



WONGSO XUEMEI CONDENSING UNIT

Wongso Xuemei Condensing Unit (WXCU Series) is an open design condensing unit. WXCU Series are designed for medium temperature, low temperature, and air blast freezer applications.

Standard product consists of compressor, condenser, fan, and complete accessories without control panel. The WXCU units are available in semi hermetic and two stage compressor configurations.



Wongso Xuemei Condensing Unit Medium Temperature Performance Data

Performance data 50 Hz based on 20°C suction gas temperature with liquid subcooling.



Model	Compressor			Current (A)	TE TA	Capacity R404a (kW)							
	Type	HP	Max. Operating Current (A)			0	-5	-10	-15	-20	-25	-30	
WXCU-0050-M	500-BV-18X	5	19/11	1.4/0.94	30	Q	17,50	14,40	11,80	9,61	7,71	6,10	4,75
						P	3.66	3.56	3.41	3.22	2.99	2.73	2.45
					40	Q	14,80	12,20	10,00	81,40	6,51	5,14	3,99
						P	4.34	4.14	3.89	3.61	3.29	2.96	2.61
					50	Q	12,00	9,94	8,13	6,58	5,25	4,13	3,18
						P	4.88	4.58	4.25	3.88	3.49	3.09	2.68
WXCU-0060-M	600-BV-23X	6	23/13	1.4/0.77	30	Q	22,00	18,10	14,80	12,00	9,66	7,63	5,93
						P	4.65	4.51	4.30	4.04	3.72	3.38	3.00
					40	Q	18,60	15,30	12,50	10,10	8,12	6,38	4,92
						P	5.52	5.24	4.90	4.51	4.08	3.63	3.17
					50	Q	15,10	12,50	10,20	8,22	6,52	5,08	3,87
						P	6.22	5.81	5.35	4.85	4.32	3.78	3.23
WXCU-0070-M	700-BV-27X	7	28/16	1.4/0.77	30	Q	26,20	21,70	17,80	14,50	11,70	9,28	7,25
						P	5.54	5.39	5.15	4.84	4.47	4.06	3.63
					40	Q	22,40	18,50	15,10	12,30	9,87	7,79	6,04
						P	6.57	6.25	5.85	5.40	4.91	4.39	3.85
					50	Q	18,40	15,20	12,40	10,00	8,00	6,26	4,81
						P	7.43	6.96	6.42	5.84	5.23	4.61	3.98
WXCU-0090-M	900-BV-33X	9	35/20	1.4/0.77	30	Q	31,70	26,30	21,60	17,60	14,10	11,20	8,73
						P	6.82	6.61	6.29	5.88	5.40	4.87	4.31
					40	Q	27,10	22,40	18,30	14,80	11,80	9,31	7,18
						P	8.10	7.66	7.14	6.54	5.90	5.22	4.54
					50	Q	22,50	18,50	15,00	12,10	9,61	7,48	5,69
						P	9.19	8.55	7.83	7.07	6.27	5.47	4.67
WXCU-0100-M	1000-BV-34X	10	19.9	2.7/1.88	30	Q	34,10	28,10	23,00	18,50	14,80	11,60	8,89
						P	6.92	6.71	6.38	5.94	5.42	4.85	4.25
					40	Q	28,80	23,60	19,10	15,30	12,10	9,35	7,04
						P	8.20	7.72	7.15	6.50	5.79	5.06	4.33
					50	Q	23,50	19,10	15,40	12,20	9,48	7,19	5,28
						P	9.22	8.50	7.70	6.86	5.98	5.11	4.26
WXCU-0120-M	1200-BV-41X	12	25.1	2.7/1.88	30	Q	40,90	33,80	27,70	22,40	17,90	14,10	10,80
						P	8.43	8.16	7.74	7.20	6.57	5.88	5.17
					40	Q	34,70	28,50	23,20	18,60	14,70	11,50	8,75
						P	10.00	9.42	8.73	7.94	7.09	6.21	5.34
					50	Q	28,50	23,30	18,80	14,90	11,70	9,00	6,72
						P	11.32	10.45	9.50	8.48	7.44	6.40	5.39
WXCU-0150-M	1500-BV-48X	15	28.2	2.8/1.5	30	Q	47,30	38,90	31,70	25,50	20,30	15,80	12,00
						P	9.72	9.35	8.82	8.15	7.39	6.56	5.69
					40	Q	39,80	32,60	26,40	21,00	16,50	12,70	9,52
						P	11.40	10.67	9.82	8.87	7.86	6.82	5.78
					50	Q	32,40	26,30	21,10	16,60	12,90	9,76	7,14
						P	12.78	11.73	10.58	9.38	8.14	6.91	5.71

