

DÉLUCE LED FLOODLIGHT

TECHNICAL SPECIFICATION SHEET

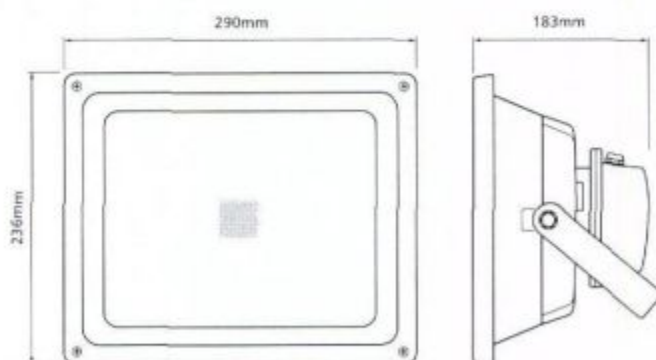
Déluce
LIGHTING

HAVANT BOROUGH
COUNCIL
15 OCT 2013
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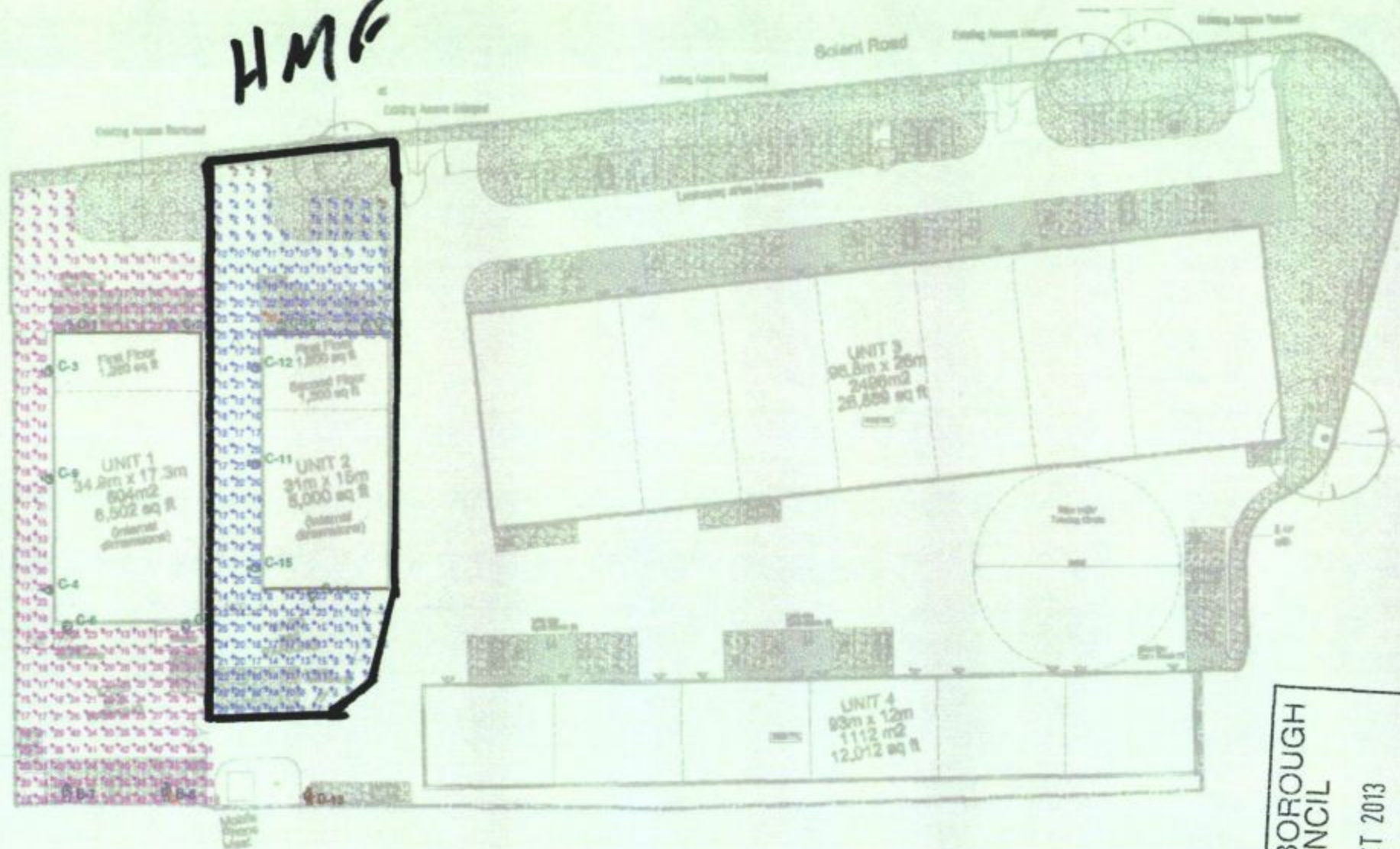
Ref No: **DLFL50WB-290**

Description:	LED Floodlight
Wattage:	50W
Operating Wattage:	55W
Voltage Range:	100 - 240VAC
IP Rating:	IP65
Category:	Class I
Colour Temperature:	5200 to 5700K
Finish Colour:	Black
LED CRi Ra:	70
Operating Temperature range:	-25°C to +45°C
Beam Angle:	120°
Luminous Efficiency lm/W:	60 - 70lm/W
Luminaire Light Output Ratio:	90%
Life Expectancy:	50,000 hours
Weight (kg):	4.5
Warranty:	2 years



