



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-AP0961HFE
Cooling capacity	kW	❄️	28,00
Power consumption (min./nom./max.)	kW	❄️	0,52
Heating capacity	kW	🔥	17,40
Power consumption (min./nom./max.)	kW	🔥	0,52
Airflow	m <sup>3</sup> /h		2100
External static pressure	Pa		160/190/205
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	❄️	2,73
Running current	A	🔥	2,73
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.