

ORTHOGONAL THERMOCONVECTORS



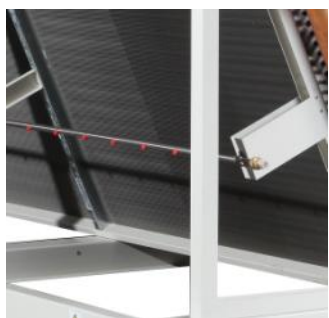
TS-V



PROFILE

The TS-V series ORTHOGONAL THERMOCONVECTORS are conceived and realized with an innovative system of double heat, able to completely satisfy the industrial cooling operators exigencies. The powers of the new TS-V series vary from 100 kW to 800 kW in nominal conditions. The extraordinary potentiality of these DRY-COOLERS spring from the optimal combination between the new high efficiency fins and copper piping and new conception fans, conceived to develop high air flow with reduced absorption and reduced noise.

The TS-V series is characterized by a modular design with oven painted galvanized steel fairing and can mount up to 12 fans with different efficiency levels and noise levels, in single or double bank.



ADIABATIC COOLING

It is also available the innovative AWS device (Adiabatic Water System), an automatical system of adiabatic cooling which permits to the exchanger to grant the performance indicated on the list of the machinery, also when the environmental temperature is higher then the project temperature.

PERSONALISATION

It's available, on demand, a great personalisation choice, including: cutting stage, step, with inverter speed regulators; standard switchboards or special on demand switchboards; special materials for any type of application and environmental settings.



ORTHOGONAL THERMOCONVECTORS

TECHNICAL DATA

Model (1)	Cooling capacity (2)	Fluid flow rate	Air flow rate	Fans (3)			Efficiency	Internal volume	Surface	Sound level (4)	Pipe connections	Dimensions			Net weight
				n°	kW tot.	rpm						L mm	P mm	H mm	
TS-V 100	103,2	18,7	50.000	3	2,5	740	41,4	82,0	490	61	2"	3.120	1.100	1.590	565
TS-V 150	147,7	28,2	73.500	4	4,3	810	34,2	110,0	654	65	2"	4.090	1.100	1.590	745
TS-V 200	203,3	37,6	86.550	5	5,4	810	37,6	180,0	1.090	66	2 1/2"	5.060	1.100	1.590	1.050
TS-V 250	244,2	46,9	110.250	6	6,5	810	37,7	190,0	1.250	67	2 1/2"	6.030	1.100	1.590	1.345
TS-V 300	292,6	56,4	155.550	6	8,1	810	36,4	194,0	1.163	73	3"	4.320	2.450	2.410	1.600
TS-V 350	337,2	65,7	152.200	6	8,9	820	37,9	258,0	1.550	74	3"	4.320	2.450	2.410	1.700
TS-V 400	425,4	75,1	207.700	8	10,8	810	39,7	306,0	1.997	75	doppio 2 1/2"	5.730	2.450	2.410	2.150
TS-V 450	469,7	84,5	273.850	10	13,4	810	35,1	286,0	1.872	75	doppio 2 1/2"	7.140	2.450	2.410	2.500
TS-V 500	531,7	93,9	259.600	10	13,4	810	39,7	380,0	2.496	75	doppio 2 1/2"	7.140	2.450	2.410	2.700
TS-V 600	580,3	112,6	328.600	12	16,1	810	36,1	342,0	2.246	76	doppio 3"	8.550	2.450	2.410	2.850
TS-V 700	678,9	131,4	325.750	12	17,8	820	38,2	456,0	2.995	76	doppio 3"	8.550	2.450	2.410	3.100
TS-V 800	789,5	150,2	341.550	12	20,5	885	38,5	456,0	2.995	78	doppio 4"	8.550	2.450	2.410	3.100

(1) - Standard electric alimentation 400V-3Ph-50Hz - Special on request

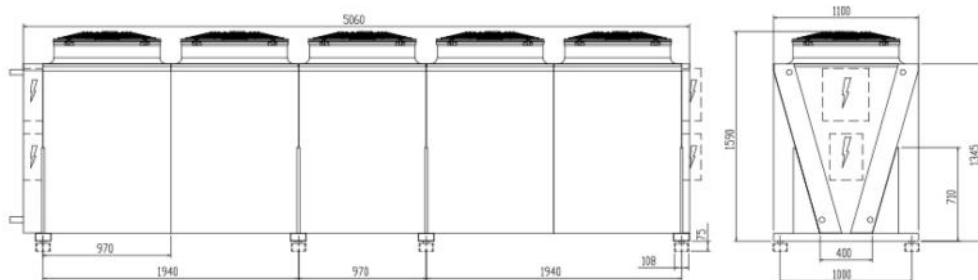
(2) - With 5°C between ambient temperature and outlet water temperature

(3) - With variable speed control

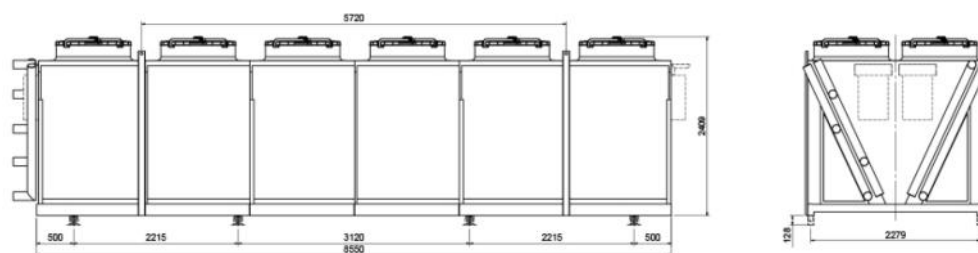
(4) - Sound pressure level at 10 metres

CAUTION - Should temperature drop below 0 °C it will be necessary to introduce antifreeze mixture. - Guarantee won't be applied in the event of damages deriving from the freezing of the fluid into the system.

EXAMPLES



TS-V 200



TS-V 600



NOVA FRIGO Engineering S.r.l.

Via Montebello, 5/D
25017 - LONATO (BS) - ITALIA

Tel: (+39) 030 99 13 250

Fax: (+39) 030 99 19 043

e-mail: info@novafrigo.it

www.novafrigo.it