100-240V 0.5m

4MF



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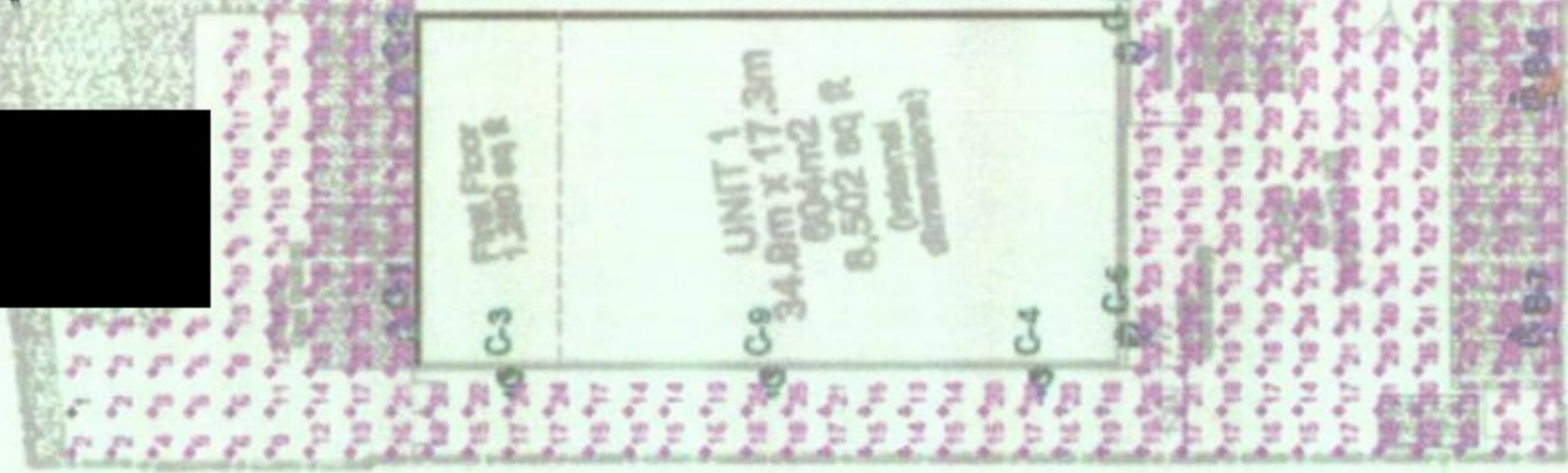
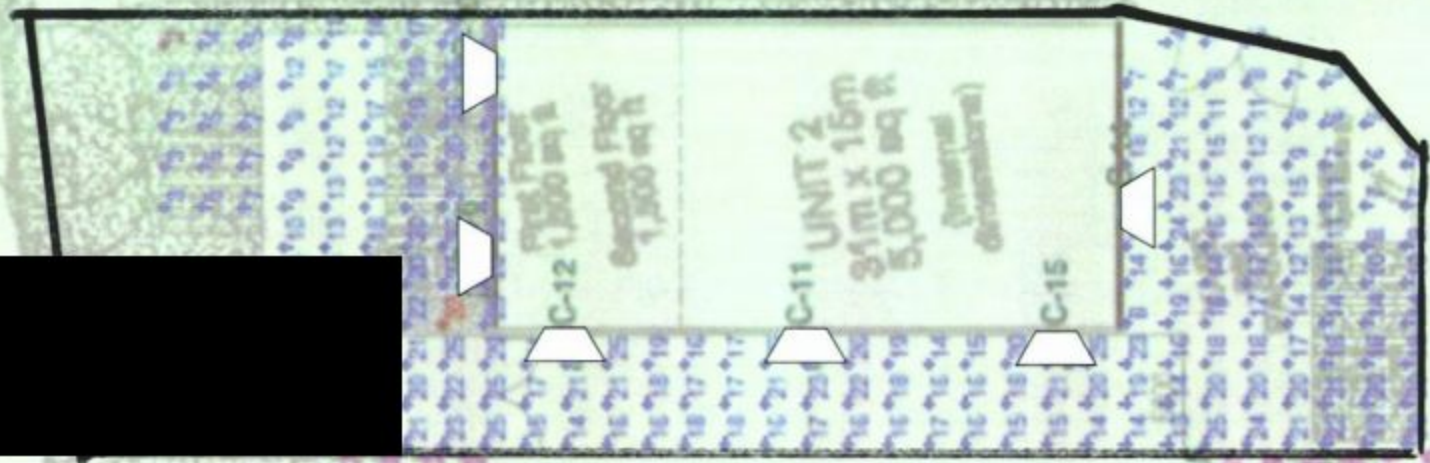
EXPANDED LIGHTING PLAN FOR NO 6 SOLENT ROAD

