Water - cooled condensing unit WCUX020DZV (C)

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

Suction Temperature °F		**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**
Entering Water Temperature °F												
65	***Tons***	23.4	23.8	24.2	24.7	25.1	25.5	25.9	26.3	26.8	27.2	27.6
	Btuh	281,347	286,146	290,992	295,884	300,824	305,811	310,845	315,926	321,054	326,230	331,453
	W	12,919	12,935	12,950	12,964	12,977	12,989	12,999	13,009	13,018	13,025	13,032
	EER	21.8	22.1	22.5	22.8	23.2	23.5	23.9	24.3	24.7	25.0	25.4
	THR - Btuh	325,464	330,317	335,214	340,155	345,139	350,167	355,238	360,352	365,510	370,712	375,956
70	***Tons***	23.0	23.4	23.8	24.2	24.6	25.0	25.5	25.9	26.3	26.8	27.2
	Btuh	275,739	280,580	285,469	290,406	295,391	300,424	305,505	310,634	315,812	321,038	326,313
	W	13,374	13,391	13,406	13,421	13,434	13,448	13,460	13,471	13,482	13,491	13,500
	EER	20.6	21.0	21.3	21.6	22.0	22.3	22.7	23.1	23.4	23.8	24.2
	THR - Btuh	321,413	326,309	331,250	336,237	341,269	346,347	351,470	356,638	361,851	367,110	372,414
75	***Tons***	22.5	22.9	23.3	23.7	24.1	24.5	25.0	25.4	25.8	26.3	26.7
	Btuh	269,489	274,353	279,266	284,227	289,238	294,298	299,407	304,566	309,774	315,032	320,339
	W	13,934	13,949	13,965	13,979	13,993	14,007	14,020	14,032	14,043	14,054	14,064
	EER	19.3	19.7	20.0	20.3	20.7	21.0	21.4	21.7	22.1	22.4	22.8
	THR - Btuh	317,073	321,990	326,954	331,966	337,025	342,131	347,284	352,484	357,732	363,026	368,368
80	***Tons***	21.9	22.3	22.7	23.1	23.5	24.0	24.4	24.8	25.2	25.7	26.1
	Btuh	262,634	267,501	272,419	277,386	282,404	287,472	292,590	297,759	302,978	308,248	313,568
	W	14,598	14,612	14,626	14,640	14,654	14,667	14,679	14,692	14,704	14,715	14,726
	EER	18.0	18.3	18.6	18.9	19.3	19.6	19.9	20.3	20.6	20.9	21.3
	THR - Btuh	312,485	317,401	322,367	327,382	332,446	337,559	342,721	347,931	353,191	358,500	363,858
85	***Tons***	21.3	21.7	22.1	22.5	22.9	23.3	23.8	24.2	24.6	25.1	25.5
	Btuh	255,211	260,063	264,966	269,920	274,926	279,982	285,091	290,250	295,462	300,724	306,039
	W	15,367	15,379	15,392	15,404	15,416	15,428	15,440	15,452	15,464	15,475	15,486
	EER	16.6	16.9	17.2	17.5	17.8	18.1	18.5	18.8	19.1	19.4	19.8
	THR - Btuh	307,688	312,582	317,528	322,525	327,572	332,670	337,820	343,019	348,270	353,572	358,924
90	***Tons***	20.6	21.0	21.4	21.8	22.2	22.7	23.1	23.5	23.9	24.4	24.8
	Btuh	247,258	252,075	256,945	261,866	266,840	271,867	276,946	282,077	287,262	292,498	297,788
	W	16,242	16,251	16,261	16,272	16,282	16,293	16,303	16,314	16,324	16,335	16,345
	EER	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2
	THR - Btuh	302,722	307,573	312,477	317,434	322,444	327,506	332,621	337,788	343,009	348,281	353,607
95	***Tons***	19.9	20.3	20.7	21.1	21.5	21.9	22.3	22.8	23.2	23.6	24.1
	Btuh	238,812	243,575	248,392	253,262	258,186	263,163	268,194	273,278	278,416	283,607	288,853
	W	17,223	17,230	17,237	17,244	17,252	17,260	17,268	17,277	17,286	17,295	17,304
	EER	13.9	14.1	14.4	14.7	15.0	15.2	15.5	15.8	16.1	16.4	16.7
	THR - Btuh	297,628	302,414	307,255	312,151	317,101	322,105	327,164	332,278	337,446	342,669	347,946
100	***Tons***	19.2	19.6	19.9	20.3	20.7	21.2	21.6	22.0	22.4	22.8	23.3
	Btuh	229,910	234,601	239,346	244,146	249,000	253,908	258,871	263,889	268,961	274,089	279,271
	W	18,312	18,315	18,318	18,322	18,326	18,331	18,337	18,343	18,349	18,356	18,363
	EER	12.6	12.8	13.1	13.3	13.6	13.9	14.1	14.4	14.7	14.9	15.2
	THR - Btuh	292,445	297,145	301,901	306,714	311,583	316,508	321,490	326,528	331,623	336,774	341,981

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 ・ft2・°F/Btu
2: - Dual scroll compressor
3: - Refrigerant R-410A
4: - Sea Level
5: - Interpolation between points is acceptable
6: - Extrapolation is not acceptable