

Execution Thermal  
 execution Weight  
 [Kg]

Indoor Unit  
 T4 - TB2  
 2.365

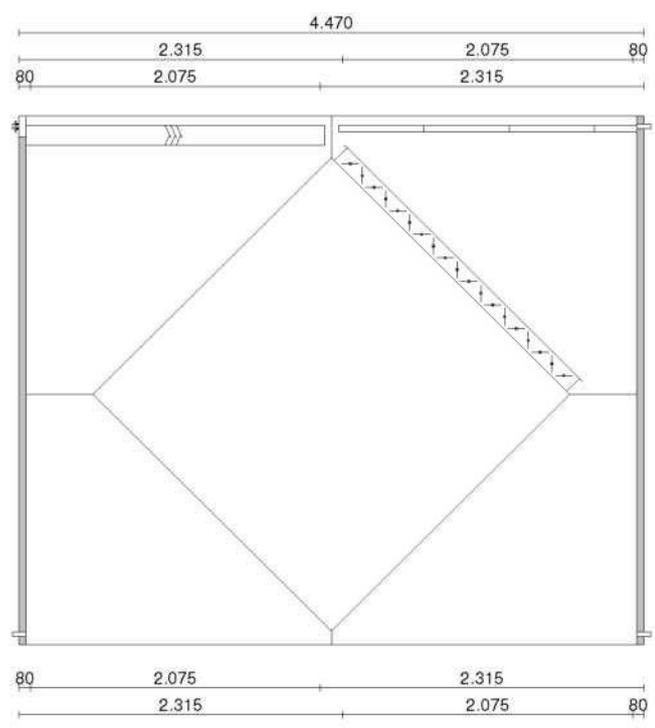
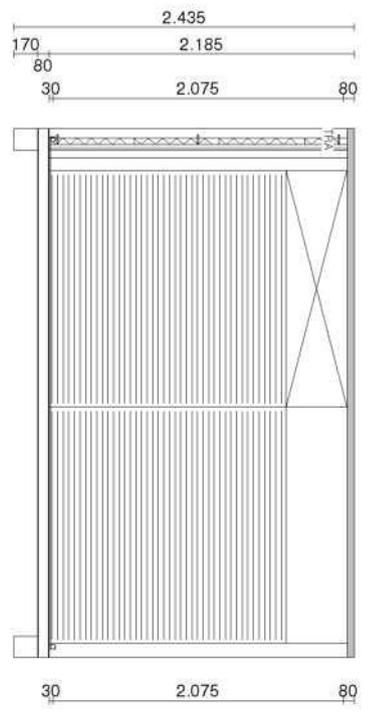
**TECHNICAL DATAS**

<b>Supply air</b>		Size:24/18	Weight:2.365,00 [K Surface:49,60 [m2]	Energy efficiency class	
design	PTDF		Dimension: [mm] L: 3.813	W: 2.540	H: 2.080
Air volume [m3/h]	39.953		Panel inside 50,0 [mm]	galvanized steel	1,00 mm
external pressure drop [Pa]			Panel inside bottom	galvanized steel	
total pressure drop [Pa]			Guides	galvanized steel	
specific fan power [w/m3/s]			Panel outside	Blue B5VE	0,70 mm
<b>Exhaust air</b>		Size:21/18	Weight:[Kg]	Surface[m2]	Energy efficiency class
design	PTDF		Dimension: [mm] L: 3.813	W: 2.235	H: 1.880
Air volume [m3/h]	37.687		Panel inside 50,0 [mm]	galvanized steel	1,00 mm
external pressure drop [Pa]			Panel inside bottom	galvanized steel	
total pressure drop [Pa]			Guides	galvanized steel	
specific fan power [w/m3/s]			Panel outside	Blue B5VE	0,70 mm
<b>Supply air</b>					