HMF

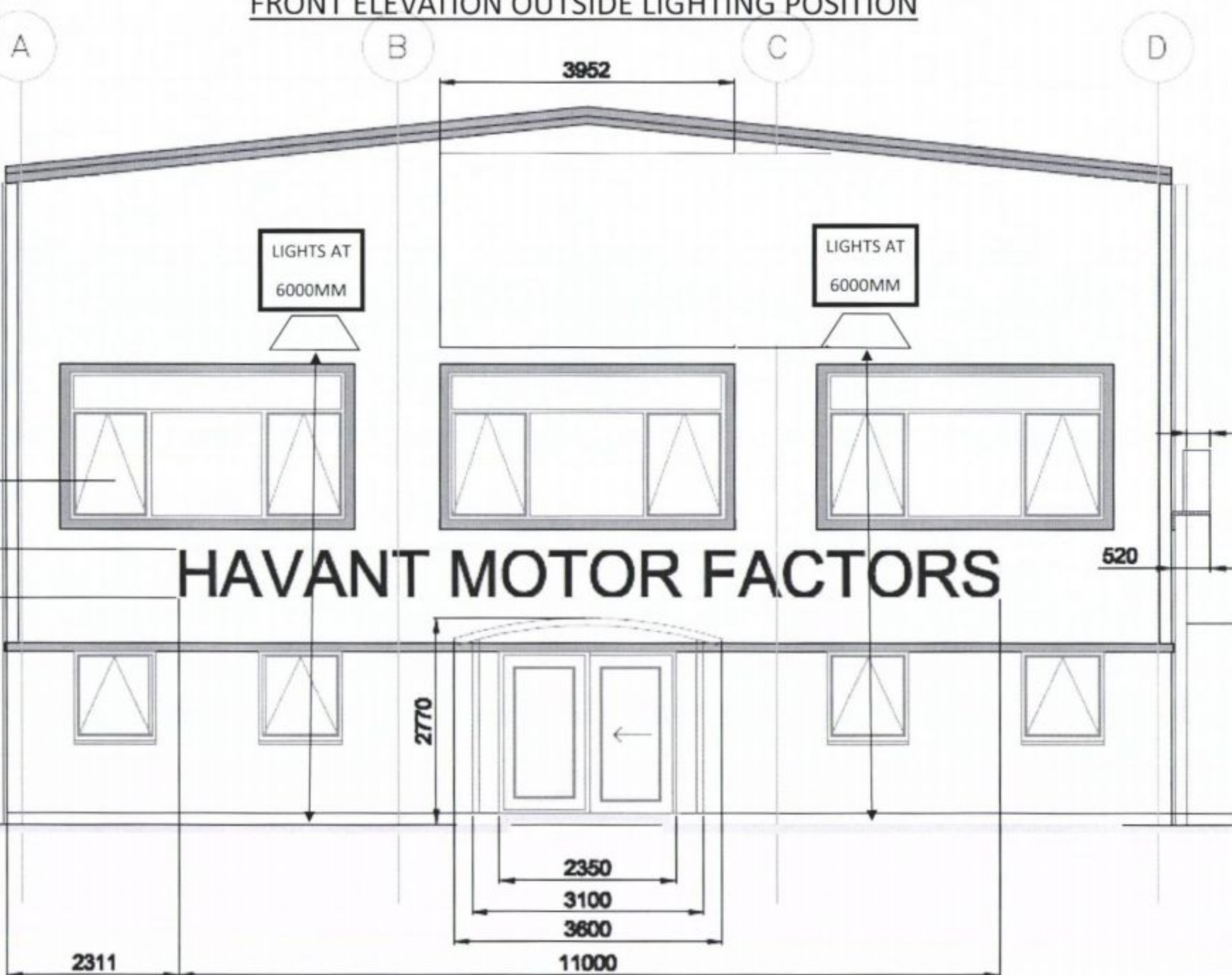
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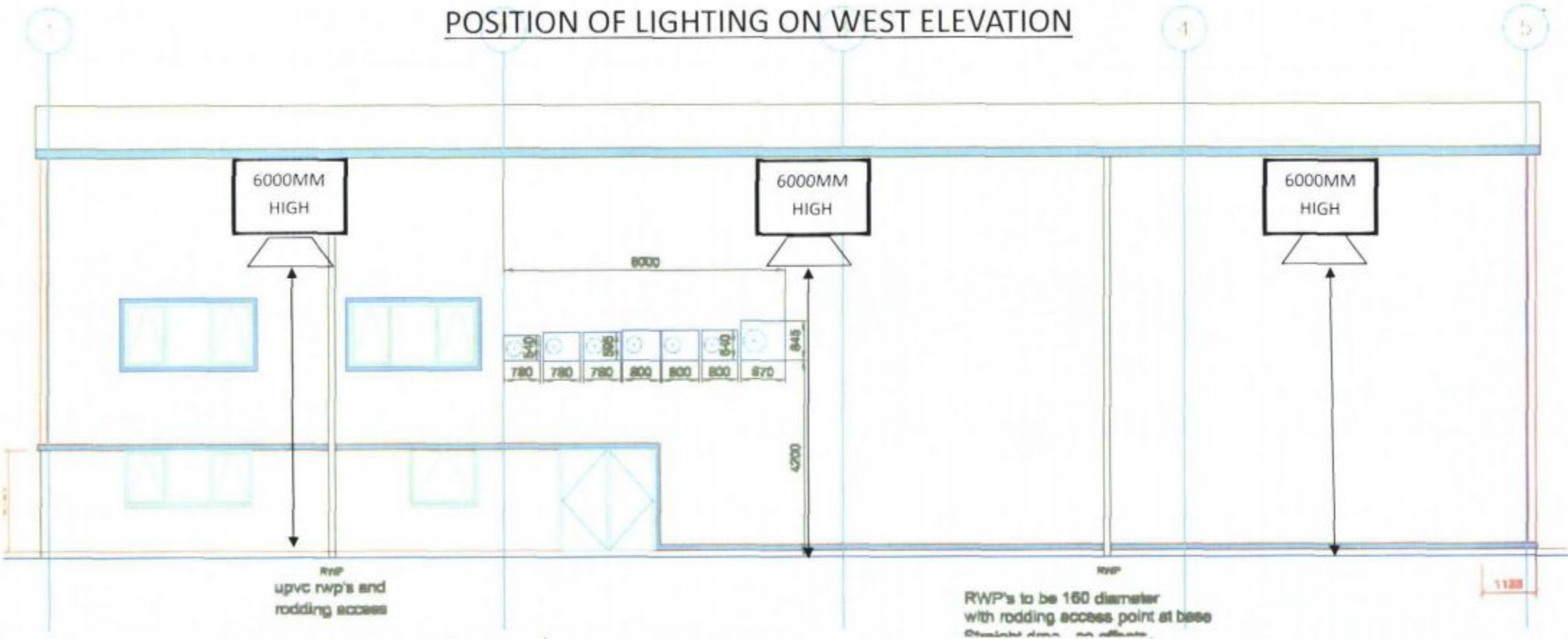
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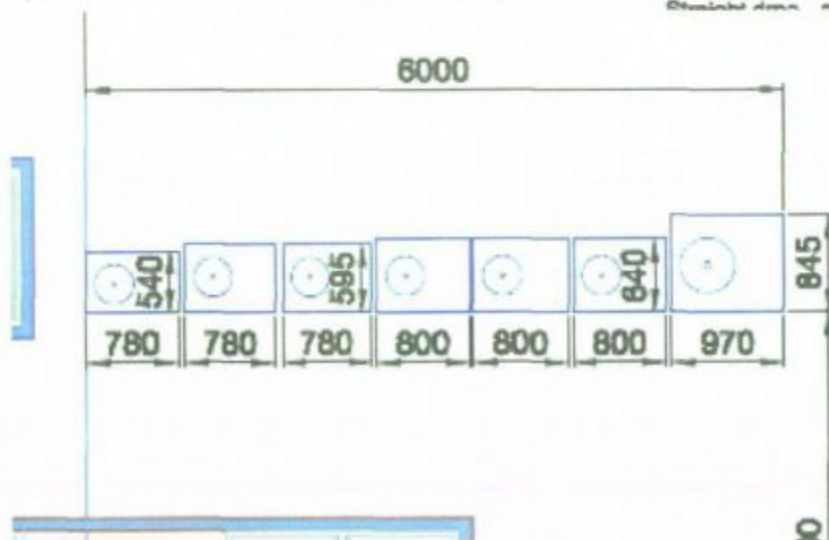
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POSITION OF LIGHTING ON WEST ELEVATION



SIDE ELEVATION (WEST)



