

Wongso Water Cooled Chiller Semi-Hermetic



SPECIFICATIONS DATA

MODEL SERIES		07.1	10.1	12.1	15.1	20.1	25.1	30.1	35.1	40.1	50.1	60.1	70.2	80.2	100.2	120.2
PERFORMANCE UNIT																
COOLING CAPACITY (*)	TR	6.3	8.1	9.8	11.3	13.3	17.5	20.6	24.2	29.8	35.1	40.4	48.4	59.6	70.2	80.9
	kW	22.6	29.1	35.0	40.3	47.4	62.6	73.4	86.5	106.4	125.4	144.4	173.0	212.8	250.8	288.8
	(Btu/hr)	71,000	92,000	110,000	127,000	150,000	198,000	233,000	275,000	340,000	398,000	494,000	550,000	678,000	797,000	987,000
EER	(Btu/hr) / KW	13.3	14.1	13.9	14.0	14.1	13.7	13.8	13.7	13.4	13.3	12.0	27.3	26.8	26.7	24.1
Total Power	KW	5.8	7.0	8.6	9.8	11.5	15.6	18.2	21.6	27.1	32.1	40.9	21.6	27.1	32.1	40.9
PIC	KW/TR	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.4	0.9	0.9	1.0
COP	kW / KW	3.9	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.5	8.0	7.9	7.8	7.1
DIMENSION UNIT																
Length	mm	1580	1820	2020	2020	2120	2420	2420	3220	3220	3940	3220	3270	3720	4020	4840
Width	mm	860	860	860	860	960	1160	1160	1160	1160	1160	2300	2300	2300	2300	2300
Height	mm	1298	1312	1312	1373	1377	1387	1438	1438	1498	1498	1586	1588	1538	1538	1583

Note ; (*) Evaporating Temperature at 3°C Condensing Temperature at 40°C Refrigerant R-407C

WWCS SERIES

CAPACITIES & SPECIFICATIONS



MODEL SERIES		07.1	10.1	12.1	15.1	20.1	25.1	30.1	35.1	40.1	50.1	60.1	70.2	80.2	100.2	120.2
COMPRESSOR																
Power Consumption	kW	5.81	7.03	8.6	9.8	11.5	15.6	18.2	21.6	27.1	32.1	40.9	21.6	27.1	32.1	40.9
Oil Quantity	L	2.0	2.6	2.6	2.6	2.6	4.5	4.5	4.5	4.8	4.8	5	5.5 x 2	4.8 x 2	4.8 x 2	5 x 2
Maximum Current	A	16.5	19.90	25.1	28.2	33.2	44.0	51.2	62.1	73.90	96.2	113.0	62.1	73.9	96.2	113.0
Locked Rotor Current	A	82.4	59A Y / 99A YY	69A Y / 113A YY	81A Y / 132A YY	97A Y / 158A YY	125A Y / 211A YY	141A Y / 275A YY	141A Y / 233A YY	219A Y / 362A YY	226A Y / 404A YY	349A D / 531A DD	401A D / 590A DD	219A Y / 362A YY	226A Y / 404A YY	349A D / 531A DD
V / Ph / Hz		380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50	380-420/3/50
Quantity		1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
Weight	kgs	91	139	141	142	150	203	206	207	238	241	350	414	476	482	700
Length	mm	450	640	640	660	660	740	740	740	800	790	890	740	800	790	890
Width	mm	310	310	310	310	310	460	460	460	510	510	490	460	510	510	490
Height	mm	360	390	390	390	390	450	450	450	440	440	540	450	440	440	540
CONDENSER		SHELL AND TUBE														
Passes no.		2	2	2	2	2	2	2	2	2	2	2	2 x 2	2 x 2	2 x 2	2 x 2
Outlet Temperature	°C	34.9	34.9	32.9	31.2	33.4	33.6	31.6	32.5	34.5	32.4	34.2	32.5	34.5	32.4	34.2
Volume Flow	m³/h	3.54	4.54	7.72	7.72	12.25	12.08	21.7	20.8	17.85	30.9	27.6	20.8	17.85	30.9	27.6
Refrigerant In/Out	inch	1 1/8 - 7/8	1 3/8 - 1 1/8	1 3/8 - 1 1/8	1 3/8 - 1 1/8	1 3/8 - 1 1/8	1 5/8 - 1 3/8	1 5/8 - 1 3/8	1 5/8 - 1 3/8	2 1/8 - 1 5/8	2 1/8 - 1 5/8	2 1/8 - 2 1/8	2 1/8 - 1 5/8	2 1/8 - 1 5/8	2 1/8 - 1 5/8	2 1/8 - 2 1/8
Water In/Out	inch	2 x 3/4 - 1	2	2	2	2	2	2	2	NW 65	NW 65	NW 65	2	NW 65	NW 65	NW 65
Quantity		1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
Weight	kgs	35	61	61	61	65	87	87	287	191	191	221	574	382	382	442
Length	mm	1113	1176	1176	1176	1176	1635	1635	1635	1660	1660	1661	1635	1660	1660	1661
Width	mm	200	250	250	250	250	245	245	360	360	360	420	360	360	360	420
Height	mm	250	310	310	310	310	310	310	380	543	543	565	760	1086	1086	1130
EVAPORATOR		SHELL AND TUBE														
Water Flow Rate	m³/h	6.00	6.00	6.00	8.00	8.00	11.4	13.80	16.40	20.60	23.20	28.30	28.30	34.20	41.10	51.40
Water Pressure Drop	kPa	0.3	0.3	0.3	0.4	0.4	0.4	0.42	0.46	0.3	0.5	0.5	0.5	0.4	0.5	0.5
Water Connection	Inch	1 1/2	2	2	2	2	2 1/2	2 1/2	2 1/2	3	3	3	3	4	4	5
Quantity		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Weight	kgs	37	42	42	45	45	72	77	81	107	118	125	125	157	175	270
Length	mm	1040	1300	1300	1410	1410	1440	1630	1780	1820	2115	2320	2320	2320	1620	2654
Width	mm	200	200	200	200	200	250	250	250	270	270	270	270	310	310	370
Height	mm	330	330	330	330	330	358	358	358	385	385	385	385	450	450	525