

Wall mounted

PKFY-P-VFM-A

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PKFY(Non-GE)

# 1. Specifications

			PKFY-P63VFM-A	PKFY-P100VFM-A
Power source			~ 220-240V 50Hz / ~ 220V 60Hz	
Cooling capacity	*1	kW	7.1	11.2
	*2	kcal/h	6,300	10,000
Heating capacity	*1	kW	8.0	12.5
Power consumption	Cooling	kW	0.09	0.11
	Heating	kW	0.09	0.11
Current	Cooling	A	0.43	0.52
	Heating	A	0.43	0.52
External finish(Munsel No.)			Plastic, white : <3.4Y7.7/0.8>	
Dimension	Height	mm	340	
	Width	mm	1,400	1,680
	Depth	mm	235	
Net weight		kg	24	28
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)	
Fan	Type		Line flow fan X 2	
	Airflow rate *3 (Lo-Hi)	m <sup>3</sup> /min	15-20	22-28
	External static pressure	Pa	0	
Motor	Type		Single phase induction motor	
	Output	kW	0.04	0.07
Air filter			PP Honeycomb fabric	
Refrigerant pipe dimension	Gas (Flare)	mm	ø□15.88	ø□19.05
	Liquid (Flare)	mm	ø□9.52	
Drain pipe dimension			VP-20	
Noise level (Lo-Hi)	*3	dB(A)	39-45	41-46

Note: \*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.  
Cooling : Indoor 27°CDB/19°CWB, Outdoor 35°CDB  
Heating : Indoor 20°CDB, Outdoor 7°CDB/6°CWB  
\*2 Cooling capacity indicates the maximum value at operation under the following condition.  
Cooling : Indoor 27°CDB/19.5°CWB, Outdoor 35°CDB (WR2: water 30°C)  
\*3 Airflow rate/noise level are in (low-high).

## 2. Capacity table

### 2-1.Cooling Capacity (In combination with PUMY-125YM(A))

#### PKFY-P-VFM-A

CA:Capacity(kW)  
SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.							
		23°CDB 16°CWB		25°CDB 18°CWB		28°CDB 20°CWB		30°CDB 22°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA
63 (7.1)	20.0	7.0	5.3	7.4	5.6	7.9	5.5	8.3	5.7
	22.5	6.9	5.3	7.3	5.5	7.8	5.5	8.2	5.7
	25.0	6.9	5.2	7.3	5.5	7.7	5.5	8.2	5.6
	27.5	6.8	5.2	7.2	5.5	7.7	5.4	8.1	5.6
	30.0	6.7	5.2	7.1	5.4	7.5	5.4	8.0	5.6
	32.5	6.6	5.1	7.0	5.4	7.5	5.3	7.9	5.5
	35.0	6.5	5.1	6.9	5.3	7.3	5.3	7.8	5.5
	37.5	6.4	5.0	6.8	5.3	7.2	5.2	7.7	5.4
	40.0	6.3	5.0	6.7	5.3	7.2	5.2	7.6	5.4
46.0	6.1	4.9	6.5	5.1	6.9	5.1	7.3	5.3	
100 (11.2)	20.0	11.1	8.0	11.6	8.3	12.5	8.3	13.1	8.5
	22.5	10.9	7.9	11.5	8.3	12.3	8.2	13.0	8.4
	25.0	10.8	7.9	11.5	8.2	12.2	8.2	12.9	8.4
	27.5	10.7	7.8	11.3	8.2	12.1	8.1	12.8	8.3
	30.0	10.5	7.7	11.2	8.1	11.9	8.0	12.6	8.3
	32.5	10.4	7.6	11.1	8.0	11.8	8.0	12.5	8.2
	35.0	10.2	7.6	10.9	8.0	11.6	7.9	12.3	8.1
	37.5	10.1	7.5	10.8	7.9	11.4	7.8	12.2	8.1
	40.0	10.0	7.4	10.6	7.8	11.3	7.7	12.0	8.0
46.0	9.6	7.2	10.2	7.6	10.8	7.5	11.5	7.8	

