

Air handling units

Order No.: 00622043/10(modification no.1 from 31.01.00)

Customer	Elco Wolf NL ^A	Responsible in yr.	Dhr. R. Teijgelaar
		com	
Project / commission	Stadsgevangenis Koddeweg te Hoogvliet	Pos	LBK 220.01
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/10		
Unit typee	Supply air Horizontal		
Unit size supply air	KG 63 Gigant	Air volume supply air	3775 m ³ /h
Casing design	Gigant-casing		

Supply air:

(1) Exhaust air section/empty section

Damper S internal

Flexible connection S

(2) Bag filter section

Initial resistance	102 Pa	Selection resistance	152 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.	9,5 °C
Connection (inlet/outlet)	1 1/2	Medium off temp.	5,9 °C
Air-on temperature	-10,0 °C	Medium flow rate	5,00 m ³ /h
Air-off temperature	3,3 °C	Antifreeze percentile	30 %
Capacity (total)	18,6 kW	Pressure drop medium	11,3 kPa
Air pressure drop	86 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	3,3 °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	4,2 kPa
Air pressure drop	30 Pa		
Coating,Coating		Flange/counterflange,DN 25	

(5) Fan,Standard design

Air volume	3775 m ³ /h	Fan - speed	2707 1/min
External pressure	375 Pa	Peripheral velocity	39,7 m/s
Internal pressure	342 Pa	Efficiency	78,1 %
Dynamic pressure	41 Pa	Motor - capacity	1,4/0,30 kW
Total pressure	758 Pa	Motor - speed	1500/750 1/min
Impeller	Backward inclined	Motor - voltage	3*400 V
Fan type	T-HLZ 280	Motor-current*	3,8/1,8 A
Discharge position	A	Motor size	90
Fan - capacity	1,02 kW	Total sound power	89,8 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

Motor protection,Without motor protection

Isolator mounted and wired,AR 6/5,5

Fan pulley,Text-Nummer nicht gefunden: 353522

Motor pulley,not adjustable, acc. to technical department

(7) Empty section with air diffusor

Selection resistance	29 Pa
Air diffusor,Pressure side,Standard	

(8) Attenuator type 3

Selection resistance			20 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 - Minihelic mounted, Filter

1 Pcs. Indicator thermometer, Mounted, Teil 1

1 Pcs. Indicator thermometer, Mounted, Teil 8

8 Pcs. Cable inlet, Without traction relief, 5x Druck, 3x Temperatur

~~4 Pcs. Frost protection thermostat, Loose~~

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

Unit dimensions

Length	3230 mm	Breadth	2340 mm
Height	880 mm	Weight	527 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~