PTDF Plate exchanger - diagonal + filter		3.812,5 [mm]	49,6 [m <sup>2</sup> ]	2.365,00 [kg]	372 [Pa]
Type FI AL 24 N 1825 M 1 AE SM AGBP370		max. allowed pressure difference			1700 Pa
With bypass 370,0 [mm]		Density [kg/m <sup>3</sup> ]			1,20
Heating condition		Cooling condition			
Exhaust [m <sup>3</sup> /h]	37.687	Pressure drop [Pa]	197	Exhaust [m <sup>3</sup> /h]	37.687
Entering [°C]	20,00	Humidity [%]	50,0	Entering [°C]	26,00
Leaving [°C]	-0,10	Humidity [%]	99,0	Leaving [°C]	31,30
Supply [m <sup>3</sup> /h]	39.953	Pressure drop [Pa]	205	Supply [m <sup>3</sup> /h]	39.953
Entering [°C]	-18,00	Humidity [%]	90,0	Entering [°C]	34,00
Leaving [°C]	9,50	Humidity [%]	11,0	Leaving [°C]	29,00
Temperature efficiency (EN 308) [%] 72,4		Temperature efficiency (EN 308) [%]		62,5	
Effectiveness (ASHRAE 84-1991) [%] 76,7		Effectiveness (ASHRAE 84-1991) [%]		66,3	
condense water qty. [l/h] 160,53		condense water qty. [l/h]			
Freezing temperature [°C] -9,20		Recovery capacity [kW]			
Recovery capacity [kW] 367,91		67,03			
ATTENTION: CALCULATED DATA REFRRING TO ENTERING TEMPERATURE					
Attention: Please respect the maximal allowed pressure difference as above. Electrical pressure control necessary. Respect: INFORMATION OF THE CLIENT PT 01					
( 150 ) 2 Pcs U trap					
Manufacture	General Filter	Filter surface [m <sup>2</sup> ]	7,20		
Type	CFW40-048 tmax.=70°C G4	Cells pcs x size [mm]	12 x 592,0 x	592,0	
Class		Guide galvanized ( side removable )			
Initial dP [Pa]	115				
final dP [Pa]	150				
Airflow [m <sup>3</sup> /h]	39.953				
Filter thickness [mm]	48,0				
Removable panel	TRA access side: right	Dimensions [mm] 152,5 x 1.830,0			
Opening: 7	Full opening	Dimensions [mm] 2.380,0 x 1.770,0			
Opening: 7	Full opening	Dimensions [mm] 2.075,0 x 1.770,0			
Opening: 7	Full opening	Dimensions [mm] 2.075,0 x 1.770,0			
Opening: 7	Full opening	Dimensions [mm] 2.380,0 x 1.770,0			
Drain pan	Galva - H: 40,0 mm - flat	Size	3.732,5 x 4.675,0 01"		
Bypass-dampers	Frame Galva drive type actuator	Blades	AL		
		External			
Drip eliminator	Model TA144 Quality frame Galva	Quality fins PPTV	29 [Pa]		

### Exhaust air

PTDF Plate exchanger - diagonal + filter		3.812,5 [mm]	49,6 [m <sup>2</sup> ]	2.365,00 [kg]	242 [Pa]
( 318 )	1 Pcs	Shrink wrap on wooden pallette			
(1000)	1 set	Unit feets Std 170,0 mm fixed height			
( 407 )	1 set	Base frame ZHK 200 galvanized steel			

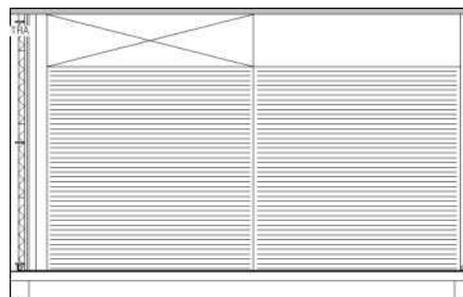


3.812.5  
 3.812.5  
 L1-2314kg

Unit feet supplied loose

Supply air		Exhaust air	
Airflow	m <sup>3</sup> /h	Airflow	m <sup>3</sup> /h
	40.116		36.282
a			
b			
c			
d			
e			
f			
g			
No.	modif.	Date	Name
Client:			
Project:			
Fakultet tehnickih nauka Novi Sad			
access side:			
see drawing			
connection side:			
see drawing			
Delivery sections:			
1			
Total weight ca.:			
2.314 kg			





Execution Thermal  
 execution Weight  
 [Kg]

