A.8.2 WIRING DIAGRAM

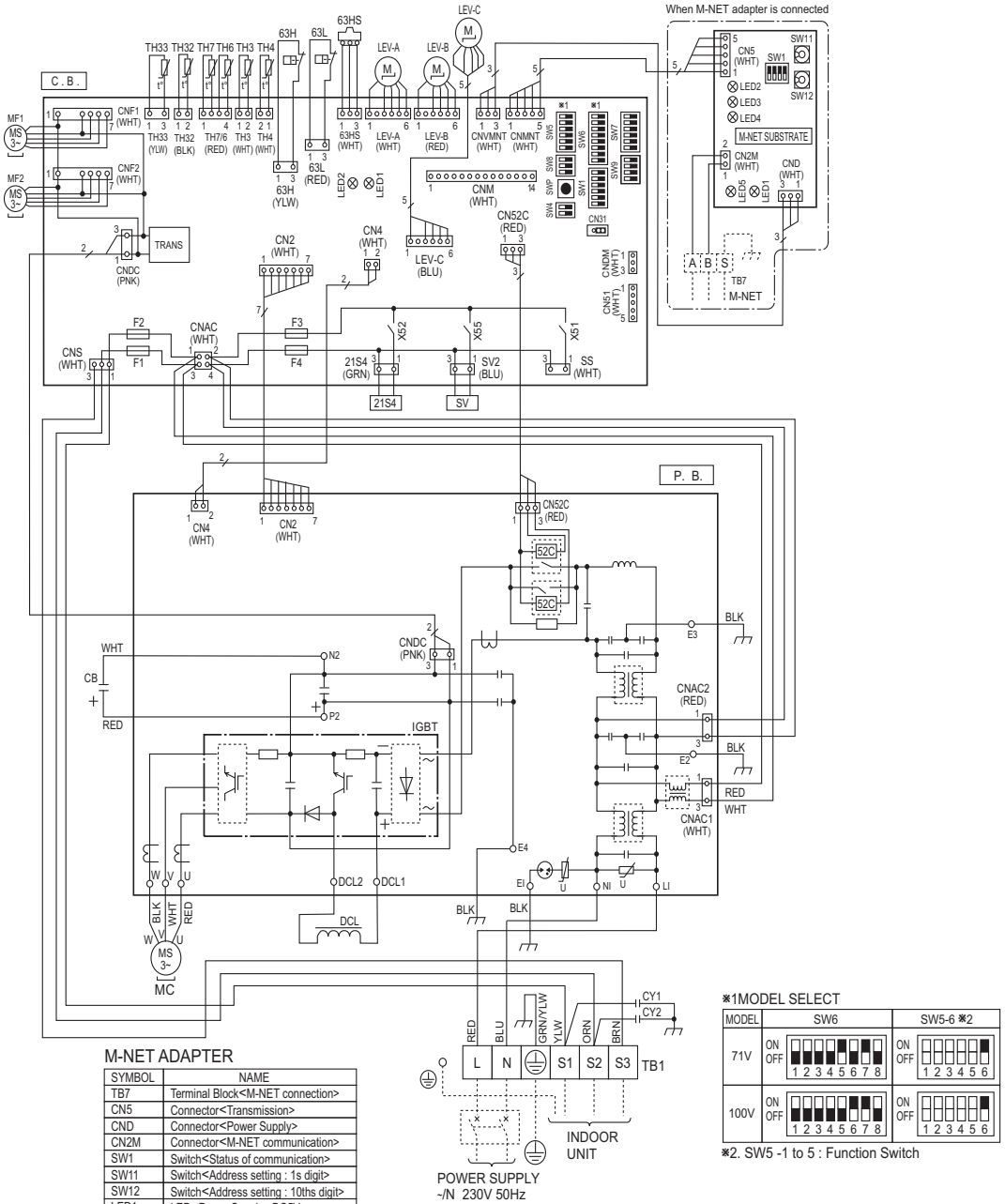
A.8.2.1 INVERTER MODELS Heat pump type

1. PUHZ-HRP•HA2

PUHZ-HRP71VHA2 PUHZ-HRP100VHA2

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply, Indoor/Outdoor>	P.B.	Power Circuit Board	SS	Connector<Connection for Option>
MC	Motor for Compressor	U/V/W	Connection Terminal<U/V/W-Phase>	CNM	Connector<A-Control Service Inspection Kit>
MF1, MF2	Fan Motor	LI	Connection Terminal <L-Phase>	CNDM	Connector < Connected for Option (Contact Input)>
21S4	Solenoid Valve (Four-Way Valve)	NI	Connection Terminal<N-Phase>	LED1,LED2	LED<Operation Inspection Indicators>
SV	Solenoid Valve (Bypass Valve)	DCL1, DCL2	Recator	F1~F4	Fuse< T6.3AL250V>
63H	High Pressure Switch	IGBT	Power Module	X51,X52,X55	Relay
63L	Low Pressure Switch	E1,E2,E3,E4	Connection Terminal (Ground)		
63HS	High Pressure Sensor	C.B.	Controller Circuit Board		
TH3	Thermistor<Liquid>	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>		
TH4	Thermistor<Discharge>	SW4	Switch<Test Operation>		