TE : Evaporating Temperature (°C) TA : Ambient Temperature (°C) Q : Cooling Capacity (kW) P : Power Input (kW)

Wongso Xuemei Condensing Unit Medium Temperature Performance Data

Performance data 50 Hz based on 20°C suction gas temperature with liquid subcooling.



Model	Compressor			Current (A)	TE TA	Capacity R404a (kW)							
	Type	HP	Max. Operating Current (A)			0	-5	-10	-15	-20	-25	-30	
WXCU-0200-M	2000-BV-56X	20	33.2	2.8/1.5	30	Q	55,70	46,00	37,60	30,40	24,30	19,00	14,70
						P	11.45	11.00	10.38	9.62	8.76	7.83	6.86
					40	Q	47,20	38,80	31,50	25,40	20,10	15,60	11,90
						P	13.42	12.60	11.64	10.58	9.45	8.29	7.14
					50	Q	38,70	31,70	25,60	20,40	16,00	12,30	9,31
						P	15.16	13.99	12.72	11.39	10.03	8.67	7.36
WXCU-0250-M	2500-BV-71X	25	44	2.8/1.5	30	Q	72,10	59,90	49,40	40,30	32,50	25,75	20,05
						P	15.15	14.55	13.76	12.83	11.78	10.64	9.44
					40	Q	61,50	51,00	41,90	34,00	27,20	21,40	16,47
						P	17.74	16.68	15.47	14.16	12.76	11.32	9.85
					50	Q	50,70	41,90	34,25	27,60	21,90	17,04	12,91
						P	19.88	18.41	16.82	15.15	13.44	11.71	10.00
WXCU-0300-M	3000-BV-86X	30	51,2	6.4/4.4	30	Q	82,70	68,80	56,80	46,35	37,40	29,70	23,15
						P	17,66	16,90	15,94	14,83	13,60	12,27	10,88
					40	Q	70,60	58,60	48,20	39,20	31,40	24,80	19,16
						P	20,56	19,30	17,89	16,37	14,75	13,09	11,40
					50	Q	57,90	48,00	39,30	31,80	25,35	19,82	15,14
						P	22,94	21,24	19,42	17,52	15,56	13,59	11,64
WXCU-0350-M	3500-BV-103X	35	62.1	6.4/4.4	30	Q	99,00	82,60	68,30	56,00	45,40	36,30	28,50
						P	21.87	21.00	19.85	18.49	16.95	15.28	13.53
					40	Q	84,50	70,50	58,30	47,70	38,50	30,60	23,90
						P	25.61	24.13	22.42	20.53	18.51	16.40	14.25
					50	Q	69,50	58,00	47,90	39,10	31,50	24,80	19,10
						P	28.79	26.73	24.48	22.09	19.60	17.07	14.55
WXCU-0351-M	3500-BW-106X	35	64.4	6.4/4.4	30	Q	105,00	88,00	72,50	59,20	47,70	37,90	29,50
						P	22.36	21.53	20.42	19.06	17.52	15.84	14.06
					40	Q	90,30	74,90	61,20	50,00	40,00	31,50	24,20
						P	26.15	24.71	23.02	21.14	19.12	16.99	14.81
					50	Q	74,50	61,60	50,40	40,60	32,20	25,10	18,90
						P	29.42	27.39	25.16	22.78	20.28	17.72	15.14
WXCU-0400-M	4000-BW-129X	40	73.9	9.6/6.6	30	Q	120,40	100,30	82,80	67,70	54,70	43,50	34,00
						P	26.29	25.20	23.84	22.23	20.45	18.52	16.51
					40	Q	102,40	85,20	70,20	57,20	46,00	36,40	28,20
						P	30.41	28.69	26.72	24.56	22.26	19.86	17.41
					50	Q	84,10	69,90	57,40	46,50	37,20	29,10	22,20
						P	34.05	31.71	29.16	26.45	23.63	20.74	17.84
WACU-0500-M	5000-BW-154X	50	96.2	9.6/6.6	30	Q	14,60	12,20	10,00	8,25	6,67	5,32	4,16
						P	32.59	31.30	29.63	27.63	25.38	22.93	20.37
					40	Q	12,40	10,30	8,57	6,99	5,63	4,46	3,46
						P	37.80	35.65	33.16	30.41	27.46	24.38	21.23
					50	Q	10,20	8,51	7,01	5,71	4,57	3,58	2,74
						P	42.15	39.16	35.90	32.43	28.82	25.13	21.42

