

COAIRE

OBE

AIR-COOLED WATER CHILLERS WITH
AXIAL FANS



OBE SERIES		OBE 002	OBE 003	OBE 004	OBE 005	OBE 006	OBE 007	OBE 008	OBE 009	OBE 012	OBE 014
Cooling capacity ⁽¹⁾	[kW]	2,55	2,74	3,51	4,28	5,21	6,21	8,16	10,11	12,73	16,22
Compressors power input ⁽¹⁾	[kW]	0,48	0,49	0,71	0,86	1,22	1,76	1,49	2,09	2,81	2,54
Total power input ^{(1) (2)}	[kW]	0,79 ⁽⁵⁾	0,99	1,21	1,36	1,72 ⁽²⁾	2,26 ⁽²⁾	2,80 ⁽⁵⁾	3,40 ⁽⁵⁾	4,12	4,32
Total absorbed current ^{(1) (2)}	[A]	4,44 ⁽⁵⁾	5,38	6,45	7,22	9,01 ⁽²⁾	11,31 ⁽²⁾	5,97 ⁽⁵⁾	6,88 ⁽⁵⁾	8,19	8,14
EER (pump excluded) ⁽¹⁾	---	4,16	4,43	4,19	4,32	3,85	3,29	4,53	4,21	4,09	4,89
Water flow ⁽¹⁾	[l/ h]	438	471	604	736	897	1068	1404	1739	2190	2790
Available pressure ⁽¹⁾	[kPa]	146	287	261	248	215	181	235	210	222	188
Maximum power input (total) ^{(2) (3)}	[kW]	1,3 ⁽⁵⁾	1,5	1,8	2	2,5 ⁽²⁾	3,0 ⁽²⁾	3,8 ⁽⁵⁾	4,9 ⁽⁵⁾	5,8	6,8
Maximum absorbed current (total) ^{(2) (3)}	[A]	6,6 ⁽⁵⁾	7,5	9,1	10,4	12,6 ⁽²⁾	14,4 ⁽²⁾	7,7 ⁽⁵⁾	9,5 ⁽⁵⁾	10,8	12,1
Starting current ^{(2) (3)}	[A]	21,3 ⁽⁵⁾	22,1	26,1	34,2	39,2 ⁽²⁾	55,2 ⁽²⁾	34,2 ⁽⁵⁾	42,2 ⁽⁵⁾	44,2	62,7
Fan power	[kW]	0,13	0,13	0,13	0,13	0,13	0,13	0,31	0,31	0,31	0,78

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Fan current	[A]	0,65	0,65	0,65	0,65	0,65	0,65	1,2	1,2	1,2	1,7
Number of fans	[#]	1	1	1	1	1	1	1	1	1	1
P3 Pump power input	[kW]	0,18 ⁽⁵⁾	0,37	0,37	0,37	0,37 ⁽²⁾	0,37 ⁽²⁾	1,00 ⁽⁵⁾	1,00 ⁽⁵⁾	1	1
P3 Pump absorbed current	[A]	1,60 ⁽⁵⁾	2,5	2,5	2,5	2,50 ⁽²⁾	2,50 ⁽²⁾	2,00 ⁽⁵⁾	2,00 ⁽⁵⁾	2	2
Power supply	[V/Ph/Hz]	230/1/50						400/3/50			
IP protection degree	---	IP40	IP40	IP40	IP40	IP40	IP40	IP44	IP44	IP44	IP44
Refrigerant	---	R407C									
Compressor type	---	Rotary									Screw
Evaporator type	---	Coaxial						Brazen plates			
Condenser type	---	Microchannel									
N° of compressors	[#]	1	1	1	1	1	1	1	1	1	1
N° of refrigerant circuits	[#]	1	1	1	1	1	1	1	1	1	1
Air flow	[m3/h]	2,200	2,200	2,200	2,200	2,200	2,200	4,800	4,800	5,000	5,500
Sound pressure level (4)	[dbA]	46	46	46	46	46	46	49	49	49	49
Water connections diameter	[inch]	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1"	1"	1"
Width	[mm]	718	718	718	718	718	718	1,004	1,004	1,004	1,004
Depth	[mm]	678	678	678	678	678	678	753	753	753	753
Height	[mm]	668	668	668	668	668	668	1,257	1,257	1,257	1,257
Weight	[kg]	82	85	88	92	95	100	235	240	245	255
Tank capacity - Option	[dm3]	25	25	25	25	25	25	90	90	90	90
P3 Input pump power- Option	[kW]							1,60	1,60	1,60	1,60
P3 Absorbed pump current - Option	[A]							1,90	1,90	1,90	1,90
P5 Input pump power - Option	[kW]		0,55	0,55	0,55	0,55	0,55	0,75	0,75	0,75	0,75
P5 Absorbed pump current - Option	[A]		6,2	6,2	6,2	6,2	6,2	2,5	2,5	2,5	2,5
CODE		2101540	2101541	2101542	2101543	2101544	2101545	2101546	2101547	2101548	2101549

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)

Automatic water bypass valve
Basamento in legno per imballaggio in container
Wind baffle
Remote panel
Wheels (supplied separately)
Feet (supplied separately)
Rubber anti-vibration mountings for no tank units
Rubber anti-vibration mountings for units with tank
Water level switch
Automatic water filling kit

Due to constan engineering improvements data is subject to change

