



Service Information

Air Conditioning Split AMD 320

8530 320 01000

Last Modification: 03/30/09

Creation Date: 03/28/09

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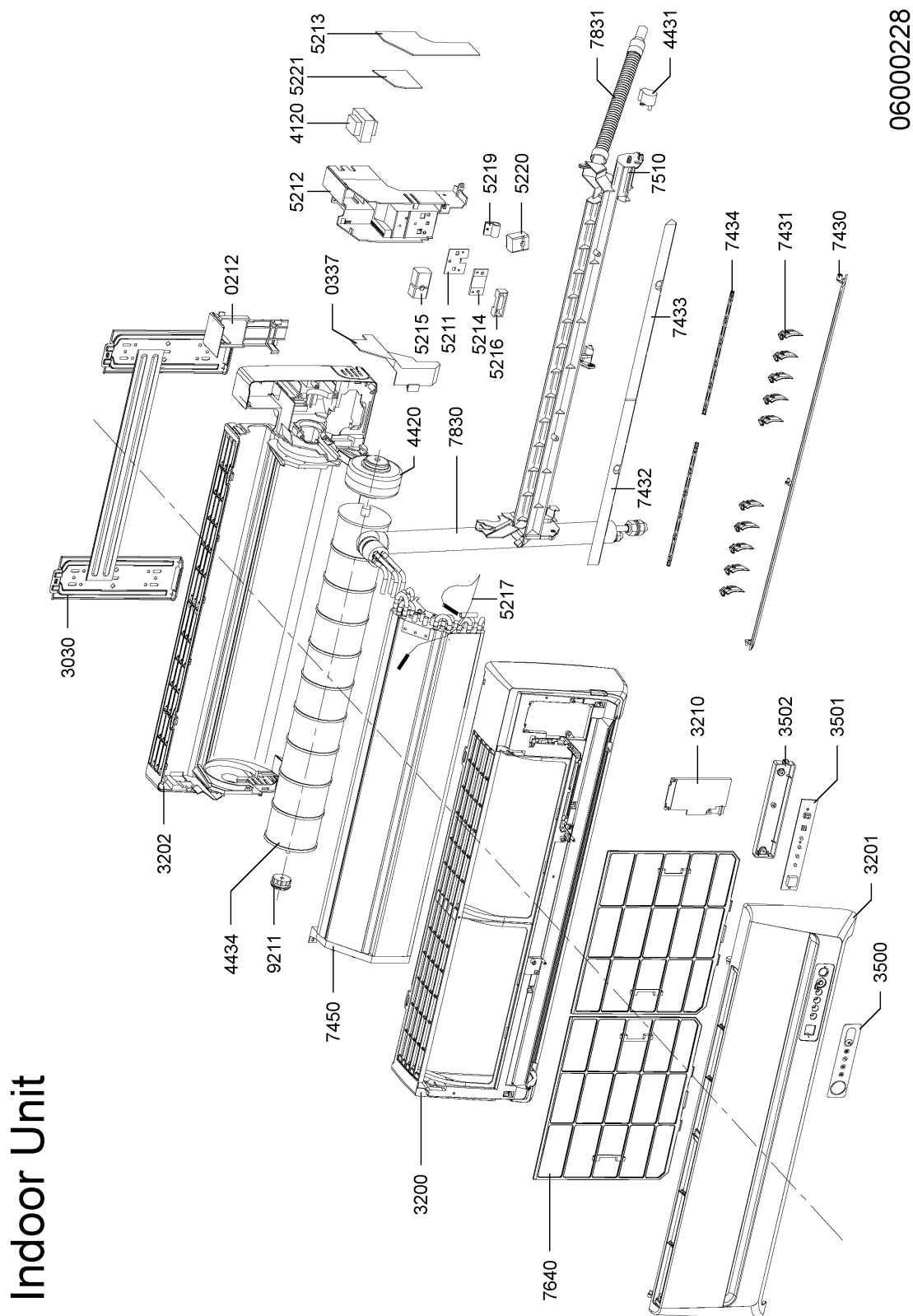
This document is only intended for qualified technicians who are aware of the respective safety regulations.
Subject to modifications

