Water - cooled condensing unit WCUX050DZV(B)

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***	56.5	57.6	58.7	59.8	60.9	62.1	63.2	64.4	65.6	66.8	68.0
	Btuh	678,496	691,375	704,441	717,694	731,136	744,769	758,596	772,617	786,835	801,251	815,868
	W	29,655	29,672	29,690	29,709	29,729	29,750	29,772	29,796	29,821	29,846	29,874
	EER	22.9	23.3	23.7	24.2	24.6	25.0	25.5	25.9	26.4	26.8	27.3
	THR - Btuh	779,767	792,705	805,831	819,149	832,660	846,365	860,268	874,369	888,671	903,176	917,886
70	***Tons***	55.2	56.2	57.3	58.4	59.5	60.6	61.7	62.8	64.0	65.2	66.4
	Btuh	661,858	674,482	687,288	700,278	713,453	726,817	740,370	754,114	768,052	782,185	796,514
	W	31,577	31,593	31,610	31,629	31,648	31,668	31,690	31,713	31,737	31,762	31,789
	EER	21.0	21.3	21.7	22.1	22.5	23.0	23.4	23.8	24.2	24.6	25.1
	THR - Btuh	769,694	782,373	795,237	808,289	821,531	834,964	848,591	862,413	876,432	890,651	905,072
75	***Tons***	53.7	54.8	55.8	56.9	57.9	59.0	60.1	61.3	62.4	63.5	64.7
	Btuh	644,721	657,077	669,611	682,326	695,224	708,305	721,573	735,029	748,674	762,511	776,542
	W	33,614	33,628	33,644	33,661	33,679	33,699	33,719	33,741	33,764	33,788	33,813
	EER	19.2	19.5	19.9	20.3	20.6	21.0	21.4	21.8	22.2	22.6	23.0
	THR - Btuh	759,511	771,918	784,507	797,280	810,239	823,386	836,723	850,253	863,976	877,896	892,013
80	***Tons***	52.3	53.3	54.3	55.3	56.4	57.4	58.5	59.6	60.7	61.8	63.0
	Btuh	627,044	639,119	651,370	663,798	676,405	689,193	702,164	715,319	728,660	742,190	755,910
	W	35,783	35,796	35,810	35,825	35,842	35,859	35,878	35,898	35,919	35,942	35,966
	EER	17.5	17.9	18.2	18.5	18.9	19.2	19.6	19.9	20.3	20.6	21.0
	THR - Btuh	749,241	761,362	773,662	786,142	798,805	811,653	824,688	837,911	851,325	864,932	878,733
85	***Tons***	50.7	51.7	52.7	53.7	54.7	55.8	56.8	57.9	59.0	60.1	61.2
	Btuh	608,785	620,569	632,524	644,654	656,959	669,441	682,102	694,945	707,970	721,181	734,578
	W	38,103	38,114	38,126	38,139	38,154	38,169	38,186	38,204	38,223	38,244	38,265
	EER	16.0	16.3	16.6	16.9	17.2	17.5	17.9	18.2	18.5	18.9	19.2
	THR - Btuh	738,906	750,728	762,725	774,899	787,253	799,788	812,507	825,410	838,502	851,782	865,254
90	***Tons***	49.2	50.1	51.1	52.1	53.1	54.1	55.1	56.2	57.2	58.3	59.4
	Btuh	589,904	601,384	613,032	624,851	636,842	649,007	661,347	673,865	686,563	699,442	712,504
	W	40,593	40,601	40,611	40,622	40,633	40,646	40,661	40,676	40,693	40,711	40,730
	EER	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5
	THR - Btuh	728,529	740,038	751,719	763,574	775,605	787,814	800,203	812,773	825,528	838,469	851,598
95	***Tons***	47.5	48.5	49.4	50.4	51.3	52.3	53.3	54.3	55.4	56.4	57.5
	Btuh	570,360	581,525	592,854	604,350	616,015	627,850	639,858	652,039	664,397	676,933	689,649
	W	43,271	43,277	43,283	43,291	43,300	43,310	43,321	43,333	43,347	43,362	43,379
	EER	13.2	13.4	13.7	14.0	14.2	14.5	14.8	15.0	15.3	15.6	15.9
	THR - Btuh	718,131	729,314	740,665	752,188	763,882	775,752	787,798	800,022	812,427	825,015	837,787
100	***Tons***	45.8	46.7	47.7	48.6	49.5	50.5	51.5	52.5	53.5	54.5	55.5
	Btuh	550,113	560,950	571,948	583,109	594,436	605,930	617,593	629,427	641,433	653,614	665,971
	W	46,156	46,158	46,161	46,165	46,171	46,177	46,185	46,194	46,205	46,216	46,230
	EER	11.9	12.2	12.4	12.6	12.9	13.1	13.4	13.6	13.9	14.1	14.4
	THR - Btuh	707,736	718,579	729,588	740,764	752,109	763,625	775,314	787,179	799,221	811,442	823,844

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