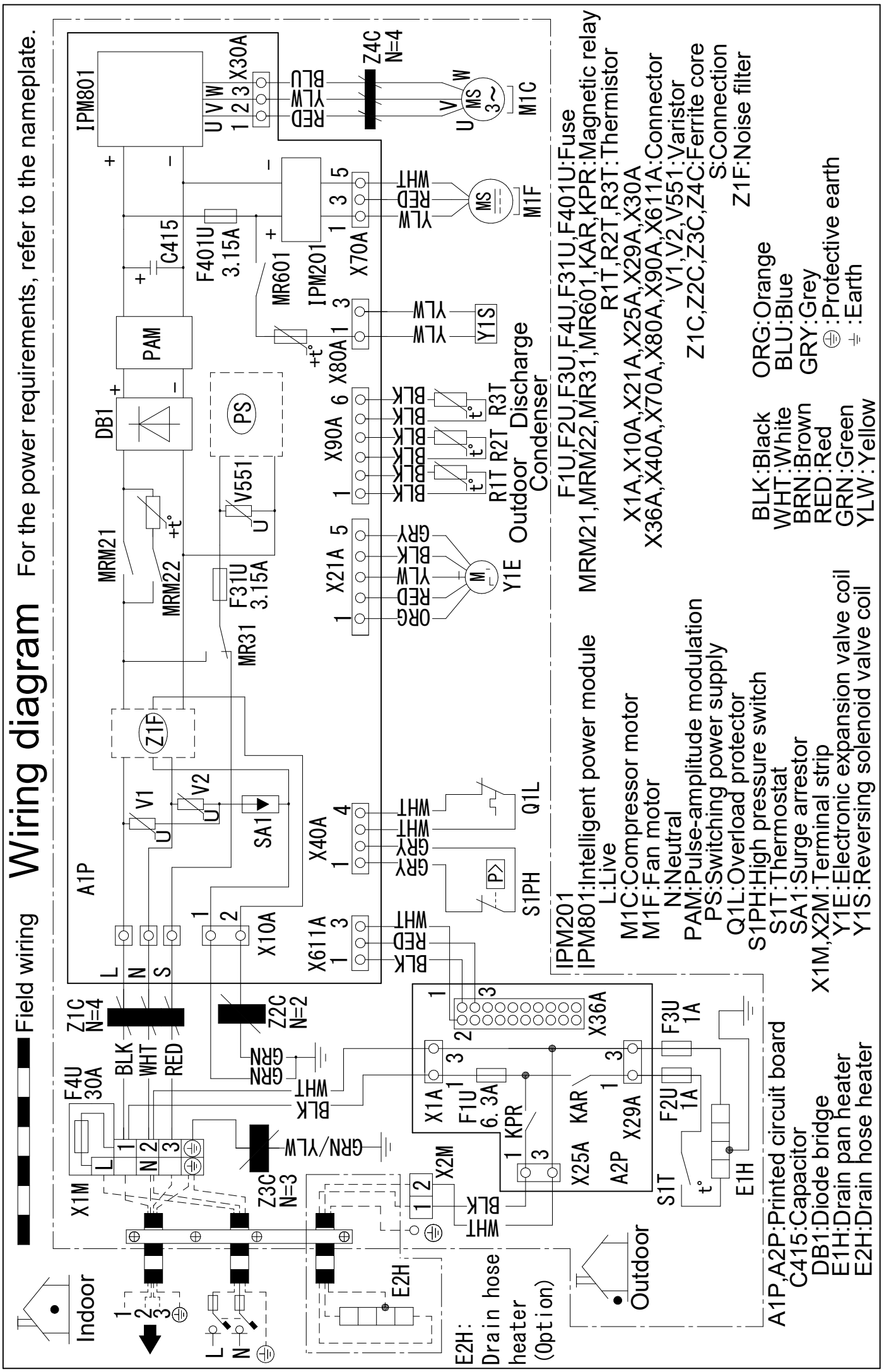
Wiring diagram
For the power requirements, refer to the nameplate.
Field wiring
IPM801
IPM201
PAM
DB1
PS
C415
F401U 3.15A
F31U 3.15A
MR601
MR31
MRM21
MRM22
V551
V1
V2
SA1
Z1F
A1P
X30A
X70A
X80A
X90A
X21A
X40A
X10A
X611A
X36A
X1A
X29A
X25A
A2P
X1M
X2M
Z1C N=4
Z2C N=2
Z3C N=3
Z4C N=4
F4U 30A
F1U 6.3A
F2U 1A
F3U 1A
KPR
KAR
S1T
E1H
E2H
Q1L
S1PH
Y1E
Y1S
M1C
M1F
M1F
Indoor
Outdoor
E2H: Drain hose heater (Option)
Outdoor Discharge Condenser
R1T R2T R3T
IPM201
IPM801:Intelligent power module
L:Live
M1C:Compressor motor
M1F:Fan motor
N:Neutral
PAM:Pulse-amplitude modulation
PS:Switching power supply
Q1L:Overload protector
S1PH:High pressure switch
S1T:Thermostat
SA1:Surge arrestor
X1M,X2M:Terminal strip
Y1E:Electronic expansion valve coil
Y1S:Reversing solenoid valve coil
F1U,F2U,F3U,F4U,F31U,F401U:Fuse
MRM21,MRM22,MR31,MR601,KAR,KPR:Magnetic relay
R1T,R2T,R3T:Thermistor
X1A,X10A,X21A,X25A,X29A,X30A
X36A,X40A,X70A,X80A,X90A,X611A:Connector
V1,V2,V551:Varistor
Z1C,Z2C,Z3C,Z4C:Ferrite core
S:Connection
Z1F:Noise filter
BLK:Black
WHT:White
BRN:Brown
RED:Red
GRN:Green
YLW:Yellow
ORG:Orange
BLU:Blue
GRY:Grey
:Protective earth
:Earth
A1P,A2P:Printed circuit board
C415:Capacitor
DB1:Diode bridge
E1H:Drain pan heater
E2H:Drain hose heater