

Bx30 1W ↔ E096 1W

Special chilled water units



Configuration

U - Downflow

Operation

SP - Special

Solution

T - Technological

Cooling Capacity 11,2 - 89 kW

Housing	Base and panelling made of galvanised steel painted with epoxy powder. The aesthetic panelling is internally lined to reduce the noise level. The structure is completely watertight.
Air heat exchanger	Air heat exchanger made of copper tubes arranged in staggered rows. The fins are made of aluminum with a special hydrophilic treatment for better drainage of the condensate and therefore better heat exchange.
Fan	Fan units are new-generation; plug fan type with "EC" motor with electronic commutation in order to maximize energy savings and adjust the amount of air necessary.
Cooling circuit	3-way valve for the control of the chilled water flow and the air temperature.
Filter	Folded type, mounted on a frame, with protection grille. Filtering cells in polyester fibers. G4 efficiency according to CEN-EN 779 norm; with 90,1% ASHRAE separation degree. The filter is of selfextinguish type.
Electrical board	It is designed and wired according to IEC 204-1/EN60204-1 regulations, complete with contactor and protection for compressors and fans, main isolator.
Control panel	The microprocessor controls the unit capacity by timing the compressors and checks the operating alarms.
Special Unit	These units are suitable for operating in a nitrogen atmosphere to prevent the formation or propagation of fire. Advanced electronic control is standard.

ACCESSORIES

- Dirty filters alarm
- Water on the bottom alarm
- Low air flow alarm
- Electric heating coil
- Modulating humidifier (water conductivity 350...750 µS/cm)
- Air suction plenum
- Remote control panel
- Clock board
- LonWorks® interface electronic board
- ModBus® interface electronic board

OXYRED

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OXYRED		Bx30 1W	C058 1W	E096 1W
Total cooling capacity(1)	kW	11,2	29	89
Sensible cooling capacity(1)	kW	11,2	29	89
R Factor	-	1	1	1
Power supply	-	400V/3+N/50Hz +T		
Air flow	m3/h	4000	9000	26000
External static pressure	Pa	30 - 200	30 - 200	30 - 200
Fans quantity	n°	1	2	3
Fans power input	kW	0,8	1,64	8,4
Fans total current	A	1,5	3,0	13,4
Front sound pressure (2)	dB(A)	47	53	66
Cooling coil pressure drop	kPa	38	51	86
Water connections diameter	"	3/4"	1"	2"

ELECTRIC COIL				
Stages of operation	n°	2	2	2
Power	kW	6,0	9,0	18,0
Absorbed current	A	8,7	13,0	26,0

HUMIDIFIER				
Capacity	kg/h	5 - 8	5 - 8	10 - 15
Power	kW	6,2	6,2	11,3
Absorbed current	A	8,7	8,7	16,2

DIMENSIONS AND WEIGHT				
Lenght	mm	880	1320	2200
Depth	mm	840	840	840
Height	mm	1950	1950	1950
Operating weight	Kg	280	360	700

Note:

(1) Air inlet 23,0°C / 45% U.r. - IN-OUT chilled water temperature = 10°C / 16°C

(2) Data measured at 1m in open field conditions

THE DECLARED COOLING CAPACITY ARE NOT TAKING INTO ACCOUNT THE FAN MOTOR POWER INPUT.