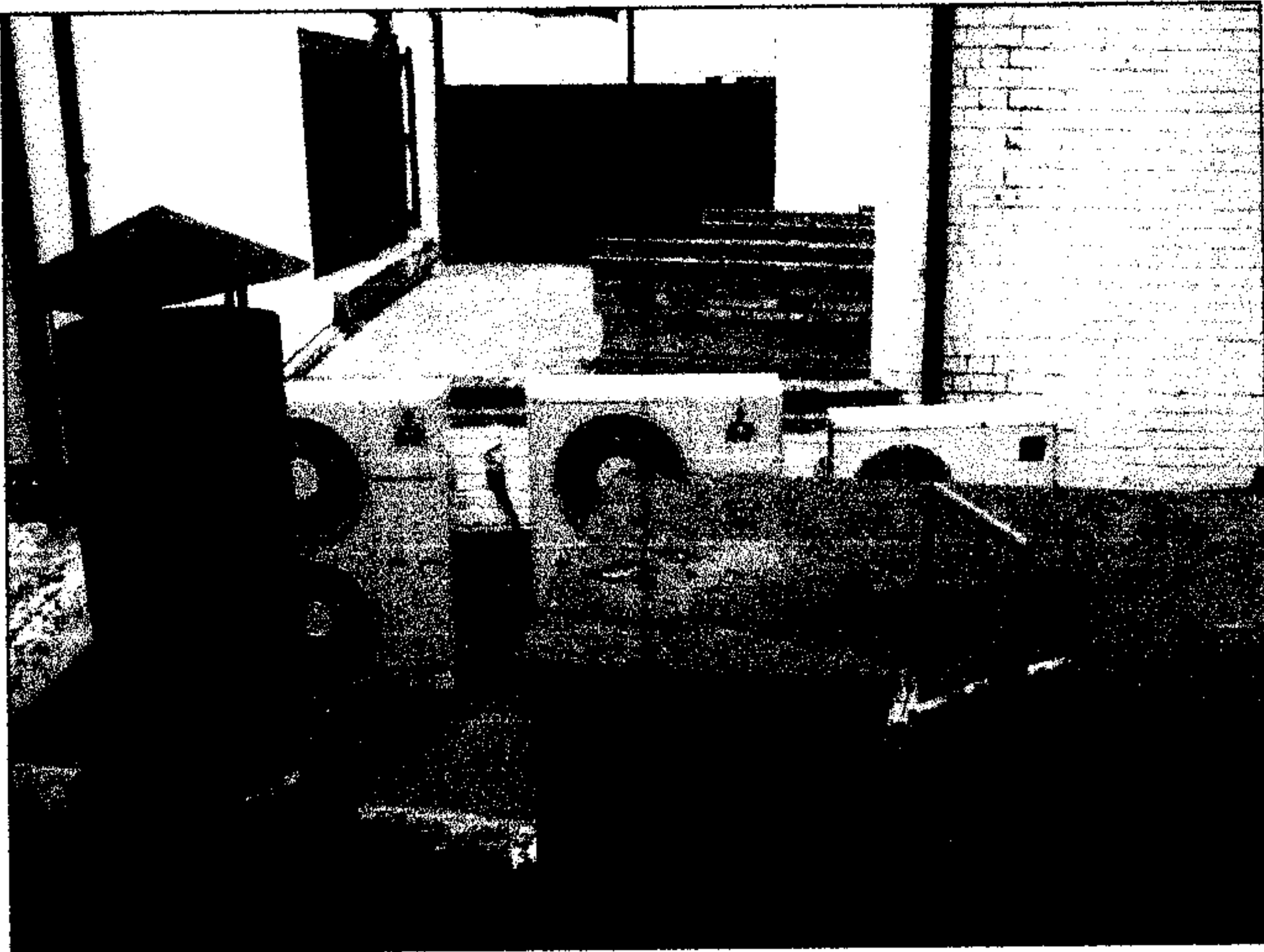


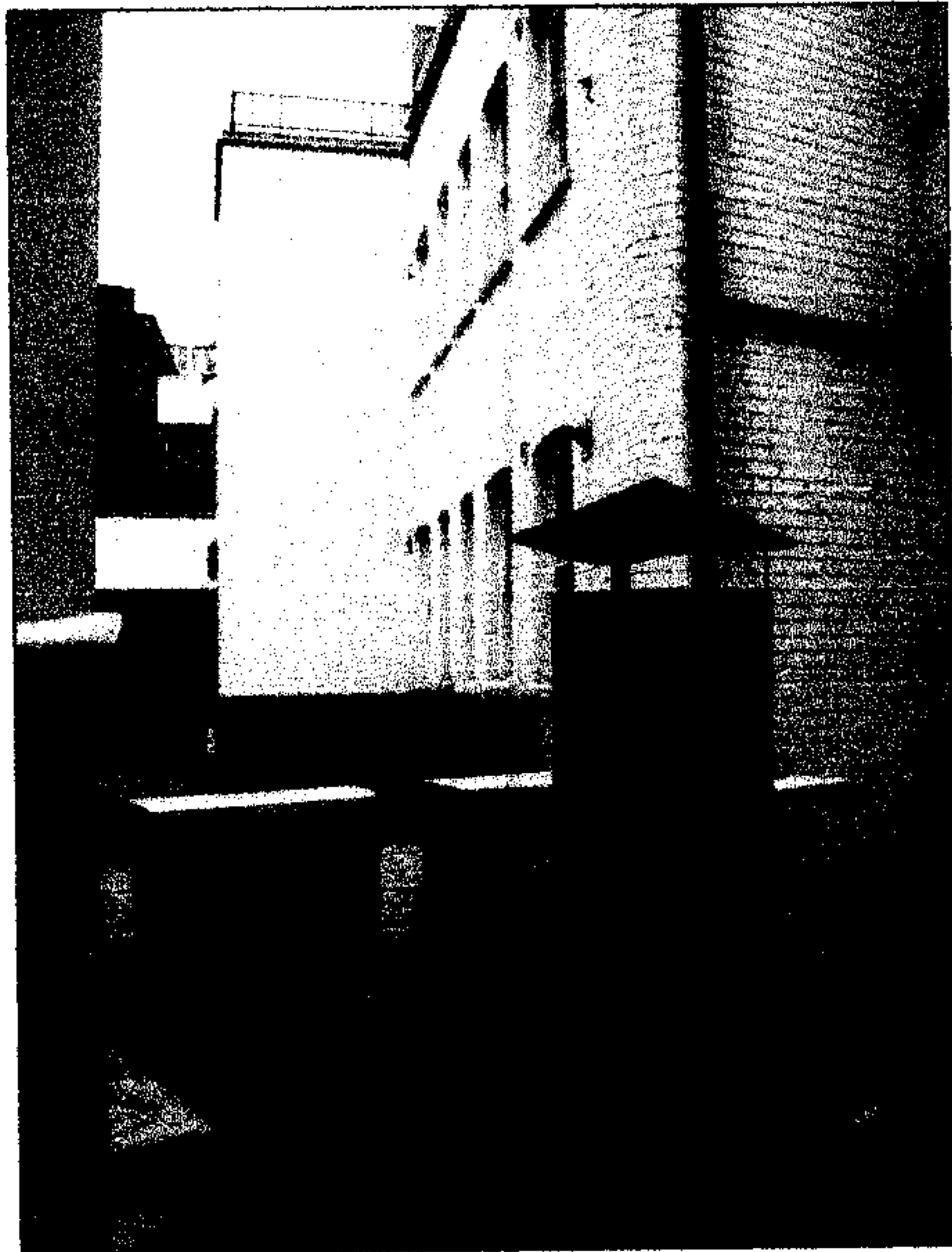
FSX0005121

Leaf 6/10

RMW 1



PT3/43/8



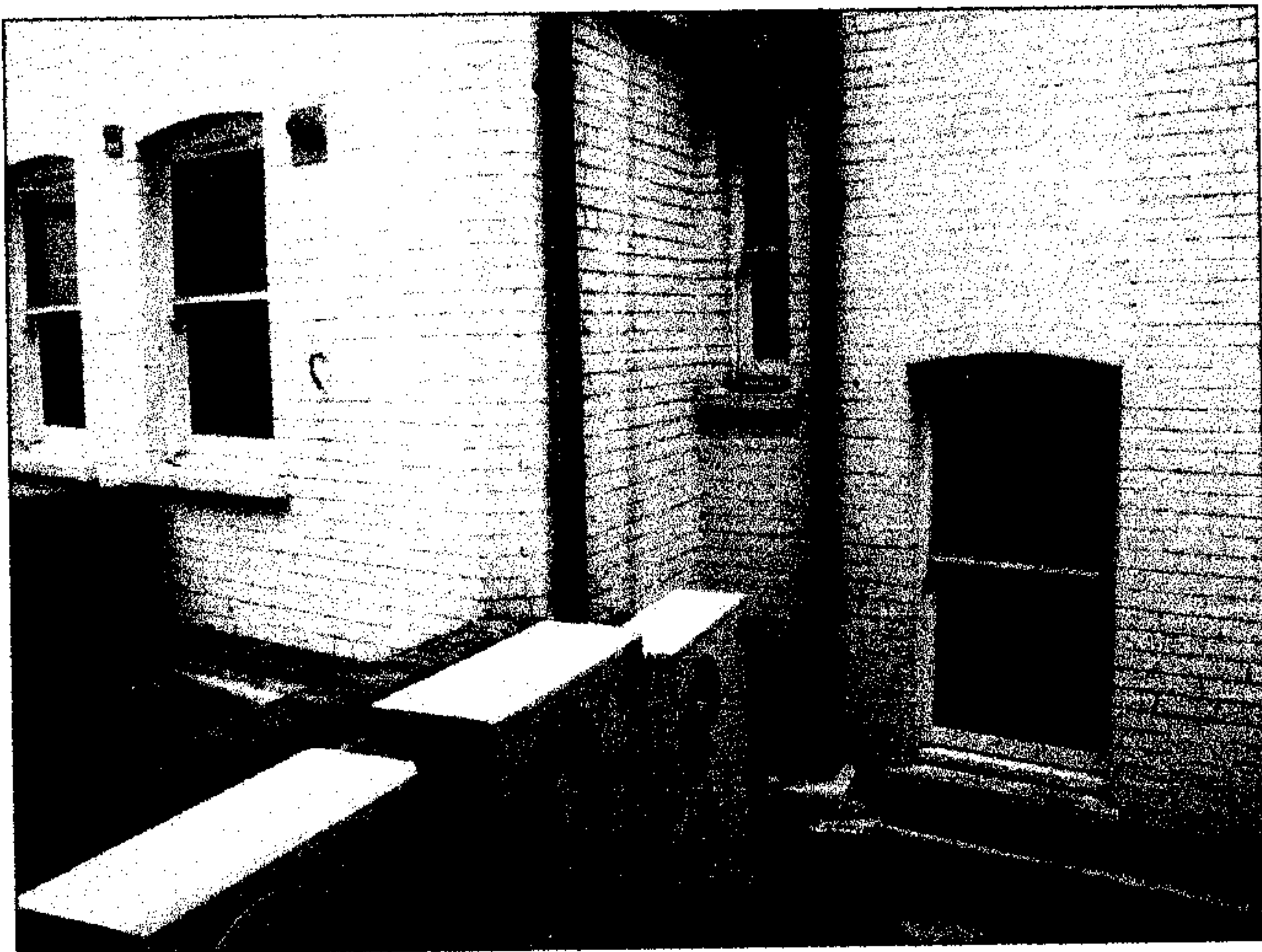
RMW 2

PSX0005121

floor 6/10

RMW 3

P13/43/B

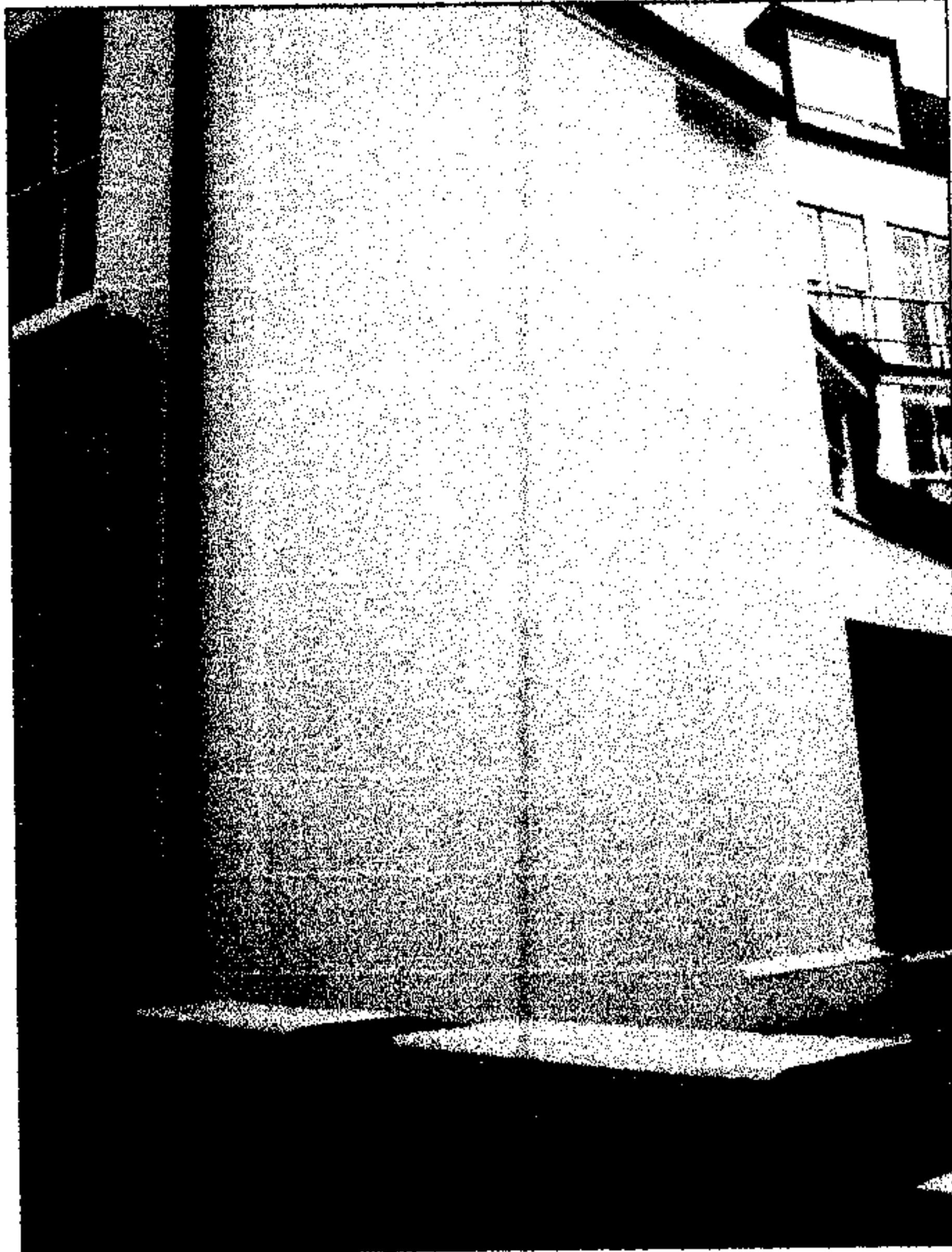


RMW 4

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Ked 6/10

RMW 5

P13/43/B

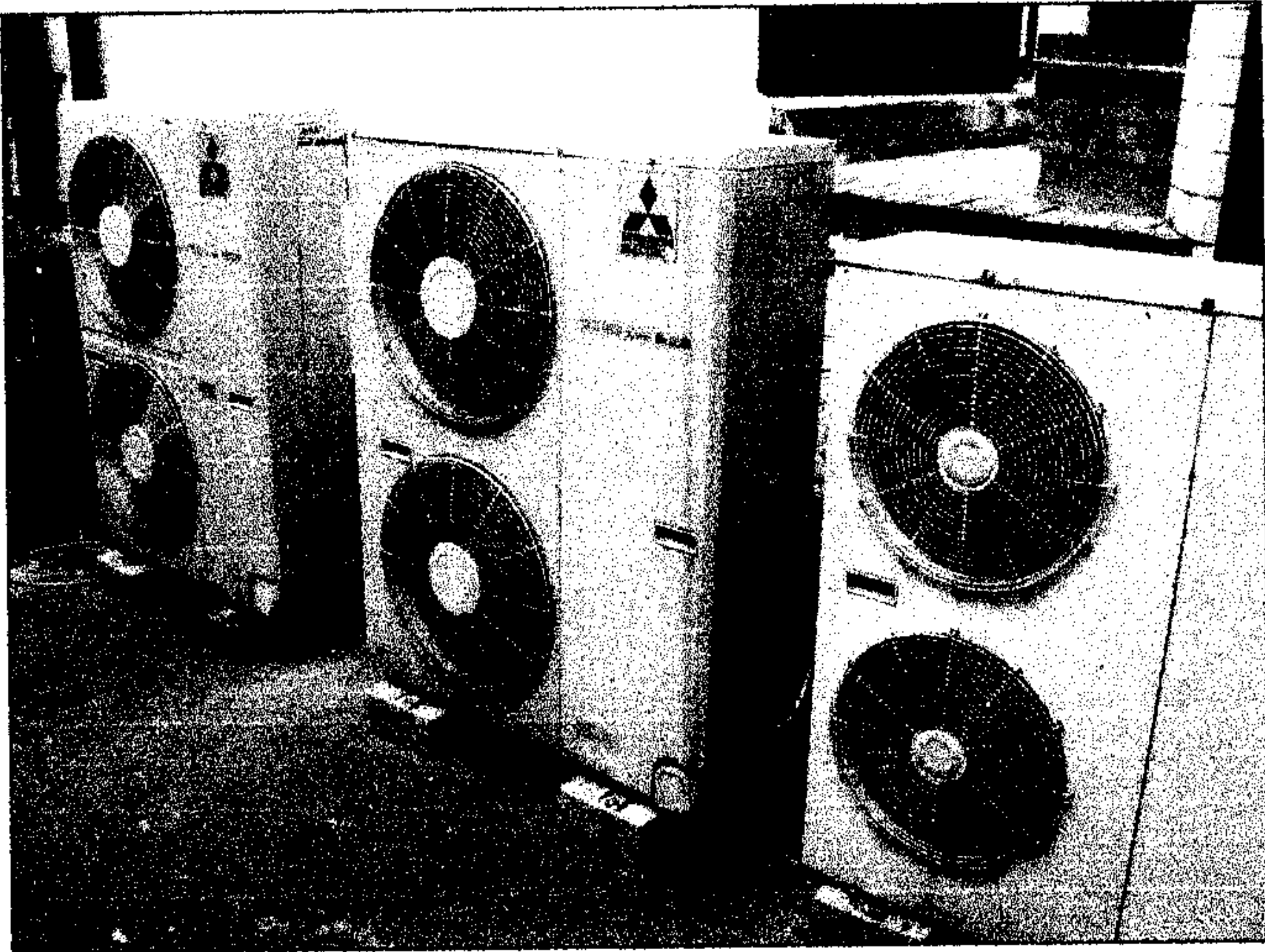


RMW 6

Y5X 000 5121

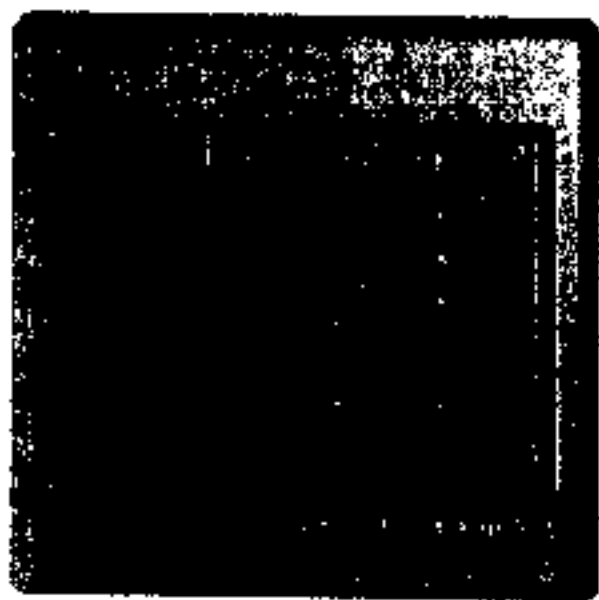
Loc # 6/10

RMW 7

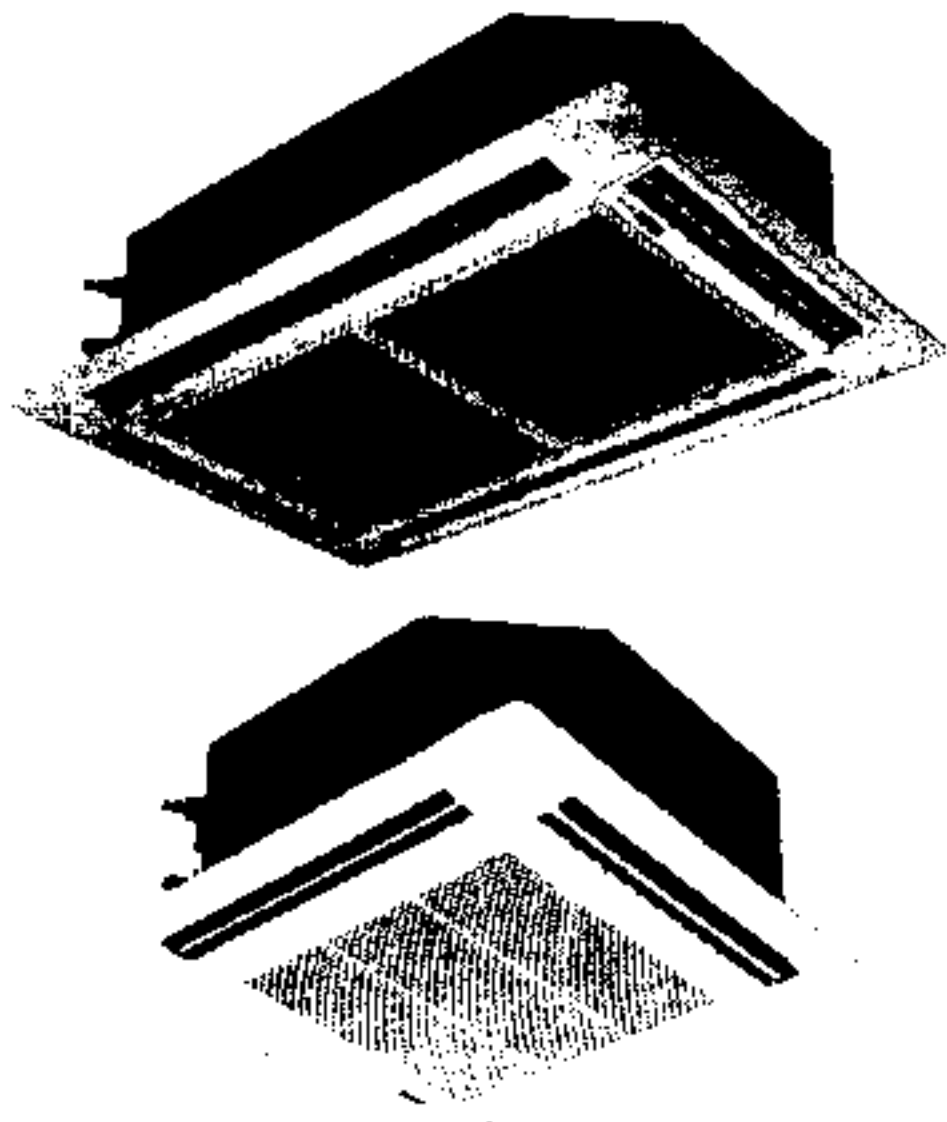


P13/43/B

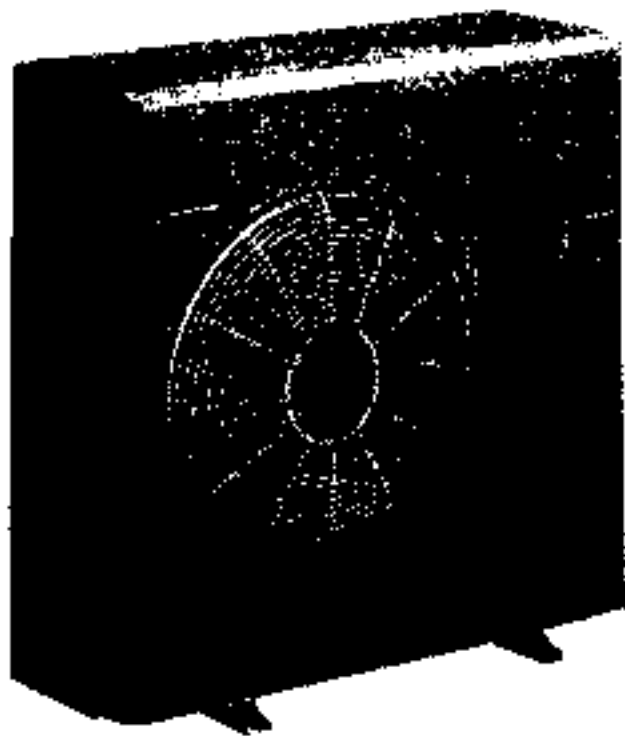
- Cassette unit for installation in standard suspended ceiling applications.
- Extremely quiet operation of both indoor and outdoor units.
- Airflow controllable for ceiling heights up to 3.8 m.
- Electronic fan speed control.
- 2-, 3- or 4-way airflow discharge.
- Quiet start-up cycle.
- Optional fresh air casement.
- Optional high efficiency filter.
