

COAIRE

OWT

AIR-COOLED WATER CHILLERS WITH ROTARY AND



OWT SERIES		007	010	015	018	020	025	030	038	040	045	075	090	110	130
Cooling capacity ⁽¹⁾	[kW]	7	10.31	14.54	18.9	21.31	23.3	28.11	37.8	42.7	45.1	75.61	89.79	113.41	128.11
Compressors power input ⁽¹⁾	[kW]	1.45	2.26	3.54	4.11	4.69	5.22	6.92	7.92	9.16	10	15.47	17.71	24.19	27.81
Total power input ⁽¹⁾⁽²⁾	[kW]	2.51	3.32	4.6	5.71	6.29	6.82	8.52	10.82	12.06	12.9	21.27	23.51	30.69	35.31
Total absorbed current ⁽¹⁾⁽²⁾	[A]	5.08	6.48	8.7	11.3	12.75	13.06	16.07	20.3	23.29	23.96	37.26	42.72	54.22	64.88
EER (pump excluded) ⁽¹⁾	---	3.76	3.86	3.68	3.93	3.96	3.94	9.69	4.06	4.04	3.96	3.96	4.21	4.1	4.09
Water flow ⁽¹⁾	[l/ h]	1204	1773	2501	3251	3665	4008	4834	6502	7345	7758	13004	15444	19506	22035
Available pressure ⁽¹⁾	[kPa]	252	246	315	323	324	311	302	327	331	335	227	227	263	307
Maximum power input (total) ⁽²⁾⁽³⁾	[kW]	3.3	4.4	5.9	7.7	8.5	9.4	11.4	15.1	16.8	17.5	30.3	33.5	43.2	49.1
Maximum absorbed current (total) ⁽²⁾⁽³⁾	[A]	6.7	8.1	10.9	14.7	16.3	17.3	20.8	27.7	30.8	31.5	52.5	58.7	75.8	86.9
Starting current ⁽²⁾⁽³⁾	[A]	35.6	47.6	55.6	74.3	94.3	49.8	65.5	87.2	108.8	76.3	112	136.7	135.3	164.9
Fan power	[kW]	0.41	0.41	0.41	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.8	1.8	1.75	1.75

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Fan current	[A]	1.8	1.8	1.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3	3	3.3	3.3	
Number of fans	[#]	1	1	1	1	1	1	1	2	2	2	2	2	2	2	
P3 Pump power input	[kW]	0.65	0.65	0.65	0.9	0.9	0.9	0.9	1.5	1.5	1.5	2.2	2.2	3	4	
P3 Pump absorbed current	[A]	1.6	1.6	1.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	4.6	4.6	6.3	8.1	
Power supply	[V/Ph/Hz]	400/3/50														
IP protection degree	---	IP44														
Refrigerant	---	R410A														
Compressor type	---	Rotary							Screw							
Evaporator type	---	Brazen plates														
Condenser type	---	Microchannel														
N° of compressors	[#]	1	1	1	1	1	2	2	2	2	3	4	4	6	6	
N° of refrigerant circuits	[#]	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
Air flow	[m3/h]	4,346	4,346	4,531	8,179	8,179	8,049	8,049	15,399	15,399	15,399	32,931	32,931	44,185	44,185	
Sound pressure level ⁽⁴⁾	[dbA]	43	43	43	50	50	50	50	53	53	53	58.5	58.5	52	52	
Water connections diameter	[inch]	1"	1"	1"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	
Width	[mm]	662	662	662	662	662	662	662	752	752	832	1,110	1,110	1,210	1,210	
Depth	[mm]	991	991	991	1305	1305	1305	1305	1635	1635	1850	2025	2025	2230	2230	
Height	[mm]	1335	1335	1335	1425	1425	1425	1,425	1,535	1,535	1,700	1,900	1,900	2,255	2,255	
Weight	[kg]	210	215	260	265	275	315	325	400	410	500	720	720	980	1000	
Tank capacity - Option	[dm3]	95	95	95	95	95	95	95	135	135	135	205	205	205	205	
Expansion vessel capacity	[kW]	5	5	5	5	5	5	5	8	8	8	12	12	12	12	
P5 Input pump power - Option	[A]	0.75	0.75	0.75	1.3	1.3	1.3	1.3	2.2	2.2	2.2	4	4	4	4	
P5 Absorbed pump current - Option	[kW]	2.5	2.5	2.5	3.5	3.5	3.5	4.6	4.6	4.6	4.6	8.1	8.1	8.1	8.1	
Available pressure ^{(1) (2)}	[A]	452	445	415	521	518	502	483	530	527	532	432	424	426	372	
CODE		2101551	2101552	2101553	2101554	2101555	2101556	2101557	2101558	2101559	2101560	2101562	2101563	2101564	2101565	

OPTIONAL EQUIPMENT

Single P5 Pump

Double P3 Pump

Double P5 Pump

Open circuit kit (Additional Water Tank)*

No tank version with single P3 pump

No tank version with double P3 pump

No pump version with pressurized water tank

No pump version with open circuit kit (additional water tank)

No ferrous pressurized water circuit (stainless steel water tank)

Water level switch

Automatic water filling kit

Rubber anti-vibration mountings for units with tank

Due to constan engineering improvements data is subject to change

Automatic water bypass valve

Basamento in legno per imballaggio in container

Wind baffle

Remote panel

Wheels (supplied separatly)

Feet (supplied separatly)

Rubber anti-vibration mountings for no tank units