

Air handling units

Order No.: 00622043/13(modification no.1 from 31.01.00)

Customer	Elco Wolf NL	Responsible in yr.	Dhr. R. Teijgelaar
		com	
Project / commission	Stadsgevangenis Koddeweg	Pos	LBK 222.01
	te Hoogvliet		
Responsible in our	Monika Ziegler	Order volume	1
com			
Your job number	891804/13		
Unit typee	Supply air Horizontal		
Unit size supply air	KG 63 Gigant	Air volume supply air	3380 m ³ /h
Casing design	Gigant-casing		

Supply air:

(1) Empty section 380

Damper S internal

Flexible connection S

(2) Bag filter section

Initial resistance	92 Pa	Selection resistance	142 Pa
Access door bag filter section		Filter bag F7	
Lamp 24 Volt (dry room),Mounted and wired			

(3) KVS - heating coil section

Heat exchanger typee	II Cu/Al	Medium on temp.	6,4 °C
Connection (inlet/outlet)	1 1/2	Medium off temp.	3,6 °C
Air-on temperature	-10,0 °C	Medium flow rate	5,00 m ³ /h
Air-off temperature	1,5 °C	Antifreeze percentile	30 %
Capacity (total)	14,4 kW	Pressure drop medium	11,6 kPa
Air pressure drop	69 Pa	Heat recovery figure	0,4
Coating,Coating		Flange/counterflange,DN 40	

(4) Heating section

Heat exchanger typee	1 Cu/Al LT	Medium on temp.	90,0 °C
Connection (inlet/outlet)	1 0/0	Medium off temp.	70,0 °C
Air-on temperature	1,5 °C	Medium flow rate	0,98 m ³ /h
Air-off temperature	20,0 °C	Antifreeze percentile	0 %
Capacity (total)	22,2 kW	Pressure drop medium	4,1 kPa
Air pressure drop	24 Pa		
Coating,Coating		Flange/counterflange,DN 25	

(5) Fan,Standard design

Air volume	3380 m ³ /h	Fan - speed	2323 1/min
External pressure	250 Pa	Peripheral velocity	34,1 m/s
Internal pressure	255 Pa	Efficiency	77,1 %
Dynamic pressure	33 Pa	Motor - capacity	1,0/0,20 kW
Total pressure	538 Pa	Motor - speed	1500/750 1/min
Impeller	Backward inclined	Motor - voltage	3*400 V
Fan type	T-HLZ 280	Motor-current*	2,7/1,3 A
Discharge position	A	Motor size	90
Fan - capacity	0,65 kW	Total sound power	86,4 dB

***max. nom. current:motors used are slightly different.Choose range of overload relay so that stated nom. current is within the upper third.**

Access door

Flexible connection D

Motor protection,Without motor protection

Motor pulley,140 SPA 1 BG 24

Lamp 24 Volt (dry room),Mounted and wired

Isolator mounted and wired,AR 6/5,5

Fan pulley,90 SPA 1 BG 25

General accessory:

1 Pcs. Linkage external,Linkage 1(lever)

1 Pcs. Diff.pressure manometer,Dwyer - Minihelic

1 Pcs. Indicator thermometer, Mounted , Teil 1
7 Pcs. Cable inlet, Without traction relief , 4x Druck, 3x
Temp.

mounted , Filter
1 Pcs. Indicator thermometer, Mounted , Teil 5
~~4 Pcs. Frost protection thermostat, Loose~~

Unit dimensions

Length	2900 mm	Breadth	880 mm
Height	880 mm	Weight	360 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~