

## Air handling units

Order No.: 00622043/03(modification no.1 from 31.01.00)

<b>Customer</b>	<b>Elco Wolf NL</b>	Responsible in yr. com	Dhr. R. Teijgeler
Project / commission	Stadsgevangenis Koddeweg te Hoogvliet	Pos	LBK 213.01
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/3		
Unit typee	Supply air Horizontal		
<b>Unit size supply air</b>	<b>KG 40 Gigant</b>	Air volume supply air	1110 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	50 Pa	Selection resistance	100 Pa
Lamp 24 Volt (dry room), Mounted and wired Filter bag F7		Access door bag filter section	

#### (3) KVS - heating coil section

Heat exchanger typee	II Cu/Al	Medium on temp.	5,5 °C
Connection (inlet/outlet)	1 1/4	Medium off temp.	4,0 °C
Air-on temperature	-10,0 °C	Medium flow rate	3,50 m <sup>3</sup> /h
Air-off temperature	2,4 °C	Antifreeze percentile	30 %
Capacity (total )	5,1 kW	Pressure drop medium	12,7 kPa
Air pressure drop	20 Pa	Heat recovery figure	0,4
Coating,Coating		Flange/counterflange, DN 20	

#### (4) Heating section

Heat exchanger typee	1 Cu/Al LT	Medium on temp.	90,0 °C
Connection (inlet/outlet)	3/4	Medium off temp.	70,0 °C
Air-on temperature	2,4 °C	Medium flow rate	0,30 m <sup>3</sup> /h
Air-off temperature	20,0 °C	Antifreeze percentile	0 %
Capacity (total )	6,9 kW	Pressure drop medium	0,9 kPa
Air pressure drop	10 Pa		
Coating,Coating		Flange/counterflange, DN 20	

#### (5) Cooling section

Heat exchanger typee	Cu/Cu SOKA 3872	Medium on temp.	6,0 °C
Air-on temperature	28,0 °C	Medium off temp.	12,0 °C
Relative humidity	50,0 %	Medium flow rate	0,85 m <sup>3</sup> /h
Air-off temperature	15,2 °C	Antifreeze percentile	30 %
Relative humidity	99,9 %		
Capacity (latent)	0,9 kW		
Capacity (sensitive)	4,4 kW		
Capacity (total )	5,3 kW		
Pressure drop(drop elim.)	7 Pa		
Air pressure drop	18 Pa		
Special heat exchanger Designation	Sonder Register	Special number	38721
Drop eliminator, T 400		Drain connection on connection side	

#### (6) Fan, Standard design

Air volume	1110 m <sup>3</sup> /h	Fan - speed	2436 1/min
External pressure	250 Pa	Peripheral velocity	28,7 m/s

Internal pressure	161 Pa	Efficiency	75,6 %
Dynamic pressure	9 Pa	<b>Motor - capacity</b>	<b>0,5/0,1 kW</b>
Total pressure	420 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 225	<b>Motor-current*</b>	<b>1,8/0,7 A</b>
Discharge position	A	Motor size	80
Fan - capacity	0,17 kW	Total sound power	75,3 dBA

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

Lamp 24 Volt (dry room), Mounted and wired

Flexible connection D

**Motor protection, Without motor protection**

Motor pulley, not adjustable, acc. to technical department

Access door

Isolator mounted and wired, AR 6/5,5

Fan pulley, not adjustable, acc. to technical department

## General accessory:

1 Pcs. Linkage external, Linkage 1 (lever)

1 Pcs. Indicator thermometer, Mounted ,f. Teil 1

9 Pcs. Cable inlet, Without traction relief , 5x f. Druck, 4x f. Temperatur

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

1 Pcs. Indicator thermometer, Mounted , f. Teil 6

~~1 Pcs. Frost protection thermostat, Loose~~

## Unit dimensions

Length	3300 mm	Breadth	710 mm
Height	710 mm	Weight	311 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~