- Factory charged with refrigerant.
- For twin and triple options refer to Data Sheet 2.9.



CONTROLLER



INDOOR UNITS



OUTDOOR UNIT (SIZE 3)



OUTDOOR UNIT (SIZES 4, 5 AND 6)

Product Specification

Performance Specification

Cooling: 5.2 kW up to 13.3 kW.
 Rating conditions: Indoor 27°C dry bulb, 19°C wet bulb. Outdoor 35°C dry bulb, 24°C wet bulb.
 Heating: 5.8 kW up to 15.7 kW
 Rating conditions: Indoor 20°C dry bulb, 15.5°C wet bulb. Outdoor 7°C dry bulb, 6°C wet bulb.

Mechanical Specification

Sizes: Cassette unit: Please refer to diagrams for details of dimensions.
 Grille height: 65 mm on all versions.
 Grille depth: 950 mm on all versions.
 Grille width: 950 mm (size 3); 1470 mm (sizes 4, 5 and 6).
 Total overall height within ceiling (grille plus unit): 298 mm.
Weights: Please refer to summary table.
Suspension of cassette unit: Suspension bolts or hooks to ceiling soffit (field supplied).
Finish: All visible surfaces are supplied with a matching pale grey/beige finish. Munsell colour reference 5Y 7/1.
Refrigerant type: R22. Charge up to 30 m, 3.2 kg (size 3), 4.2 kg (size 4), 5.4 kg (size 5) and 5 kg (size 6).
Pipe connections: Liquid 9.52 mm (3/8 inch); gas 15.88 mm (5/8 inch) (size 3) and liquid 9.52 mm (3/8 inch); gas 19.05 mm (3/4 inch) (sizes 4, 5 and 6). Flared indoor side and outdoor side.
Maximum pipe length: 50 m.
Maximum pipe height difference: 50 m.
Airflow adjustment: In conjunction with electronic fan speed control can be set for 2-, 3- or 4-way airflow.
Ceiling height: Suitable for up to 3.8 m.
Filter: Standard long life filter supplied. Clean during regular maintenance cycle. Optional high efficiency filter for indoor unit.
Fresh air casement: Optional for indoor unit – allows up to 20% fresh air without any increase in noise. Will conform to CIBSE recommendations.

