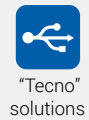


XWK - T/EC



C058 1W ↔ F0116 1W

Chilled water units



Configuration

U - Downflow

Operation

SF - Cooling only

Solution

T - Technological

Cooling Capacity 58 - 116 kW

Double Power capacity 35 - 69 kW

Housing	Base and panelling made of galvanised steel painted with epoxy powder; frame complete with service panels designed to grant proper operation during maintenance. The aesthetic panelling is internally lined to reduce the noise level.
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 ("V" configuration).
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. Fan is installed in a special frame positioned under the floor.
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. Advanced electronic control is standard.

ACCESSORIES

- Water heating coil
- Electric heating coil
- Contacts for smoke/fire alarm
- F5 efficiency air folded filter
- Special filter plenum for air outlet (from F6 to F9)
- Air supply plenum with two directions adjustable grilles
- Max and min voltage relay
- Clock board
- LonWorks® interface electronic board
- ModBus® interface electronic board
- Water on the bottom alarm
- Dirty filters alarm
- Low air flow alarm
- Non return air damper
- Vibration isolation frame with bearings (H 600mm.) (standard)
- Remote control panel
- Modulating humidifier (water conductivity 350...750 µS/cm)
- Sound absorber plenum

XWK - T/EC

C058 1W ↔ F0116 1W

Chilled water units

XWK Tecno EC		C058 1W 1W	D071 1W	E086 1W	E096 1W	F0116 1W
Total cooling capacity(1)	kW	58	72	86	96	116
Sensible cooling capacity(1)	kW	58	72	86	96	116
R Factor	-	1	1	1	1	1
Double Power - Tot. cap./Sens. cap.(3)	kW	35 / 31	48 / 41	53 / 46	58 / 49	69 / 60
Power supply	-	400V/3+N/50Hz +T				
Air flow	m3/h	15600	22000	24000	26500	31000
External static pressure	Pa	20	20	20	20	20
Fans quantity	n°	1	2	2	2	2
Fans power input	kW	6,1	5,6	6,0	6,0	12,2
Fans total current	A	9,9	8,6	9,2	9,2	19,8
Front sound pressure (2)	dB(A)	64	64	66	67	66
Cooling coil pressure drop	kPa	55	62	78	81	95
Water connections diameter	"	1" 1/4	1" 1/2	2"	2"	2"

ELECTRIC COIL						
Stages of operation	n°	2	2	2	2	2
Power	kW	9,0	12,0	18,0	18,0	18,0
Absorbed current	A	13,0	17,4	26,0	26,0	26,0

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

DIMENSIONS AND WEIGHT						
Lenght	mm	1320	1760	2200	2200	2640
Depth	mm	840	840	840	840	840
Height	mm	1950	1950	1950	1950	1950
Operating weight	Kg	350	440	570	570	750

DIMENSIONS AND WEIGHT - Fan frame						
Lenght	mm	1320	1760	2200	2200	2640
Depth	mm	840	840	840	840	840
Height	mm	600	600	600	600	600
Operating weight	Kg	100	140	200	200	260

Note:

- (1) Air inlet 24,0°C / 50% U.r. - IN-OUT chilled water temperature = 10°C / 15°C
 - (2) Data measured at 1m in open field conditions
 - (3) Air inlet 24°C / 50% U.r. - Water and Ethylenic Glycol 30% 13/7°C
- THE DECLARED COOLING CAPACITY ARE NOT TAKING INTO ACCOUNT THE FAN MOTOR POWER INPUT.