



## Wongso Commercial Condensing Unit

Wongso Commercial Condensing Unit (WCCU Series) has capacity range from 0,5 HP until 10 HP for medium temperature application and from 0,75 HP until 8,25 HP for low medium temperature.

WCCU Series is a closed design outdoor condensing unit using reciprocating hermetic piston compressor. Reliability, compactness and low cost make this condensing unit become an optimal cooling solution for refrigeration.

## CAPACITIES & SPECIFICATIONS

Model	Compressor			Coil Vol. (L)	Air Flow (m³/hr)	Fan Motors		Connections		Receiver vol. (L)	Net Weight (kg)	Noise dB(A)**	Dimension (mm)		
	TYPE	Operating Current (A)	LRC (A)			NO.	FLC (A)	SUCTION	LIQUID				Width	Depth	Height
WCCU-0050	SC 15	3	18.4	1.9	1910	1	0.6	3/8	1/4	1.2	46	29	887	430	489
WCCU-0100	SC 18	4.3	23.4	1.9	1910	1	0.6	3/8	1/4	1.2	46	29	887	430	489
WCCU-0150	MTZ 18 - 5VM	6.6	40	1.5	3040	1	0.6	1/2	3/8	4.6	82	37	1109	478	649
WCCU-0150	MTZ 18 - 4VM	2.7	20	1.5	3040	1	0.6	1/2	3/8	4.6	82	37	1109	478	649
WCCU-0225	MTZ 28 - 5VM	11	51	3.1	2620	1	0.6	1/2	3/8	4.6	89	36	1109	478	649
WCCU-0225	MTZ 28 - 4VM	4	23	3.1	2620	1	0.6	1/2	3/8	4.6	89	36	1109	478	649
WCCU-0300	MTZ 36 - 5VM	15.2	60	3.1	2620	1	0.6	5/8	3/8	4.6	89	37	1109	478	649
WCCU-0300	MTZ 36 - 4VM	4.9	30	3.1	2620	1	0.6	5/8	3/8	4.6	89	37	1109	478	649
WCCU-0400	MTZ 50 - 4VM	6.5	42	4.7	6050	1	1.1	7/8	1/2	7.6	120	37	1335	529	884
WCCU-0500	MTZ 64 - 4VM	8.3	67	4.7	6050	1	1.1	7/8	1/2	7.6	120	40	1335	529	884
WCCU-0600	MTZ 72 - 4VM	8.7	80	7.6	5180	1	1.1	7/8	1/2	7.6	126	40	1335	529	884
WCCU-0675	MTZ 81 - 4VM	10.3	80	7.6	5180	1	1.1	1 1/8	1/2	7.6	126	42	1335	529	884
WCCU-0825	MTZ 100 - 4VM	12.4	90	6.9	6770	2	1.6	1 1/8	1/2	14	205	42	1258	590	1436
WCCU-1000	MTZ 125 - 4VM	14.3	105	6.9	6770	2	1.6	1 1/8	1/2	14	205	42	1258	590	1436
WCCU-0075	SC 18	3.8	23.5	1.9	1910	1	0.6	3/8	1/4	1.2	46	30	887	430	489
WCCU-0175	NTZ 48 - 5VM	5.9	37	1.5	3040	1	0.6	5/8	3/8	4.6	86	35	1109	478	649
WCCU-0175	NTZ 48 - 4VM	2.6	16	1.5	3040	1	0.6	5/8	3/8	4.6	86	35	1109	478	649
WCCU-0225	NTZ 68 - 5VM	10.8	53	3.1	2620	1	0.6	5/8	3/8	4.6	92	38	1109	478	649
WCCU-0225	NTZ 68 - 4VM	4.1	25	3.1	2620	1	0.6	5/8	3/8	4.6	92	38	1109	478	649
WCCU-0350	NTZ 96 - 4VM	4.3	32	5	6050	1	1.1	7/8	1/2	7.6	125	38	1335	529	884
WCCU-0400	NTZ 136 - 4VM	7.5	51	5	6050	1	1.1	1 1/8	1/2	7.6	125	38	1335	529	884
WCCU-0725	NTZ 215 - 4VM	9.8	74	6.9	6770	2	1.6	1 1/8	1/2	14	203	41	1258	590	1436
WCCU-0825	NTZ 271 - 4VM	12.8	96	6.9	6770	2	1.6	1 1/8	1/2	14	203	40	1258	590	1436

1) Maximum Continuous Current

\* Sound Pressure Level @10 M free field at (-10/+32 °C) MT & (-25/+32 °C) LT conditions. Alternative conditions may produce different result.