TE : Evaporating Temperature (°C) TA : Ambient Temperature (°C) Q : Cooling Capacity (kW) P : Power Input (kW)

Wongso Xuemei Condensing Unit Low Temperature Performance Data

Performance data 50 Hz based on 20°C suction gas temperature with liquid subcooling.



Model	Compressor			Current (A)	TE TA							
	Type	HP	Max. Operating Current (A)			-5	-10	-15	-20	-25	-30	
WXCU-0030-L	300-BV-18X	3	16/9	0.52/0.31	30	Q	14,40	11,80	9,61	20,30	15,90	12,10
						P	3.61	3.45	3.25	7.43	6.61	5.75
					40	Q	12,20	10,00	8,14	16,60	12,80	9,66
						P	4.23	3.96	3.66	7.95	6.90	5.84
					50	Q	99,40	81,40	65,80	13,00	9,83	7,20
						P	4.71	4.35	3.96	3.54	6.90	5.66
WXCU-0040-L	400-BV-23X	4	19/11	0.52/0.31	30	Q	18,30	15,00	12,20	9,79	7,76	6,05
						P	4.61	4.40	4.12	3.80	3.43	3.05
					40	Q	15,50	12,70	10,30	8,27	6,52	5,06
						P	5.42	5.06	4.65	4.20	3.73	3.25
					50	Q	12,60	10,30	8,39	6,69	5,24	4,02
						P	6.07	5.58	5.05	4.49	3.92	3.35
WXCU-0050-L	500-BV-27X	5	23/14	1.4/0.94	30	Q	21,70	17,80	14,50	11,70	9,28	7,25
						P	5.47	5.22	4.89	4.51	4.08	3.63
					40	Q	18,50	15,10	12,30	9,87	7,79	6,03
						P	6.40	5.97	5.49	4.97	4.42	3.86
					50	Q	15,20	12,40	10,00	8,00	6,26	4,80
						P	7.17	6.59	5.96	5.31	4.65	3.99
WXCU-0060-L	600-BV-33X	6	28/16	1.4/0.77	30	Q	26,30	21,60	17,60	14,10	11,20	8,73
						P	6.61	6.29	5.88	5.40	4.87	4.31
					40	Q	22,40	18,30	14,80	11,80	9,31	7,18
						P	7.66	7.14	6.54	5.90	5.22	4.54
					50	Q	18,50	15,00	12,10	9,61	7,48	5,69
						P	8.55	7.83	7.07	6.27	5.47	4.67
WXCU-0070-L	600-BV-34X	7	10.0	1.4/0.77	30	Q	28,10	23,00	18,50	14,80	11,60	8,89
						P	6.92	6.55	6.07	5.52	4.91	4.27
					40	Q	23,60	19,10	15,30	12,10	9,35	7,04
						P	8.04	7.39	6.68	5.91	5.13	4.35
					50	Q	19,10	15,40	12,20	9,48	7,19	5,28
						P	8.92	8.02	7.08	6.12	5.18	4.28
WXCU-0080-L	800-BV-41X	8	12.1	1.4/0.77	30	Q	33,80	27,70	22,40	17,90	14,10	10,90
						P	8.32	7.89	7.34	6.69	5.98	5.24
					40	Q	28,60	23,30	18,70	14,80	11,50	8,82
						P	9.70	8.96	8.13	7.24	6.33	5.42
					50	Q	23,30	18,80	15,00	11,70	9,03	6,74
						P	10.80	9.77	8.69	7.58	6.49	5.42
WXCU-0100-L	1000-BV-48X	10	13.6	2.7/1.88	30	Q	38,90	31,70	25,60	20,30	15,90	12,10
						P	9.36	8.84	8.18	7.43	6.61	5.75
					40	Q	32,80	26,50	21,20	16,60	12,80	9,66
						P	10.78	9.93	8.97	7.95	6.90	5.84
					50	Q	26,50	21,20	16,70	13,00	9,83	7,20
						P	11.84	10.67	9.43	8.17	6.90	5.66