TH6	Thermistor<2-Phase>	SW5	Switch<Function Switch>		
TH7	Thermistor<Ambient>	SW6	Switch<Model Select>		
TH32	Thermistor<Suction>	SW7	Switch<Function Setup>		
TH33	Thermistor<Ref. check>	SW8	Switch<Function Setup>		
LEV-A, LEV-B,LEV-C	Electronic Expansion Valve	SW9	Switch		
DCL	Reactor	SWP	Switch<Pump Down>		
CB	Main Smoothing Capacitor	CN31	Connector<Emergency Operation>		
CY1,CY2	Capacitor				



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block<M-NET connection>
CN5	Connector<Transmission>
CND	Connector<Power Supply>
CN2M	Connector<M-NET communication>
SW1	Switch<Status of communication>
SW11	Switch<Address setting : 1s digit>
SW12	Switch<Address setting : 10ths digit>
LED1	LED<Power Supply : DC5V>
LED2	LED<Connection to Outdoor Unit>
LED3	LED<Transmission : Sending>
LED4	LED<Transmission : Receiving>
LED5	LED<Power Supply : DC12V>

※1MODEL SELECT

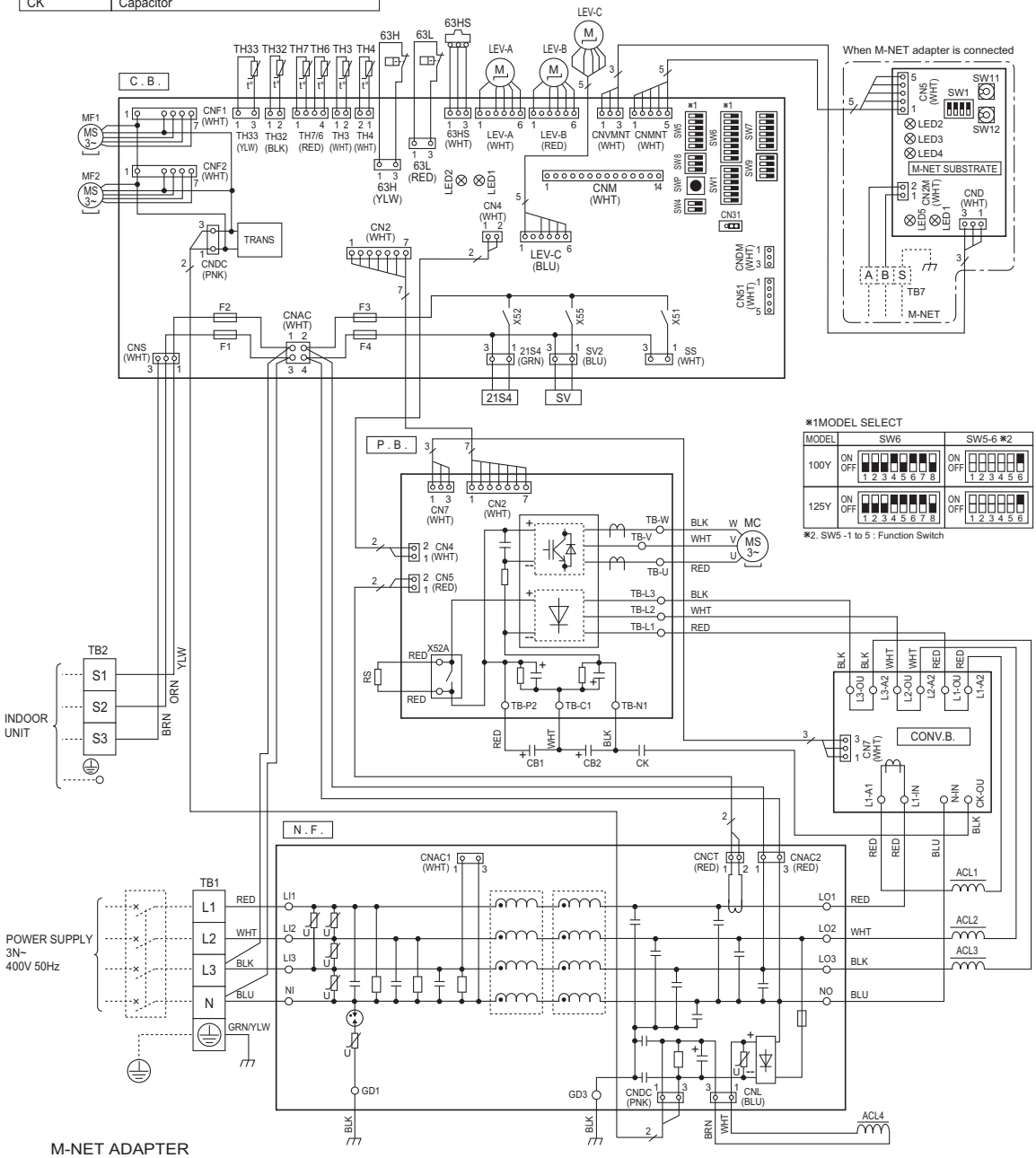
MODEL	SW6	SW5-6 ※2
71V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
100V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