Electrical Specification

Indoor Units
 Supply voltage and frequency: 240 v ± 10%, 50 Hz, single phase.
 Current:

Type	Starting Current (A)	Running Current (A)
PLH3GKHA	9.8	9.5
PLH4GKHSA	12.3	12
PLH5GKHSA	14	13.8
PLH6GKHSA	14	13.9

Note: Includes electric heater.
Electric Boost Heaters: Factory fitted. 2.1 kW (size 3), 2.6 kW (size 4) and 3 kW (sizes 5 and 6).
Capacity: Heating and cooling, please refer to summary table.
Total maximum input with boost heaters: 5.69 kW (size 3), 6.53 kW (size 4), 7.77 kW (size 5) and 8.09 kW (size 6).
Fans: 1 x turbo fan (direct) size 3 and 2 x turbo fans (direct) sizes 4, 5 and 6.
Electronic fan speed control: Quiet start-up cycle, 2-, 3- and 4-way discharge and high ceilings setting.
Heat exchanger: Plate fin coil.
Terminations: Screw terminals.

Outdoor Units
 Supply voltage and frequency:
 Types PUH3VK: 240 V ± 10%, 50 Hz, single phase.
 Types PUH3YK, PUH4YK, PUH5YK and PUH6YK2: 415 V ± 10%, 50 Hz, 3 phase.
 Current:

Type	Starting Current (A)	Running Current (A)
PUH3VKA	58	15.04
PUH3YKA	37	5.61
PUH4YKSA	40	5.7
PUH5YKSA	53	7.5
PUH6YKSA	58	9

Circuit protection: Includes anti phase and single phase protection; inner thermostat, HP switch. Field supply circuit breakers.
Terminations: Screw terminals.
Fan: 1 x direct (up to size 3); 2 x propeller direct (sizes 4, 5 and 6).
Rotary compressor: All sizes except size 5 and 6; these use a scroll compressor.
Electronic control: Learning defrost, fault finding diagnostics and low ambient fan speed control – allows cooling down to -5°C ambient.
Control Devices
K series: Autochanger between heating/cooling operation for year round comfort control.
Wall mounted unit: Hard wired with control of up to 50 indoor units with sequential start.
Control options: Programme timer, centralised remote control, time adaptor and remote indicator.

