

Air handling units

Order No.: 00622044/04(modification no.1 from 31.01.00)

Customer	Elco Wolf NL	Responsible in yr.	Dhr. R. Teijgeler
		com	
Project / commission	Stadsgevangenis Koddeweg	Pos	18 AVE 216.01
	te Hoogvliet		
Responsible in our com	Monika Ziegler	Order volume	1
Your job number	891804/18		
Unit typee	Exhaust air Horizontal		
Unit size exhaust air	KG 100 Gigant	Air volume exhaust air	6090 m ³ /h

Casing design Gigant-casing

Exhaust air:

(1) Empty section 380

Damper S internal Flexible connection S

(2) Bag filter section with direction of air flow to the bottom

Initial resistance	73 Pa	Selection resistance	123 Pa
Lamp 24 Volt (dry room), Mounted and wired		Filter bag F5	
Access door bag filter section			

(3) Empty section 1040

(4) Cooling section

Heat exchanger typee	Cu/Cu SOKA	Medium off temp.	6,9 °C
	3872		
Connection(inlet/outlet)		Medium flow rate	6,80 m ³ /h
Air-on temperature	20,0 °C	Antifreeze percentile	30 %
Relative humidity	40,0 %	Pressure drop medium	13,9 kPa
Air-off temperature	7,8 °C		
Relative humidity	88,1 %		
Capacity (total)	24,5 kW		
Pressure drop(drop elim.)	32 Pa		
Air pressure drop	70 Pa		
Medium on temp.	3,3 °C		
Special heat exchanger			
Designation	Sonder Register	Special number	38721
Drop eliminator,T 400		Drain connection on connection side	

(5) Attenuator type 3

Selection resistance 30 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

(6) Fan, Standard design

Air volume	6090 m ³ /h	Fan - speed	1879 1/min
External pressure	200 Pa	Peripheral velocity	34,9 m/s
Internal pressure	281 Pa	Efficiency	81,0 %
Dynamic pressure	41 Pa	Motor - capacity	1,4/0,30 kW
Total pressure	522 Pa	Motor - speed	1500/750 1/min
Impeller	Backward inclined	Motor - voltage	3*400 V
Fan type	T-HLZ 355	Motor-current*	3,8/1,8 A
Discharge position	A	Motor size	90
Fan - capacity	1,09 kW	Total sound power	81,2 dBA

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

Flexible connection D
Isolator mounted and wired,AR 6/5,5
Fan pulley,90 SPZ 2 BG 30
Access door

Lamp 24 Volt (dry room),Mounted and wired
Motor protection,Without motor protection
Motor pulley,125 SPZ 2 BG 24

General accessory:

1 Pcs. Linkage external,Linkage 1(lever)

2 Pcs. Indicator thermometer,Mounted , Teil 1 + 6

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

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

Unit dimensions

Length	3790 mm	Breadth	1040 mm
Height	2460 mm	Weight	686 kg

Änderungslegende:

Underlined values were changed

~~Crossed out values were blanked~~

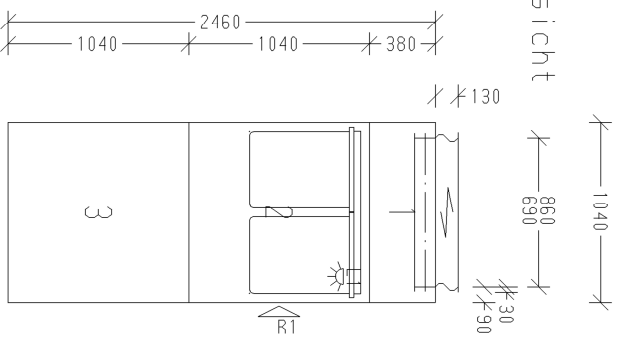


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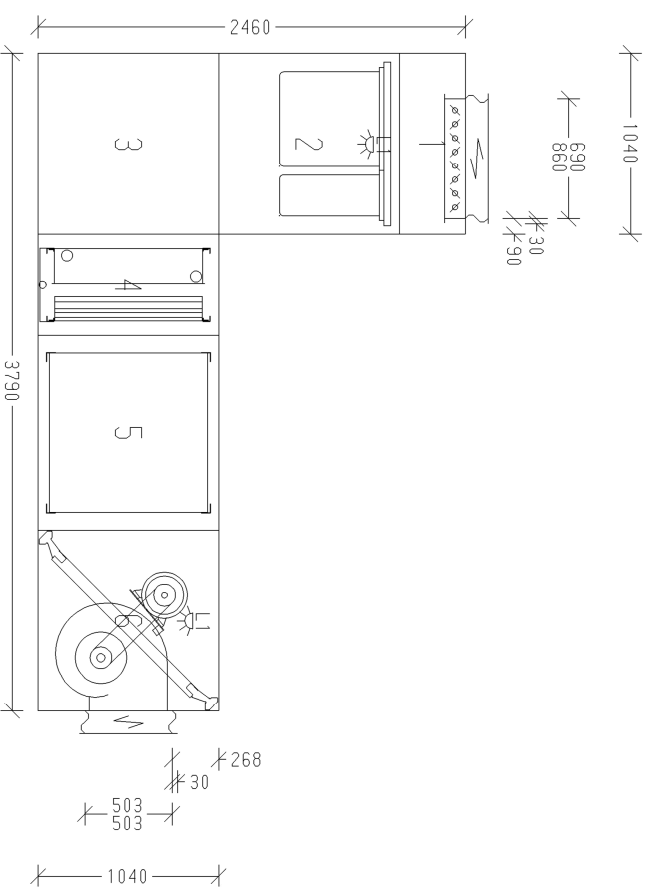
Gerät in 2 Teilen liefern

Teil	Bestehend aus Pos.Nr.:	Gewicht
1	1, 2, 3	ca. 260 kg
2	4, 5, 6	ca. 420 kg

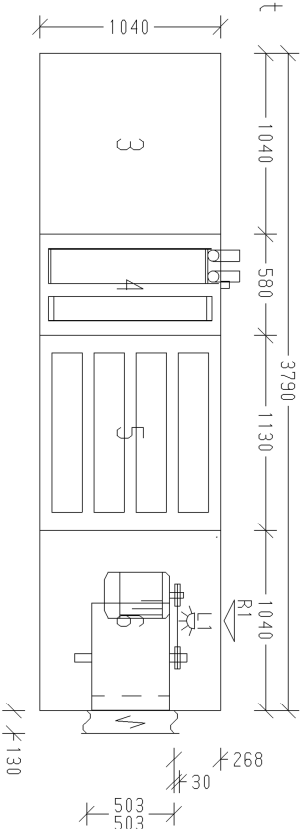
Seitenansicht



Ansicht



Draufsicht



- 6 Ventilatorenteil ca. 160kg
 - 5 Schalldämpferenteil Typ 3 ca. 180kg
 - 4 Kühlerenteil ca. 83kg
 - 3 Leerteil ca. 86kg
 - 2 Taschenfilterenteil F5 ca. 110kg
 - 1 Leerteil ca. 72kg
- Gesamgewicht ca. 691kg

Kunde: Elco Wolf NL

Projektname: Stödsgevangenis Koddeweg te Hoog

Position: 18 RVE 216.01

Bearbeitet: 99 Datum ZM Name

Projekt-Nr.: 00622044/04

KG 100 Gigant