※2. SW5 -1 to 5 : Function Switch

PUHZ-HRP100YHA2 PUHZ-HRP125YHA2

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply>	P.B.	Power Circuit Board	C.B.	Controller Circuit Board
TB2	Terminal Block<Indoor/Outdoor >	TB-U/V/W	Connection Terminal<U/V/W-Phase>	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Adress>
MC	Motor for Compressor	TB-L1/L2/L3	Connection Terminal<L1/L2/L3-Power Supply>	SW4	Switch<Test Operation>
MF1, MF2	Fan Motor	TB-P2	Connection Terminal	SW5	Switch<Function Switch>
21S4	Solenoid Valve (Four-Way Valve)	TB-C1	Connection Terminal	SW6	Switch<Model Select>
SV	Solenoid Valve (Bypass Valve)	TB-N1	Connection Terminal	SW7	Switch<Function Setup>
63H	High Pressure Switch	X52A	52C Relay	SW8	Switch<Function Setup>
63L	Low Pressure Switch	N.F.	Noise Filter Circuit Board	SW9	Switch
63HS	High Pressure Sensor	L1/L2/L3/NI	Connection Terminal<L1/L2/L3/N-Power Supply>	SWP	Switch<Pump Down>
TH3	Thermistor<Liquid>	L01/L02/L03/N0	Connection Terminal<L1/L2/L3/N-Power Supply>	CN31	Connector<Emergency Operation>
TH4	Thermistor<Discharge>	GD1, GD3	Connection Terminal<Ground>	SS	Connector< Connection for Option>
TH6	Thermistor<Outdoor 2-Phase Pipe>	CONV.B.	Converter Circuit Board	LED1, LED2	LED<Operatiion Inspection Indicators>
TH7	Thermistor<Outdoor>	L1-A1/IN	Connection Terminal<L1-Power Supply>	CNM	Connector<A-Control Service Inspection Kit>
TH32	Thermistor<Suction>	L1-A2/OU	Connection Terminal<L1-Power Supply>	CNDM	Connector < Connection for Option(Contact Input)>
TH33	Thermistor<Ref. chech>	L2-A2/OU	Connection Terminal<L2-Power Supply>	F1~F4	Fuse<T6.3AL250V>
LEV-A, LEV-B, LEV-C	Electronic Expansion Valve	L3-A2/OU	Connection Terminal<L3-Power Supply>	X51,X52,X55	Relay
ACL1~ACL4	Reactor	N-IN	Connection Terminal		
RS	Rush Current Protect Resistor	CK-OU	Connection Terminal		
CB1, CB2	Main Smoothing Capacitor				
CK	Capacitor				



M-NET ADAPTER

TB7	Terminal Block<M-NET connection >	SW12	Switch<Address setting. 10ths digit >
CN5	Connector<Transmission>	LED1	LED<Power Supply: DC5V>
CND	Connector<Power Supply>	LED2	LED<Connection to Outdoor Unit>
CN2M	Connector<M-NET communication>	LED3	LED<Transmission: Sending>
SW1	Switch<Status of communication>	LED4	LED<Transmission: Receiving>
SW11	Switch<Address setting: 1s digit>	LED5	LED<Power Supply: DC12V>