



FOR FRESH AIR PRECONDITIONING

Fresh-air duct unit



Highlights

- Perfect solution for additional inflow of fresh air
- Pre-heating and pre-cooling function
- Can be used in combination with other VRF indoor units



Fresh-air duct unit for combination with VRF outdoor units from the SMMS-e model series. Pre-heating or cooling function in combination with other indoor units. Available in three power levels from 14.0 to 28.0 kW.



Performance

- High energy efficiency
- Can be integrated unseen into false ceilings
- Self-cleaning function
- Low-noise, high-mode-only fan
- External, static compression can be set up to 230 Pa
- Auto diagnostic system



Flexibility

- 100% fresh air processing
- Can be regulated from +16 to +27°C in cooling and heating mode
- Can be realized with up to 30% of total system output
- Up to two units can be connected in the system
- Diversity from 80% to 100%



Technical details

- Air intake from behind
- Customized external air filter settings
- TCB-DP32DFE drain pump optionally available
- External receiver kit for infrared remote control possible
- Can be combined with all cable remote controls
- Cannot be combined with VN-HEXE or hot water module
- Automatic restart setting after power outage

Fresh-air duct unit

Technical data			MMD-AP0721HFE
Cooling capacity	kW	❄️	22,40
Power consumption (min./nom./max.)	kW	❄️	0,45
Heating capacity	kW	🔥	13,90
Power consumption (min./nom./max.)	kW	🔥	0,45
Airflow	m ³ /h		1680
External static pressure	Pa		140/165/180
Sound pressure level (low/med/high)	dB(A)	❄️	44/45/46
Liquid pipe diameter	mm (inch)		12,7 (½)
Suction gas pipe diameter	mm (inch)		22,2 (7/8)
Condensate pipe diameter	mm		VP25 (25/32)
Power supply	V/Ph+N/Hz		220-240/1/50
Running current	A	❄️	2,52
Running current	A	🔥	2,52
Outdoor temperature operating range (min.-max.)	°C	❄️	+5 / +43
Outdoor temperature operating range (min.-max.)	°C	🔥	-5 / +43
Refrigerant			R410A
Dimensions (HxWxD)	mm		492 x 1392 x 1262
Weight	kg		144

❄️ Cooling 🔥 Heating

The measuring conditions for this product can be found at <http://www.toshiba-klima.at/en/measuring-conditions.html>



Energy Label: Energy label **A+ to A+++**, indicates the power consumption and energy efficiency class.



HI POWER: Particularly strong airflow for quickly reaching the requested temperature.



ErP Ecodesign: All criteria of **ECODESIGN**-guideline are fulfilled and confirm highest system efficiency.



Auto diagnostic: Check of system for flawless operation.



Hybrid inverter control: Smooth capacity regulation.



Eco Mode: Energy saving function.



Rotary compressor: Reliability and high efficiency.



Quiet Mode: Particularly low noise level - whispering mode.



Twin rotary compressor: Long-lasting, smoothly running and highest efficiency.



Comfort Sleep: Gradual increase of temperature by 2 °C until morning.



R410A: Used refrigerant: R410A.



Power Selection: Capacity regulation and therefore power savings of up to 25, 50 or 75%.



R32: Used refrigerant: R32.



Floor Mode: Natural floor warming effect for greater comfort.



Wifi ready: Optional control of the system via a smartphone.



Preset Mode: Activates individual settings at the touch of a button.



KNX: Optional KNX bus connection.



One Touch Mode: Fully automatic operation adapted to your needs.



Dust filter: Washable filter against coarse contamination.



Timer: Individual programming of on-/off times.



IAQ filter: Fine mesh filter with natural substances.



Off Timer: Shutdown of the unit at chosen times (30 min to 12 h).



Active carbon-catechin filter: Cleansing filter with enzymes from green tea.



Week Timer: Up to four settings per day and seven per week.



Plasma filter: Pure Mode: Electrostatic filter system.



Automatic Restart: After a power blackout.



Air ionizer: Negative ions cover polluted particles in the air. Dust, pollen and smoke are neutralized.



8 °C frost protection function: Frost protection for uninhabited rooms.



Self-cleaning function: Usage of condensate water for cleaning.



Louver: Flexible setting of louvers.



Auto Mode: Automatic selection between cooling and heating.



3D Airflow: 6 different airflow patterns in all directions.