Indoor Unit  
 T4 - TB2  
 2.314

**TECHNICAL DATAS**

<b>Supply air</b>	Size:21/21	Weight:2.314,00 [K	Surface:49,60 [m2]	Energy efficiency class	
design		PTDF	Dimension: [mm] L: 3.813	W: 2.235	H: 2.265
Air volume [m3/h]		40.116	Panel inside 50,0 [mm]	galvanized steel	1,00 mm
external pressure drop [Pa]			Panel inside bottom	galvanized steel	
total pressure drop [Pa]			Guides	galvanized steel	
specific fan power [w/m3/s]			Panel outside	Blue B5VE	0,70 mm
<b>Exhaust air</b>	Size:21/21	Weight:[Kg]	Surface[m2]	Energy efficiency class	
design		PTDF	Dimension: [mm] L: 3.813	W: 2.235	H: 2.185
Air volume [m3/h]		36.282	Panel inside 50,0 [mm]	galvanized steel	1,00 mm
external pressure drop [Pa]			Panel inside bottom	galvanized steel	
total pressure drop [Pa]			Guides	galvanized steel	
specific fan power [w/m3/s]			Panel outside	Blue B5VE	0,70 mm
<b>Supply air</b>					

PTDF Plate exchanger - diagonal + filter 3.812,5 [mm] 49,6 [m2] 2.314,00 [kg] 311 [Pa]

Type FI AL 24 N 2130 M 1 AE SM AGBP435				max. allowed pressure difference 1700 Pa			
With bypass		435,0 [mm]		Density [kg/m3] 1,20			
Heating condition				Cooling condition			
Exhaust [m3/h]	36.282	Pressure drop [Pa]	137	Exhaust [m3/h]	36.282	Pressure drop [Pa]	148
Entering [°C]	20,00	Humidity [%]	50,0	Entering [°C]	26,00	Humidity [%]	50,0
Leaving [°C]	-0,90	Humidity [%]	99,0	Leaving [°C]	31,50	Humidity [%]	36,0
Supply [m3/h]	40.116	Pressure drop [Pa]	154	Supply [m3/h]	40.116	Pressure drop [Pa]	179
Entering [°C]	-18,00	Humidity [%]	90,0	Entering [°C]	34,00	Humidity [%]	40,0
Leaving [°C]	9,60	Humidity [%]	10,0	Leaving [°C]	29,00	Humidity [%]	53,0
Temperature efficiency (EN 308) [%]		72,6		Temperature efficiency (EN 308) [%]		62,5	
Effectiveness (ASHRAE 84-1991) [%]		80,3		Effectiveness (ASHRAE 84-1991) [%]		69,1	
condense water qty. [l/h]		164,35		condense water qty. [l/h]			
Freezing temperature [°C]		-8,10		Recovery capacity [kW]		67,04	
Recovery capacity [kW]		370,82					

ATTENTION: CALCULATED DATA REFRRING TO ENTERING TEMPERATURE Attention:

Please respect the maximal allowed pressure difference as above. Electrical pressure control necessary. Respect: INFORMATION OF THE CLIENT PT 01

( 150 ) 2 Pcs U trap

Manufacture	General Filter	Filter surface [m2]	7,28	
Type	CFW40-048	tmax.=70°C		
Class	G4	Cells pcs x size [mm]	5 x	592,0 x 287,0
Initial dP [Pa]	114		9 x	592,0 x 592,0
final dP [Pa]	150		1 x	879,0 x 287,0
Airflow [m3/h]	40.116	Guide galvanized ( side removable )		
Filter thickness [mm]	48,0	Dimensions [mm]	152,5 x 2.135,0	
Removable panel	TRA	access side: right		
Opening:	7 Full opening 7	Dimensions [mm]	2.075.0 x 2.075,0	
Opening:	Full opening	Dimensions [mm]	2.075.0 x 2.075,0	
Opening:	7 Full opening	Dimensions [mm]	2.075,0 x 2.075,0	
Opening:	7 Full opening	Dimensions	2.075,0 x 2.075,0	
Drain pan	Galva - H: 40,0 mm - flat	[mm] Size	3.732,5 x 4.370,0 01'	
<u>Bypass-dampers</u>	Frame drive	Galva actuator	Blades External	AL
Drip eliminator	Model TA144	Quality frame Galva	Quality fins PPTV 22 [Pa]	

### Exhaust air

PTDF Plate exchanger - diagonal + filter	3.812,5 [mm]	49,6 [m2]	2.314,00 [kg]	170 [Pa]
( 318 )	1 Pcs	Shrink wrap on wooden pallette		
(1000)	1 set	Unit feets Std 170,0 mm fixed height		
( 407 )	1 set	Base frame ZHK GR-LP80 galvanized steel		