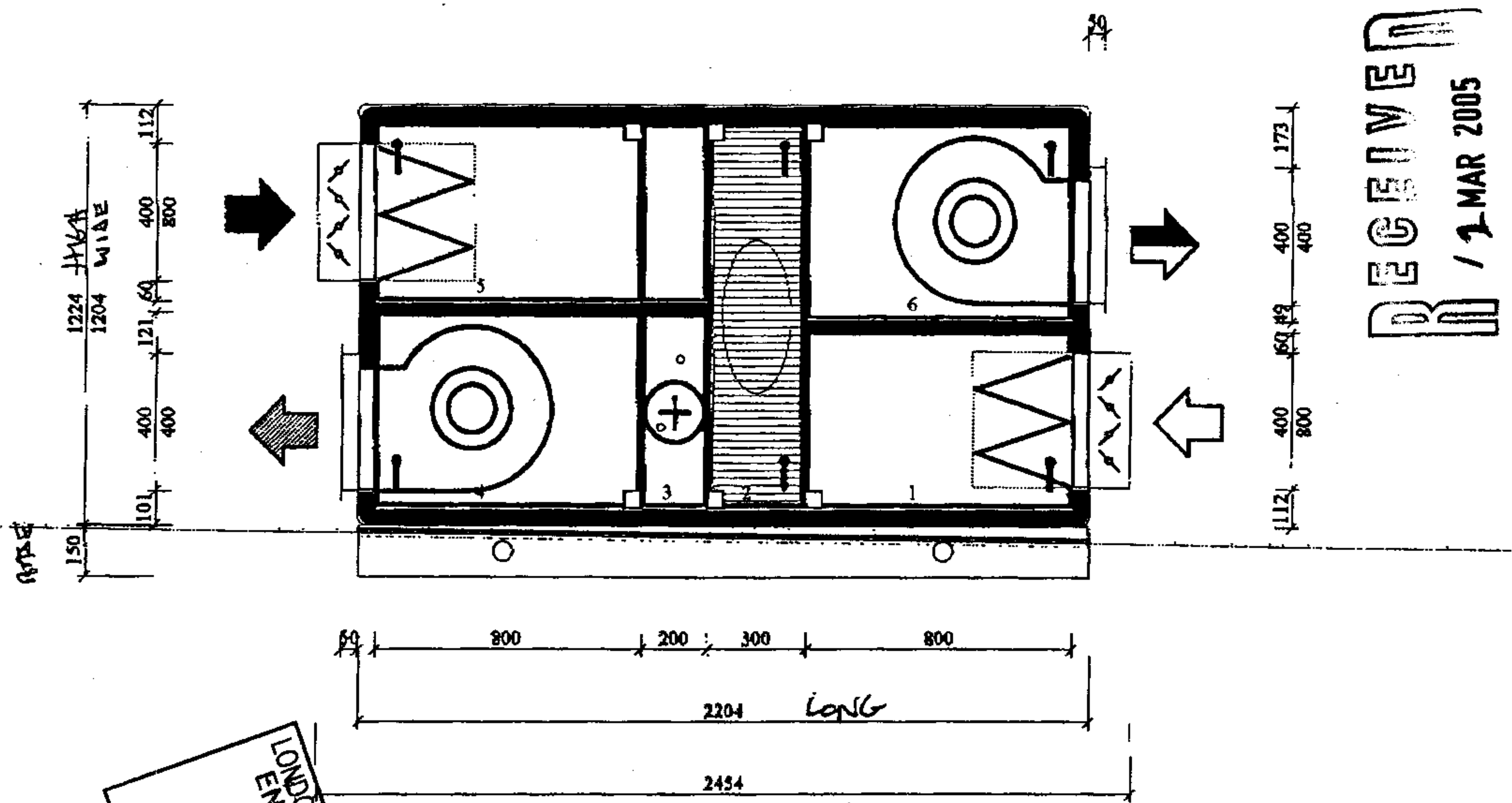




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ENVIRONMENT DEPT.

View from inspection side

Ver 5.06.05

Date	20/12/2004	
Our ref.	PM/Q96018A00	
Project ID	Q96018A00	
Project	The Palestinian Centre London	
Unit	AHU 1	
Supply	EC-04	1.20 m³/s
Exhaust	EC-04	1.20 m³/s

4

FläktWoods**EC 2000 COMPACT UNIT**

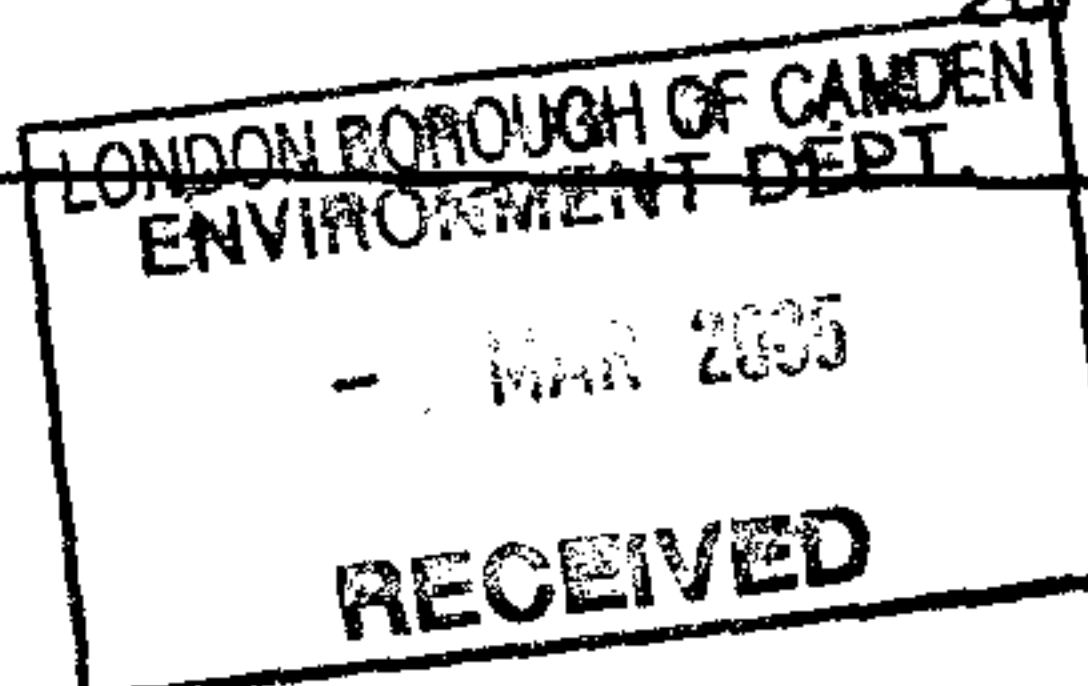
Q96018A00

Ver 5.08.05

20/12/2004

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Project The Palestinian Centre London
 Customer EDP
 Customer ref. Peter Reeve
 Our ref. PM/Q96018A00
 Unit AHU 1



