>	17.0	17.3	17.7	18.1	18.5	18.9	19.3	19.8	20.2	20.6	21.1
	<b>THR - Btuh</b>	157,115	159,662	162,247	164,871	167,534	170,236	172,979	175,763	178,589	181,457	184,369
85	<b>Tons</b>	10.6	10.8	11.0	11.2	11.5	11.7	11.9	12.1	12.4	12.6	12.9
	<b>Btuh</b>	127,039	129,601	132,199	134,835	137,509	140,223	142,975	145,768	148,602	151,477	154,394
	<b>W</b>	8,169	8,150	8,131	8,112	8,092	8,073	8,053	8,033	8,013	7,993	7,972
	<b>EER</b>	15.6	15.9	16.3	16.6	17.0	17.4	17.8	18.1	18.5	19.0	19.4
	<b>THR - Btuh</b>	154,935	157,433	159,966	162,536	165,144	167,790	170,475	173,200	175,965	178,771	181,619
90	<b>Tons</b>	10.3	10.5	10.7	10.9	11.1	11.3	11.6	11.8	12.0	12.3	12.5
	<b>Btuh</b>	123,081	125,597	128,149	130,736	133,361	136,023	138,723	141,462	144,240	147,059	149,918
	<b>W</b>	8,654	8,634	8,613	8,592	8,571	8,550	8,529	8,507	8,485	8,463	8,441
	<b>EER</b>	14.2	14.5	14.9	15.2	15.6	15.9	16.3	16.6	17.0	17.4	17.8
	<b>THR - Btuh</b>	152,635	155,082	157,563	160,079	162,632	165,221	167,848	170,513	173,217	175,960	178,743
95	<b>Tons</b>	9.9	10.1	10.3	10.5	10.7	11.0	11.2	11.4	11.6	11.9	12.1
	<b>Btuh</b>	118,903	121,373	123,877	126,416	128,990	131,600	134,247	136,931	139,653	142,414	145,214
	<b>W</b>	9,170	9,148	9,126	9,103	9,081	9,058	9,035	9,012	8,988	8,964	8,940
	<b>EER</b>	13.0	13.3	13.6	13.9	14.2	14.5	14.9	15.2	15.5	15.9	16.2
	<b>THR - Btuh</b>	150,218	152,613	155,041	157,504	160,001	162,533	165,101	167,705	170,347	173,026	175,745
100	<b>Tons</b>	9.5	9.7	9.9	10.2	10.4	10.6	10.8	11.0	11.2	11.5	11.7
	<b>Btuh</b>	114,498	116,921	119,376	121,865	124,387	126,945	129,537	132,165	134,830	137,532	140,273
	<b>W</b>	9,718	9,695	9,672	9,648	9,624	9,600	9,575	9,550	9,525	9,500	9,474
	<b>EER</b>	11.8	12.1	12.3	12.6	12.9	13.2	13.5	13.8	14.2	14.5	14.8
	<b>THR - Btuh</b>	147,686	150,030	152,405	154,813	157,253	159,727	162,236	164,780	167,359	169,974	172,627

W (Total Power Input in Watts) - Power input to unit, including controls

EER ( Energy Efficiency Ratio) - Btuh / Total power input in Watts

THR (Total Heat Rejection in Btuh) - Btuh

Notes:

1. Condenser: Flow 3.0 gpm / ton

Fouling factor 0.00025 h · ft<sup>2</sup> · °F/Btu

2: - Dual scroll compressor

3: - Refrigerant R-410A

4: - Sea Level

5: - Interpolation between points is acceptable

6: - Extrapolation is not acceptable