

Air handling units

Order No.: 00622043/02(modification no.1 from 31.01.00)

Customer	Elco Wolf NL	Responsible in yr.	Dhr. R. Teijgeler
		com	
Project / commission	Stadsgevangenis Koddeweg	Pos	LBK 212.01
	te Hoogvliet		
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/2		
Unit typee	Supply air Horizontal		
Unit size supply air	KG 160 Gigant	Air volume supply air	9990 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	123 Pa	Selection resistance	173 Pa
Lamp 24 Volt (dry room), Mounted and wired		Access door bag filter section	
Filter bag F7			

(3) Heating section

Heat exchanger typee	1 Cu/Al LT	Medium on temp.	90,0 °C
Connection (inlet/outlet)	1 1/2	Medium off temp.	70,0 °C
Air-on temperature	-10,0 °C	Medium flow rate	5,55 m ³ /h
Air-off temperature	24,0 °C	Antifreeze percentile	0 %
Capacity (total)	125,8 kW	Pressure drop medium	18,0 kPa
Air pressure drop	26 Pa		
Coating, Coating		Flange/counterflange, DN 40	

(4) Fan, Standard design

Air volume	9990 m ³ /h	Fan - speed	1558 1/min
External pressure	225 Pa	Peripheral velocity	36,7 m/s
Internal pressure	296 Pa	Efficiency	74,9 %
Dynamic pressure	45 Pa	Motor - capacity	3,2/0,80 kW
Total pressure	566 Pa	Motor - speed	1500/750 1/min
Impeller	Backward inclined	Motor - voltage	3*400 V
Fan type	T-HLZ 450	Motor-current*	8,3/4,5 A
Discharge position	A	Motor size	112
Fan - capacity	2,10 kW	Total sound power	91,7 dB

***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	Access door
Motor protection, Without motor protection	Isolator mounted and wired, AR 6/5,5
Fan pulley, 100 SPZ 2 BG 35	Motor pulley, 112 SPZ 2 BG 28

(5) Empty section with air diffusor

Selection resistance 39 Pa
Air diffusor, Pressure side, Standard

(6) Attenuator type 3

Selection resistance 31 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. Indicator thermometer, Mounted , f. Leerteil 1

6 Pcs. Cable inlet, Without traction relief , f.
Filter, Register, Venti

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

1 Pcs. Indicator thermometer, Mounted , f. Leerteil 5

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

Unit dimensions

Length	5280 mm	Breadth	1290 mm
Height	1290 mm	Weight	911 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~