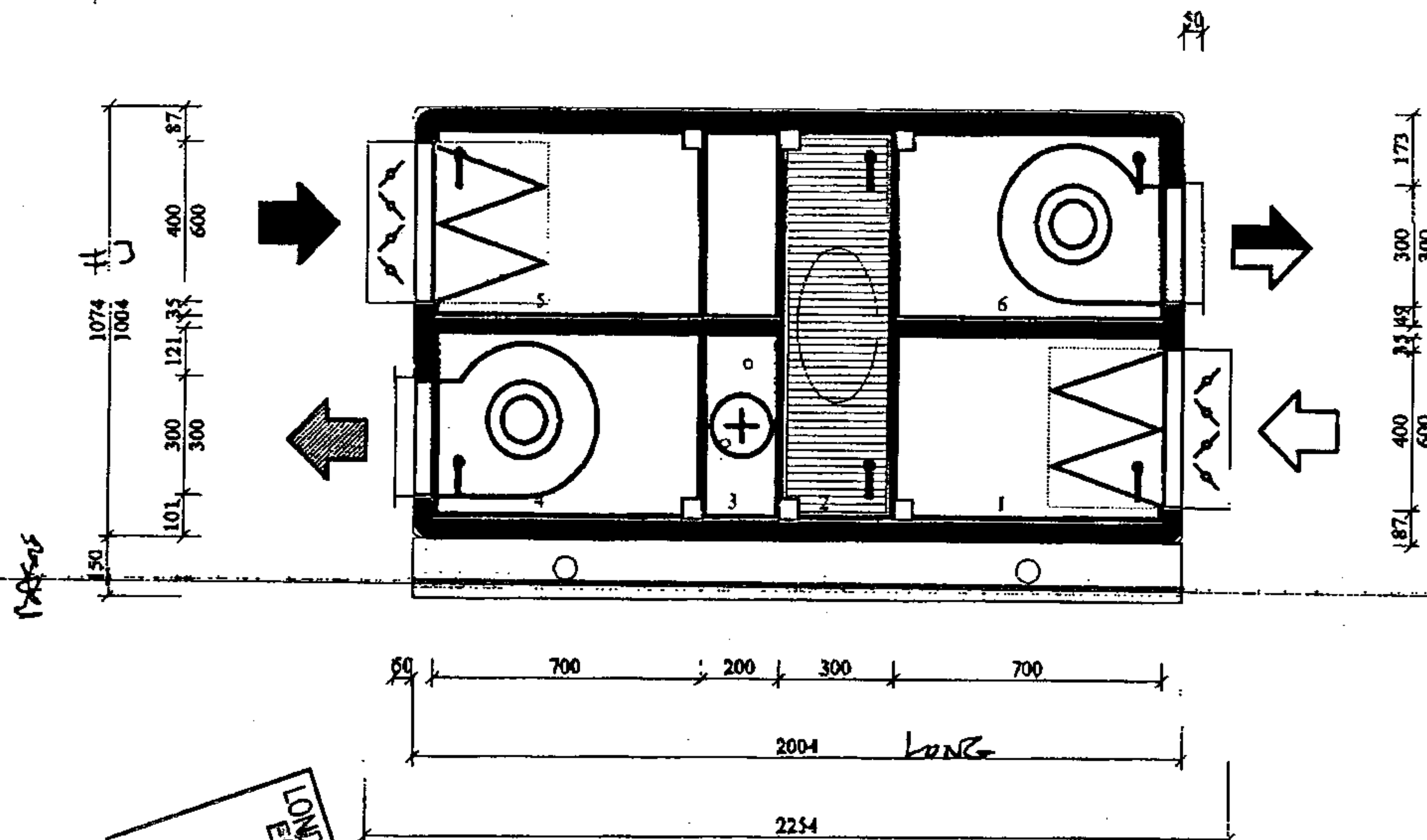
Supply air flow	1.20 m³/s	Exhaust air flow	1.20 m³/s
Ext. static pressure	250 Pa	Ext. static pressure	250 Pa
Size	4		
Voltage	3*400 V, 50 Hz	Weight	553 kg
SFP _v	2.43 kW/m³/s		

SUMMARY

Functional sections in direction of airflow	v0 (m/s)	Et (%)	tw (°C)	ts (°C)	dP (Pa)
Supply:					
Damper	3.8				6
Bag filter	2.4				123
Heat exchanger	3.1	74.7	-4.0 / 15.4		134
Air heater	2.3		-5.0 / 25.0		47
Fan		64.3			647
Exhaust:					
Damper	3.8				6
Bag filter	2.4				123
Heat exchanger	3.2		22.0 / 4.4		140
Fan		64.7			603

Sound power levels
(standard: AMCA 300-85 fig. 3)

Frequency (Hz)	Lw per octave band (dB)								LwA
	63	125	250	500	1k	2k	4k	8k	dB (A)
Fresh air duct	76	73	72	73	69	65	58	45	74
Supply air duct	87	81	80	80	79	76	74	69	84
Extract air duct	77	74	74	75	71	68	62	52	76
Exhaust air duct	87	81	80	80	79	76	74	69	84
To surroundings	73	73	64	58	58	56	52	44	64



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Date	20/12/2004	
Our ref.	PM/Q96018A00	
Project ID	Q96018A00	
Project	The Palestinian Centre London	
Unit	AHU 2	
Supply	EC-03	0.95 m ³ /s
Exhaust	EC-03	0.95 m ³ /s

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EC 2000 COMPACT UNIT

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 Customer ref. Peter Reeve
 Our ref. PM/Q96018A00
 Unit AHU 2

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Supply air flow	0.95	m ³ /s	Exhaust air flow	0.95	m ³ /s
Ext. static pressure	250	Pa	Ext. static pressure	250	Pa
Size	3				
Voltage	3*400 V, 50	Hz	Weight	446	kg
SFP _v	3.06	kW/m ³ /s			

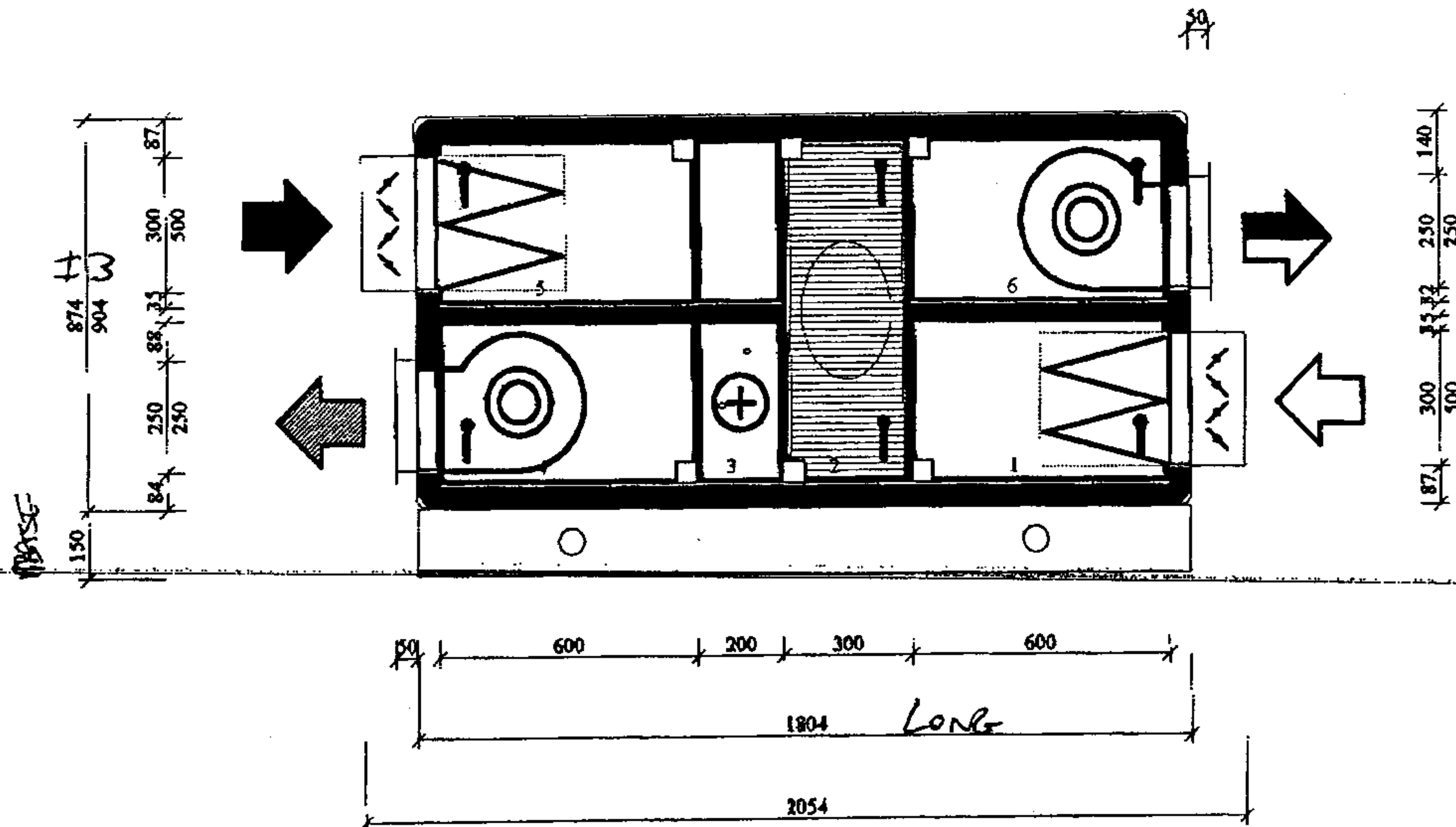
SUMMARY

Functional sections in direction of airflow	v0 (m/s)	Et (%)	tw (°C)	ts (°C)	dP (Pa)
Supply:					
Damper	4.0				7
Bag filter	3.0				150
Heat exchanger	3.9	72.9	-4.0 / 15.0		168
Air heater	2.8		-4.0 / 25.0		66
Fan		62.1			774
Exhaust:					
Balancing damper					20
Damper	4.0				7
Bag filter	3.0				150
Heat exchanger	4.0		22.0 / 4.8		176
Fan		61.9			750

