

Water - cooled condensing unit

WCUX070DZV(B)

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	Tons	80.3	81.8	83.3	84.9	86.5	88.1	89.7	91.4	93.0	94.8	96.5
	Btuh	963,033	981,255	999,749	1,018,517	1,037,561	1,056,884	1,076,489	1,096,378	1,116,555	1,137,020	1,157,778
	W	41,631	41,676	41,724	41,776	41,832	41,892	41,956	42,025	42,097	42,174	42,256
	EER	23.1	23.5	24.0	24.4	24.8	25.2	25.7	26.1	26.5	27.0	27.4
	THR - Btuh	1,105,201	1,123,577	1,142,236	1,161,182	1,180,417	1,199,945	1,219,769	1,239,892	1,260,316	1,281,046	1,302,083
70	Tons	78.4	79.9	81.5	83.0	84.6	86.1	87.7	89.4	91.0	92.7	94.4
	Btuh	941,252	959,194	977,403	995,882	1,014,633	1,033,659	1,052,963	1,072,548	1,092,415	1,112,568	1,133,009
	W	44,258	44,297	44,339	44,385	44,435	44,488	44,545	44,607	44,672	44,742	44,816
	EER	21.3	21.7	22.0	22.4	22.8	23.2	23.6	24.0	24.5	24.9	25.3
	THR - Btuh	1,092,391	1,110,466	1,128,820	1,147,456	1,166,377	1,185,586	1,205,086	1,224,879	1,244,970	1,265,362	1,286,056
75	Tons	76.5	78.0	79.5	81.0	82.5	84.1	85.7	87.3	88.9	90.5	92.2
	Btuh	918,037	935,669	953,563	971,724	990,153	1,008,853	1,027,827	1,047,077	1,066,605	1,086,416	1,106,510
	W	47,040	47,074	47,110	47,150	47,194	47,241	47,292	47,346	47,405	47,467	47,534
	EER	19.5	19.9	20.2	20.6	21.0	21.4	21.7	22.1	22.5	22.9	23.3
	THR - Btuh	1,078,678	1,096,424	1,114,445	1,132,742	1,151,319	1,170,180	1,189,327	1,208,763	1,228,492	1,248,516	1,268,839
80	Tons	74.5	75.9	77.4	78.8	80.3	81.9	83.4	85.0	86.6	88.2	89.9
	Btuh	893,462	910,754	928,305	946,117	964,194	982,538	1,001,152	1,020,037	1,039,198	1,058,636	1,078,355
	W	50,000	50,028	50,059	50,094	50,131	50,172	50,217	50,265	50,317	50,372	50,432
	EER	17.9	18.2	18.5	18.9	19.2	19.6	19.9	20.3	20.7	21.0	21.4
	THR - Btuh	1,064,211	1,081,599	1,099,257	1,117,187	1,135,392	1,153,876	1,172,641	1,191,691	1,211,029	1,230,657	1,250,579
85	Tons	72.3	73.7	75.1	76.6	78.1	79.6	81.1	82.6	84.2	85.8	87.4
	Btuh	867,599	884,521	901,699	919,134	936,829	954,787	973,011	991,503	1,010,266	1,029,303	1,048,616
	W	53,159	53,182	53,208	53,237	53,269	53,304	53,343	53,384	53,430	53,479	53,531
	EER	16.3	16.6	16.9	17.3	17.6	17.9	18.2	18.6	18.9	19.2	19.6
	THR - Btuh	1,049,137	1,066,138	1,083,405	1,100,939	1,118,743	1,136,821	1,155,176	1,173,811	1,192,728	1,211,932	1,231,425
90	Tons	70.0	71.4	72.8	74.2	75.7	77.1	78.6	80.1	81.7	83.2	84.8
	Btuh	840,522	857,045	873,819	890,847	908,131	925,674	943,479	961,548	979,883	998,488	1,017,366
	W	56,539	56,558	56,579	56,603	56,629	56,659	56,691	56,727	56,766	56,808	56,855
	EER	14.9	15.2	15.4	15.7	16.0	16.3	16.6	17.0	17.3	17.6	17.9
	THR - Btuh	1,033,603	1,050,190	1,067,036	1,084,145	1,101,519	1,119,163	1,137,079	1,155,270	1,173,739	1,192,489	1,211,523
95	Tons	67.7	69.0	70.4	71.8	73.2	74.6	76.1	77.5	79.0	80.5	82.1
	Btuh	812,303	828,397	844,738	861,329	878,172	895,271	912,627	930,243	948,121	966,266	984,678
	W	60,163	60,177	60,193	60,212	60,233	60,257	60,284	60,314	60,347	60,384	60,423
	EER	13.5	13.8	14.0	14.3	14.6	14.9	15.1	15.4	15.7	16.0	16.3
	THR - Btuh	1,017,758	1,033,900	1,050,297	1,066,952	1,083,869	1,101,049	1,118,497	1,136,215	1,154,207	1,172,475	1,191,022
100	Tons	65.3	66.6	67.9	69.2	70.6	72.0	73.4	74.8	76.3	77.7	79.2
	Btuh	783,014	798,650	814,529	830,654	847,027	863,651	880,528	897,662	915,054	932,708	950,625
	W	64,051	64,061	64,073	64,087	64,103	64,122	64,144	64,168	64,195	64,226	64,259
	EER	12.2	12.5	12.7	13.0	13.2	13.5	13.7	14.0	14.3	14.5	14.8
	THR - Btuh	1,001,748	1,017,418	1,033,337	1,049,510	1,065,939	1,082,628	1,099,579	1,116,795	1,134,281	1,152,038	1,170,070

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