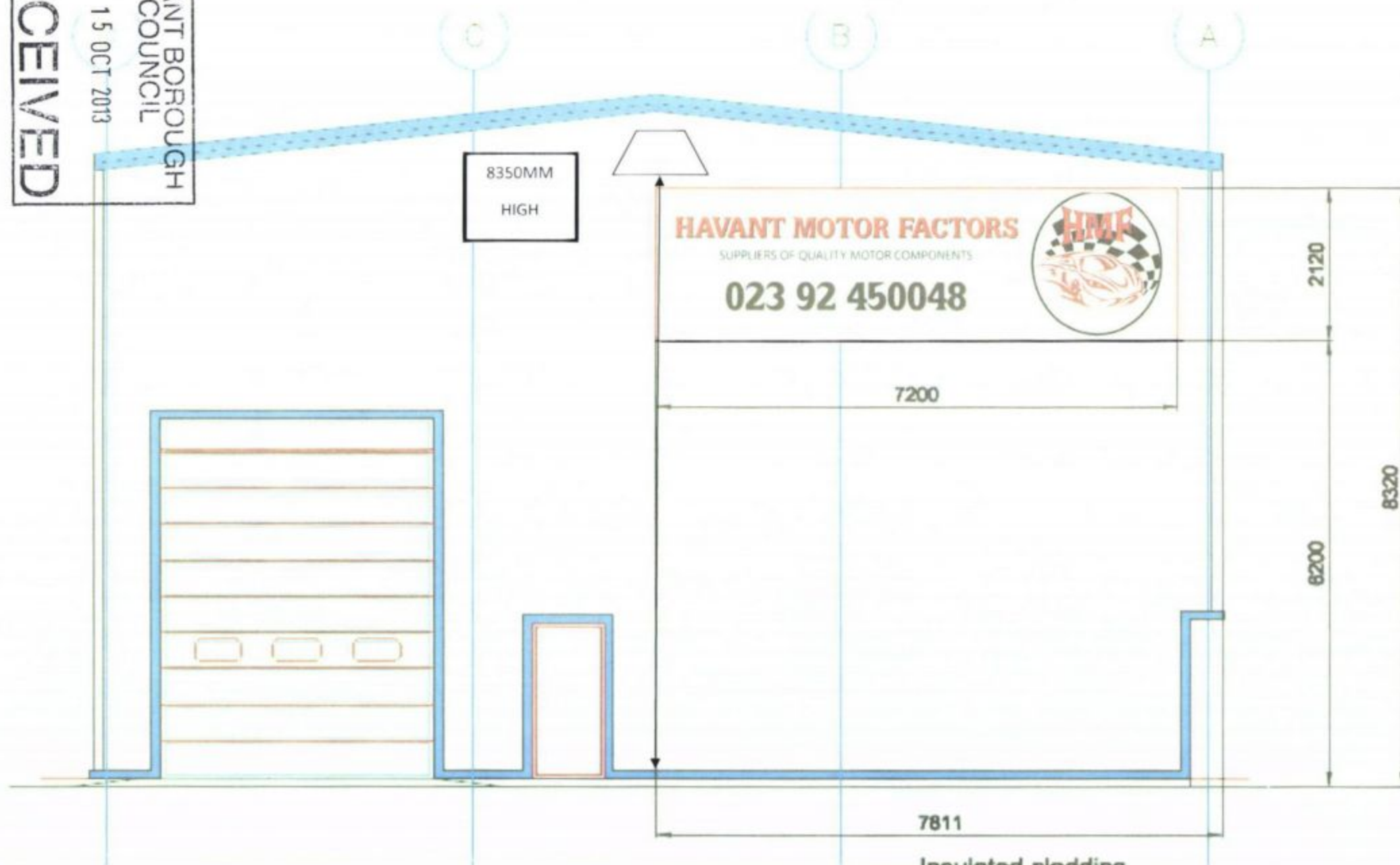
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LIGHTING FOR REAR ELEVATION



REAR ELEVATION (SOUTH)

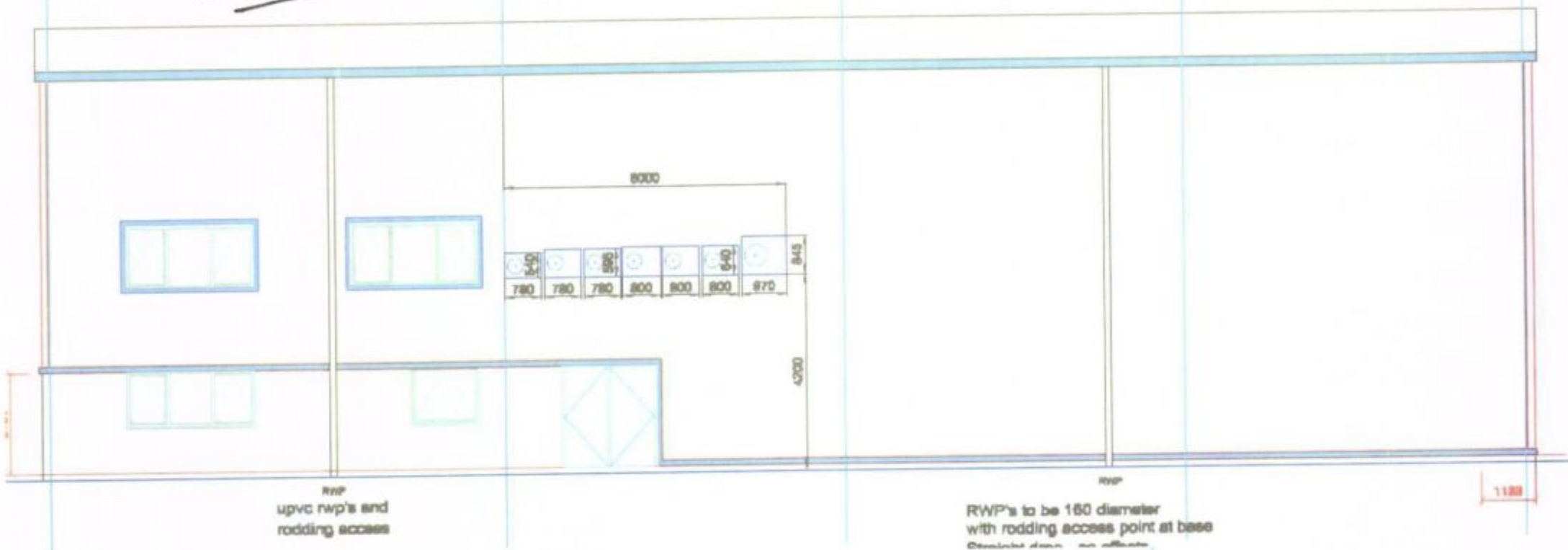
Insulated cladding
laid Vertically
indicative panel layout only

