

PRODUCT BULLETIN

SMMSe Connection updates for Fresh Air Intake Unit

• SMMSe Updates

TOSHIBA are pleased to announce the SMMSe connection updates for the Fresh Air Intake Indoor unit to join the VRF system line up.

1. Indoor Unit

Line-Up		
HP	Model Name	Capacity Cooling/Heating
5	MMD-AP0481HFE	14.0/8.0
8	MMD-AP0721HFE	22.4/13.9
10	MMD-AP0961HFE	28.0/17.4

2. Combination Chart

Combination Chart								
HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP
1 Unit	8	10	-	-	-	-	-	-
2 Units	-	5+5	-	8+5	8+8	10+8	10+10	-
	-	-	-	-	10+5	-	-	-
3 Units	-	-	-	-	5+5+5	8+5+5	10+5+5	8+8+5

3. Production Date

SMMSe Heat pump systems:

- New software will be applied to the SMMSe mass production from Aug 2016 in TCTC. These new SMMSe units will have a serial number higher than "62800001".
- In case of having units with lower serial number (which means it was produced before July), it is necessary to change to the new SMMS-e interface PCB. The new PCB's service code is "43T6V831".
- Note: The new software update will reduce the Interval between defrost operation to 30min from 55min. Temperature sensor data on NFC might be wrong. Please, check the 7-segment display on the PCB interface for installation and commissioning.

Serial Number Pattern

6 2 8 00001

Sequence number

Production month *Note1

28 means Aug

Production year

6 means 2016

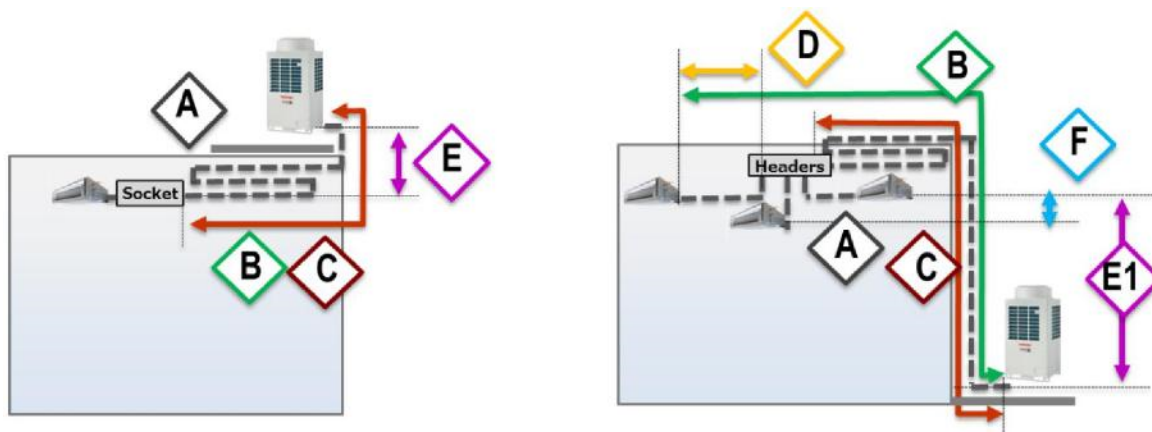
*Note1

TCTC	Month
21	January
22	February
23	March
24	April
25	May
26	June
27	July
28	August
29	September
30	October
31	November
32	December

4. Specifications

			ALL Fresh Air Intake Indoor Units		
			Heat Pump		Current Rules (*1)
			1 Unit	2/3 units	
Total extension of pipe (Liquid pipe)		A	300m		300m
Farthest equivalent length	Equivalent	B	150m		235m
	Actual		130m		190m
Main piping length (Max / Min)	Equivalent	C	- / -		120m / -
	Actual		100m / 50m		100m / -
Farthest equivalent piping length from the 1st branching section	ODU-IDU less than 3m	D	-	30m	90m
	ODU-IDU more than 3m	D	-	30m	65m
Height between outdoor and indoor units	Upper outdoor units	E	40m		70m
	Lower outdoor units	E1	3m		40m
Height between indoor units		F	-	0.5m	- 0.5m
Maximum capacity ratio related to the indoor units			100%		30%

