

## Air handling units

Order No.: 00622043/09(modification no.2 from 02.02.00)

<b>Customer</b>	<b>Elco Wolf NL</b>	Responsible in yr.	Dhr. R. Teijgelaar
		com	
Project / commission	Stadsgevangenis Koddeweg	Pos	LBK 219.01
	te Hoogvliet		
Responsible in our	Monika Ziegler	Order volume	1
com			
Your job number	891804/9		
Unit typee	Supply air Horizontal		
<b>Unit size supply air</b>	<b>KG 100 Gigant</b>	Air volume supply air	5120 m <sup>3</sup> /h
<b>Casing design</b>	<b>Gigant-casing</b>		

### Supply air:

#### (1) Exhaust air section/empty section

Damper S internal Flexible connection S

#### (2) Bag filter section

Initial resistance	100 Pa	Selection resistance	150 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.	9,0 °C
Connection (inlet/outlet)	2 0/0	Medium off temp.	3,3 °C
Air-on temperature	-10,0 °C	Medium flow rate	3,50 m <sup>3</sup> /h
Air-off temperature	0,8 °C	Antifreeze percentile	30 %
Capacity (total )	20,4 kW	Pressure drop medium	4,3 kPa
Air pressure drop	55 Pa	Heat recovery figure	0,4
Coating,Coating		Flange/counterflange,DN 50	

#### (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	0,8 °C	Medium flow rate	1,54 m <sup>3</sup> /h
Air-off temperature	20,0 °C	Antifreeze percentile	0 %
Capacity (total )	34,9 kW	Pressure drop medium	4,3 kPa
Air pressure drop	20 Pa		
Coating,Coating		Flange/counterflange,DN 25	

#### (5) Fan,Standard design

Air volume	5120 m <sup>3</sup> /h	Fan - speed	1852 1/min
External pressure	275 Pa	Peripheral velocity	34,4 m/s
Internal pressure	285 Pa	Efficiency	85,8 %
Dynamic pressure	29 Pa	<b>Motor - capacity</b>	<b>1,4/0,30 kW</b>
Total pressure	589 Pa	<b>Motor - speed</b>	<b>1500/750 1/min</b>
Impeller	Backward inclined	<b>Motor - voltage</b>	<b>3*400 V</b>
Fan type	T-HLZ 355	<b>Motor-current*</b>	<b>3,8/1,8 A</b>
Discharge position	A	Motor size	90
Fan - capacity	0,98 kW	Total sound power	88,5 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	Lamp 24 Volt (dry room),Mounted and wired
Isolator mounted and wired,AR 6/5,5	<b>Motor protection,Without motor protection</b>
Fan pulley,90 SPZ 2 BG 30	Motor pulley,112 SPZ 2 BG 24

#### (6) Empty section with air diffusor

Selection resistance	21 Pa
Air diffusor,Pressure side,Standard	

## (7) Attenuator type 3

Selection resistance			21 Pa	Insertion attenuation				
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
7 dBA	14 dBA	24 dBA	25 dBA	26 dBA	20 dBA	14 dBA	13 dBA	

## (8) Exhaust air section/empty section

Flexible connection S

### General accessory:

1 Pcs. Linkage external, Linkage 1 (lever)

1 Pcs. Diff. pressure manometer, Dwyer - Minihelic  
mounted, Filter

1 Pcs. Indicator thermometer, Mounted, Teil 1

1 Pcs. Indicator thermometer, Mounted, Teil 8

9 Pcs. Cable inlet, Without traction relief, 6x Druck, 3x Temperatur

### Unit dimensions

Length	6090 mm	Breadth	1040 mm
Height	1040 mm	Weight	832 kg

Änderungslegende:

Underlined values were changed~~Crossed out values were blanked~~