Sound power levels

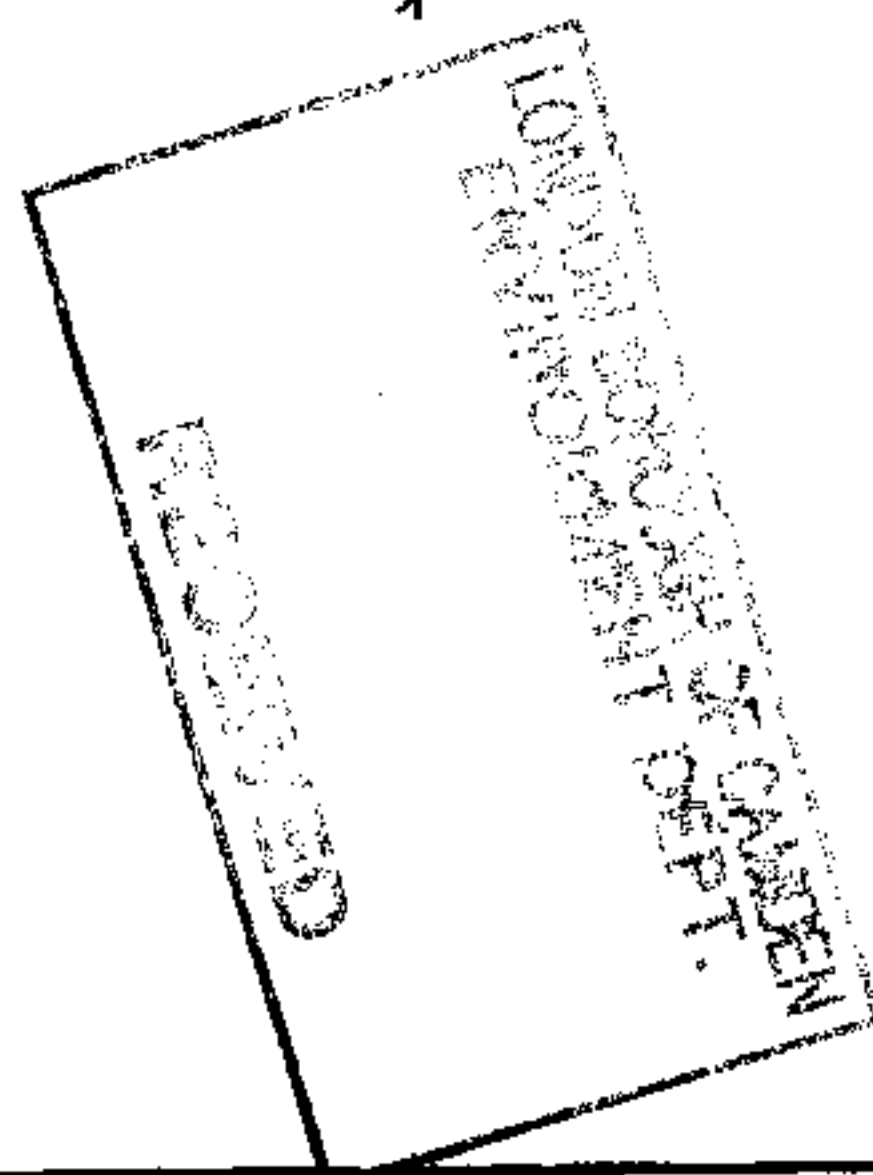
(standard: AMCA 300-85 fig. 3)

Frequency (Hz)	Lw per octave band (dB)								LwA dB (A)
	63	125	250	500	1k	2k	4k	8k	
Fresh air duct	76	74	73	72	70	69	61	48	75
Supply air duct	87	83	82	80	80	79	77	74	86
Extract air duct	77	75	75	74	72	72	65	55	78
Exhaust air duct	87	83	82	80	80	79	77	74	86
To surroundings	73	74	65	57	59	60	55	47	66



View from inspection side

Ver 5.06.05



Date	20/12/2004	
Our ref.	PM/Q96018A00	
Project ID	Q96018A00	
Project	The Palestinian Centre London	
Unit	AHU 3	
Supply	EC-02	0.50 m³/s
Exhaust	EC-02	0.50 m³/s

FläktWoods



EC 2000 COMPACT UNIT

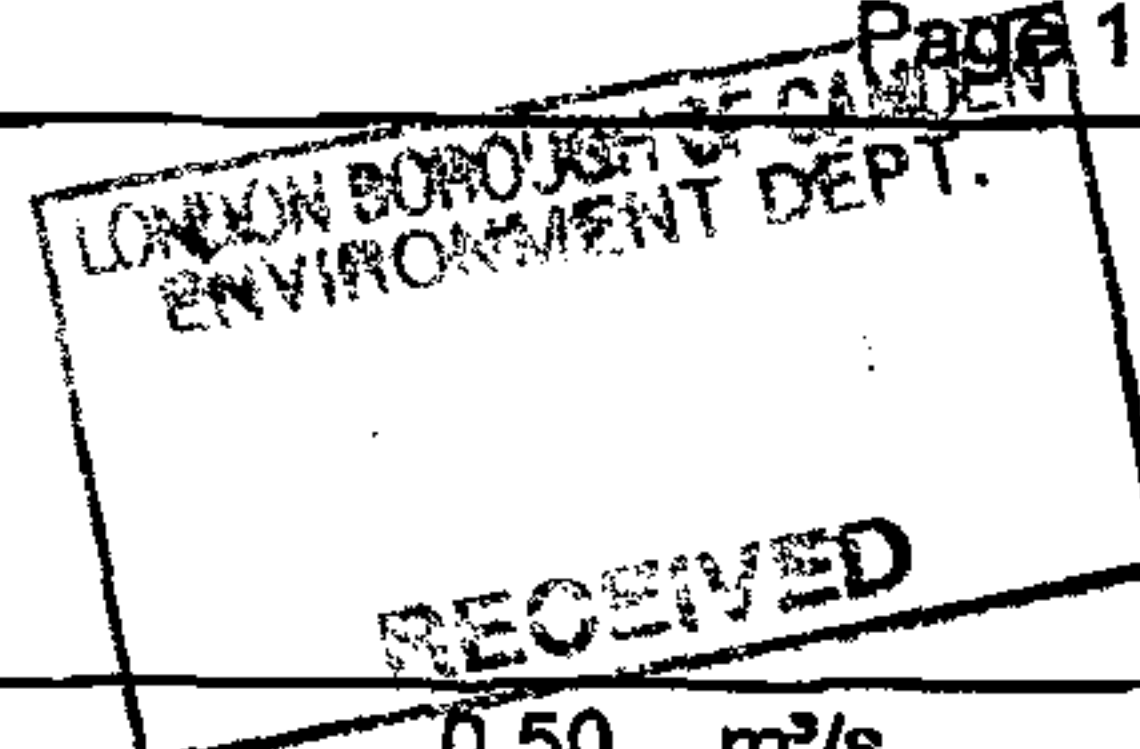
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 Customer ref. Peter Reeve
 Our ref. PM/Q96018A00
 Unit AHU 3



