

Air handling units

Order No.: 00622043/06(modification no.1 from 31.01.00)

Customer	Elco Wolf NL	Responsible in yr.	Dhr. R. Teijgeler
		com	
Project / commission	Stadsgevangenis Koddeweg te Hoogvliet	Pos	6 LBK 216.01
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/6		
Unit typee	Supply air Horizontal		
Unit size supply air	KG 100 Gigant	Air volume supply air	6090 m ³ /h
Casing design	Gigant-casing		

Supply air:

(1) Bag filter section

Initial resistance	119 Pa	Selection resistance	169 Pa
Lamp 24 Volt (dry room), Mounted and wired		Filter bag F7	
Access door bag filter section		Flexible connection Q	

(2) KVS - heating coil section

Heat exchanger typee	II Cu/Al	Medium on temp.	6,9 °C
Connection (inlet/outlet)	2 0/0	Medium off temp.	3,3 °C
Air-on temperature	-10,0 °C	Medium flow rate	6,80 m ³ /h
Air-off temperature	0,9 °C	Antifreeze percentile	30 %
Capacity (total)	24,5 kW	Pressure drop medium	13,9 kPa
Air pressure drop	78 Pa	Heat recovery figure	0,4
Coating, Coating		Flange/counterflange, DN 50	

(3) 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	0,9 °C	Medium flow rate	1,82 m ³ /h
Air-off temperature	20,0 °C	Antifreeze percentile	0 %
Capacity (total)	41,3 kW	Pressure drop medium	5,9 kPa
Air pressure drop	29 Pa		
Coating, Coating		Flange/counterflange, DN 25	

(4) Fan, Standard design

Air volume	6090 m ³ /h	Fan - speed	1903 1/min
External pressure	200 Pa	Peripheral velocity	35,4 m/s
Internal pressure	302 Pa	Efficiency	81,6 %
Dynamic pressure	41 Pa	Motor - capacity	1,4/0,30 kW
Total pressure	543 Pa	Motor - speed	1500/750 1/min
Impeller	Backward inclined	Motor - voltage	3*400 V
Fan type	T-HLZ 355	Motor-current*	3,8/1,8 A
Discharge position	A	Motor size	90
Fan - capacity	1,13 kW	Total sound power	89,2 dB

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

Isolator mounted and wired, AR 6/5,5
Fan pulley, 90 SPZ 2 BG 30
Access door

Motor protection, Without motor protection
Motor pulley, 125 SPZ 2 BG 24
Lightning 24 Volt, Mounted and wired

(5) Empty section 1040

(6) Attenuator type 3

Selection resistance			30 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	

Flexible connection Q

General accessory:

1 Pcs. Linkage external, Linkage 1 (lever)

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

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

7 Pcs. Cable inlet, Without traction relief, 3x Temperatur, 4x
Druck

1 Pcs. Frost protection thermostat, Loose

~~6 Pcs. Cable inlet, Without traction relief, 2x Temperatur, 4x Druck~~

Unit dimensions

Length	3880 mm	Breadth	2170 mm
Height	1040 mm	Weight	701 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~