AIR CON UNITS	OUTSIDE UNIT	INSIDE UNIT
SHOP 12KW	FDC125VF	FDT125VF
PHONE ROOM 5KW	SRC50ZJX-S	FDTC50VF
VAN AREA 3.5KW	SRC35ZJX-S	FDTC35VF
TRAINING ROOM 5KW	SRC50ZJX-S	FDTC50VF
MIDDLE OFFICE 3.5KW	SRC35ZJX-S	FDTC35VF
MAIN OFFICE 5KW	SRC50JZX-S	FDTC50VF
SERVER ROOM 3.5KW	SRC35ZJ-S	SRK35ZJ-S

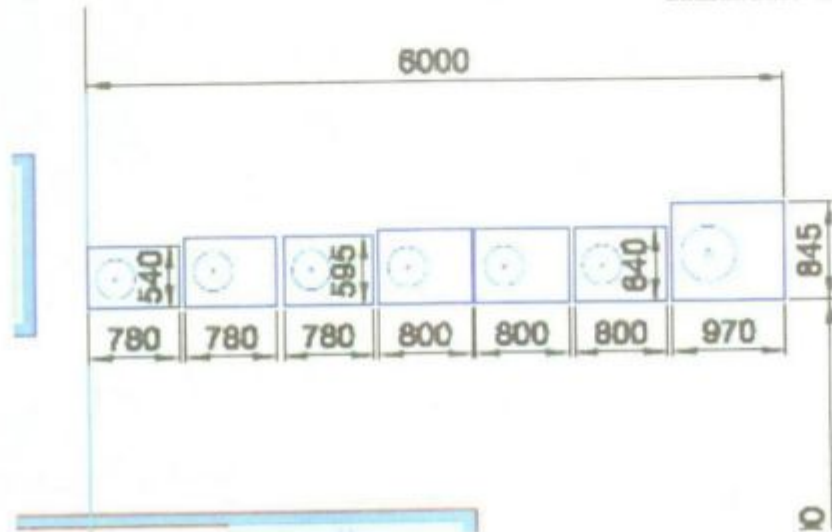


ALL AIR CON

POSITION AND SIZE OF AIR CONDITIONING UNITS



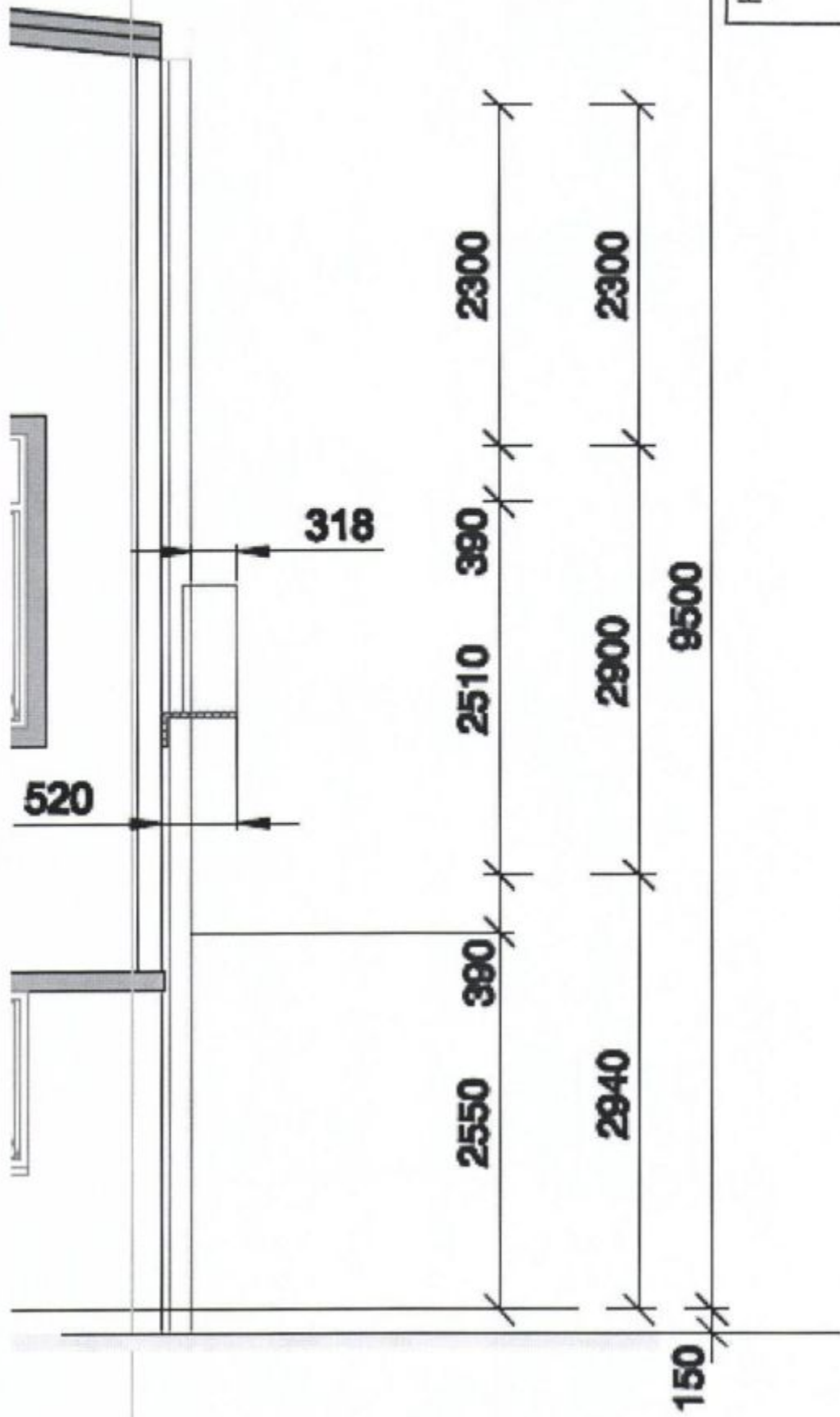
SIDE ELEVATION (WEST)



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INVERTER HEAT PUMP MODEL

Premium
Series

SRK-ZJ

Wall Mounted type

R410A



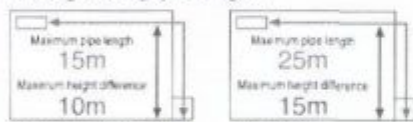
SRK20ZJ-S, SRK25ZJ-S
SRK35ZJ-S, SRK50ZJ-S

Single
Multi

All SRK-ZJ series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit.