### 2-2.Heating Capacity (In combination with PUMY-125YM(A))

#### PKFY-P-VFM-A

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB		
		15.0	20.0	25.0
		°CWB	SHC	SHC
63	-12.0	5.1	5.0	4.9
	-10.0	5.4	5.3	5.2
	-5.0	6.1	6.0	5.9
	0.0	6.9	6.9	6.8
	2.5	7.4	7.3	7.2
	6.0	8.0	8.0	7.9
	7.5	8.3	8.3	7.9
	10.0	8.8	8.8	7.9
	12.5	9.4	8.8	7.9
15.5	9.8	8.8	7.9	

Unit size	Outdoor air temp.	Indoor air temp.:°CDB		
		15.0	20.0	25.0
		°CWB	SHC	SHC
100	-12.0	8.0	7.8	7.7
	-10.0	8.4	8.2	8.1
	-5.0	9.6	9.4	9.3
	0.0	10.9	10.7	10.6
	2.5	11.5	11.4	11.3
	6.0	12.6	12.5	12.3
	7.5	13.0	12.9	12.4
	10.0	13.8	13.7	12.4
	12.5	14.6	13.8	12.4
15.5	15.4	13.8	12.4	

### 2-3.Cooling Capacity (In combination with PU(H)Y,PURY-(P)200-250YMF-C)

#### PKFY-P-VFM-A

CA:Capacity(kW)  
SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA
63 (7.1)	20.0	7.0	5.3	7.1	5.4	7.4	5.3	7.5	5.4	7.7	5.5	8.0	5.4	8.2	5.2
	22.5	6.9	5.3	7.0	5.4	7.3	5.3	7.5	5.3	7.6	5.5	7.9	5.4	8.2	5.2
	25.0	6.8	5.2	7.0	5.4	7.2	5.2	7.4	5.3	7.5	5.5	7.8	5.3	8.1	5.2
	27.5	6.7	5.2	6.9	5.3	7.2	5.2	7.3	5.3	7.5	5.4	7.7	5.3	8.0	5.2
	30.0	6.7	5.2	6.8	5.3	7.1	5.2	7.2	5.2	7.4	5.4	7.7	5.3	8.0	5.1
	32.5	6.6	5.1	6.7	5.3	7.0	5.1	7.2	5.2	7.3	5.4	7.6	5.3	7.9	5.1
	35.0	6.5	5.1	6.7	5.2	7.0	5.1	7.1	5.2	7.2	5.4	7.5	5.2	7.8	5.1
	37.5	6.5	5.1	6.6	5.2	6.9	5.1	7.0	5.2	7.2	5.3	7.5	5.2	7.7	5.1
	40.0	6.4	5.0	6.5	5.2	6.8	5.1	7.0	5.1	7.1	5.3	7.4	5.2	7.7	5.1
	43.0	6.3	5.0	6.4	5.1	6.7	5.0	6.9	5.1	7.0	5.3	7.3	5.1	7.6	5.0
100 (11.2)	20.0	11.0	7.9	11.2	8.1	11.6	7.9	11.9	8.0	12.1	8.2	12.5	8.0	13.0	7.7
	22.5	10.9	7.9	11.1	8.0	11.5	7.9	11.8	7.9	12.0	8.1	12.4	7.9	12.9	7.7
	25.0	10.8	7.8	11.0	8.0	11.4	7.8	11.6	7.9	11.9	8.1	12.3	7.9	12.8	7.7
	27.5	10.6	7.8	10.9	7.9	11.3	7.8	11.5	7.8	11.8	8.0	12.2	7.8	12.7	7.6
	30.0	10.5	7.7	10.8	7.9	11.2	7.7	11.4	7.8	11.6	8.0	12.1	7.8	12.5	7.6
	32.5	10.4	7.7	10.6	7.8	11.1	7.7	11.3	7.7	11.5	8.0	12.0	7.8	12.4	7.5
	35.0	10.3	7.6	10.5	7.8	11.0	7.6	11.2	7.7	11.4	7.9	11.9	7.7	12.3	7.5
	37.5	10.2	7.5	10.4	7.7	10.9	7.6	11.1	7.6	11.3	7.9	11.8	7.7	12.2	7.5
	40.0	10.1	7.5	10.3	7.7	10.8	7.5	11.0	7.6	11.2	7.8	11.6	7.6	12.1	7.4
	43.0	9.9	7.4	10.2	7.6	10.6	7.4	10.8	7.5	11.1	7.8	11.5	7.6	12.0	7.4

