



## FOR FRESH AIR PRECONDITIONING

### Fresh-air duct unit SMMSu



#### 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 and SMMS-u model series (sizes 112 and 128 for SMMS-u only). Pre-heating or cooling function in combination with other indoor units. Available in five capacity levels from 14.0 to 40.0 kW.



#### Performance

- High energy efficiency
- Can be integrated unseen into false ceilings
- Self-cleaning function
- Low-noise 5-step fan
- External, static pressure can be set up to 200 Pa
- Auto diagnostic system



#### Flexibility

- 100% fresh air processing
- Can be regulated from +16 to +27°C in cooling and heating mode
- Wide operating range: air-intake temperatures from -10°C to +46°C
- 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 110%



#### Technical details

- Air intake from behind
- Customized external air filter settings
- TCB-DP40DFP-E 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 after power blackout adjustable

## Fresh-air duct unit SMMSu

Technical data			MMD-UP1121HFP-E
Capacity code	HP		12
Cooling capacity	kW	❄️	33,50
Power consumption (min./nom./max.)	kW	❄️	0,250
Heating capacity	kW	🔥	20,80
Power consumption (min./nom./max.)	kW	🔥	0,250
Airflow	m <sup>3</sup> /h		1770/2130/2520
External static pressure	Pa		50/75/100/125/ 150/175/200
Sound pressure level (low/med/high)	dB(A)	❄️	34/36/37/39/40
Sound pressure level (low/med/high)	dB(A)	🔥	34/36/37/39/40
Liquid pipe diameter	mm (inch)		12,7 (½)
Suction gas pipe diameter	mm (inch)		28,6 (1 1/8)
Condensate pipe diameter	mm		VP25 (25/32)
Power supply	V/Ph+N/Hz		220-240/1/50
Running current	A	❄️	1,30
Running current	A	🔥	1,30
Current consumption (nom.)	A		1,36
Outdoor temperature operating range (min.-max.)	°C	❄️	+5 / +46
Outdoor temperature operating range (min.-max.)	°C	🔥	-10 / +46
Refrigerant			R410A
Dimensions (HxWxD)	mm		477 x 1430 x 900
Weight	kg		99

❄️ 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.