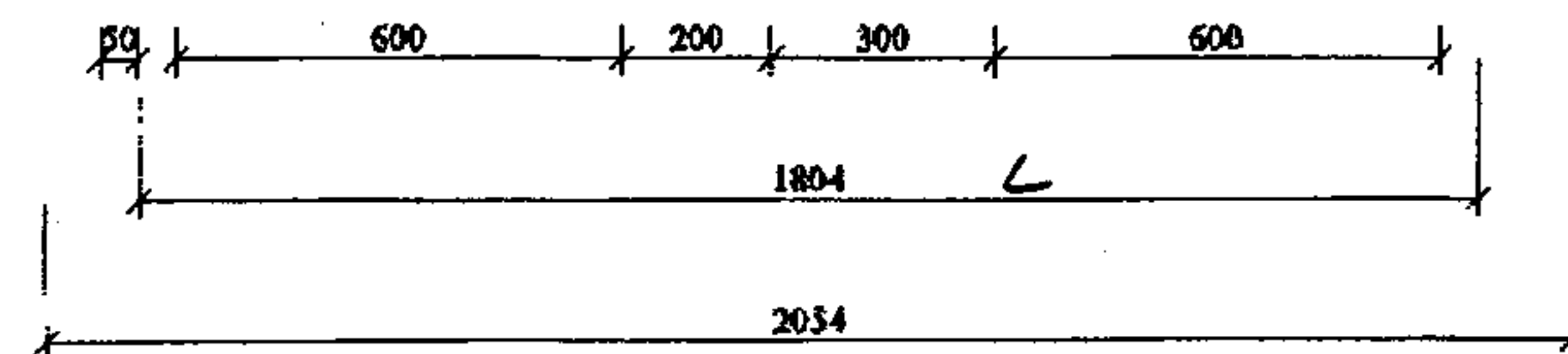
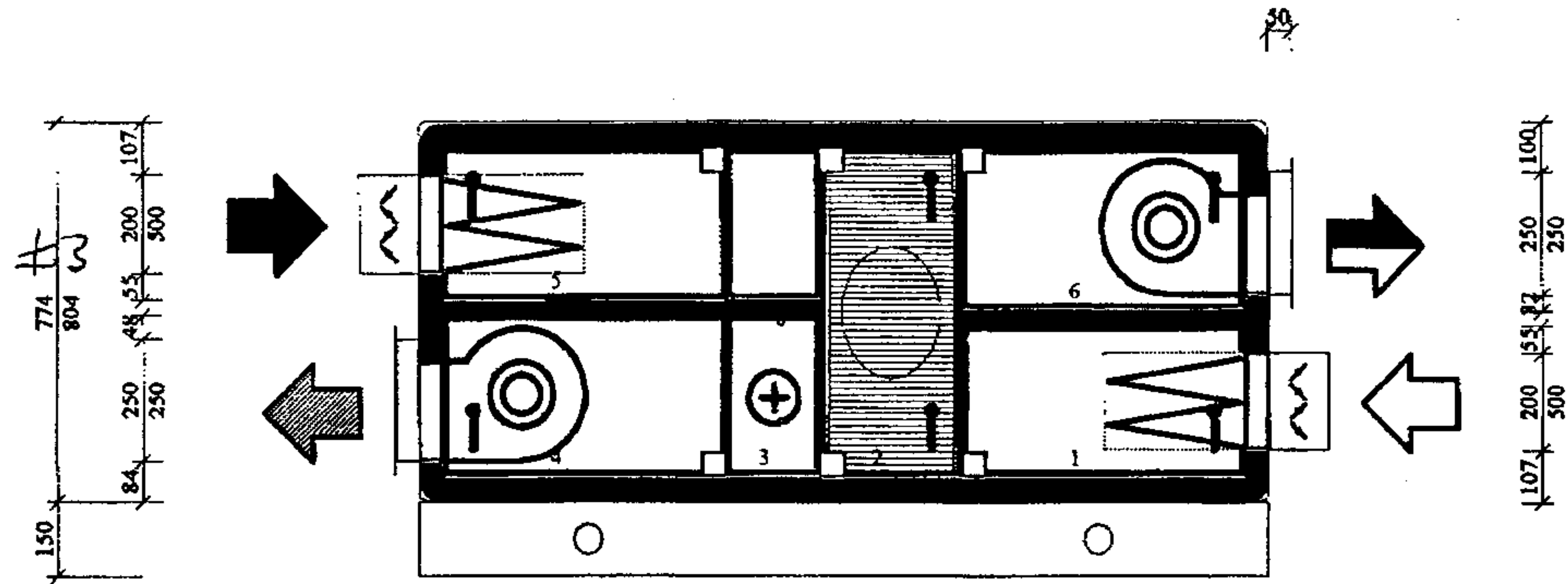
Supply air flow	0.50 m³/s	Exhaust air flow	0.50 m³/s
Ext. static pressure	250 Pa	Ext. static pressure	250 Pa
Size	2		
Voltage	3*400 V, 50 Hz	Weight	335 kg
SFP _v	2.95 kW/m³/s		

SUMMARY

Functional sections in direction of airflow	v0 (m/s)	Et (%)	tw (°C)	ts (°C)	dP (Pa)
Supply:					
Damper	3.3				4
Bag filter	2.8				141
Heat exchanger	2.7	75.7	-4.0 / 15.7		116
Air heater	2.2		-4.0 / 25.0		45
Fan		58.4			648
Exhaust:					
Damper	3.3				4
Bag filter	2.8				141
Heat exchanger	2.8		22.0 / 4.2		121
Fan		58.6			610

Sound power levels (standard: AMCA 300-85 fig. 3)

	Lw per octave band (dB)								LwA
Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	dB (A)
Fresh air duct	72	70	69	68	66	65	57	44	71
Supply air duct	83	79	78	76	76	75	73	70	82
Extract air duct	73	71	71	70	68	68	61	51	74
Exhaust air duct	83	79	78	76	76	75	73	70	82
To surroundings	69	70	61	53	55	56	51	43	62



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Ver 5.06.05

Date	20/12/2004	
Our ref.	PM/Q96018A00	
Project ID	Q96018A00	
Project	The Palestinian Centre London	
Unit	AHU 4	
Supply	EC-01	0.30 m³/s
Exhaust	EC-01	0.30 m³/s

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FläktWoods



EC 2000 COMPACT UNIT

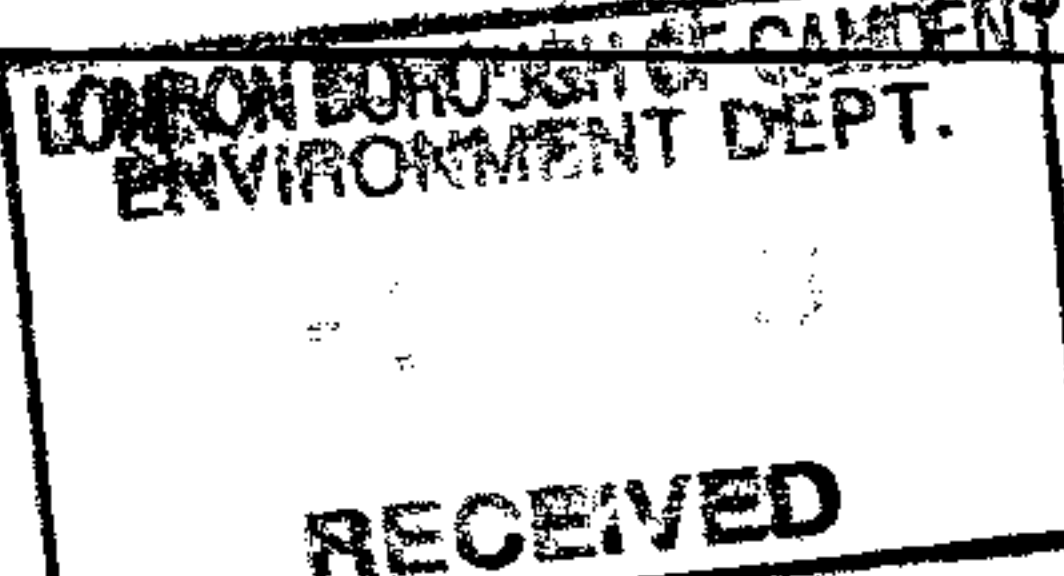
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20/12/2004

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 Customer EDP
 Customer ref. Peter Reeve
 Our ref. PM/Q96018A00
 Unit AHU 4



Supply air flow	0.30	m³/s	Exhaust air flow	0.30	m³/s
Ext. static pressure	250	Pa	Ext. static pressure	250	Pa
Size	1				
Voltage	3*400 V, 50	Hz	Weight	287	kg
SFP _v	2.60	kW/m³/s			

SUMMARY

Functional sections in direction of airflow	v0 (m/s)	Et (%)	tw (°C)	ts (°C)	dP (Pa)
Supply:					
Damper	3.0				4
Bag filter	1.7				94
Heat exchanger	2.2	77.0	-4.0 / 16.0		97
Air heater	2.0		-4.0 / 24.9		18
Fan		56.8			521
Exhaust:					
Damper	3.0				4
Bag filter	1.7				94
Heat exchanger	2.3		22.0 / 3.9		101
Fan		56.8			510