### MEDIUM TEMPERATURE PERFORMANCE DATA

Model	HP (R404A)	TE TA	Cooling Capacity (Watts)						
			-25	-20	-15	-10	-5	0	5
WCCU-0050	0.5	27	-	746	915	1115	1348	1613	1910
		32	-	572	737	936	1166	1430	1729
		38	-	420	584	779	1007	1267	1560
WCCU-0100	0.95	27	-	1136	1419	1740	2098	2495	2928
		32	-	1064	1305	1589	1916	2285	2698
		38	-	933	1145	1400	1697	2038	2421
WCCU-0150	1.5	27	1033	1438	1914	2459	3073	3758	4513
		32	900	1269	1708	2217	2796	3444	4163
		38	730	1061	1457	1917	2441	3030	3684
WCCU-0225	2.25	27	1851	2517	3258	4074	4967	5933	6976
		32	1603	2230	2933	3710	4563	5491	6495
		38	1390	1963	2602	3303	4071	4902	5799
WCCU-0300	3	27	2479	3264	4161	5172	6295	7531	8881
		32	2279	3026	3882	4844	5915	7092	8377
		38	2009	2737	3563	4484	5503	6618	7830
WCCU-0400	4	27	3491	4693	6095	7696	9495	11494	13691
		32	3118	4218	5518	7017	8714	10610	12705
		38	2668	3665	4840	6191	7721	9427	11311
WCCU-0500	5	27	4607	5973	7559	9365	11393	13640	16108
		32	4152	5421	6912	8623	10554	12705	15078
		38	3598	4801	6181	7739	9474	11386	13476
WCCU-0600	6	27	4949	6532	8325	10326	12539	14960	17591
		32	4495	5986	7676	9564	11652	13938	16424
		38	3908	5314	6877	8595	10469	12499	14686
WCCU-0675	6.75	27	5503	7263	9212	11348	13673	16185	18887
		32	4937	6626	8476	10488	12660	14994	17489
		38	4365	5962	7688	9544	11528	13642	15884
WCCU-0825	8.25	27	5961	8027	10320	12838	15582	18551	21747
		32	5356	7327	9488	11836	14373	17097	20010
		38	4675	6496	8485	10639	12961	15449	18104
WCCU-1000	10	27	8287	10547	13001	15648	18489	21523	24751
		32	7451	9697	12060	14543	17143	19862	22699
		38	6617	8678	10868	13174	15608	18164	-

### LOW TEMPERATURE PERFORMANCE DATA

Model	HP (R404A)	TE TA	Cooling Capacity (Watts)				
			-40	-35	-30	-25	-20
WCCU-0075	0.75	27	392	538	699	876	1070
		32	311	449	604	775	962
		38	225	354	499	660	837
WCCU-0175	1.75	27	793	1130	1499	1900	2333
		32	691	1018	1373	1753	2162
		38	529	860	1217	1602	2012
WCCU-0225	2.25	27	1347	1847	2389	2975	3602
		32	1224	1685	2197	2765	3385
		38	1093	1516	2008	2570	3202
WCCU-0350	3.5	27	1619	2302	3119	4070	5156
		32	1346	1983	2760	3677	4732
		38	1161	1723	2442	3316	4347
WCCU-0400	4	27	2531	3440	4477	5645	6940
		32	2174	3036	4039	5183	6465
		38	1880	2682	3651	4786	6088
WCCU-0725	7.25	27	3746	5071	6513	8074	9753
		32	3300	4563	5965	7508	9189
		38	2755	3995	5390	6941	8648
WCCU-0825	8.25	27	5174	6954	8878	10949	13163
		32	4597	6854	8078	10068	12225
		38	3991	5494	7196	9097	11196

TE : Evaporating Temperature (°C)

TA : Ambient Temperature (°C)

Rating Condition Based On EN13215

Refrigeration Correction Factor				
R404a	R507c	R22	R134a	R407c
1	1	0.95	0.91	0.86