### 2-4.Heating Capacity (In combination with PU(H)Y,PURY-(P)200-250YMF-C)

#### PKFY-P-VFM-A

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
		°CWB	SHC	SHC	SHC
63	-15.0	5.4	5.3	5.2	5.2
	-10.0	6.1	6.0	6.0	5.5
	-5.0	6.9	6.8	6.2	5.5
	0.0	7.6	7.5	6.2	5.5
	2.5	8.0	7.9	6.2	5.5
	6.0	8.1	8.0	6.2	5.5
	7.5	8.4	8.0	6.2	5.5
	10.0	9.0	8.0	6.2	5.5
	12.5	9.6	8.0	6.2	5.5
	15.5	9.7	8.0	6.2	5.5

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
		°CWB	SHC	SHC	SHC
100	-15.0	8.4	8.2	8.2	8.1
	-10.0	9.6	9.4	9.3	8.6
	-5.0	10.7	10.6	9.8	8.6
	0.0	11.9	11.8	9.8	8.6
	2.5	12.5	12.4	9.8	8.6
	6.0	12.6	12.5	9.8	8.6
	7.5	13.2	12.5	9.8	8.6
	10.0	14.1	12.5	9.8	8.6
	12.5	15.0	12.5	9.8	8.6
	15.5	15.1	12.5	9.8	8.6

**2-5. Cooling capacity**  
**(In combination with PUHY-(P)315-400-500-600-650-700-750Y(S)MF-B,Y(S)MC)**

**PKFY-P-VFM-A**

CA:Capacity(kcal/h)  
 SHC:Sensible heat Capacity(kcal/h)

Unit size	Outdoor air temp. °CDB	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19.5°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
		CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
63	20.0	5710	4422	5989	4608	6455	4605	6796	4740	6904	4882	7309	4813	7744	4739
	22.5	5710	4422	5966	4597	6399	4581	6713	4705	6818	4847	7212	4776	7635	4701
	25.0	5665	4400	5908	4570	6326	4549	6630	4671	6732	4811	7116	4740	7525	4662
	27.5	5620	4379	5851	4543	6254	4518	6548	4637	6646	4776	7020	4703	7416	4624
	30.0	5574	4357	5793	4516	6181	4486	6465	4603	6560	4741	6924	4667	7306	4586
	32.5	5529	4335	5735	4489	6109	4455	6383	4569	6475	4707	6828	4631	7197	4548
	35.0	5484	4313	5677	4463	6037	4423	6300	4535	6389	4672	6731	4595	7087	4511
	37.5	5438	4292	5620	4436	5964	4392	6217	4501	6303	4638	6635	4559	6978	4473
	40.0	5393	4270	5562	4409	5892	4361	6135	4467	6217	4603	6539	4524	6868	4436
	43.0	5338	4244	5493	4377	5805	4324	6036	4427	6114	4562	6424	4481	6737	4391
100	20.0	9063	6638	9507	6904	10245	6909	10787	7091	10958	7282	11601	7177	12293	7063
	22.5	9063	6638	9470	6886	10157	6868	10656	7034	10822	7223	11448	7115	12119	6999
	25.0	8993	6603	9378	6841	10042	6815	10525	6976	10686	7165	11296	7054	11945	6935
	27.5	8920	6567	9287	6796	9927	6762	10393	6919	10550	7106	11143	6994	11771	6871
	30.0	8848	6530	9195	6751	9812	6709	10262	6862	10413	7048	10990	6933	11597	6807
	32.5	8776	6494	9103	6707	9697	6657	10131	6805	10277	6990	10837	6873	11423	6744
	35.0	8704	6458	9012	6662	9582	6605	10000	6749	10141	6932	10685	6813	11250	6681
	37.5	8632	6422	8920	6618	9467	6553	9869	6693	10005	6875	10532	6753	11076	6619
	40.0	8560	6386	8828	6574	9352	6501	9738	6637	9868	6818	10379	6694	10902	6556
	43.0	8474	6343	8718	6521	9214	6439	9580	6570	9705	6749	10196	6623	10693	6482