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Wongso Xuemei Condensing Unit Low Temperature Performance Data



Performance data 50 Hz based on 20°C suction gas temperature with liquid subcooling.

Model	Compressor			Current (A)	TE TA							
	Type	HP	Max. Operating Current (A)			-5	-10	-15	-20	-25	-30	
WXCU-0120-L	1200-BV-56X	12	15.9	2.7/1.88	30	Q	45,70	37,40	30,20	24,10	18,90	14,60
						P	11.15	10.54	9.78	8.91	7.97	6.98
					40	Q	38,80	31,50	25,40	20,10	15,60	11,90
						P	12.91	11.93	10.84	9.67	8.45	7.23
					50	Q	31,50	25,50	20,30	15,90	12,20	9,14
						P	14.25	12.93	11.53	10.08	8.61	7.17
WXCU-0150-L	1500-BV-71X	15	36.7	2.8/1.5	30	Q	60,50	50,00	40,90	33,00	26,30	20,60
						P	15.02	14.20	13.22	12.12	10.94	9.71
					40	Q	51,70	42,60	34,70	27,90	22,00	17,00
						P	17.36	16.08	14.69	13.23	11.72	10.20
					50	Q	42,60	35,00	28,30	22,60	17,70	13,50
						P	19.32	17.61	15.84	14.03	12.22	10.44
WXCU-0200-L	2000-BV-86X	20	43.9	2.8/1.5	30	Q	69,90	57,80	47,30	38,30	30,60	24,10
						P	17.88	16.84	15.63	14.30	12.88	11.41
					40	Q	59,80	49,30	40,30	32,50	25,90	20,20
						P	20.71	19.13	17.44	15.68	13.88	12.09
					50	Q	49,30	40,60	33,00	26,50	21,00	16,20
						P	23.12	21.03	18.88	16.72	14.58	12.50
WXCU-0250-L	2500-BV-103X	25	52.8	2.8/1.5	30	Q	83,00	68,80	56,40	45,80	36,70	28,90
						P	21.42	20.27	18.88	17.32	15.63	13.86
					40	Q	71,00	58,80	48,20	39,00	31,10	24,30
						P	24.66	22.93	21.01	18.96	16.82	14.65
					50	Q	58,60	48,50	39,60	32,00	25,30	19,60
						P	27.37	25.09	22.66	20.14	17.57	15.02
WXCU-0251-L	2500-BW-106X	25	53.2	2.8/1.5	30	Q	88,90	73,40	60,10	48,60	38,70	30,30
						P	22.07	20.89	19.46	17.83	16.07	14.21
					40	Q	75,90	62,60	51,00	41,00	32,40	25,10
						P	25.45	23.65	21.64	19.49	17.25	14.97
					50	Q	62,80	51,50	41,70	33,30	26,10	19,90
						P	28.35	25.94	23.38	20.72	18.01	15.32
WXCU-0300-L	3000-BW-129X	30	65.5	6.4/4.4	30	Q	102,70	85,20	70,00	57,00	45,70	36,20
						P	26.50	25.02	23.29	21.37	19.33	17.21
					40	Q	87,90	72,90	59,80	48,50	38,90	30,60
						P	30.69	28.50	26.13	23.63	21.05	18.46
					50	Q	72,80	60,30	49,40	39,90	31,80	24,80
						P	34.53	31.64	28.61	25.52	22.40	19.33
WXCU-0400-L	4000-BW-154X	40	83.2	9.6/6.6	30	Q	123,60	102,40	84,10	68,30	54,70	43,10
						P	32.18	30.52	28.52	26.27	23.83	21.26
					40	Q	105,70	87,50	71,80	58,10	46,30	36,20
						P	36.82	34.34	31.59	28.63	25.55	22.40
					50	Q	87,20	72,20	59,10	47,60	37,70	29,20
						P	40.71	37.44	33.95	30.33	26.63	22.93