Spare Part List

Pos	12NC	Description
004 6	4801 501 00399	Support
021 0	4801 501 00401	Grille front
021 1	4801 501 00402	Cover front
021 2	4812 464 48263	Clamp Cabinet
033 0	4801 501 00403	Cover top
033 2	4801 501 00404	Panel right
033 3	4801 501 00405	Base
033 4	4801 501 00406	Grille rear
033 5	4801 501 00407	Panel Insulation
033 7	4812 462 29432	Profiled seal
033 8	4801 501 00408	Cover Valve
033 9	4801 501 00409	Electronic box
034 0	4801 501 00411	Bracket Motor
303 0	4812 404 78948	Bracket
320 0	4801 501 00118	Cabinet
320 1	4801 501 00119	Panel front
320 2	4801 501 00121	Chassis
321 0	4801 501 00122	Plate protect.
350 0	4801 501 00123	Panel Display board
350 1	4801 501 00124	Display PCB
350 2	4801 501 00125	Cover Display board
402 0	4801 501 00412	Compressor
412 0	4801 501 00127	Transformer
420 0	4801 501 00129	Capacitor
420 1	4801 501 00413	Capacitor Motor
440 0	4801 501 00414	Motor Outdoor
442 0	4801 501 00415	Motor Indoor
443 0	4801 501 00416	Fan wheel Outdoor
443 1	4801 501 00135	Steppin motor
443 4	4812 515 18037	Fan wheel Indoor
521 0	4801 501 00136	Terminal Board
521 1	4801 501 00137	Support Clamp
521 2	4801 501 00138	Electronic box
521 3	4801 501 00417	Control board
521 4	4812 290 28029	Clamp
521 5	4801 501 00141	Terminal Board
521 6	4801 501 00142	Clamp
521 7	4801 501 00143	Sensor Indoor
521 9	4801 501 00145	Clamp
522 0	4801 501 00146	Terminal Board
522 1	4801 501 00304	Power unit
740 0	4801 501 00419	Condenser
743 0	4801 501 00151	Batten
743 1	4801 501 00152	Deflector
743 2	4801 501 00153	Drain strip
743 3	4801 501 00154	Drain strip
743 4	4812 404 88127	Rail Lever
745 0	4801 501 00421	Evaporator
751 0	4801 501 00156	Drain strip
764 0	4812 580 38023	Air clean filt.

Pos	12NC	Description
781 0	4801 501 00157	Valve 2-way
781 2	4801 501 00422	Valve 4-way
781 5	4801 501 00423	Capillary tube
781 9	4801 501 00424	Support Valve
782 0	4801 501 00425	Valve 3-way
783 0	4801 501 00426	Pipe
783 1	4812 530 08019	Drainpipe
921 1	4812 520 48017	Bearing

