

**Air - cooled module**

**VX060DZV (C)**

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

Water Leaving		40	41	42	43	44	45	46	47	48	49	50
Chiller °F												
Air Entering												
Condenser °F												
65	Tons	64.2	65.5	66.8	68.1	69.4	70.8	72.2	73.6	75.0	76.4	77.9
	Btuh	770,317	785,724	801,355	817,210	833,290	849,598	866,135	882,902	899,902	917,135	934,603
	W	52,084	52,205	52,330	52,459	52,593	52,731	52,873	53,020	53,172	53,329	53,492
	EER	14.8	15.1	15.3	15.6	15.8	16.1	16.4	16.7	16.9	17.2	17.5
	Flow (GPM)	154.1	157.1	160.3	163.4	166.7	169.9	173.2	176.6	180.0	183.4	186.9
	PD (Hd. Ft.)	17.9	18.6	19.3	20.0	20.7	21.5	22.3	23.1	23.9	24.7	25.6
70	Tons	62.5	63.7	65.0	66.2	67.5	68.9	70.2	71.5	72.9	74.3	75.7
	Btuh	749,410	764,355	779,514	794,887	810,476	826,282	842,308	858,555	875,024	891,717	908,635
	W	54,340	54,452	54,567	54,686	54,809	54,936	55,068	55,204	55,345	55,491	55,642
	EER	13.8	14.0	14.3	14.5	14.8	15.0	15.3	15.6	15.8	16.1	16.3
	Flow (GPM)	149.9	152.9	155.9	159.0	162.1	165.3	168.5	171.7	175.0	178.3	181.7
	PD (Hd. Ft.)	17.0	17.7	18.3	19.0	19.7	20.4	21.1	21.9	22.7	23.5	24.3
75	Tons	60.7	61.9	63.1	64.3	65.6	66.9	68.2	69.5	70.8	72.1	73.5
	Btuh	727,884	742,365	757,048	771,937	787,032	802,335	817,847	833,570	849,507	865,657	882,023
	W	56,793	56,896	57,002	57,113	57,227	57,344	57,467	57,593	57,724	57,859	57,999
	EER	12.8	13.0	13.3	13.5	13.8	14.0	14.2	14.5	14.7	15.0	15.2
	Flow (GPM)	145.6	148.5	151.4	154.4	157.4	160.5	163.6	166.7	169.9	173.1	176.4
	PD (Hd. Ft.)	16.2	16.8	17.4	18.0	18.7	19.3	20.0	20.7	21.5	22.2	23.0
80	Tons	58.8	60.0	61.2	62.4	63.6	64.8	66.1	67.3	68.6	69.9	71.2
	Btuh	705,683	719,696	733,902	748,303	762,902	777,698	792,694	807,892	823,293	838,898	854,709
	W	59,448	59,544	59,642	59,745	59,850	59,960	60,074	60,191	60,313	60,439	60,570
	EER	11.9	12.1	12.3	12.5	12.7	13.0	13.2	13.4	13.7	13.9	14.1
	Flow (GPM)	141.1	143.9	146.8	149.7	152.6	155.5	158.5	161.6	164.7	167.8	170.9
	PD (Hd. Ft.)	15.3	15.8	16.4	17.0	17.6	18.2	18.9	19.6	20.3	21.0	21.7
85	Tons	56.9	58.0	59.2	60.3	61.5	62.7	63.9	65.1	66.4	67.6	68.9
	Btuh	682,748	696,291	710,017	723,929	738,028	752,316	766,793	781,463	796,325	811,382	826,636
	W	62,310	62,399	62,492	62,587	62,686	62,788	62,894	63,004	63,118	63,236	63,359
	EER	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0
	Flow (GPM)	136.5	139.3	142.0	144.8	147.6	150.5	153.4	156.3	159.3	162.3	165.3
	PD (Hd. Ft.)	14.4	14.9	15.4	16.0	16.6	17.2	17.8	18.4	19.1	19.7	20.4
90	Tons	54.9	56.0	57.1	58.2	59.4	60.5	61.7	62.9	64.0	65.3	66.5
	Btuh	659,023	672,093	685,338	698,757	712,355	726,130	740,087	754,225	768,547	783,054	797,748
	W	65,385	65,469	65,555	65,645	65,738	65,834	65,934	66,037	66,144	66,255	66,370