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Order Guide and Summary Data

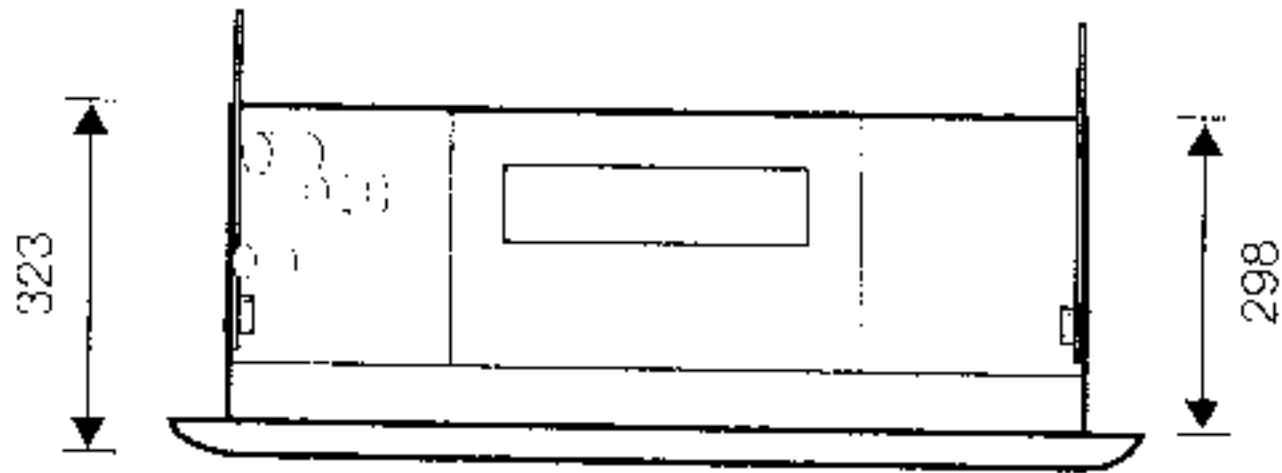
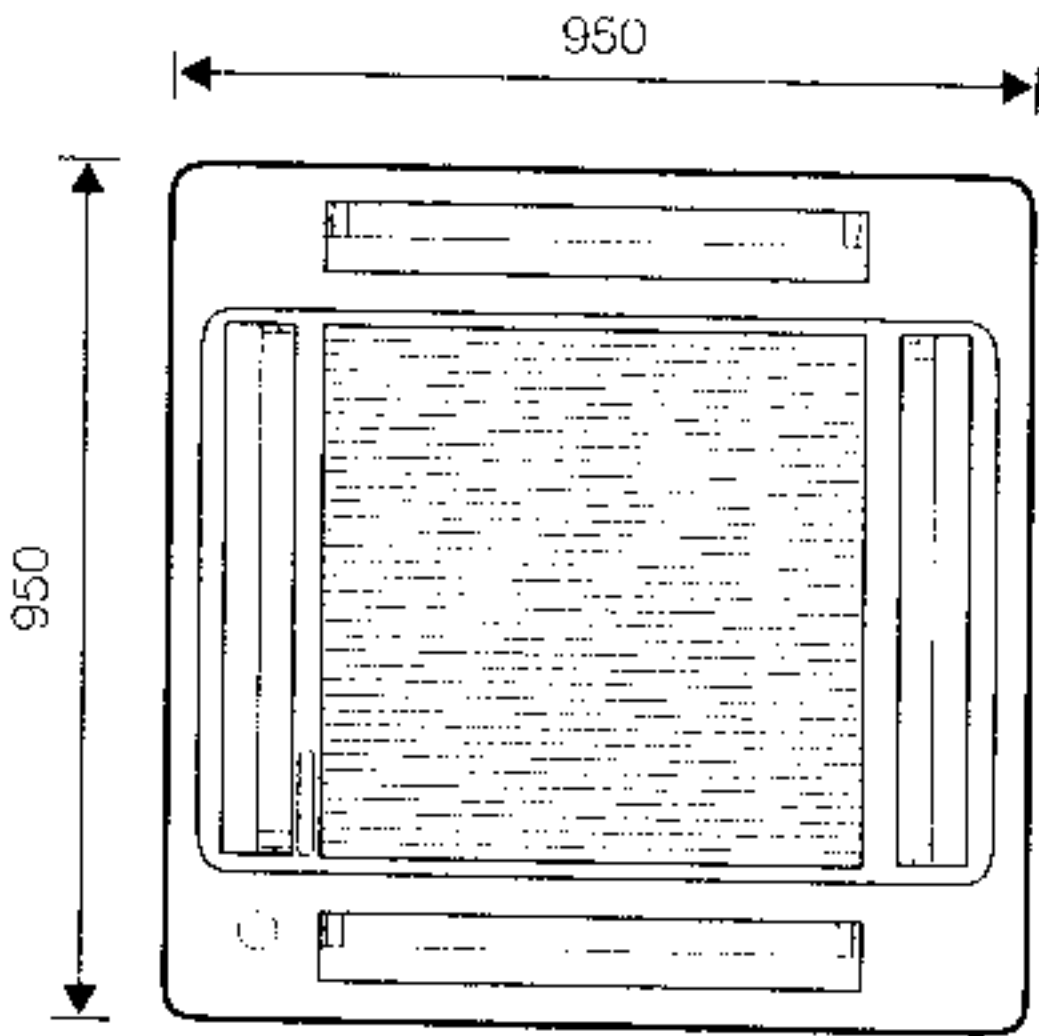
Cat No.	Description	Summary Data						
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Indoor Units

Suitable for recessed installation in suspended ceilings with option of 3-way or 4-way flow.