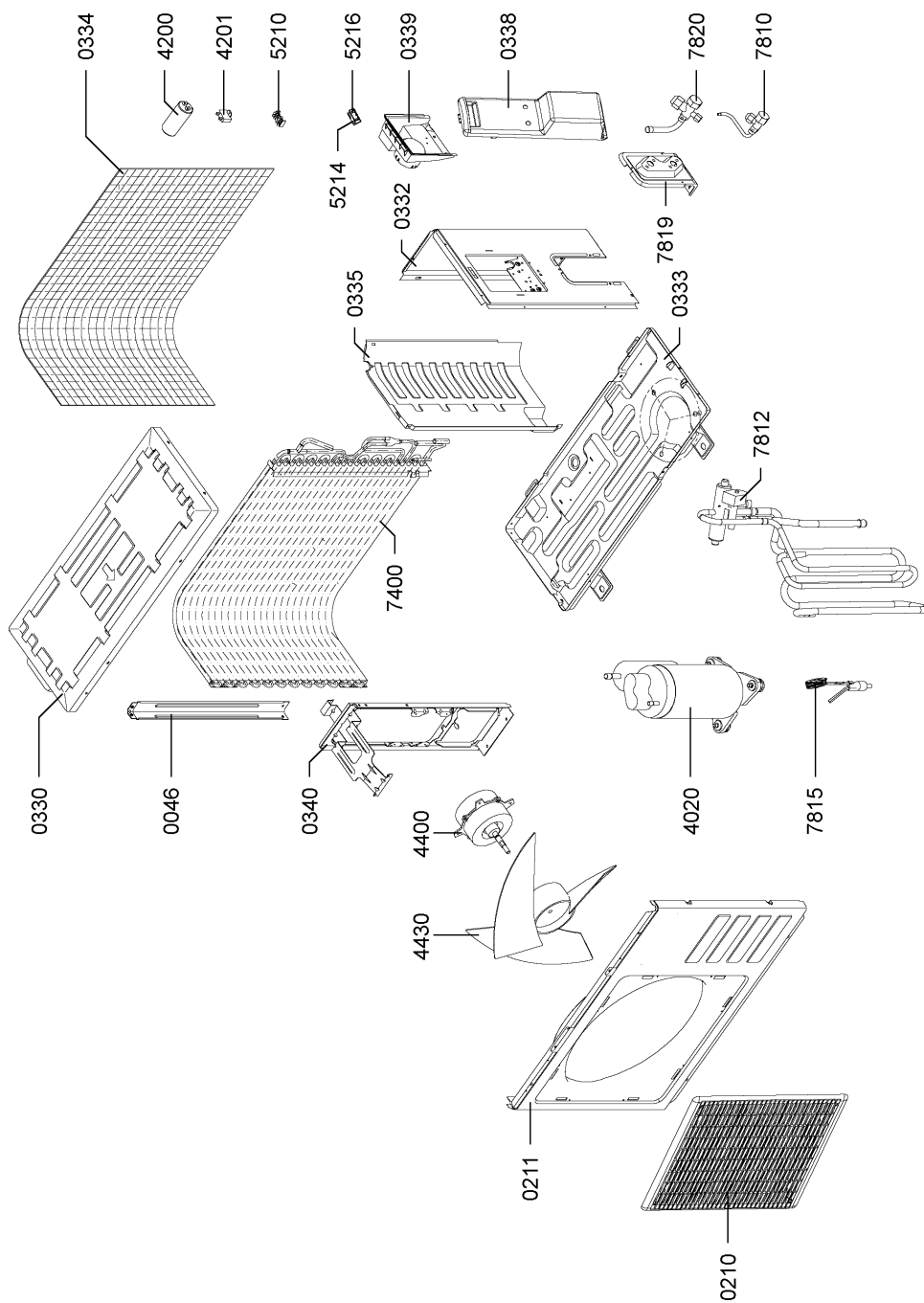
Exploded View