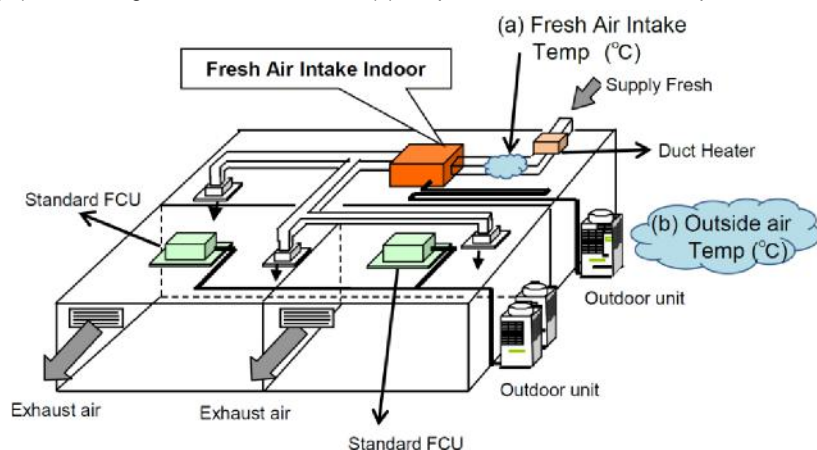
(*1): these rules can still be used as long as all the requirements are met, including the 30% maximum connection ratio and 2 units maximum



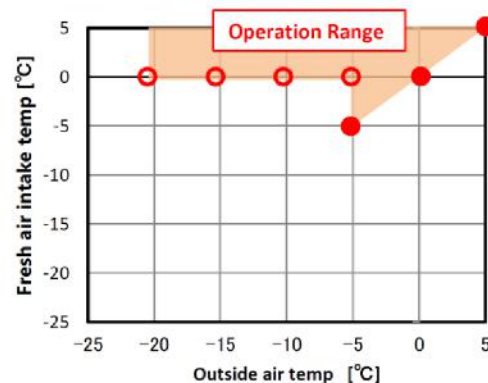
			ALL Fresh Air Intake Indoor Units	
			Heat Pump system (1 / 2 / 3 units)	Current Rules (*1)
Cooling Mode	Fresh Air Intake	°C	5 (*3) - 46	5 - 43
	Outdoor Unit	°C	5 (*3) - 46	-10 - 46
Heating mode	Fresh Air Intake	°C	-5 (*2) - 24	-10 - 24
	Outdoor Unit	°C	-20 (*2) - 24	-20 - 24

(*2): On heating mode, if the outside air (b) temperature is under -5°C, use the duct heater (locally provided) to warm up the inlet temperature of the fresh air intake to more than 0°C.

(*3): On cooling mode, if the outside air (b) temperature is under 5°C, the operation will stop automatically. (FAN STOP).



(*2) Operation range (Heating operation)



5. Connectable Units

SMMS _e		
	Standard Model	Anti-Heavy Corrosion Model
Heat Pump	MMY-MAP0806HT8P-E	MMY-MAP0806HT8JP-E
	MMY-MAP1006HT8P-E	MMY-MAP1006HT8JP-E
	MMY-MAP1206HT8P-E	MMY-MAP1206HT8JP-E
	MMY-MAP1406HT8P-E	MMY-MAP1406HT8JP-E
	MMY-MAP1606HT8P-E	MMY-MAP1606HT8JP-E
	MMY-MAP1806HT8P-E	MMY-MAP1806HT8JP-E
	MMY-MAP2006HT8P-E	MMY-MAP2006HT8JP-E
	MMY-MAP2206HT8P-E	MMY-MAP2206HT8JP-E



For further information please contact our customer support team on 0870 843 0333, your local representative, your supplier of **TOSHIBA** products or email any enquiries to: - general.enquiries@toshiba-ac.com