Sound power levels

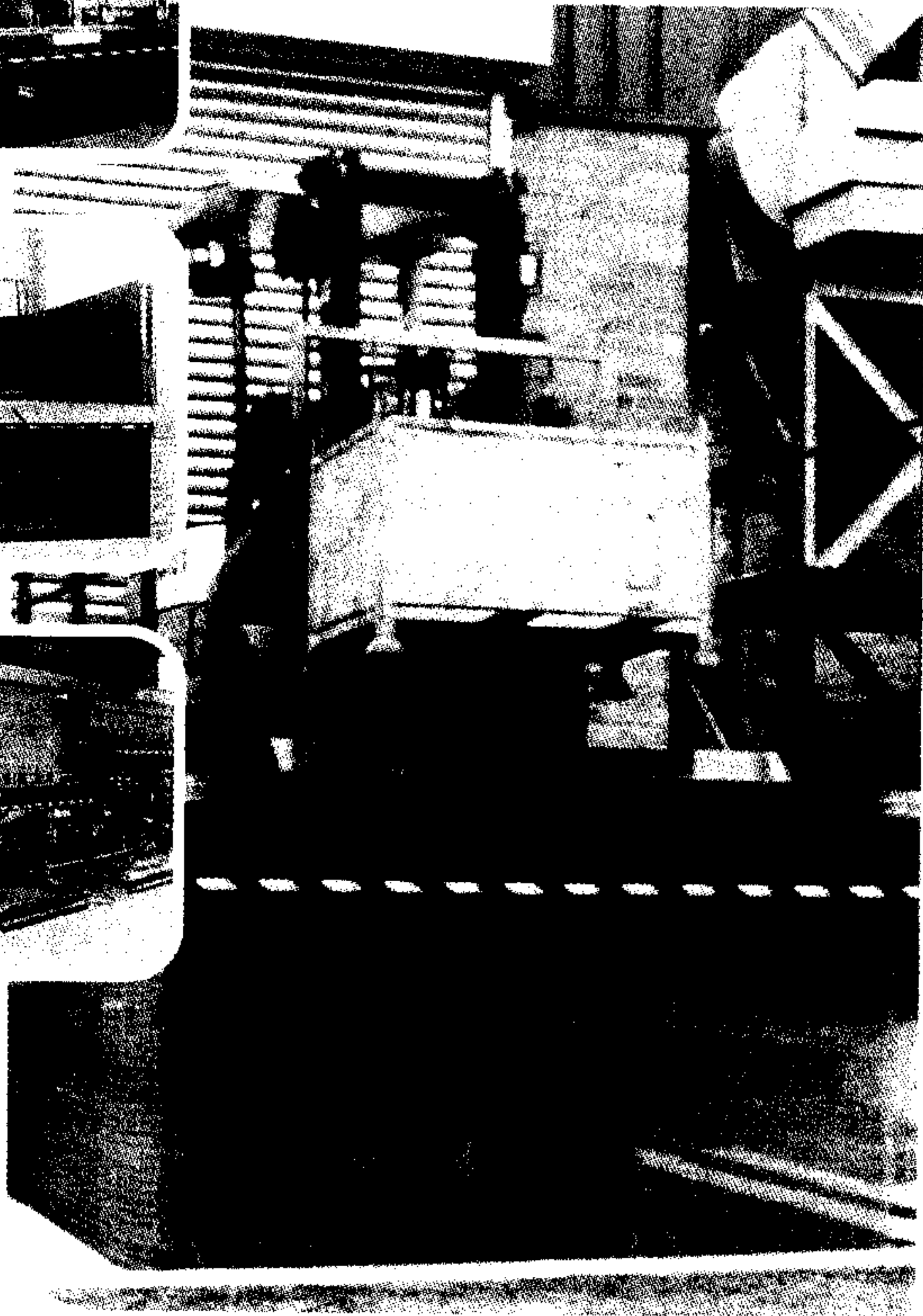
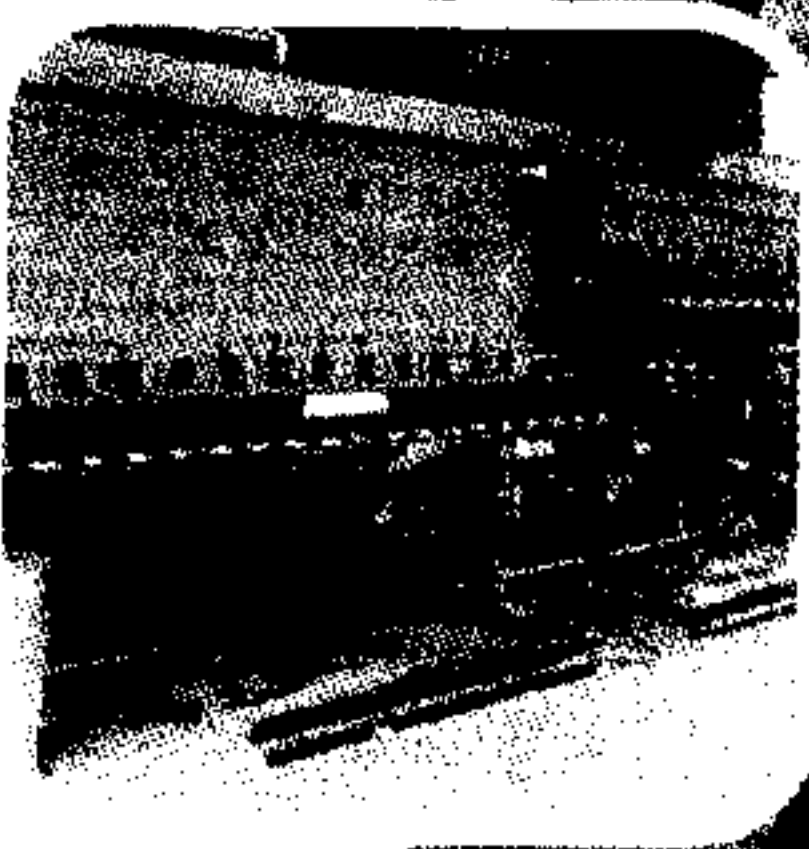
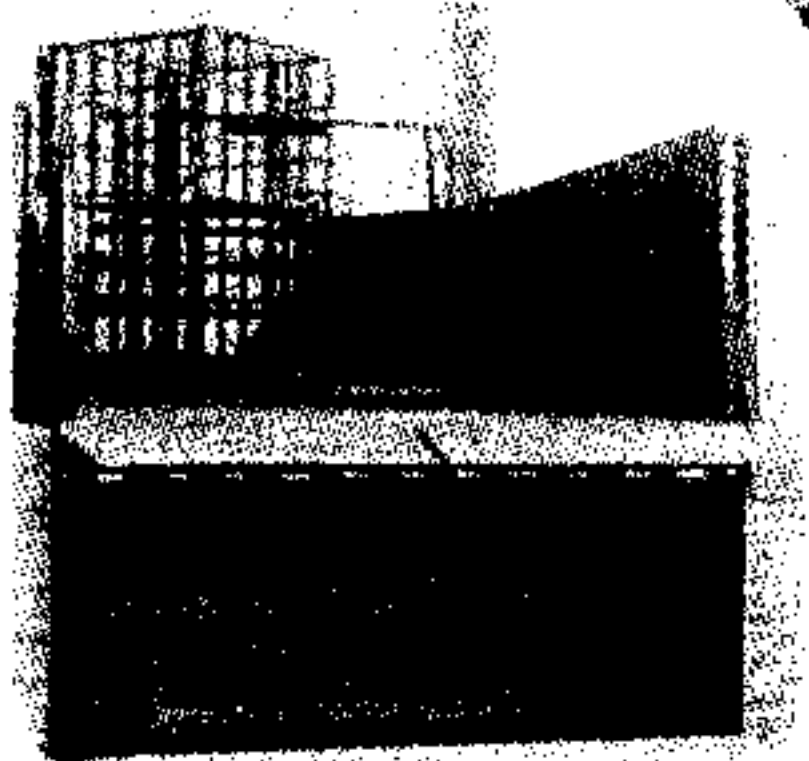
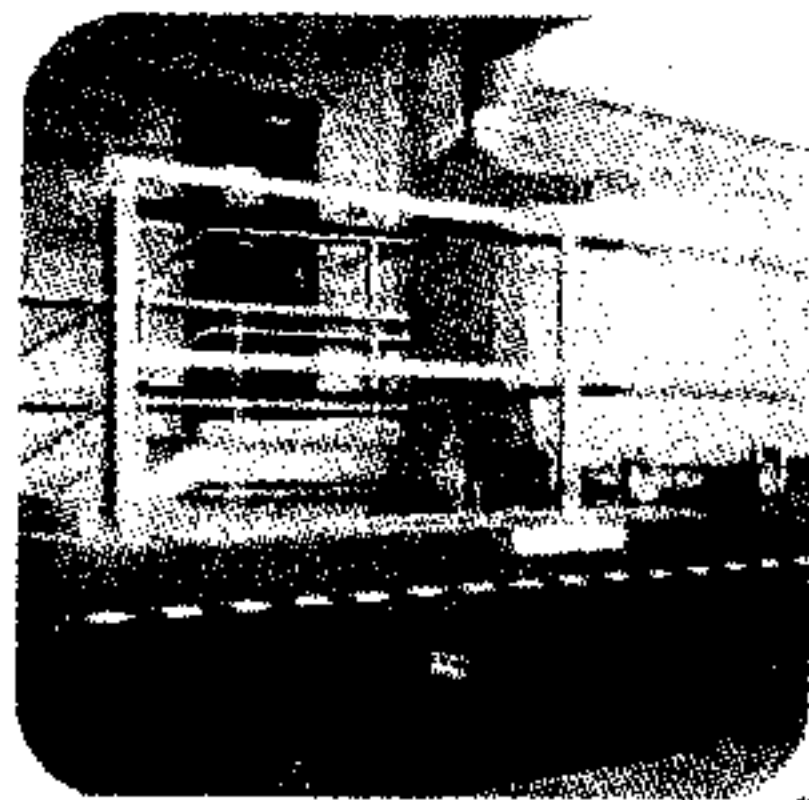
(standard: AMCA 300-85 fig. 3)

Frequency (Hz)	Lw per octave band (dB)								LwA
	63	125	250	500	1k	2k	4k	8k	dB (A)
Fresh air duct	69	67	66	65	63	62	54	41	68
Supply air duct	80	76	75	73	73	72	70	67	79
Extract air duct	70	68	68	67	65	65	58	48	71
Exhaust air duct	80	76	75	73	73	72	70	67	79
To surroundings	66	67	58	50	52	53	48	40	59

ster[®]til stokvis

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STOKLIFT



LONDON BOOTH LIFT
ENVIRONMENTAL
RESEARCH

Lift Tables

LIFT TABLES

Stoklift Lift Tables

Stoklift tables are built to combine outstanding performance with long, dependable service. When equipped with the appropriate Stoklift options, lifts from the standard ranges will meet the great majority of industrial applications. Powered lifting can often cut manning levels and eliminate human fatigue. For example, Stoklift tables are widely used to load and unload goods vehicles, allowing one man to handle heavy loads on a pallet or hand truck.

