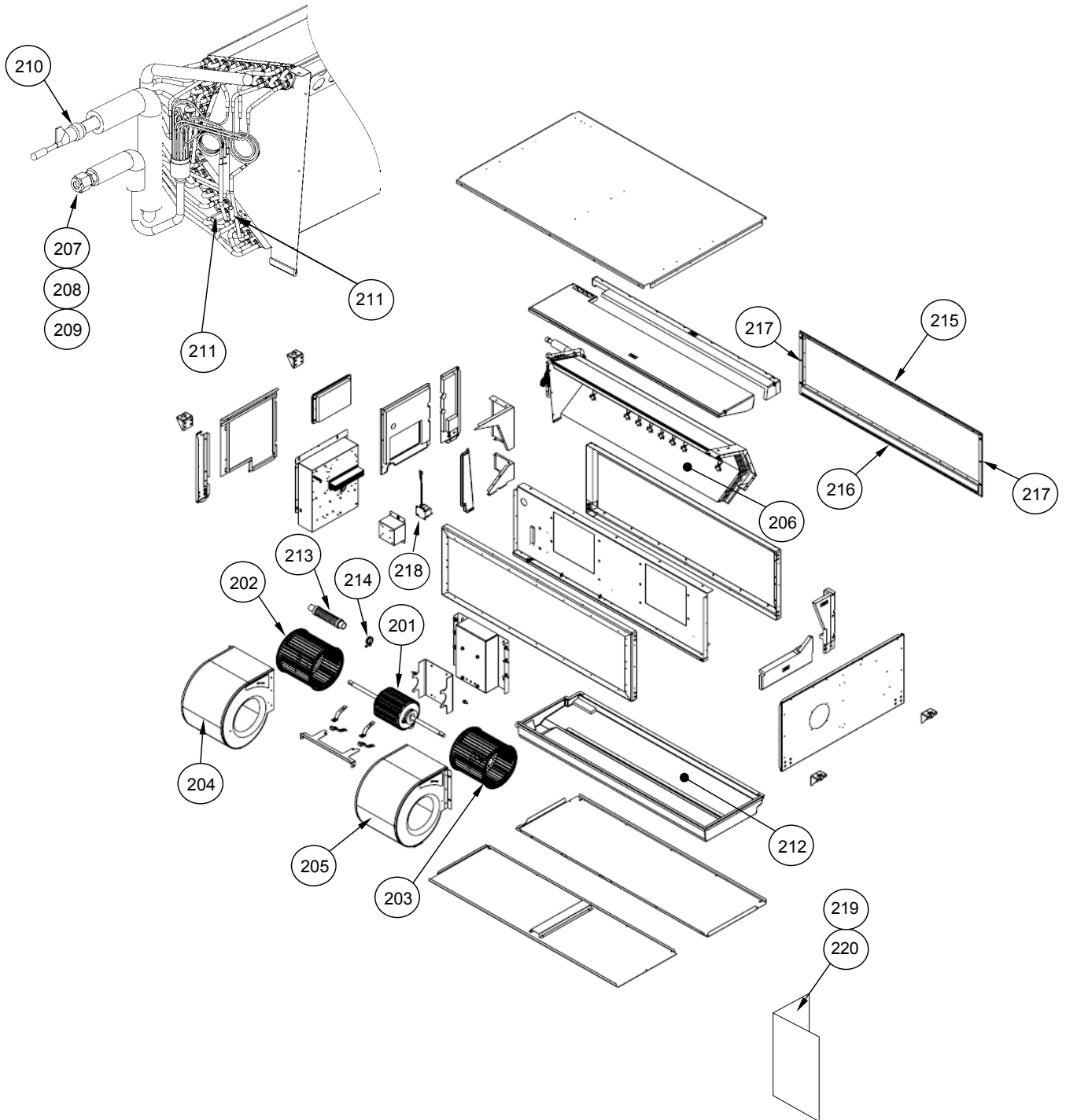


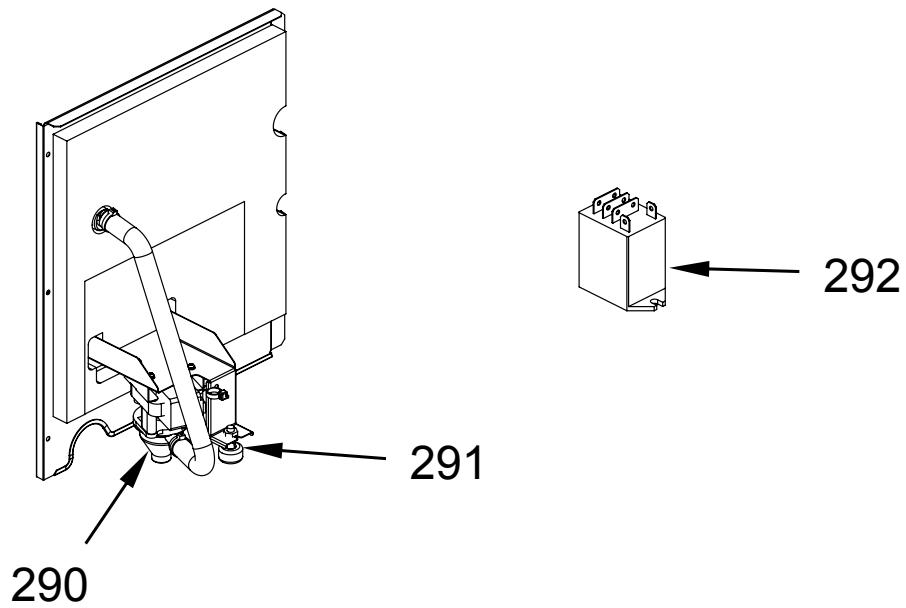
# 12. EXPLODED VIEWS AND PARTS LIST

## 12-1. RAV-SM2244DTP-E(TR), RAV-SM2804DTP-E(TR)



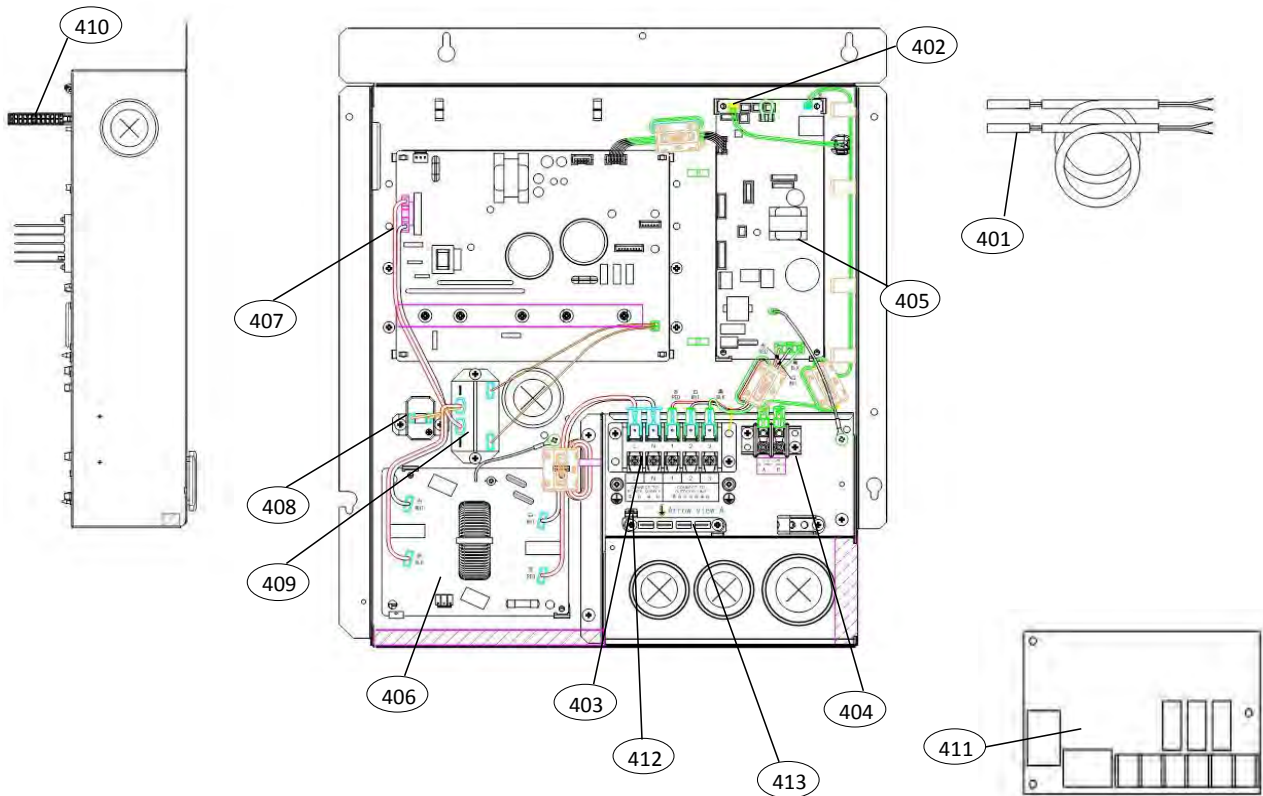
Location No.	Part No.	Description	Q'ty/Set RAV-			
			SM2244 DTP-E	SM2804 DTP-E	SM2244 DTP-TR	SM2804 DTP-TR
201	43T21463	MOTOR, FAN	1	1	1	1
202	43T20346	FAN, MULTI BLADE, LEFT	1	1	1	1
203	43T20345	FAN, MULTI BLADE, RIGHT	1	1	1	1
204	43T22347	CASE, FAN, LEFT	1	1	1	1
205	43T22346	CASE, FAN, RIGHT	1	1	1	1
206	43T44574	REFIGERATION CYCLE ASSY	1	1	1	1
207	43T47333	BONNET, 12.7 DIA	1	1	1	1