**2-6. Heating capacity**  
**(In combination with PUHY-(P)315-400-500-600-650-700-750Y(S)MF-B,Y(S)MC)**

**PKFY-P-VFM-A**

SHC:Sensible heat Capacity(kcal/h)

Unit size	Outdoor air temp. °CWB	Indoor air temp.:°CDB			
		15	21	25	27
		SHC	SHC	SHC	SHC
63	-15.0	4908	4835	4761	4732
	-10.0	5599	5526	5453	5051
	-5.0	6291	6218	5709	5051
	0.0	6983	6910	5709	5051
	2.5	7329	7100	5709	5051
	6.0	7393	7100	5709	5051
	7.5	7704	7100	5709	5051
	10.0	8221	7100	5709	5051
	12.5	8739	7100	5709	5051
	15.5	8857	7100	5709	5051

Unit size	Outdoor air temp. AéWB	Indoor air temp.:°CDB			
		15	21	25	27
		SHC	SHC	SHC	SHC
100	-15.0	7742	7626	7511	7465
	-10.0	8833	8718	8602	7967
	-5.0	9924	9809	9006	7967
	0.0	11015	10900	9006	7967
	2.5	11561	11200	9006	7967
	6.0	11662	11200	9006	7967
	7.5	12152	11200	9006	7967
	10.0	12969	11200	9006	7967
	12.5	13786	11200	9006	7967
	15.5	13971	11200	9006	7967

## 2-7. Cooling Capacity (In combination with PQRV-P200-250YMF-B)

### PKFY-P-VFM-A

CA: Capacity(kcal/h)

SHC: Sensible heat Capacity(kcal/h)

Unit size	Water temp.	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19.5°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
	°C	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
63	10	6029	4577	6237	4725	6632	4684	6930	4796	7020	4930	7415	4853	7831	4770
	20	5810	4470	6010	4618	6391	4577	6678	4691	6765	4825	7145	4751	7546	4669
	30	5481	4312	5670	4459	6029	4420	6300	4535	6382	4669	6741	4599	7119	4521
	40	4768	3977	4933	4124	5245	4087	5481	4205	5552	4341	5865	4278	6194	4209
	45	4494	3852	4649	3997	4944	3962	5166	4081	5233	4218	5528	4157	5838	4092
100	10	9570	6897	9900	7099	10527	7040	11000	7186	11143	7363	11770	7245	12430	7115
	20	9222	6719	9540	6920	10144	6862	10600	7009	10738	7187	11342	7073	11978	6947
	30	8700	6456	9000	6656	9570	6600	10000	6749	10130	6928	10700	6819	11300	6699
	40	7569	5902	7830	6101	8326	6048	8700	6202	8813	6383	9309	6286	9831	6180
	45	7134	5695	7380	5893	7847	5841	8200	5997	8307	6179	8774	6087	9266	5986

## 2-8. Heating Capacity (In combination with PQRV-P200-250YMF-B)

### PKFY-P-VFM-A

SHC: Sensible heat Capacity(kcal/h)

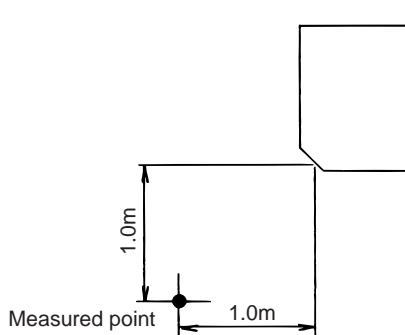
Unit size	Water temp.	Indoor air temp.: °CDB			
		15	21	25	27
	°C	SHC	SHC	SHC	SHC
63	10	6156	6035	4888	4345
	20	7242	7100	5751	5112
	30	7242	7100	5751	5112
	40	7532	7384	5981	5316
	45	8256	8094	6556	5828