Stoklift lift tables can also improve production line efficiency by bringing work to a convenient height. Another common application is machine feeding: if a stack of materials is placed on a lift table, it is possible to keep the top of the stack at a constant working height by raising the lift as the stack diminishes.

In addition to the standard lift table ranges shown in this brochure, Stertil Stokvis will supply special-purpose lifts offering greater capacity, or with different dimensions to suit your application.

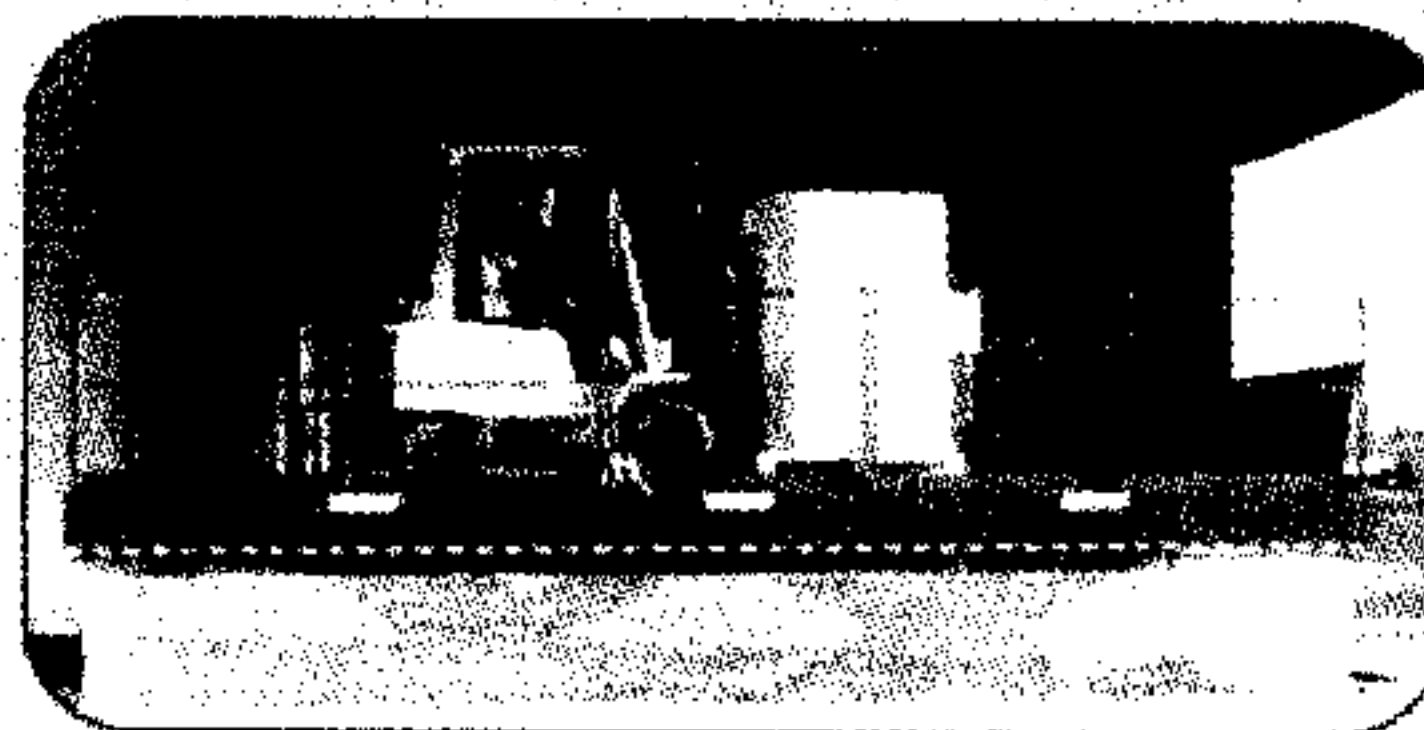
The low 'lifetime cost' of Stoklift tables is due to three factors: rugged, low maintenance design and construction which give lasting and reliable performance; fast and accurate mechanical action which speeds up work flow, and advanced safety features which minimise accident hazards. All Stoklift tables meet the recommendations as set out in the European Standard EN 1570:1999.

2 YEAR GUARANTEE

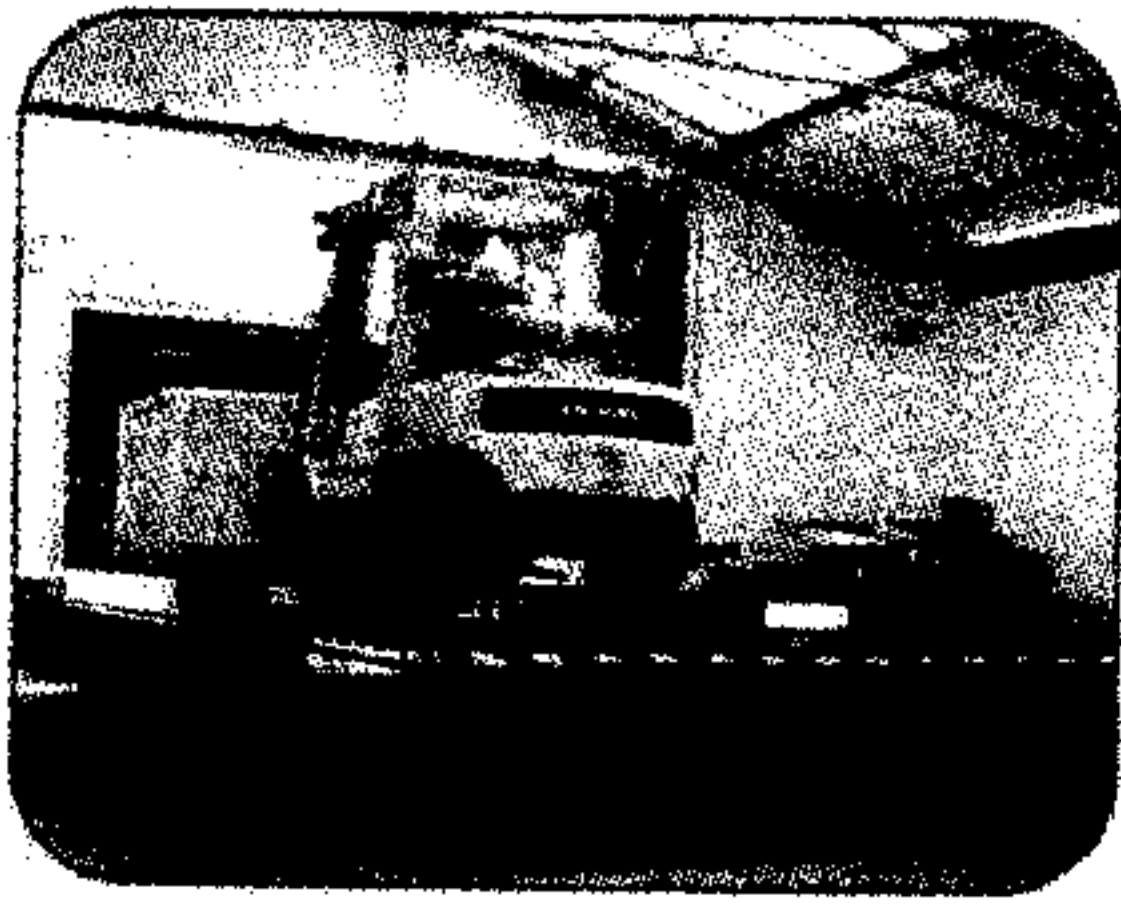


Stoklift Tables Features

- Platforms are strengthened by deep side-skirts and structural members which minimise distortion when the load is off-centre.
- Scissor legs are profiled to match stress loading lines.
- Rigid steel base frames are of generous dimensions, to give maximum stability.
- Hydraulic cylinders are mounted between the scissor legs to prevent base frame distortion. Pivoting universal cylinder mounts eliminate wear due to side thrust on bushes and seals when the lift is operated with an offset load. Each cylinder is manufactured to a high standard: the bore is internally honed and the heavy duty precision ground piston has a chromed rod.
- Hydraulic power packs, normally mounted on the base frame, can be fitted externally in a remote position (where the lift is in a sunken pit, this can provide easier access to eliminate the risk of submersion in flood water). Hydraulic units are extremely quiet and reliable, and are fitted with an automatic pressure relief valve and a flow control valve which governs the lowering speed. Where a fast lifting action is required, a larger hydraulic unit can be supplied.