208	43T82333	SOCKET, LIQUID	1	1	1	1
209	43T97317	NUT, FLARE, 1/2 IN	1	1	1	1
210	43T82334	JOINT, PIPE, 22.2-28.6 DIA	1	1	1	1
211	43T19333	HOLDER, SENSOR	2	2	2	2
212	43T72326	PAN ASSY, DRAIN	1	1	1	1
213	43T70315	HOSE, DRAIN	1	1	1	1
214	43T83311	BAND, HOSE	1	1	1	1
215	43T39371	FLANGE, UPPER	1	1	1	1
216	43T39372	FLANGE, LOWER	1	1	1	1
217	43T39373	FLANGE ,SIDE	2	2	2	2
218	43T58332	REACTOR	1	1	1	1
219	43T85624	OWNER'S MANUAL	1	1		
220	43T85625	OWNER'S MANUAL			1	1

12-2. Drain pump kit (TCB-DP40DPE)



Location No.	Part No.	Description	Q'ty/Set
			TCB-DP40DPE
290	43T77302	PUMP DRAIN	1
291	43T51313	FLOAT SWITCH	1
292	43T54325	RELAY	1

## 12-3. Electric Parts



Location No.	Parts No.	Description	Q'ty/Set		RAV-	
			SM2244 DTP-E	SM2804 DTP-E	SM2244 DTP-TR	SM2804 DTP-TR
401	43T50347	SENSOR ASSY, SERVICE	2	2	2	2
402	43T50476	SERVICE-SENSOR	1	1	1	1
403	43T60387	TERMINAL BLOCK:5P	1	1	1	1
404	43T60362	TERMINAL	1	1	1	1
405	43T6V754	ASM-PCB-SERV	1	1	1	1
406	43T6V670	ASM-PCB-SERV	1	1	1	1
407	43T6V671	ASM-PCB-SERV	1	1	1	1
408	43T50345	THERMISTOR, PTC	1	1	1	1
409	43T54324	POWER-RELAY	1	1	1	1
410	43T63356	HOLDER-TA	1	1	1	1
411	43459017	ASM-PCB(OP)	1	1	1	1
412	43T63348	CLAMP, DOWN	1	1	1	1
413	43T63349	CLAMP, UP	1	1	1	1