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Wongso Xuemei Condensing Unit

Medium Temperature Dimensions & Cross References



Model	Power (kW)	Air Flow (cmh)	Connection		Net Weight Kgs	Dimension (mm)			Product Cross Reference				
			Suction	Liquid		Width	Depth	Height	Xuemei	Bitzer	Frascold	Bock	Dorin
WXCU-0050-M	0,25	4350	7/8	1/2	166	1060	950	655	500-BV-18X	4FES-5Y	Q5-19.1Y	HGX34P/215-4S	H403CC
WXCU-0060-M	0.8/0.55	7600/5600	1 1/8	1/2	166	1060	950	905	600-BV-23X	4EES-6Y	Q5-24.1Y	HGX34P/225-4S	H503CC
WXCU-0070-M	0.72/0.47	8600/5450	1 1/8	5/8	221	1140	1030	905	700-BV-27X	4DES-7Y	Q7-28.1Y	HGX34P/315-4S	H701CC
WXCU-0090-M	0.72/0.47	7700/4900	1 1/8	5/8	240	1140	1030	950	900-BV-33X	4CES-9Y	Q7-33.1Y	HGX34P/380-4S	H1002CC
WXCU-0100-M	0.72/0.47	7700/4900	1 1/8	5/8	240	1140	1030	950	1000-BV-34X				
WXCU-0120-M	1.56/1.1	14200/11200	1 3/8	5/8	297	1550	1030	950	1200-BV-41X	4TES-12Y	S12-42Y	HGX4/465-4S	H1201CC
WXCU-0150-M	1.56/1.1	13550/10200	1 5/8	7/8	364	1550	1030	950	1500-BV-48X	4PES-15Y	S15-51Y	HGX4/555-4S	H1501CC
WXCU-0200-M	1.44/0.9	15000/9800	1 5/8	7/8	367	2070	1180	950	2000-BV-56X	4NES-20Y	S20-56Y	HGX4/650-4S	H2001CC
WXCU-0250-M	1.44/0.9	16800/10700	2 1/8	7/8	422	2070	1180	1050	2500-BV-71X	4HE-25Y	V-25-71Y	HGX5/830-4S	H2500CC
WXCU-0300-M	1.44/0.9	20800/13000	2 1/8	7/8	507	2370	1230	1250	3000-BV-86X	4GE-30Y	V30-84Y	HGX5/945-4S	H3000CC
WXCU-0350-M	3.8/2.7	29900/24000	2 1/8	7/8	496	2370	1230	1250	3500-BV-103X	4FE-35Y	V35-103Y		H3400CC
WXCU-0351-M	3.8/2.7	29900/24000	2 1/8	7/8	496	2370	1230	1250	3500-BW-106X	6HE-35Y	Z35-106Y	HGX6/1240-4S	H3500CC
WXCU-0400-M	3.8/2.7	29900/24000	2 1/8	7/8	542	2370	1230	1250	4000-BW-129X	6GE-40Y	Z40-126Y	HGX6/1410-4S	H4500CC
WXCU-0500-M	3.8/2.7	33600/27000	2 1/8	1 1/8	546	2370	1230	1250	5000-BW-154X	6FE-50Y	Z50-154Y	HGX7/1620-4S	H5000CC