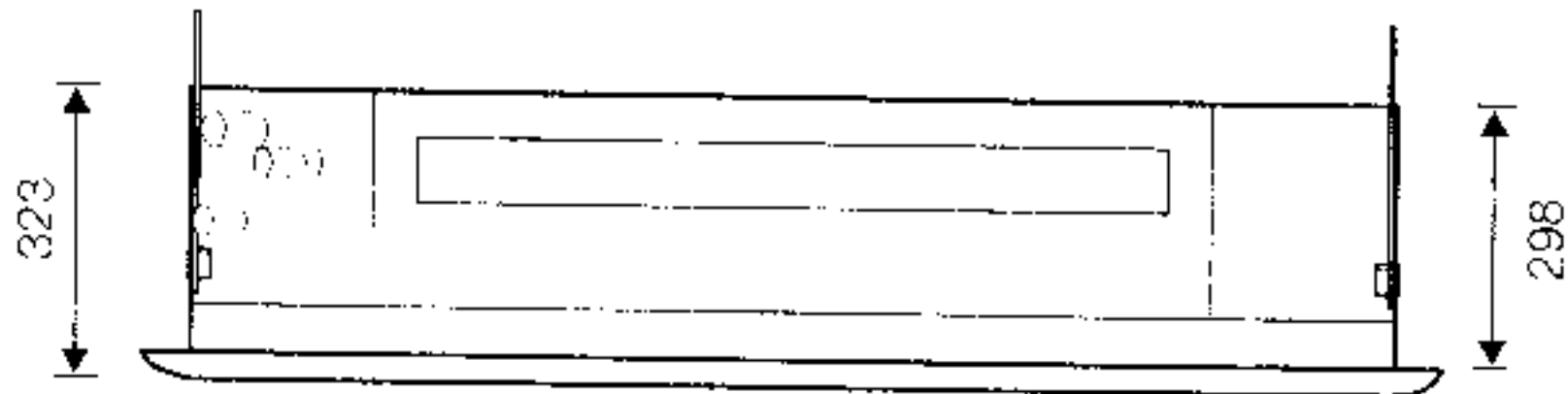
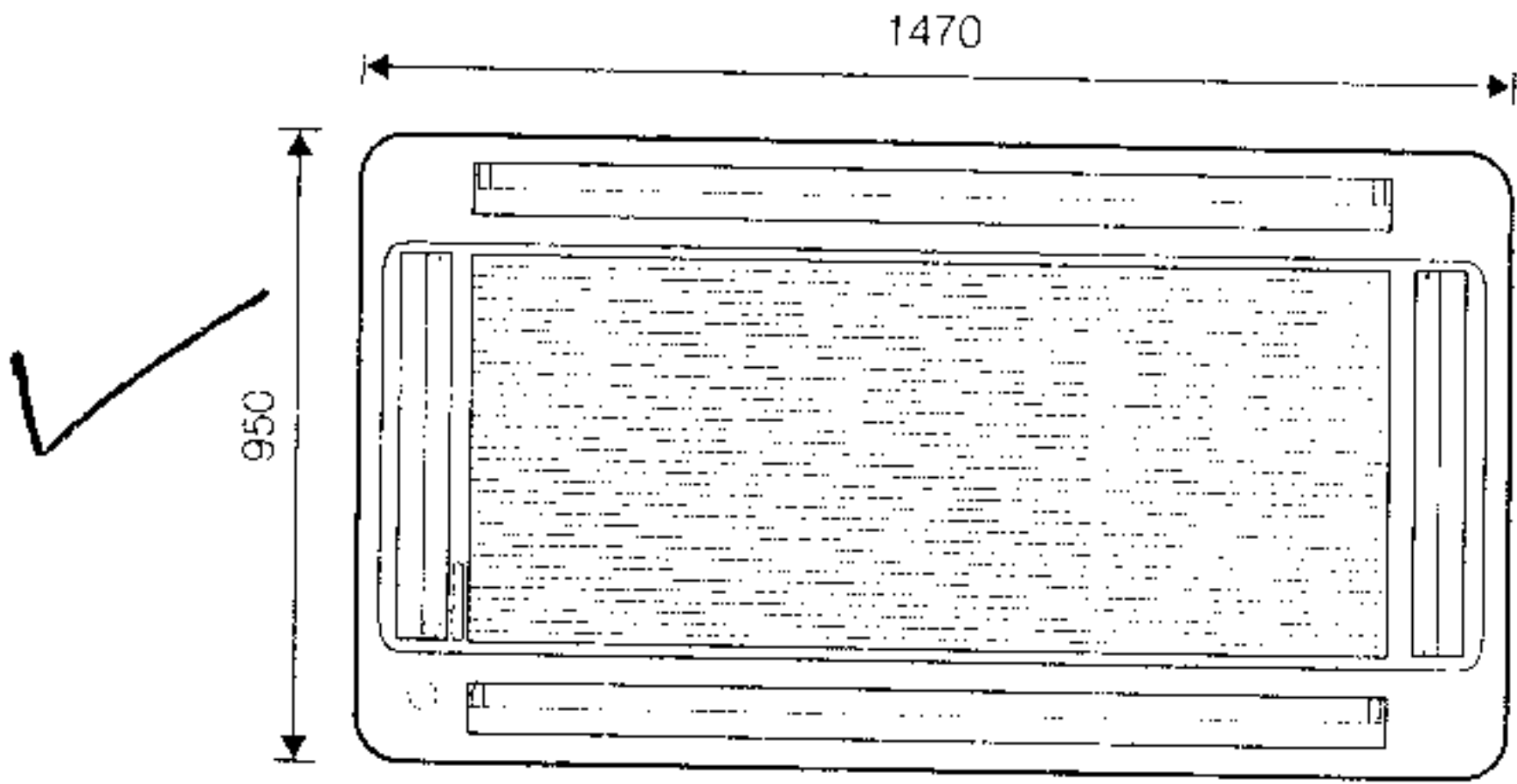
		Capacity (kW)			Airflow (m ³ /min)		Noise (dbA)		Weight (kg)
		Heat	Cool	Sensible Cooling	Low	High	Low	High	
PLH3GKHA	In-ceiling cassette	8.4	7.7	5	14	18	32	39	36
PLH4GKHSA	In-ceiling cassette	10.4	9.7	8	23	32	34	42	55
PLH5GKHSA	In-ceiling cassette	13.4	12.1	9	24	33	36	43	55
PLH6GKHSA	In-ceiling cassette	15.7	13.3	9	25	35	38	45	55

PLH3GKHA



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- ✓ PLH4GKHSA
- ✓ PLH5GKHSA
- PLH6GKHSA



Cat No.	Description
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Optional Control

Note: For further details on controls for P series products please refer to Data Sheet 2.10.

PAC-805RC	Centralised Remote Control.
PAC-SK65PT	LCD Weekly Setback Programme Timer.
PAC-715AD	'K' Control: 3 Wire Adaptor (Pack of 10).
PAC-725AD	Remote Indicator Kit: 'K' Control (Pack of 10).

Optional Accessories

PAC-SB 50AM	Optional Fresh Air Casement (Sizes 2 and 3).
PAC-SB 51AM	Optional Fresh Air Casement (Sizes 4 and 6).