# WARNINGS ON REFRIGERANT LEAKAGE

## Check of Concentration Limit

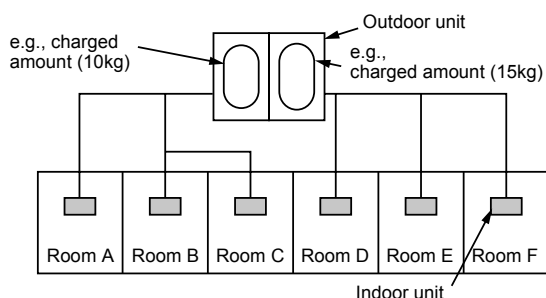
The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its concentration will not exceed a set limit. The refrigerant R410A which is used in the air conditioner is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws to be imposed which protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its concentration should rise excessively. Suffocation from leakage of R410A is almost non-existent. With the recent increase in the number of high concentration buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, energy conservation by curtailing heat and carrying power etc. Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared with conventional individual air conditioners. If a single unit of the multi conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its concentration does not reach the limit (and in the event of an emergency, measures can be made before injury can occur). In a room where the concentration may exceed the limit, create an opening with adjacent rooms, or install mechanical ventilation combined with a gas leak detection device. The concentration is as given below.

$$\frac{\text{Total amount of refrigerant (kg)}}{\text{Min. volume of the indoor unit installed room (m}^3\text{)}} \leq \text{Concentration limit (kg/m}^3\text{)}$$

The concentration limit of R410A which is used in multi air conditioners is 0.3kg/m<sup>3</sup>.

### NOTE 1 :

If there are 2 or more refrigerating systems in a single refrigerating device, the amounts of refrigerant should be as charged in each independent device.



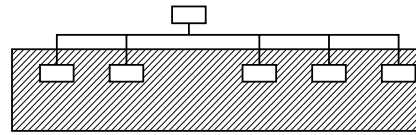
For the amount of charge in this example:  
 The possible amount of leaked refrigerant gas in rooms A, B and C is 10kg.  
 The possible amount of leaked refrigerant gas in rooms D, E and F is 15kg.

## Important

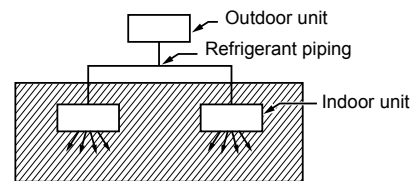
### NOTE 2 :

The standards for minimum room volume are as follows.

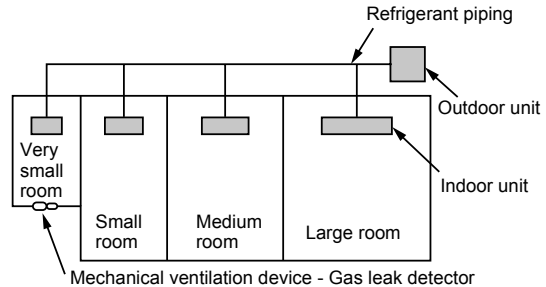
- (1) No partition (shaded portion)



- (2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).

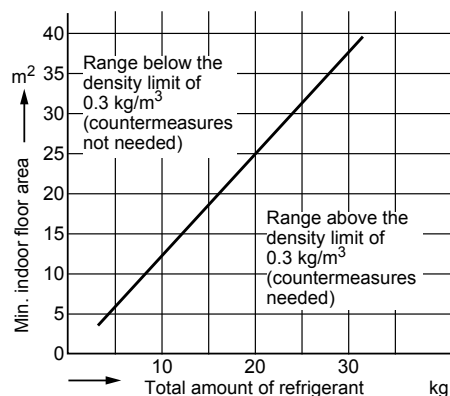


- (3) If an indoor unit is installed in each partitioned room and the refrigerant piping is interconnected, the smallest room of course becomes the object. But when a mechanical ventilation is installed interlocked with a gas leakage detector in the smallest room where the density limit is exceeded, the volume of the next smallest room becomes the object.



### NOTE 3 :

The minimum indoor floor area compared with the amount of refrigerant is roughly as follows:  
 (When the ceiling is 2.7m high)



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