

## Air handling units

Order No.: 00622044/06(modification no.2 from 02.02.00)

<b>Customer</b>	<b>Elco Wolf NL</b>	Responsible in yr.	Dhr. R. Teijgeler
		com	
Project / commission	Stadsgevangenis Koddeweg	Pos	AVE 219.01
	te Hoogvliet		
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/21		
Unit typee	Exhaust air Horizontal		
<b>Unit size exhaust air</b>	<b>KG 100 Gigant</b>	Air volume exhaust air	6550 m³/h
<b>Casing design</b>	<b>Gigant-casing</b>		

### Exhaust air:

#### (1) Exhaust air section/empty section

Damper S internal Flexible connection S

#### (2) Bag filter section

Initial resistance	79 Pa	Selection resistance	129 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.	8,0 °C
	3872		
Connection(inlet/outlet)		Medium flow rate	6,80 m³/h
Air-on temperature	20,0 °C	Antifreeze percentile	30 %
Relative humidity	40,0 %	Pressure drop medium	13,8 kPa
Air-off temperature	9,0 °C		
Relative humidity	81,3 %		
Capacity (total )	23,8 kW		
Pressure drop(drop elim.)	36 Pa		
Air pressure drop	81 Pa		
Medium on temp.	4,6 °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 34 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	6550 m³/h	Fan - speed	2152 1/min
External pressure	375 Pa	Peripheral velocity	40,0 m/s
Internal pressure	310 Pa	Efficiency	83,7 %
Dynamic pressure	48 Pa	<b>Motor - capacity</b>	<b>2,4/0,50 kW</b>
Total pressure	733 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 355	<b>Motor-current*</b>	<b>6,0/2,8 A</b>
Discharge position	B	Motor size	100
Fan - capacity	1,59 kW	Total sound power	84,0 dBA

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

Flexible connection D	Access door
Lamp 24 Volt (dry room), Mounted and wired	Isolator mounted and wired, AR 6/5,5
<b>Motor protection, Without motor protection</b>	Fan pulley, 90 SPZ 2 BG 30

Motor pulley,140 SPZ 2 BG 28

## 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	4660 mm	Breadth	1040 mm
Height	1040 mm	Weight	644 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~

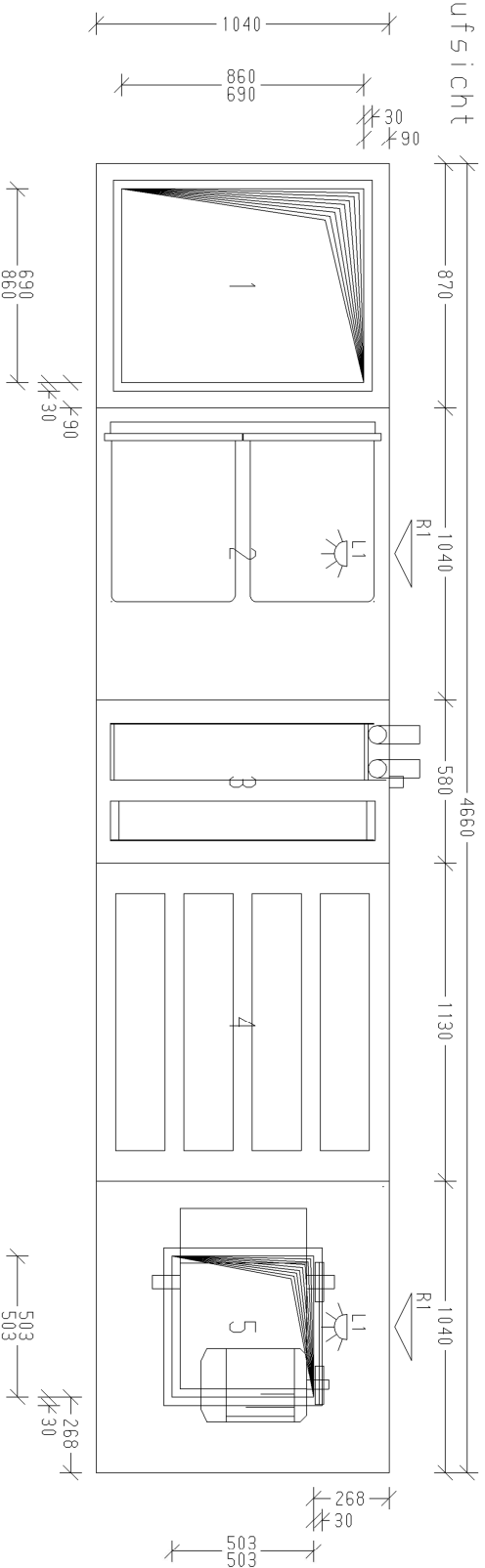
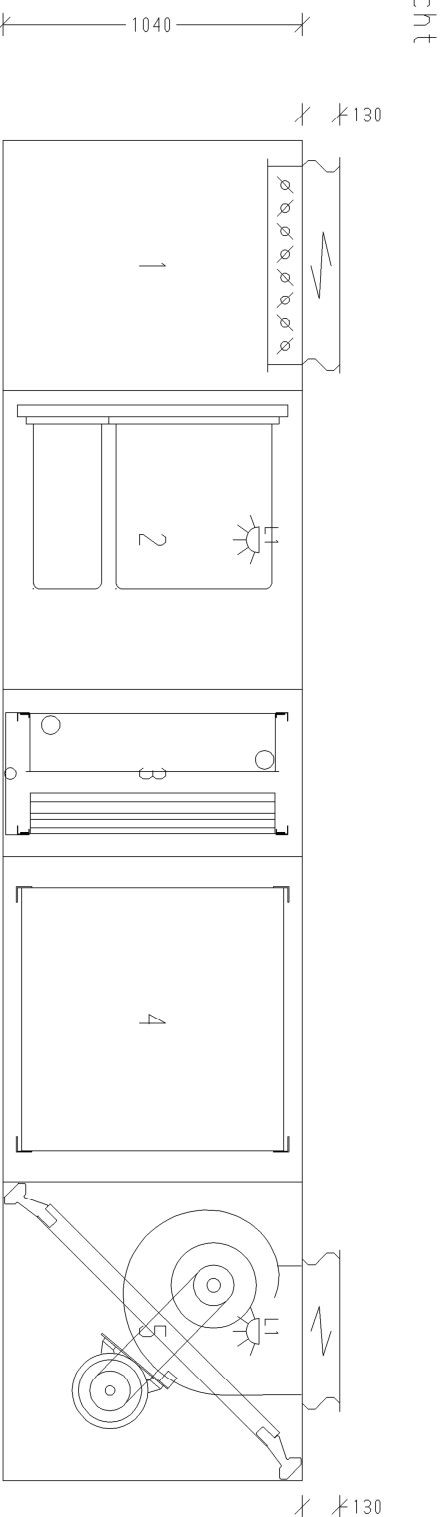


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Gerät in 2 Teilen liefern

Teil	Bestehend aus Pos.Nr.:	Gewicht
1	1, 2	ca. 210 kg
2	3, 4, 5	ca. 430 kg

Überstand Jalousiekloppengestänge max. 120 mm ab Geräteaußenkante auf Bedienungsseite außenliegend.



Kunde: Elco Wolf NL  
Projektname: Stödsgevingen's Koddeweg te Hoog  
Position: RUE 219, 01  
Bearbeitet: 99 Datum ZM Name  
Projekt-Nr.: 00622044/06  
KG 100 Gigant