Unit size	Water temp.	Indoor air temp.: °CDB			
		15	21	25	27
	°C	SHC	SHC	SHC	SHC
100	10	9710	9520	7711	6854
	20	11424	11200	9072	8064
	30	11424	11200	9072	8064
	40	11881	11648	9435	8387
	45	13023	12768	10342	9193

## 3. Sound levels

### 3-1. Noise level

Wall mounted



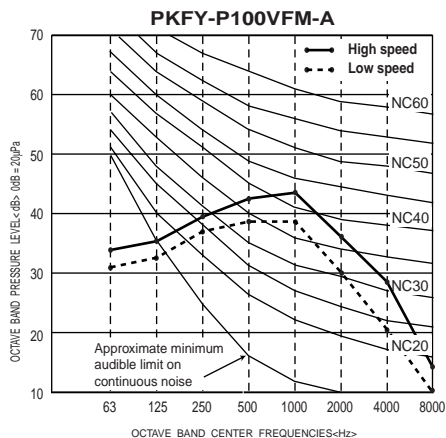
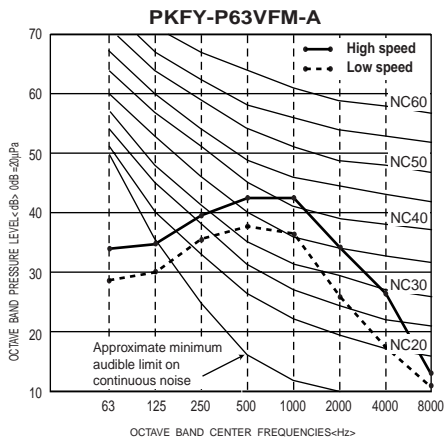
Noise level at anechoic room  
(Low-Middle2-Middle1-High)

Unit : dB(A)

Model	Noise level (A weighted)
PKFY-P63VFM-A	39-45 (Low-High)
PKFY-P100VFM-A	41-46 (Low-High)

PKFY(NON-CE)

