

Water - cooled condensing unit

WCUX060DZV (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	74.0	75.4	76.8	78.3	79.7	81.2	82.8	84.3	85.8	87.4	89.0
	Btuh	887,971	904,840	921,960	939,334	956,964	974,854	993,004	1,011,418	1,030,098	1,049,046	1,068,265
	W	38,205	38,274	38,345	38,420	38,498	38,580	38,665	38,754	38,847	38,944	39,045
	EER	23.2	23.6	24.0	24.4	24.9	25.3	25.7	26.1	26.5	26.9	27.4
	THR - Btuh	1,018,442	1,035,544	1,052,909	1,070,538	1,088,436	1,106,604	1,125,046	1,143,764	1,162,761	1,182,039	1,201,602
70	Tons	72.1	73.4	74.8	76.2	77.7	79.1	80.6	82.1	83.7	85.2	86.8
	Btuh	864,644	881,170	897,943	914,965	932,238	949,765	967,549	985,591	1,003,894	1,022,461	1,041,293
	W	40,438	40,499	40,562	40,629	40,699	40,772	40,849	40,929	41,012	41,100	41,191
	EER	21.4	21.8	22.1	22.5	22.9	23.3	23.7	24.1	24.5	24.9	25.3
	THR - Btuh	1,002,740	1,019,473	1,036,463	1,053,713	1,071,225	1,089,002	1,107,047	1,125,362	1,143,951	1,162,816	1,181,960
75	Tons	70.1	71.4	72.8	74.2	75.6	77.0	78.5	80.0	81.4	83.0	84.5
	Btuh	841,068	857,238	873,649	890,304	907,206	924,356	941,759	959,414	977,326	995,497	1,013,928
	W	42,824	42,877	42,933	42,992	43,054	43,119	43,187	43,259	43,334	43,412	43,494
	EER	19.6	20.0	20.3	20.7	21.1	21.4	21.8	22.2	22.6	22.9	23.3
	THR - Btuh	987,311	1,003,662	1,020,264	1,037,121	1,054,234	1,071,607	1,089,242	1,107,142	1,125,310	1,143,749	1,162,460
80	Tons	68.1	69.4	70.8	72.1	73.5	74.9	76.3	77.7	79.2	80.7	82.2
	Btuh	817,183	832,981	849,016	865,289	881,805	898,565	915,571	932,826	950,332	968,092	986,107
	W	45,379	45,425	45,474	45,526	45,581	45,638	45,698	45,762	45,829	45,899	45,972
	EER	18.0	18.3	18.7	19.0	19.3	19.7	20.0	20.4	20.7	21.1	21.5
	THR - Btuh	972,153	988,109	1,004,310	1,020,761	1,037,462	1,054,418	1,071,631	1,089,103	1,106,837	1,124,836	1,143,102
85	Tons	66.1	67.4	68.7	70.0	71.3	72.7	74.1	75.5	76.9	78.3	79.8
	Btuh	792,926	808,338	823,981	839,859	855,974	872,328	888,924	905,763	922,849	940,183	957,768
	W	48,122	48,162	48,205	48,250	48,297	48,347	48,400	48,456	48,516	48,578	48,643
	EER	16.5	16.8	17.1	17.4	17.7	18.0	18.4	18.7	19.0	19.4	19.7
	THR - Btuh	957,264	972,812	988,600	1,004,631	1,020,909	1,037,434	1,054,211	1,071,241	1,088,529	1,106,075	1,123,884
90	Tons	64.0	65.3	66.5	67.8	69.1	70.5	71.8	73.2	74.6	76.0	77.4
	Btuh	768,236	783,246	798,484	813,952	829,651	845,585	861,755	878,164	894,815	911,709	928,850
	W	51,071	51,105	51,141	51,180	51,221	51,265	51,311	51,360	51,412	51,466	51,524
	EER	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0
	THR - Btuh	942,643	957,770	973,132	988,731	1,004,571	1,020,653	1,036,981	1,053,557	1,070,385	1,087,466	1,104,803
95	Tons	61.9	63.1	64.4	65.6	66.9	68.2	69.5	70.8	72.2	73.6	74.9
	Btuh	743,049	757,644	772,462	787,504	802,774	818,272	834,003	849,967	866,168	882,608	899,289
	W	54,243	54,272	54,302	54,335	54,370	54,408	54,447	54,490	54,535	54,582	54,633
	EER	13.7	14.0	14.2	14.5	14.8	15.0	15.3	15.6	15.9	16.2	16.5
	THR - Btuh	928,289	942,982	957,904	973,058	988,447	1,004,073	1,019,940	1,036,049	1,052,403	1,069,006	1,085,860
100	Tons	59.8	61.0	62.2	63.4	64.6	65.9	67.1	68.4	69.7	71.1	72.4
	Btuh	717,304	731,470	745,853	760,455	775,280	790,329	805,605	821,110	836,846	852,817	869,024
	W	57,656	57,680	57,705	57,733	57,762	57,794	57,828	57,864	57,903	57,944	57,988
	EER	12.4	12.7	12.9	13.2	13.4	13.7	13.9	14.2	14.5	14.7	15.0
	THR - Btuh	914,199	928,445	942,915	957,612	972,537	987,694	1,003,085	1,018,714	1,034,583	1,050,694	1,067,051

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