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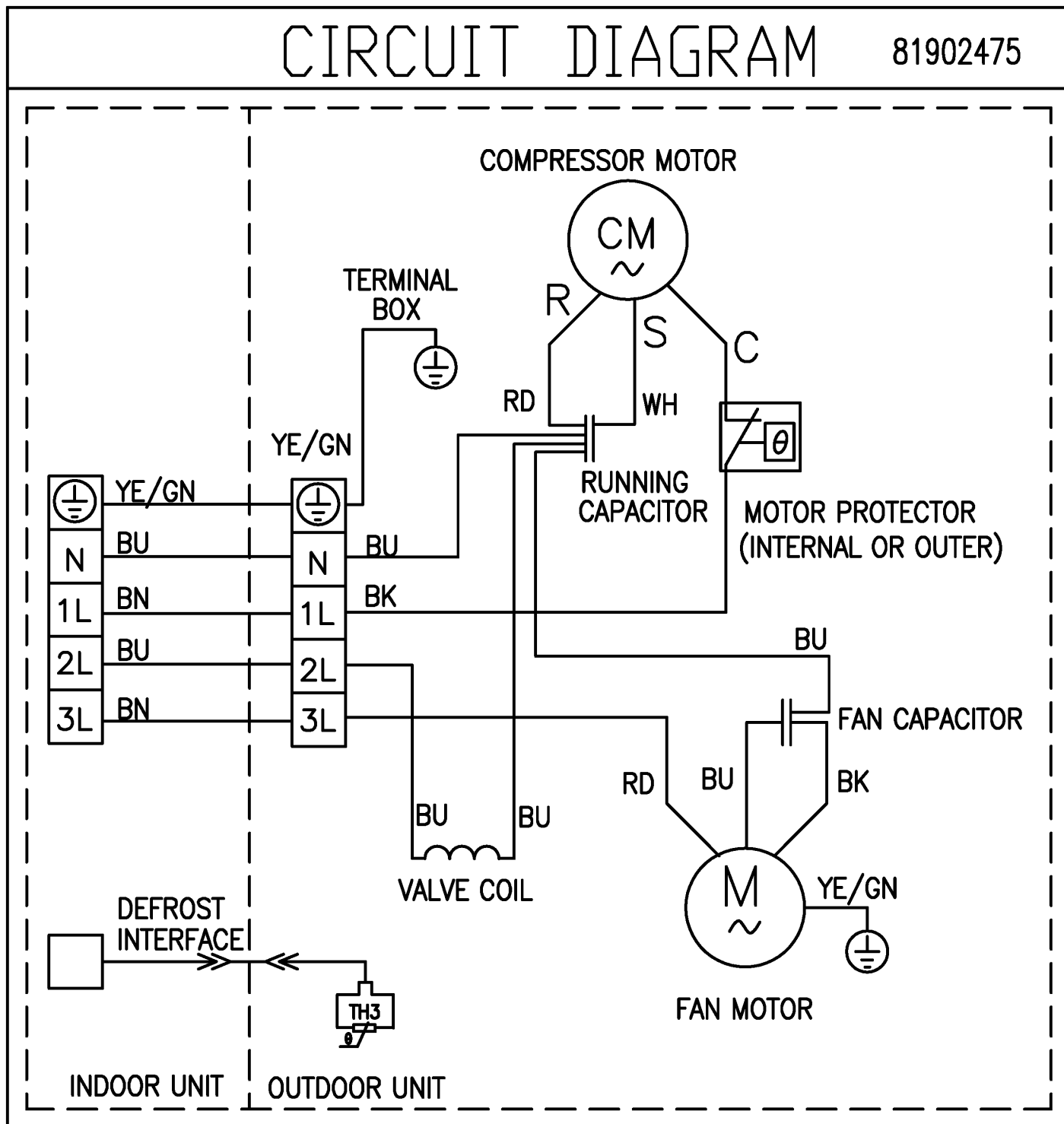
Exploded View