- Control systems are protected by a weatherproof box which can be mounted either on or off the lift. Foot controls and automatic level-finding controls are also available. All control systems operate at 24v AC for safe operation.
- Limit of travel is governed by an adjustable top limit switch. As an additional protection, the hydraulic cylinders are fitted with mechanical over-run stops.
- The standard electrical supply required is 400v 3-phase 50Hz or 230v single phase units are available to order.
- A durable finish is needed to withstand an outdoor environment. All Stoklift tables are shot blasted, degreased and primed then finished in a standard exterior quality paint (Blue RAL 5020). Other colours are available to order.



Maintenance

Stoklift tables require minimal routine maintenance apart from a periodical oil-level check in the hydraulic unit. There is full provision for maintenance access. A removable panel in the platform top allows easy access to the hydraulic assembly from above when the platform is in the closed position. This allows for the required periodic Health & Safety maintenance checks.

Hinged maintenance struts secure the lift in the raised position, even when it is fully loaded.

Safety

Safety features on Stoklift tables meet or exceed the European Standards.

- Integral pipe-break valves are fitted to each cylinder to give a slow controlled descent in the event of hydraulic failure.
- The platform skirt is fitted with a safety edge all round.

If this edge comes into contact with anything as the lift descends, limit switches are activated and the lift immediately stops.

- Controls are fitted with 'dead man' push-button.
- Safety rails and toe boards are available for applications where these safety precautions are needed (see 'Options').
- Non Slip Finish

Stertil Stokvis Options

Below is a summary of some of the features that are considered when our Technical Sales Department processes an enquiry.

Controls

- Two button 'dead man' raise / lower.
- Three button 'dead man' raise / lower plus emergency stop.
- Pendant type two button box.
- Remote emergency stop.
- Handrail mounted push buttons, including remote emergency stop.
- Foot switches including guard and 2M shielded cable.
- Auto level system with limit switch sensor for feeding.
- Photo electric level control for feeding.
- Special control system, battery back-up, charger, alarm etc.
- Flameproof.

Protection

- Bellows.
- Roller blind.
- Wire mesh skirts.
- Solid skirts.

Platform Additions

- Plate wheel stop for light trolleys.
- Bar wheel stop for hand pallet trucks and cage pallets.
- Hydraulic wheel stops for Forklift Trucks.
- Duralumin bridging flaps.
- Hydraulic steel bridging flaps.

- Gas strut assisted bridging flaps.
- Industrial 1.1M handrails.
- Architectural style handrail.
- Steel sheet cladding.
- Gate with electric interlock.
- Gate with electro-mechanical interlock.
- Lift bar + electric interlock.
- Reinforced platforms + pit props (10t axle and 5t wheel load).
- Non slip Durbar platform.
- Non slip grey paint surface.
- Zinc flame spray primer.
- 2-pack paint systems available.

Accessories

- Turntable.
- Mechanical 90° stops.
- Electrical interlock.
- Corner infills for round turntables.
- Floor ramps.
- Tilt tables.
- Conveyors.
- Ball tables.

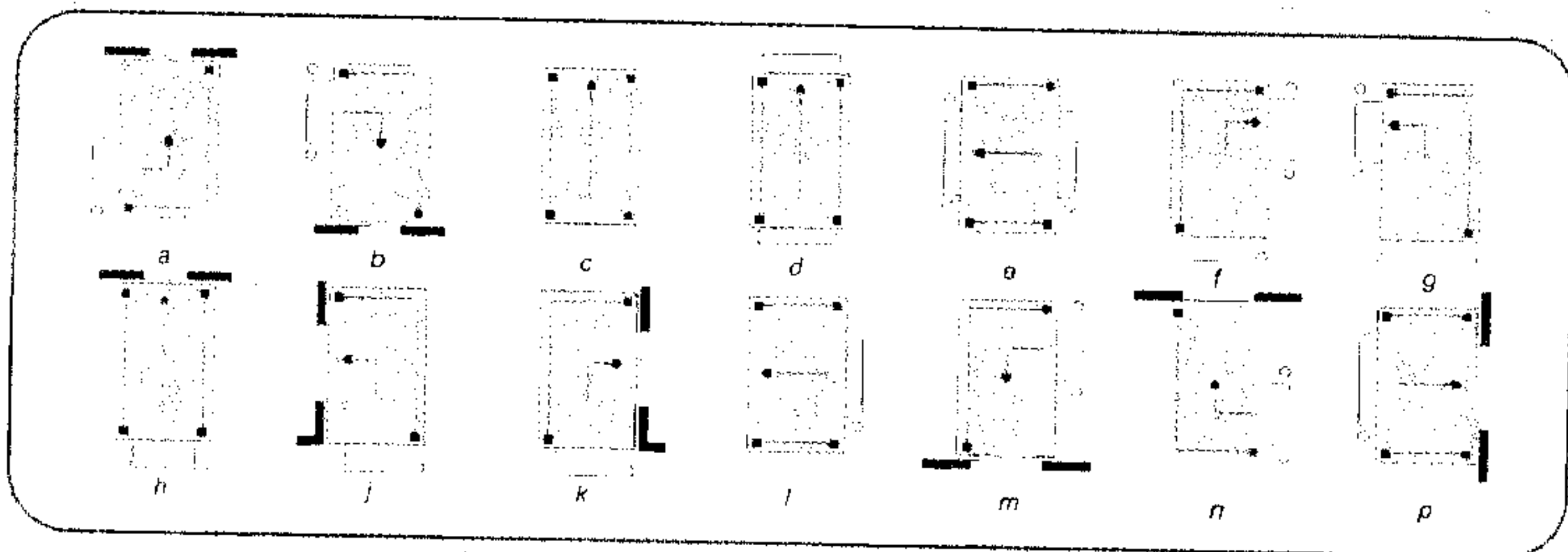
Hydraulic Equipment

- Remote power pack.
- Louvred cover for remote units.
- Larger power packs.
- Extra positive check valve.
- 230 volt single phase motor.
- 400 volt 3-phase motor.
- 110 volt single phase operation.

Mobile Equipment

- Euro-lifts two fixed, two swivel castors, truck lock, removable push bar.
- Console type.
- Sub-frame type.
- Rail mounted.
- Powered traverse

TRAFFIC FLOW

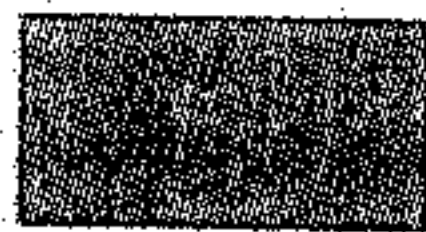


Choosing a lift table for Cross-Flow Traffic

In accordance with the British and European Standards the nominal rated capacity of the Stoklift tables refer to loads uniformly distributed over the whole area of the working platform. When loads are off-centre, and particularly when they are carried to one side of the platform, the weight is born unevenly by the supporting mechanism, and in these conditions the maximum safe load must be reduced. The lift should be capable of carrying at least half the safe working load over half the platform length and at least one third of the safe working load over half the platform width.

Cross-traffic flow with the lift in the raised position can produce the extreme case in which the entire load is carried on the very edge of the lift, so it is important to take this into account when specifying lift capacity. For example if a load of one tonne is placed at one end of the lift, the nominal rated capacity of the lift should be at least 2 tonnes. If the same load is to be placed on one side of the lift, the nominal rated capacity should be at least 3 tonnes. Additional structural reinforcement can be made to accommodate over capacity roll-over loads.

Example: 3 Ton Stoklift/Compliance with British and European Standards



3 Ton U.D.L.
Overall



1½ Ton/Over
half the length



1 Ton/Over
half the width

NOTE: Capacity is dependant on transfer arrangements to meet health and safety requirements. Consult Steril Stokvis for further advice if required.

Loaded areas

TYPICAL STOKLIFT RANGE

E RANGE STOKLIFT LIFT TABLES - 1 TO 3 TONNES

MODEL TYPE	LOAD CAPACITY DISTRIBUTED Kg	CLOSED HEIGHT mm	STROKE mm	TOTAL HEIGHT mm	APPROX. LIFTING TIME - SECONDS	MAX POWER kW	STANDARD PLATFORM L x W mm
E-10-8	1000	225	800	1025	14	1.5	1250 x 650 / 1250 x 750 / 1250 x 1000
E-10-10	1000	225	1000	1225	17	1.5	1500 x 650 / 1500 x 750 / <u>1500 x 1000</u>
E-10-13	1000	280	1300	1580	22	1.5	2000 x 750 / 2000 x 1000 / 2000 x 1250
E-10-16	1000	310	1600	1910	29	1.5	2500 x 750 / 2500 x 1000 / 2500 x 1250
E-20-8	2000	225	800	1025	27	1.5	1250 x 650 / 1250 x 750 / 1250 x 1000
E-20-10	2000	225	1000	1225	32	1.5	1500 x 650 / 1500 x 750 / 1500 x 1000
E-20-13	2000	285	1300	1585	18	3.0	2000 x 750 / 2000 x 1000 / 2000 x 1250 / 2000 x 1500
E-20-16	2000	315	1600	1915	23	3.0	2500 x 750 / 2500 x 1000 / 2500 x 1250 / 2500 x 1500
E-30-16	3000	360	1600	1960	32	3.0	2500 x 1000 / 2500 x 1250 / 2500 x 1500 / 3000 x 1500

D RANGE STOKLIFT LIFT TABLES - 5 TO 8 TONNES

MODEL TYPE	LOAD CAPACITY DISTRIBUTED Kg	CLOSED HEIGHT mm	STROKE mm	TOTAL HEIGHT mm	APPROX. LIFTING TIME - SECONDS	MAX POWER kW	STANDARD PLATFORM L x W mm
D-50-16	5000	345	1600	1945	53*	3.2	2500 x 1250 / 3000 x 1500 / 3000 x 1500
D-80-16	8000	500	1600	2100	53*	4.4	3000 x 1500 / 3000 x 2000

Lifting times* on Stoklift D lifts can be reduced by fitting larger power packs.
Lift tables for heavier loads or greater travel heights are available to order.