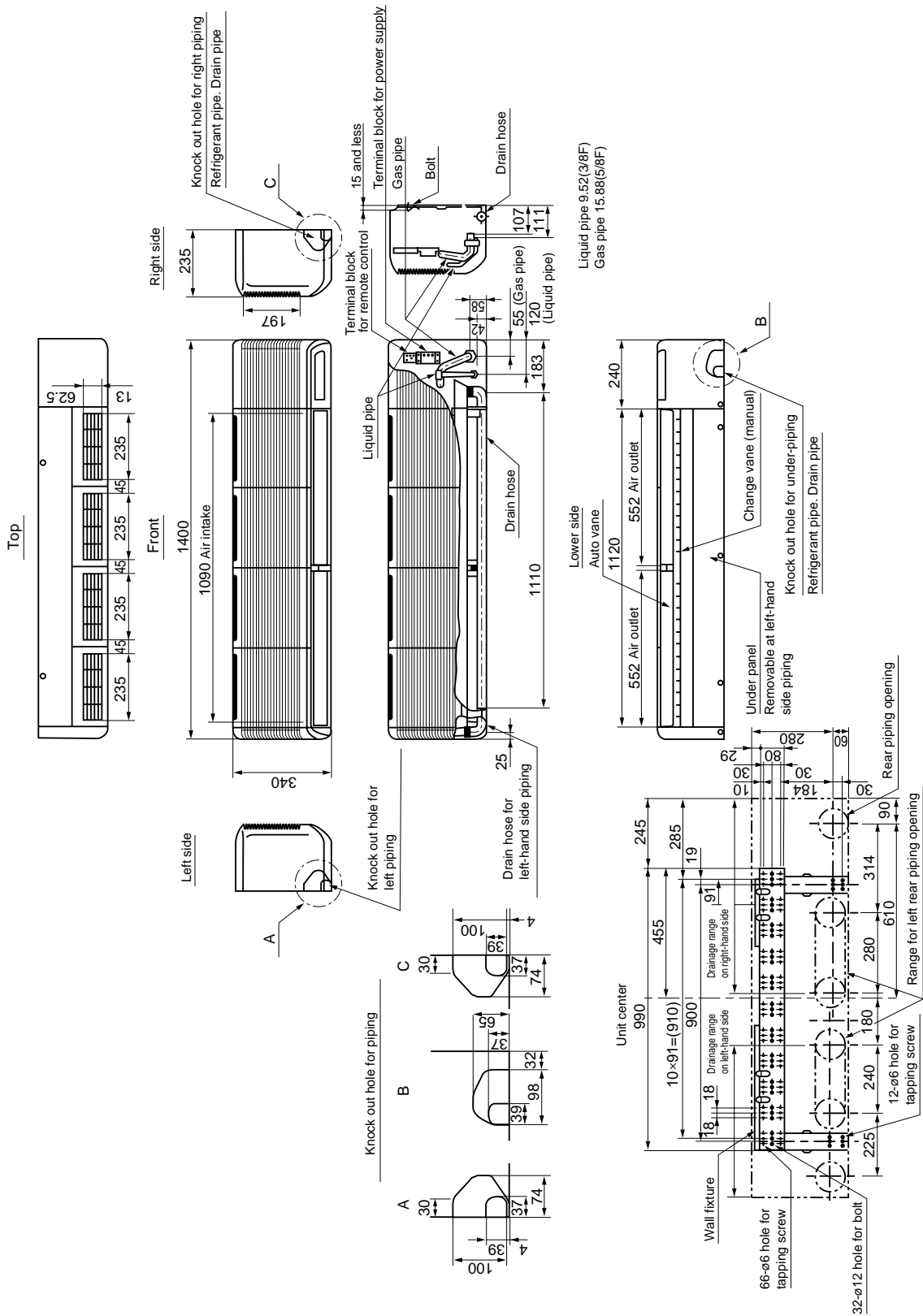
3-2. NC curves



# 4. External Dimensions

PKFY-P63VFM-A

Unit : mm



PKFY(NON-CE)