Order Guide and Summary Data

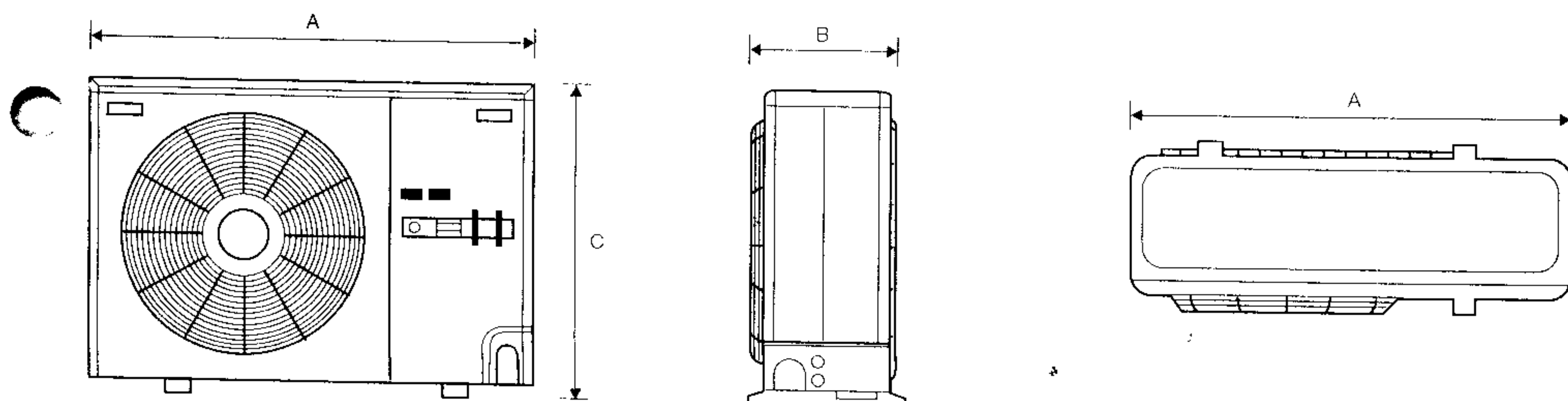
Cat No.	Description	Summary Data		
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Outdoor Units

Airflow (m ³ /min)	Noise (dbA)	Weight (kg)
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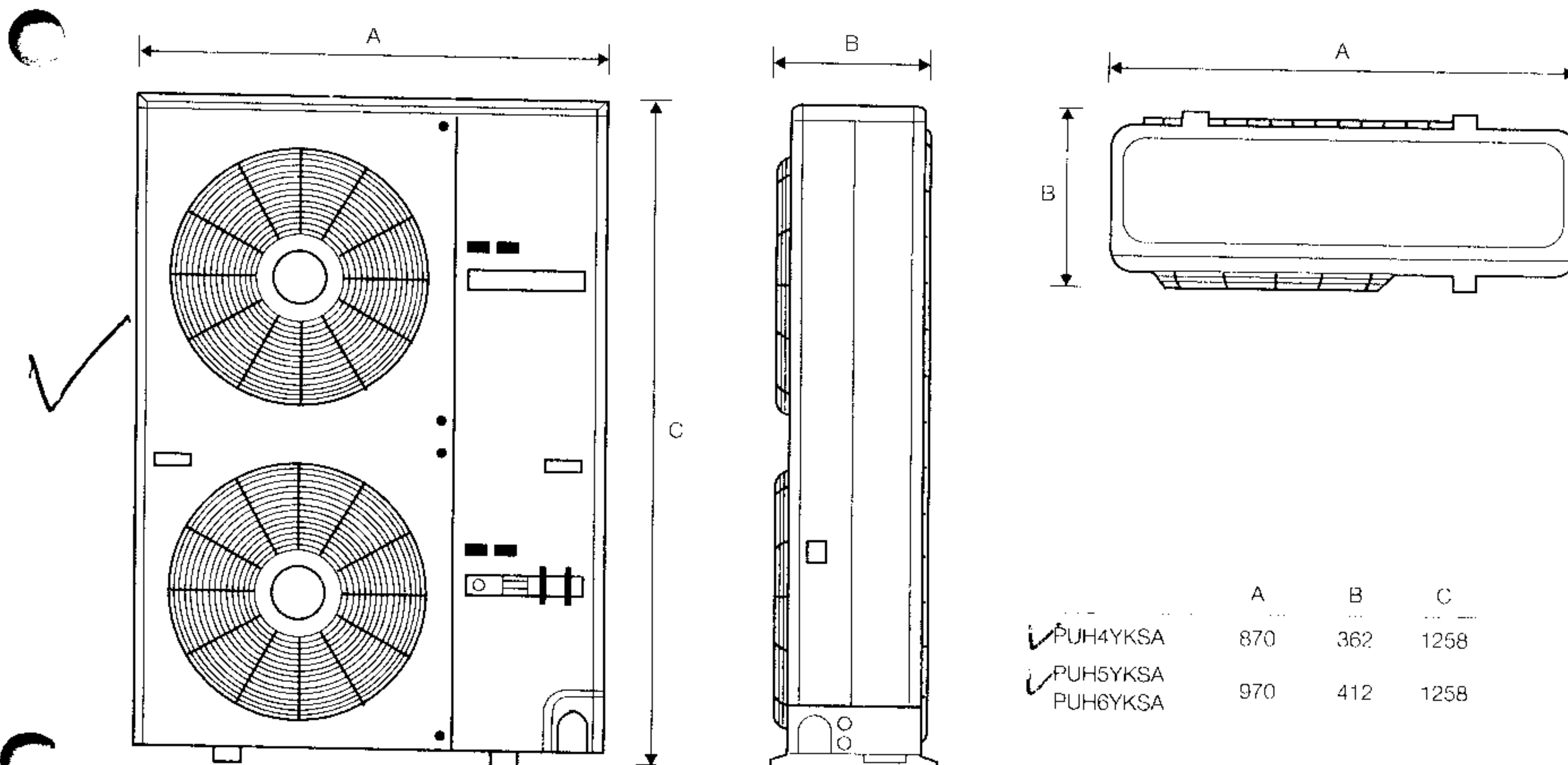
One outdoor unit is required for each indoor unit. (For twin or triple, see Data Sheet 2.9).

PUH3VKA	Outdoor unit	50	52	75
PUH3YKA	Outdoor unit	50	52	75
✓ PUH4YKSA	Outdoor unit	95	54	94
✓ PUH5YKSA	Outdoor unit	95	55	114
PUH6YKSA	Outdoor unit	100	56	117



	A	B	C
PUH3VKA	870	362	850
PUH3YKA			

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	A	B	C
✓ PUH4YKSA	870	362	1258
✓ PUH5YKSA	970	412	1258
PUH6YKSA			