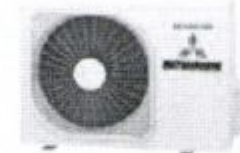
Refrigerant pipe length



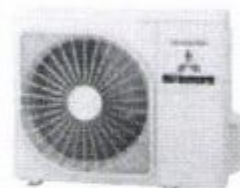
SRK20ZJ-S, SRK25ZJ-S
SRK35ZJ-S

SRK50ZJ-S

Standard equipment



SRK20ZJ-S, SRK25ZJ-S
SRK35ZJ-S



SRK50ZJ-S

FUNCTION



Comfortable Functions



Comfortable Air Flow Functions



Convenient & Economy Functions



Smartness & Power-saving Functions



Others



SPECIFICATIONS

Indoor unit				SRK20ZJ-S	SRK25ZJ-S	SRK35ZJ-S	SRK50ZJ-S
Outdoor unit				SRK20ZJ-S	SRK25ZJ-S	SRK35ZJ-S	SRK50ZJ-S
Power source				1 Phase, 220 - 240V, 50Hz			
Nominal cooling capacity (Min-Max)			kW	2.0(1.0-2.7)	2.5(1.0-2.9)	3.5(1.0-3.8)	5.0(1.6-5.5)
Nominal heating capacity (Min-Max)			kW	2.7(1.2-3.9)	3.2(1.2-4.2)	4.0(1.3-4.8)	5.8(1.6-6.6)
Power consumption		Cooling/Heating	kW	0.44 / 0.62	0.62 / 0.80	1.01 / 1.00	1.55 / 1.59
EER/COP		Cooling/Heating		4.55 / 4.35	4.03 / 4.00	3.47 / 4.00	3.23 / 3.65
Inrush current		220/230/240 V	A	3.2 / 3.1 / 3.0	4.0 / 3.8 / 3.7	4.9 / 4.7 / 4.5	7.3 / 7.0 / 6.7
Max. running current				9	9	9	14
* Sound power level	Indoor	Cooling/Heating	dB(A)	49 / 52	50 / 55	56 / 59	60 / 61
	Outdoor	Cooling/Heating		59 / 58	60 / 61	62 / 63	61 / 63
* Sound pressure level	Indoor	Cooling (Hi/Me/Lo)		33 / 27 / 21	34 / 28 / 21	42 / 32 / 22	46 / 37 / 26
		Heating (Hi/Me/Lo)		36 / 31 / 24	39 / 31 / 24	43 / 37 / 25	45 / 37 / 31
	Outdoor	Cooling/Heating	47 / 46	48 / 49	50 / 51	51 / 53	
	Indoor	Cooling (Hi/Me/Lo)	7.8 / 5.6 / 4.8	7.9 / 6.0 / 5.0	10.1 / 6.4 / 5.0	11.3 / 7.8 / 5.3	
Air flow		Heating (Hi/Me/Lo)	9.8 / 8.3 / 5.0	10.6 / 6.5 / 5.1	12.8 / 9.4 / 6.1	13.5 / 10.2 / 7.5	
	Outdoor	Cooling/Heating	29.5 / 25.6	32.1 / 25.6	31.5 / 27.8	36.0 / 36.0	
Exterior dimensions	Indoor	Height/Width/Depth	mm	294 x 798 x 229			
	Outdoor			540 x 780(-62) x 290			
Net weight		Indoor / Outdoor	kg	9.5 / 32		9.5 / 35	9.5 / 42
Ref piping size		Liquid/Gas	ø mm	6.35(1/4") / 9.52(3/8")			6.35(1/4") / 12.7(1/2")
Refrigerant line (one way) length			m	Max. 15			
Vertical height differences			Outdoor is higher/lower	m	Max. 10 / Max. 10		
Outdoor operating temperature range		Cooling	°C	-15~46			
		Heating		-15~21			
Clean filter				Allergen Clear Filter x 1, Photocatalytic Washable Deodorizing Filter x 1			

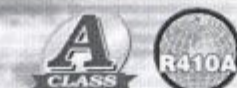
The data are measured under the following conditions (ISO-T1): Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 5°CWB.
* Indicates the value in an anechoic chamber. During operation, these values are somewhat higher due to ambient conditions.

INVERTER [INDOOR UNIT]

CEILING CASSETTE -4way-

FDT

FDT 40/50/60/71/
100/125/140VF



Remote control (Option)

Wired



Wireless



RCN-T36W-E

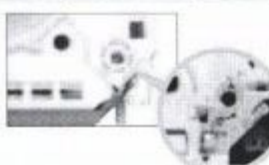
Arrangement of installation balance of indoor unit

Checking from access ports with detachable covers at each corner, arrangement of installation balance of indoor unit can be available without removing a panel. Workability is improved and time of installation is reduced.



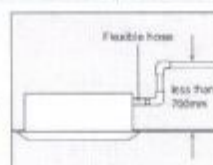
Easy checking of drain pan

Easy checking of drain pan condition is available by removing corner lid only. Due to new design changing fan motor is available without removing a panel. Temporarily setting of drain pan is also available.



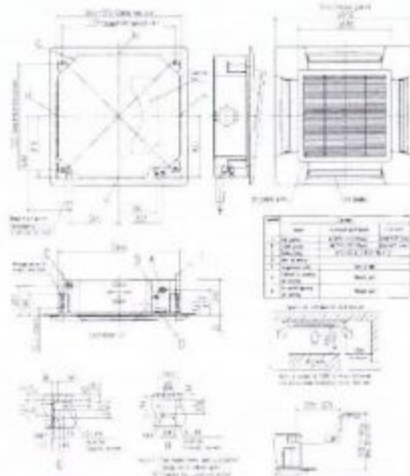
700mm Drain Pump

Drain can be discharged upwards by 700mm from the ceiling surface. It allows a piping layout with a high degree of freedom. Depending on the installation location and 260mm flexible hose as a standard equipment supports easy workability.