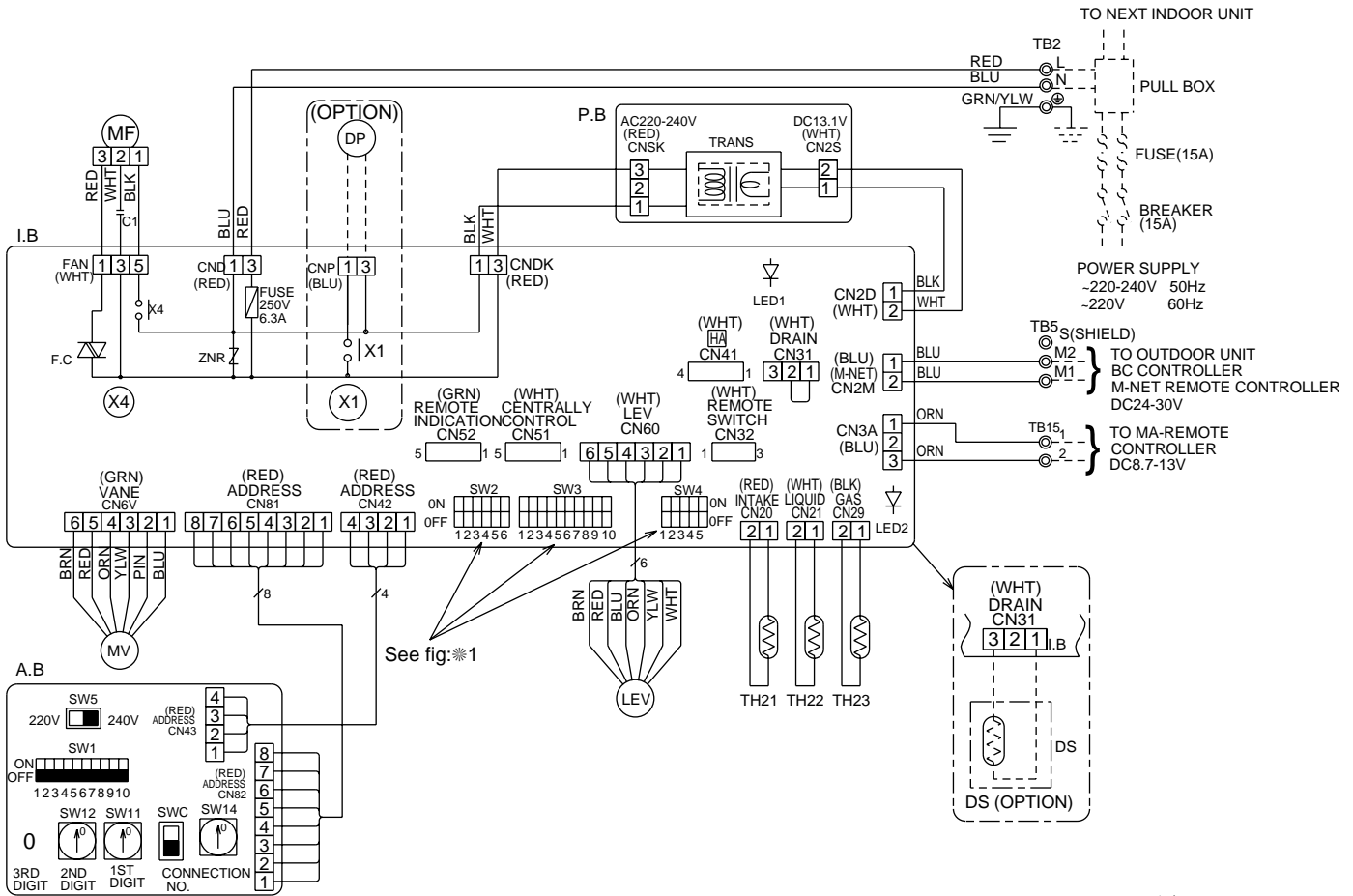


# 5. Electrical Wiring Diagram

## 5-1 PKFY-P-VFM-A

PKFY-P63VFM-A, PKFY-P100VFM-A

Symbol	Name	Symbol	Name	Symbol	Name
I.B	Indoor controller board	TH21	Thermistor	A.B	Circuit board
CN32	Connector	TH22	Thermistor	SW1	Switch
CN41	Remote switch	TH23	Thermistor	SW5	Mode selection
CN51	HA terminal-A	MF	Fan motor (with inner thermostat)	SW11	Voltage selection
CN52	Centrally control	C1	Capacitor (fan motor)	SW12	Address setting 1st digit
CNP	Remote indication	MV	Vane motor	SW14	Address setting 2nd digit
CNP	Drain-up machine	DP	Indoor power board	SWC	Option selector
SW2	Switch	DP	Drain-up machine (OPTION)		
SW3	Capacity code	DS	Drain sensor (OPTION)		
SW4	Mode selection				
SW4	Model selection				
ZNR	Varistor				
X4	Aux.Relay (Fan motor)				
X1	Aux.Relay (Drain-up machine)				
FUSE	Fuse (6.3A)				
F.C	Fan phase control				



### NOTE

- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- In case of using MA-Remote controller, please connect to TB15.  
(Remote controller wire is non-polar.)
- In case of using M-NET, please connect to TB5. (Transmission line is non-polar.)
- Symbol[S] of TB5 is the shield wire connection.
- Symbols used in wiring diagram above are,  
⊙: Terminal block, □: Connector.
- The setting of the SW2 dip switches differs in the capacity. For the detail, refer to the fig: \*1.
- Please set the switch SW5 according to the power supply voltage.  
Set SW5 to 240V side when the power supply is 230 and 240 volts.  
When the power supply is 220 volts, set SW5 to 220V side.

< \* 1 >

Models	SW2	SW3	SW4
P63	ON OFF [Diagram]	ON OFF [Diagram]	ON OFF [Diagram]
P100	ON OFF [Diagram]	ON OFF [Diagram]	ON OFF [Diagram]

### Led on indoor board for service

Mark	Meaning	Function
LED1	Main power supply	Main power supply (indoor unit: 220-240V) power on → lamp is lit
LED2	Power supply for MA-Remote controller	Power supply for MA-Remote controller on → lamp is lit

PKFY(NON-CE)