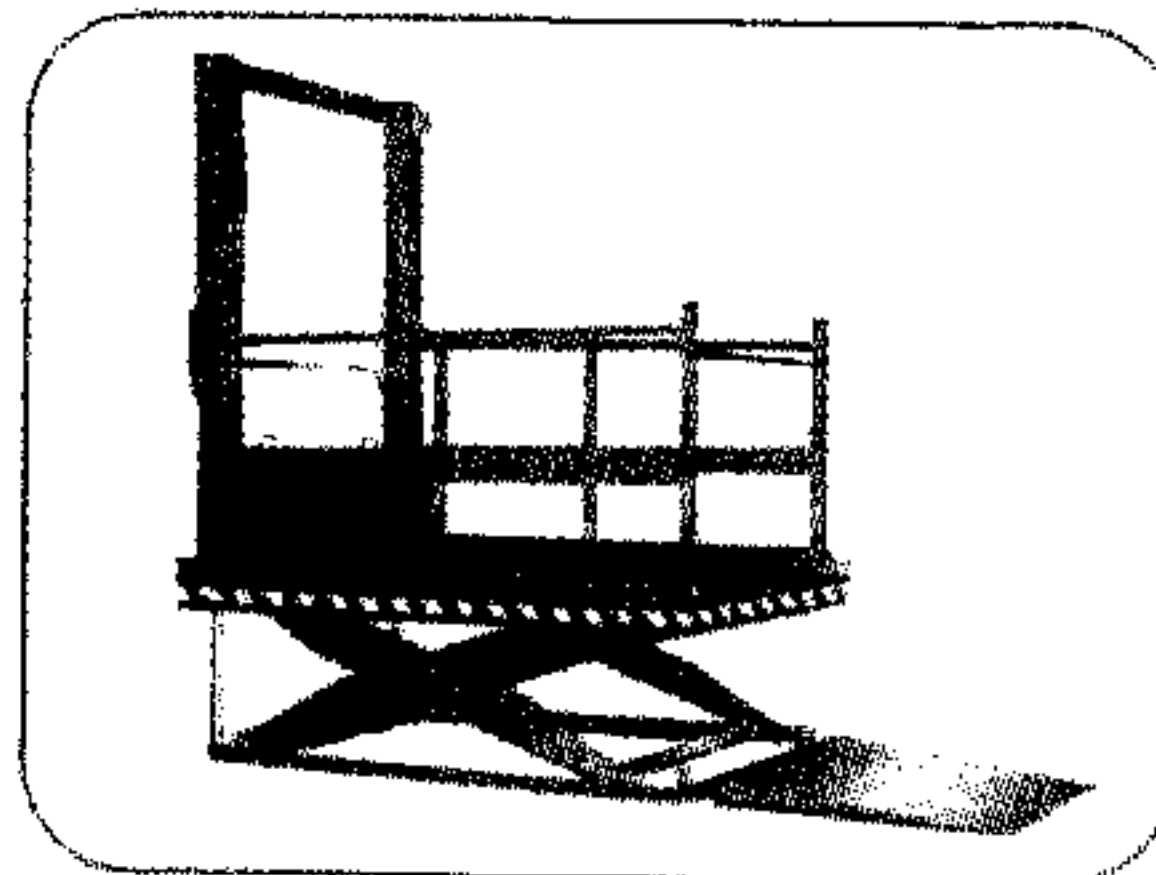
Stoklift B Series Lift

The B Series lift is designed for vehicle loading and similar applications. It is a self-contained unit requiring no pit. A power supply is required (see spec).

It is suitable for loads up to 4 tonnes, and is supplied complete with 1.1 metre high side rails and 150mm toe boards along two sides.

The hydraulic unit (motor, pump and tank within a steel protective casing) is mounted on the side of the platform, and it drives two vertical rams on the loading side of the lift. A simple up/down push-button control is mounted on the hand rail.

Like all other Stoklift tables, the B Series model meets stringent British and European Standards design and safety recommendations already referred to.



Specification

- * Clear platform top: Eight sizes up to 2500 x 2500mm.
- * Height closed: 120mm; raised 1620mm.
- * Electrical supply: 415v 3 phase (or 240v single phase to special order).
- * Chromed hydraulic rams.

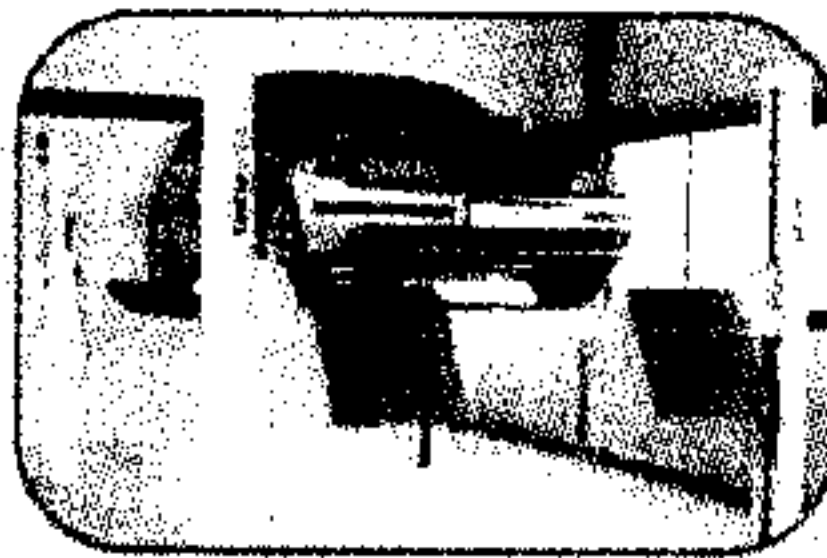
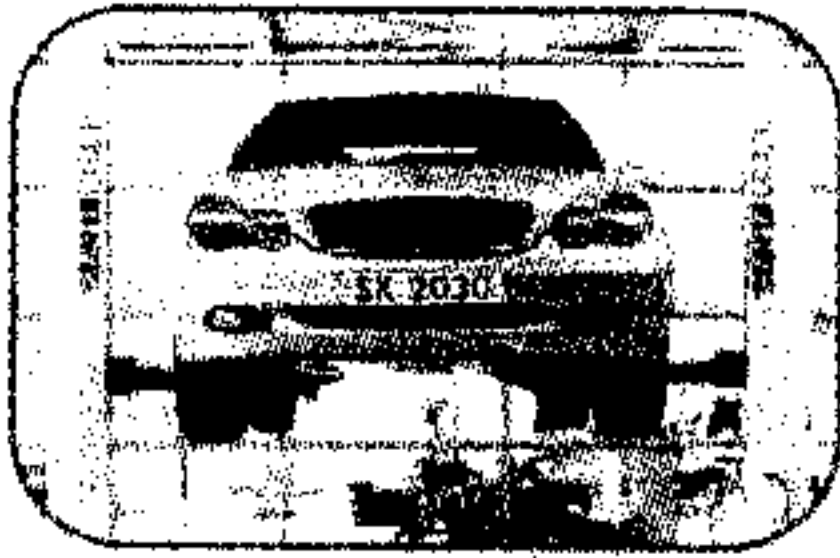
Optional Equipment:

- * 500mm hinged bridge plate with non-slip surface for bridging to vehicle decks
- * 1250mm fixed floor ramp with non-slip surface
- * Heavy duty tubular pivoting bar across ends of handrails.

FOR MORE INFORMATION CALL **0870 770 0471**

OTHER LIFT OPTIONS

Car Lifts



Truck Lifts



Mobile Column Lifts



Tow Tug Lifts



Train Lifts



Stertil UK Ltd

Stertil House, Unit A, Brackmills Business Park, Caswell Road, Northampton NN4 7PW

Tel: 0870 770 0471 Fax: 01604 765181 Email: info@stertiluk.com website: www.stertiluk.com

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LIFTING PRODUCTS

Electro Hydraulic Car Lifts
Electro Hydraulic Truck Lifts
Mobile Column Lifts

Ale^m

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