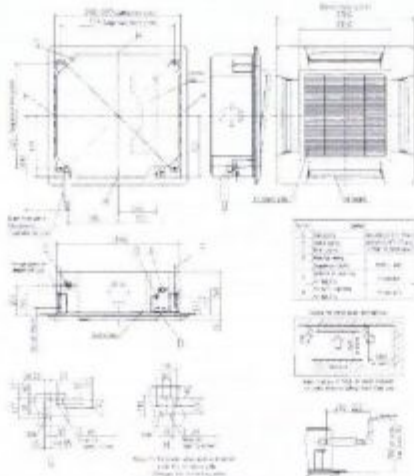


Outline drawing (Unit:mm)

Models FDT40,50,60,71VF



Models FDT100,125,140VF



SPECIFICATIONS

			Hyper Power					
Set model name	FDT40ZJXVF		FDT50ZJXVF		FDT60ZJXVF		FDT71VNXVF	FDT100VNXVF
Indoor name	FDT40VF		FDT50VF		FDT60VF		FDT71VF	FDT100VF
Outdoor name	SPC40ZJX-S		SPC50ZJX-S		SPC60ZJX-S		FDC71VNX	FDC100VNX
Power source	1Phase 220-240V 50Hz, 1Phase 220V 60Hz							
Rated cooling capacity (Min-Max)	ISO-T1(J/S)	kW	4.0 (1.1-4.7)	5.0 (1.1-5.8)	5.6 (1.1-6.3)	7.1 (3.2-8.0)	10.0 (4.0-11.2)	
Rated heating capacity (Min-Max)	ISO-T1(J/S)	kW	4.5 (0.8-5.4)	5.4 (0.8-6.3)	6.7 (0.8-7.1)	8.0 (3.6-9.0)	11.2 (4.0-12.3)	
Power consumption	Cooling/Heating	kW	0.800/1.06	1.28/1.29	1.52/1.70	2.04/1.94	2.50/2.58	
COP	Cooling/Heating		4.30/4.25	3.85/4.19	3.68/3.94	3.45/4.12	4.00/4.34	
Energy label	Cooling/Heating		A/A	A/A	A/A	A/A	A/A	
Brush current (Max. running current)		A	5(2)	5(1)		5(1)	5(2)	
Sound pressure level*	Indoor	dB(A)	H:33 Me:31 Lo:30			H:36 Me:33 Lo:31	H:40 Me:37 Lo:35	
	Outdoor	dB(A)	50	Cooling/48 Heating/50	54	Cooling/51 Heating/48	Cooling/48 Heating/50	
Sound power level*	Indoor	dB(A)	53	63	64	66	70	
	Outdoor	dB(A)	H:18 Me:16 Lo:14			H:18 Me:16 Lo:14	H:21 Me:19 Lo:17	
Air flow	Indoor	CMM	Cooling/36 Heating/33			Cooling/40 Heating/38	Cooling/41.5 Heating/39	Cooling/50 Heating/50
	Outdoor	CMM	Cooling/36 Heating/33			Cooling/40 Heating/38	Cooling/41.5 Heating/39	Cooling/50 Heating/50
Exterior dimensions (height with drip)		mm	Unit: 240x840x840 Panel: 350x500x500			In Available: Panel: 350x500x500		
Net weight	Unit+Panel	kg	27.5 (Unit:22 Panel:5.5)			29.5 (Unit:24 Panel:5.5)		32.5 (Unit:27 Panel:5.5)
Indoor unit	Panel		TPSA 3AW-E					
Air filter, Qty			Pocket Plastic net x1 (Washable)					
Remote control(option)			Wired RC-EX1, RC-E5, RCH-E3 Wireless RCN-T36W-E					
Exterior dimensions (height with drip)		mm	640x800x717(x290)			750x850x880(x340)		
Net weight		kg	45			60		
Type of compressor			Rotary					
Refrigerant (charge)		kg(m)	1.5(15)			2.95(30)		
Refrigerant piping size		mm	8.35/12.7			9.52/15.88		
Refrigerant piping length		m	30			50		
Vertical height difference	O/U is higher	m	20			30		
	O/U is lower	m	20			15		
Operating temperature range	Cooling	O/U	-15~20			-15~43*		
	Heating	O/U				-20~20		

SPECIFICATIONS

			Hyper Power				
Set model name			FDT125VNXVF	FDT140VNXVF	FDT100VNXVF	FDT125VNXVF	FDT140VNXVF
Indoor name			FDT125VF	FDT140VF	FDT100VF	FDT125VF	FDT140VF
Outdoor name			FDC125VNX	FDC140VNX	FDC100VNX	FDC125VNX	FDC140VNX
Power source	1Phase 220-240V 50Hz, 1Phase 220V 60Hz				3Phase 380-415V 50Hz, 3Phase 380V 60Hz		
Rated cooling capacity (Min-Max)	ISO-T1(J/S)	kW	12.5 (5.0-14.0)	14.0 (5.0-16.0)	10.0 (4.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)
Rated heating capacity (Min-Max)	ISO-T1(J/S)	kW	14.0 (4.0-17.0)	16.0 (4.0-18.0)	11.2 (4.0-16.0)	14.0 (4.0-18.0)	16.0 (4.0-20.0)
Power consumption	Cooling/Heating	kW	3.28/3.43	4.19/4.20	2.50/2.58	3.28/3.43	4.19/4.20
COP	Cooling/Heating		3.81/4.08	3.34/3.81	4.00/4.34	3.81/4.08	3.34/3.81
Energy label	Cooling/Heating		A/A	A/A	A/A	A/A	A/A
Brush current (Max. running current)		A	5(26)		5(15)		
Sound pressure level*	Indoor	dB(A)	H:42 Me:40 Lo:37	H:43 Me:41 Lo:38	H:40 Me:37 Lo:35	H:42 Me:40 Lo:37	H:43 Me:41 Lo:38
	Outdoor	dB(A)	Cooling/48 Heating/50	Cooling/49 Heating/52	Cooling/43 Heating/50	Cooling/48 Heating/50	Cooling/48 Heating/52
Sound power level*	Indoor	dB(A)	70	72	70	70	72
	Outdoor	dB(A)	H:30 Me:27 Lo:23	H:31 Me:28 Lo:24	H:27 Me:24 Lo:20	H:30 Me:27 Lo:23	H:31 Me:28 Lo:24
Air flow	Indoor	CMM	H:30 Me:27 Lo:23		100		
	Outdoor	CMM					
Exterior dimensions (height with drip)		mm	Unit: 240x840x840 Panel: 350x500x500				
Net weight	Unit+Panel	kg	32.5 (Unit:27 Panel:5.5)				
Indoor unit	Panel		TPSA 3AW-E				
Air filter, Qty			Pocket Plastic net x1 (Washable)				
Remote control(option)			Wired RC-EX1, RC-E5, RCH-E3 Wireless RCN-T36W-E				
Exterior dimensions (height with drip)		mm	1,300x850x920				
Net weight		kg	105				
Type of compressor			Rotary				
Refrigerant (charge)		kg(m)	4.5(30)				
Refrigerant piping size		mm	8.32/15.88				
Refrigerant piping length		m	150				
Vertical height difference	O/U is higher	m	30				
	O/U is lower	m	15				
Operating temperature range	Cooling	O/U	-15~43*				
	Heating	O/U	-20~20				