Outdoor Unit



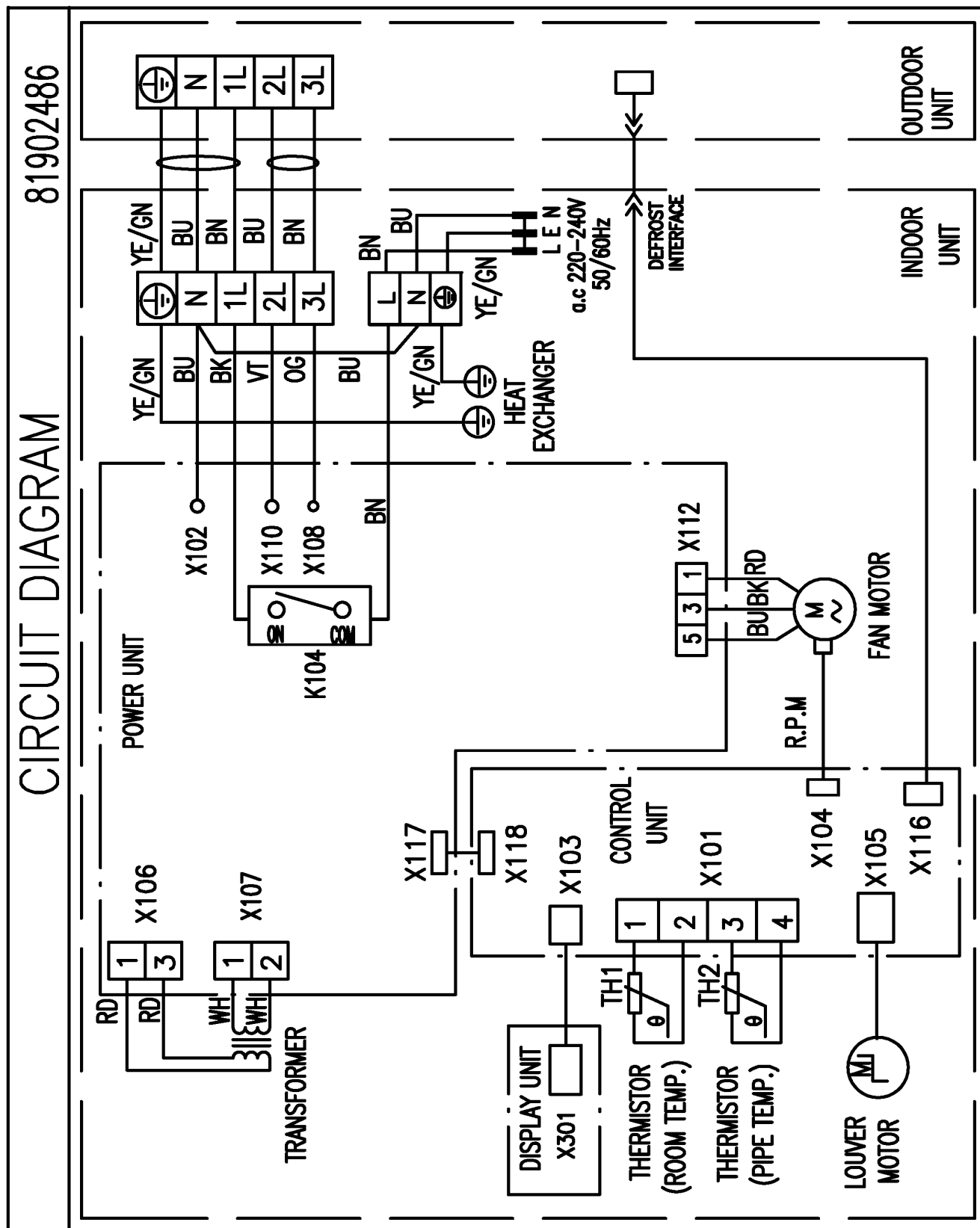
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Circuit Diagram



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Circuit Diagram



06000220

Technical Data

Factory Code

.....AS-07HR4FYCUV

Operation type

Cooling / Heating

Dimensions + Weight

Indoor-unit	
Height	240 mm
Width	770 mm
Depth	179 mm
Outdoor-unit	
Height	510 mm
Width	692 mm
Depth	250 mm
Weight	
Indoor-unit	8 kg/net
Outdoor-unit	23 kg/net

Capacity

Cooling	2345 W, 8000 BTU/h
Heating	2345 W, 8000 BTU/h

Electrical base data

Voltage	220 V - 240 V
Frequency	50 Hz

Rated current

Cooling	3.63 A
Heating	3.12 A

Energy Class

Cooling	B
Heating	B

Energy Efficiency Rate

Cooling	10.41 BTU/Wh
Heating	12.13 BTU/Wh

Refrigerant

Type	R 22
Quantity	630 g

Dehumidifying Capacity

..... 0.8 l/h

Airflow / Evaporator AirvolumeMAX 308 m³/h - 420 m³/h**Noise level**

Indoor-unit 32 dB(A) - 38 dB(A)

Outdoor-unit 52 dB(A)

Tubing diameter

Liquid line 1/4 dia(inch)

Suction line 3/8 dia(inch)

Error Codes

Error Code	For products	Meaning	How to deal with?
E2	7K,9K,12K,18K,24K,f or all On/off series including dual splits AMD016 017 036 037	When the evaporator pipe temperature is higher than 63 degree C, "E2" will display on the panel.	When "E2" displays on the panel, do not worry about it. The unit will stop and restart after the pipe temperature lower than 49 degree C.
E4	only for 7K,9K,12K models with special fan motor runing at the speed controled by programm.The other models(18k 24k) have no this code.	When the indoor fan speed is lower than 200 rpm, "E4" will display on the panel.	When "E4" display on the panel, you should check if there are something block the indoor fan or the fan motor's terminals connect with PCB steadily. Otherwise you should change a new fan motor.
EA	VE UV panels double CMOS chips(including all products of global slit project)	Communication fault, only apply to global split project. (Non double CMOS chips design has this error code.)	When "EA" display on the panel, check the display board wiring connection, or change the display board directly.

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