

Air handling units

Order No.: 00622044/08(modification no.2 from 02.02.00)

Customer	Elco Wolf NL	Responsible in yr.	Dhr. R. Teijgeler
		com	
Project / commission	Stadsgevangenis Koddeweg	Pos	AVE 222.01
	te Hoogvliet		
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/24		
Unit typee	Exhaust air Horizontal		
Unit size exhaust air	KG 63 Gigant	Air volume exhaust air	3380 m ³ /h

Casing design Gigant-casing

Exhaust air:

(1) Empty section 380

Damper S internal

Flexible connection S

(2) Bag filter section

Initial resistance	62 Pa	Selection resistance	112 Pa
Access door bag filter section		Filter bag F5	
Lamp 24 Volt (dry room), Mounted and wired			

(3) Cooling section

Heat exchanger typee	Cu/Cu SOKA	Medium off temp.	6,4 °C
	3872		
Connection(inlet/outlet)		Medium flow rate	5,00 m ³ /h
Air-on temperature	20,0 °C	Antifreeze percentile	30 %
Relative humidity	40,0 %	Pressure drop medium	11,6 kPa
Air-off temperature	7,1 °C		
Relative humidity	92,5 %		
Capacity (total)	14,4 kW		
Pressure drop(drop elim.)	21 Pa		
Air pressure drop	62 Pa		
Medium on temp.	3,6 °C		
Special heat exchanger			
Designation	Sonder Register	Special number	38721
Drop eliminator, T 400		Drain connection on connection side	

(4) Attenuator type 3

Selection resistance 16 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

(5) Fan, Standard design

Air volume	3380 m ³ /h	Fan - speed	2288 1/min
External pressure	250 Pa	Peripheral velocity	33,5 m/s
Internal pressure	231 Pa	Efficiency	76,7 %
Dynamic pressure	33 Pa	Motor - capacity	1,0/0,20 kW
Total pressure	514 Pa	Motor - speed	1500/750 1/min
Impeller	Backward inclined	Motor - voltage	3*400 V
Fan type	T-HLZ 280	Motor-current*	2,7/1,3 A
Discharge position	B	Motor size	90
Fan - capacity	0,63 kW	Total sound power	79,2 dBA

***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
Flexible connection D	Isolator mounted and wired, AR 6/5,5
Motor protection, Without motor protection	Fan pulley, 90 SPA 1 BG 25

Motor pulley,140 SPA 1 BG 24

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 5

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

Unit dimensions

Length	3800 mm	Breadth	880 mm
Height	880 mm	Weight	414 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~