The data are measured under the following conditions (ISO-T1).
Cooling indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 5°CWB.
*1: Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
*2: If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.
* Powerful Hi can be selected. Sound level: 40/50ZJXVF 39dB, 60ZJXVF 46dB, 71VNXVF 46dB, 100/125/140VNXVF 51dB, 100/125/140VNXVF 51dB
* Air flow: 40/50ZJXVF 20CMM, 60ZJXVF 26CMM, 71VNXVF 26CMM, 100/125/140VNXVF 37CMM, 100/125/140VNXVF 37CMM

INVERTER HEAT PUMP MODEL (High COP)

FDTC-VF

4way Ceiling Cassette type



Individual flap control system

According to room temperature conditions, four directions of air flow can be controlled by individual flap as preferred. As individual flap control is available even after installation, installation area became wider than before.



FDTC25VF, FDTC35VF,
FDTC40VF, FDTC50VF,
FDTC60VF

Single
Multi

All FDTC-VF series (except FDTC40VF) can be selected for use as indoor units in the combination with SCM Multi system outdoor unit.

Wired remote control



RC-E5(option)



RCH-E3(option)

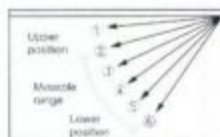
Wireless remote control



RCN-TC-24W-ER(option)

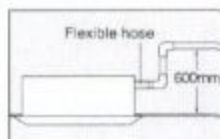
Flap control system

Selection of flap position is possible. Individual flaps can be set at different angles.



600mm Drain Pump is mounted

Drain can be discharged upward by 600mm from the ceiling surface close to the indoor unit. It allows a piping layout with a high degree of freedom depending on the installation location.

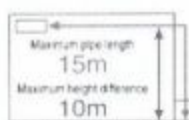


SRC25ZJX-S, SRC35ZJX-S



SRC40ZJX-S, SRC50ZJX-S,
SRC60ZJX-S

Refrigerant
pipe length



FDTC25VF, FDTC35VF



FDTC40VF, FDTC50VF,
FDTC60VF

FUNCTION

Comfortable Functions



Comfortable Air Flow Functions



Convenient & Economy Functions



Self-Diagnosis & Protection Functions



Others



SPECIFICATIONS

Item	Model (Indoor unit/Outdoor unit)	FDTC25VF SRC25ZJX-S	FDTC35VF SRC35ZJX-S	FDTC40VF SRC40ZJX-S	FDTC50VF SRC50ZJX-S	FDTC60VF SRC60ZJX-S
Power supply		1Phase, 220/230/240V, 50Hz				
Nominal cooling capacity	ISO-T1(JIS)	kW	2.55(0.9~3.2)	3.6(0.9~4.1)	4.0(1.1~4.7)	5.0(1.1~5.6)
Nominal heating capacity	ISO-T1(JIS)	kW	3.45(0.9~4.7)	4.25(0.9~5.1)	4.5(0.6~5.4)	5.4(0.6~6.3)
Cooling input	at 230V	kW	0.6	1.07	1.04	1.56
Heating input	at 230V	kW	0.84	1.16	1.10	1.45
Energy label	Cooling/Heating		A/A			C/C
EER (In cooling)			4.25	3.36	3.85	3.21
COP (In heating)			4.11	3.66	4.09	3.72
Running current	Cooling	A	3.0/2.9/2.8	4.9/4.7/4.5	4.6	6.9
	Heating	A	4.1/4.0/3.8	5.3/5.1/4.9	4.9	6.4
Inrush current (Max)		A	4.1(9)	5.3(9)	5(12)	5(14)
Sound pressure level *	Cooling (Indoor)	dB(A)	Hi:36 Me:32 Lo:29	Hi:40 Me:36 Lo:30	Hi:42 Me:36 Lo:30	Hi:42 Me:36 Lo:30
	Heating (Indoor)	dB(A)	Hi:36 Me:33 Lo:29.5	Hi:42 Me:35 Lo:32	Hi:42 Me:36 Lo:32	Hi:42 Me:36 Lo:32
	Cooling (Outdoor)	dB(A)	Hi:9 Me:8 Lo:6.5	Hi:9.5 Me:9 Lo:7	Hi:18 Me:16 Lo:14	Hi:18 Me:16 Lo:14
	Heating (Outdoor)	dB(A)	Hi:9.5 Me:8.5 Lo:7	Hi:10 Me:9 Lo:8	Hi:18 Me:16 Lo:14	Hi:18 Me:16 Lo:14
Air flow	Indoor	CMM	Hi:9.5 Me:8.5 Lo:7	Hi:10 Me:9 Lo:8	Hi:18 Me:16 Lo:14	Hi:18 Me:16 Lo:14
	Outdoor	CMM	Cooling:29.5 Heating:27.0	Cooling:32.5 Heating:29.5	40	40
Exterior dimensions (H×W×D)	Indoor	mm	Unit: 248×570×570 Panel: 35×700×700			640×890(±71)×290
	Outdoor	mm	595×780(±62)×290			640×890(±71)×290
Net weight	Indoor/Outdoor	kg	18.5(Unit:15 Panel:3.5)/38			18.5(Unit:15 Panel:3.5)/43
Refrigerant piping	O.D.	mm(in)	φ6.35 (1/4")			φ12.7 (1/2")
Refrigerant			R410A			TC-PSA-25W-E
Panel			TC-PSA-25W-E			

The data are measured under the following conditions (ISO-T1): Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB

* Indicates the value in an anechoic chamber. During operation, these values are somewhat higher due to ambient conditions.

① Powerful-Hi can be selected. Sound level dB(A) 25VF(Cooling:38 Heating:39), 35VF(Cooling:41 Heating:43), 40/50/60VF(Cooling:47 Heating:47), Airflow:25VF(Cooling:10 Heating:10.5), 35VF(Cooling:11 Heating:11.5), 40/50/60VF(Cooling:13.5 Heating:13.5)