

Air handling units

Order No.: 00622044/03(modification no.1 from 31.01.00)

Customer	Elco Wolf NL	Responsible in yr.	Dhr. R. Teijgelaar
		com	
Project / commission	Stadsgevangenis Koddeweg	Pos	AVE 213.01
	te Hoogvliet		
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/16		
Unit typee	Exhaust air Horizontal		
Unit size exhaust air	KG 40 Gigant	Air volume exhaust air	1110 m ³ /h

Casing design Gigant-casing

Exhaust air:

(1) Bag filter section

Initial resistance	33 Pa	Selection resistance	83 Pa
Access door bag filter section		Filter bag F5	
Lamp 24 Volt (dry room),Mounted and wired		Damper Q external	
Flexible connection Q			

(2) Cooling section

Heat exchanger typee	Cu/Cu SOKA	Medium off temp.	5,4 °C
	3872		
Connection(inlet/outlet)		Medium flow rate	3,50 m ³ /h
Air-on temperature	20,0 °C	Antifreeze percentile	30 %
Relative humidity	40,0 %	Pressure drop medium	12,7 kPa
Air-off temperature	5,6 °C		
Relative humidity	99,9 %		
Capacity (total)	5,1 kW		
Pressure drop(drop elim.)	7 Pa		
Air pressure drop	18 Pa		
Medium on temp.	4,0 °C		
Special heat exchanger			
Designation	Sonder Register	Special number	38721
Drop eliminator,T 400		Drain connection on connection side	

(3) Attenuator type 3

Selection resistance				2 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	

(4) Fan,Standard design

Air volume	1110 m ³ /h	Fan - speed	2635 1/min
External pressure	375 Pa	Peripheral velocity	31,0 m/s
Internal pressure	116 Pa	Efficiency	73,2 %
Dynamic pressure	9 Pa	Motor - capacity	0,5/0,1 kW
Total pressure	500 Pa	Motor - speed	1500/750 1/min
Impeller	Backward inclined	Motor - voltage	3*400 V
Fan type	T-HLZ 225	Motor-current*	1,8/0,7 A
Discharge position	A	Motor size	80
Fan - capacity	0,21 kW	Total sound power	83,6 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
Isolator mounted and wired,AR 6/5,5	Motor protection,Without motor protection
Fan pulley,Text-Nummer nicht gefunden: 353522	Motor pulley,not adjustable, acc. to technical department
Flexible connection D	

General accessory:

1 Pcs. Linkage external, Linkage 1 (lever)

1 Pcs. Indicator thermometer, Mounted , Teil 1

5 Pcs. Cable inlet, Without traction relief , 3x Druck, 2x Temp.

1 Pcs. Diff. pressure manometer, Dwyer - Minihelic
mounted , Filter

1 Pcs. Indicator thermometer, Mounted , Teil 4

Unit dimensions

Length

3080 mm

Breadth

710 mm

Height

710 mm

Weight

274 kg

Änderungslegende:

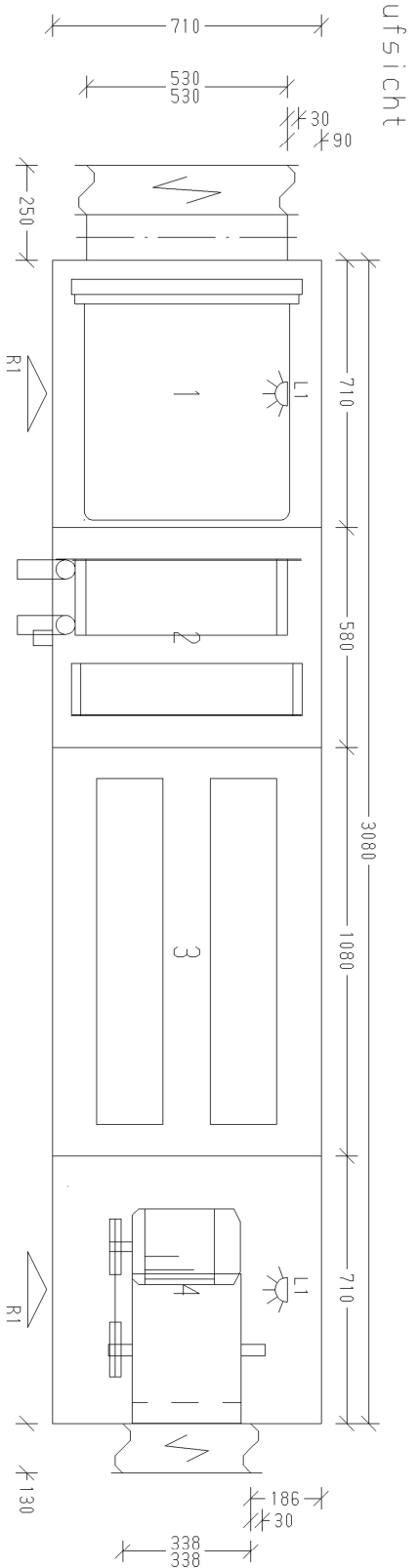
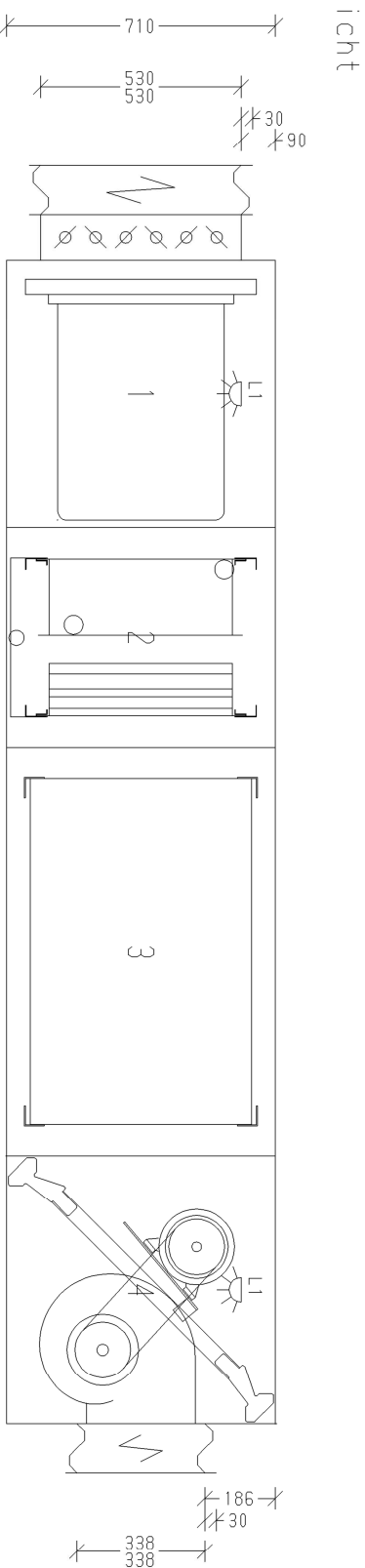
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Überstand Jalousieklappengestänge in Lamellen-Längsrichtung max. 120 mm ab Geräteaußenkante.
Gerät in 1 Teil liefern.
Überstand Jalousieklappengestänge max. 120 mm ab Geräteaußenkante auf Bedienungsseite außenliegend.



- 4 Ventilatorteil ca. 79kg
- 3 Schalldämpferteil Typ 3 ca. 79kg
- 2 Kühlerenteil ca. 49kg
- 1 Taschenfilterteil F5 ca. 67kg
- Gesamtwicht ca. 274kg

Kunde: Elco Wolf NL

Projektname: Stadsgevangenis Koddeweg te Hoog

Position: RUE 213.01

Bearbeitet:	99	ZM
Datum		Name

Projekt-Nr.: 00622044/03

KG 40 Gigant