Wongso Xuemei Condensing Unit

Low Temperature Dimensions & Cross References

Recommended by Wongso

Model	Power (kW)	Air Flow (cmh)	Connection		Net Weight Kgs	Dimension (mm)			Product Cross Reference				
			Suction	Liquid		Width	Depth	Height	Xuemei	Bitzer	Frascold	Bock	Dorin
WXCU-0030-L	0,25	4200	7/8	1/2	141	910	850	655	300BV-18X	2CES-3Y	D3-16.1Y	HGX22P/190-4	H300CS
WXCU-0040-L	0,25	4200	1 1/8	1/2	156	910	850	655	400BV-23X	4EES-4Y	Q4-24.1Y	HGX34P/225-4	H403CS
WXCU-0050-L	0,25	4350	1 1/8	1/2	169	1060	950	655	500-BV-27X	4DES-5Y	Q5-28.1Y	HGX34P/315-4	H701CS
WXCU-0060-L	0.8/0.55	7600/5600	1 1/8	1/2	174	1060	950	905	600-BV-33X	4CES-6Y	Q5-33.1Y	HGX34P/380-4	H751CS
WXCU-0070-L	0.8/0.55	7600/5600	1 1/8	1/2	174	1060	950	905	600BV-34X				
WXCU-0080-L	0.72/0.47	8600/5450	1 3/8	5/8	273	1140	1030	905	800BV-41X	4TES-9Y	S8-42Y	HGX4/465-4	H801CS
WXCU-0100-L	0.72/0.47	7700/4900	1 3/8	5/8	295	1140	1030	950	1000-BV-48X	4PES-12Y	S10-52Y		H1001CS
WXCU-0120-L	1.56/1.1	14200/11200	1 3/8	7/8	338	1550	1030	950	1200-BV-56X	4NES-14Y	S15-56Y		H1501CS
WXCU-0150-L	1.44/0.9	15000/9800	1 5/8	7/8	418	2070	1180	950	1500-BV-71X	4HE-18Y	V15-71Y	V15-71Y	H2000CS
WXCU-0200-L	1.44/0.9	15000/9800	2 1/8	7/8	410	2070	1180	950	2000-BV-86X	4GE-23Y	V20-84Y	V20-84Y	H2500CS
WXCU-0250-L	1.44/0.9	16800/10700	2 1/8	7/8	450	2070	1180	1050	2500-BV-103X	6HE-28Y	Z25-106Y	Z25-106Y	H3000CS
WXCU-0251-L	1.44/0.9	16800/10700	2 1/8	7/8	450	2070	1180	1050	2500-BV-106X				
WXCU-0300-L	1.44/0.9	20800/13000	2 1/8	7/8	531	2370	1180	1250	3000-BV-129X	6GE-34Y	Z30-126Y	Z30-126Y	H4000CS
WXCU-0400-L	3.8/2.7	29900/24000	2 1/8	1 1/8	543	2370	1180	1250	4000-BV-154X	6FE-44Y	Z40-154Y	Z40-154Y	H5000CS

