

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

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							Brazed 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		Automatic water bypass valve											
Double P3 Pump		Basamento in legno per imballaggio in container											
Double P5 Pump		Wind baffle											
Open circuit kit (Additional Water Tank)*		Remote panel											
No tank version with single P3 pump		Wheels (supplied separately)											
No tank version with double P3 pump		Feet (supplied separately)											
No pump version with pressurized water tank		Rubber anti-vibration mountings for no tank units											
No pump version with open circuit kit (additional water tank)		Rubber anti-vibration mountings for units with tank											
No ferrous pressurized water circuit (stainless steel water tank)		Water level switch											
Automatic water filling kit													

Due to constant engineering improvements data is subject to change