	EER	10.1	10.3	10.5	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0
	Flow (GPM)	131.8	134.4	137.1	139.8	142.5	145.2	148.0	150.8	153.7	156.6	159.5
	PD (Hd. Ft.)	13.5	13.9	14.5	15.0	15.5	16.1	16.7	17.2	17.9	18.5	19.1
95	Tons	52.9	53.9	55.0	56.1	57.2	58.3	59.4	60.5	61.7	62.8	64.0
	Btuh	634,451	647,046	659,805	672,731	685,823	699,085	712,518	726,123	739,901	753,855	767,986
	W	68,677	68,756	68,838	68,923	69,011	69,102	69,197	69,294	69,396	69,501	69,610
	EER	9.2	9.4	9.6	9.8	9.7	10.1	10.3	10.5	10.7	10.8	11.0
	Flow (GPM)	126.9	129.4	132.0	134.5	137.2	139.8	142.5	145.2	148.0	150.8	153.6
	PD (Hd. Ft.)	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.1	16.6	17.2	17.8
100	Tons	50.7	51.8	52.8	53.8	54.9	55.9	57.0	58.1	59.2	60.3	61.4
	Btuh	608,975	621,092	633,364	645,792	658,378	671,123	684,029	697,098	710,331	723,729	737,295
	W	72,191	72,267	72,346	72,427	72,512	72,599	72,689	72,782	72,879	72,979	73,083
	EER	8.4	8.6	8.8	8.9	9.1	9.2	9.4	9.6	9.7	9.9	10.1
	Flow (GPM)	121.8	124.2	126.7	129.2	131.7	134.2	136.8	139.4	142.1	144.7	147.5
	PD (Hd. Ft.)	11.6	12.1	12.5	13.0	13.4	13.9	14.4	14.9	15.4	16.0	16.5
105	Tons	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.6	56.6	57.7	58.8
	Btuh	582,538	594,174	605,956	617,884	629,960	642,186	654,564	667,094	679,778	692,619	705,617
	W	75,933	76,007	76,084	76,162	76,244	76,328	76,415	76,505	76,598	76,694	76,794
	EER	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0	9.2
	Flow (GPM)	116.5	118.8	121.2	123.6	126.0	128.4	130.9	133.4	136.0	138.5	141.1
	PD (Hd. Ft.)	10.7	11.1	11.5	11.9	12.4	12.8	13.3	13.8	14.2	14.7	15.3

<b>EER IPLV</b>	<b>12.86</b>	<b>Kw/Ton</b>	<b>IPLV</b>	<b>0.933</b>	<b>COP IPLV</b>	<b>3.767</b>
EER at 100%	9.72	kW/ton at 100%		1.235	COP at 100%	2.848
EER at 75%	11.74	kW/ton at 75%		1.022	COP at 75%	3.441
EER at 50%	13.51	kW/ton at 50%		0.888	COP at 50%	3.958
EER at 25%	14.56	kW/ton at 25%		0.824	COP at 25%	4.266

**Shaded area rated in accordance with ARI Standard 550/590**

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

KW/ton (Power Input per Ton) - Power input to unit, including controls - in kW to the net refrigerating capacity in tons

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

COP (Coefficient of Performance) - Cooling capacity in Watts / Total power input in Watts

IPLV (Integrated Part Load Value)

**Notes:**

1. Evaporator: Flow based on 2.4 gpm / ton for 10°F Evaporator temperature drop, with Fouling factor 0.0001 h · ft<sup>2</sup> · °F/Btu
2. Condenser: 95°F Ambient Air Temperature, 120°F Condensing Temperature, Sea Level.
3. Interpolation between points is acceptable, Extrapolation is not acceptable.