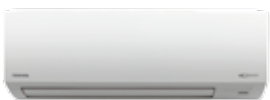




2016 / 17

PRICE LIST

Airconditioning systems



» COMMITTED TO PEOPLE; COMMITTED TO THE FUTURE «

TERMS OF BUSINESS

General

As far as nothing else has been declared, the general terms of business and the agreed purchase conditions including the sales discounts are valid. Arrangements that differ from our terms are only valid on condition that we confirm this explicit and in writing.

Jurisdiction

Jurisdiction for both partners is the «Landes- als Handelsgericht» Graz. Austrian law is valid.

Quotation

Our prices are quoted inclusively normal packaging ex loading platform of the forwarding agency Gebrüder Weiss Maria Lanzendorf, without loading. Costs incurred due to special requests are met by the purchaser. Incoterms are valid in the version of 2010. Separate agreements for pricing are noted on the purchase conditions.

Passing of the risk

The risk goes over the purchaser as soon as the goods have left the loading platform on which they had been prepared for collection. The risk of loading is taken by the purchaser.

Take-over of the goods

When taking over the goods, the forwarding agency organised by the purchaser or the collector has the duty to check the delivery according to the order. Any damages noticed on the carton box or on the unit itself have to be noted on the delivery note when taking over and immediately reported to the forwarding agency and Air-Cond. Latent defects have to be notified in Austria within 7 days and in export countries 10 days from date of collection, otherwise claims/liability will not be accepted by the insurance company. In case of transport damages a written reclamation for visible damages is necessary immediately, at the latest within 7 days.

Reservation of ownership

The delivered or otherwise transferred goods remain our property until full payment.

Wrong deliveries

All costs that result from wrong deliveries cannot be asserted

Material warranty

Claims for material warranty can be asserted from the purchaser within 36 months from date of delivery and date of invoice using our provided form for material warranty claims and against returning the faulty part if we ask for this. The material warranty only contains the replacing of spare parts ex our warehouse. We clearly mention that the material warranty does not include the refund of costs for wages, travel costs etc. Condition for accepting the material warranty claim is the proper installation by a specialist according to the TOSHIBA installation rules, permitted operating conditions and the periodical service following the TOSHIBA maintenance guidelines. In case of an improper installation or non-compliance of the permitted operation conditions and maintenance guidelines resp. wrong dimensioning, claims for material warranty will be refused.

Advanced Material warranty for VRF-products: Under the assumption that there is a VRF project, a commissioning report has been completed and a AIRS design is concerned, there is the possibility of extending the period of material warranty from 3 to 5 years, after checked all the documents. This is confirmed by a certificate.

Cancellation fee

For the cancellation of orders we allow us to charge in general the amount of € 60,-. When receiving the cancellation after the preparation of the goods and invoice or after issuing export documents we charge the amount of € 120,-. In case of already delivered goods all costs incurred of removal, preparation of papers, any transportation costs and expenses for restocking will be charged.

Delay in payment / Default interests

In case of a delay in payment by the principal, we reserve the right to retain all future services till full settlement of the delayed payment. As far as this delay is not limited to a small amount Air-Cond is entitled for all subsequent orders, which already have been confirmed, to demand payment in advance.

On delay the client has to pay on the amount due interests to the extent of 8% points on top of the base rate annually.

Any rights of Air-Cond to request additional delay damages shall remain unaffected.

Export declaration (valid for Non-EU member states)

The purchaser commits himself to send us the export declaration (customs' confirmation that the goods left the EU) within 14 days after the collection under registered mail. In case of omission we charge 20% VAT, customs duty and a fine of the customs authorities.

Validity of the price list: 1st March 2016 until 28th February 2017

The price list is subject to the general terms of business of company Air-Cond Klimaanlagen-Handelsgesellschaft m.b.H in the version of 25th February 2016.

Subject to changes without notice! All specifications, model names and figures are subject to typing and printing errors.



RESIDENTIAL

RAS overview - indoor units	6
MIRAI	7
AvAnt Inverter	8
Suzumi Plus	8
Super Daiseikai 8	9
Console	10
Inverter Multi systems indoor units	11
Accessories Multi	12
Inverter Multi systems outdoor units	13
Overview of basic features	14-15

LIGHT COMMERCIAL

RAV overview - indoor units	17
Hi-wall (DI, S-DI)	18
Compact 4-way cassette (DI, S-DI)	19
Standard 4-way cassette (DI, S-DI)	20-21
Ceiling (DI, S-DI)	22
Standard Duct (DI, S-DI)	23
Ultra-slim Duct (DI, S-DI)	24
High-pressure Duct (DI BIG)	24
Valve kit (DI, S-DI, DI BIG)	25
RAV split solutions for one temperature zone	25
Joints for RAV Multi installations	26
Air Curtain	27
Compatible outdoor units to air curtains	28

COMMERCIAL

Indoor units range	30-31
VRF systems overview	32
SMMS-i /SMMS-e outdoor units	33-35
MINI SMMS-i / MINI SMMS-e	36
SHRM-i outdoor units	37
SHRM-i refrigerant distributor sets	37
VRF Hi-wall	38-39
VRF Ceiling	40
VRF Duct	41-43
VRF Cassette	44-46
VRF Chassis	46
VRF Console/Floor	47
VRF Valve kit	48
Ventilation system with heat recovery	49
VRF Hot water module	49
VRF Joints	50

CONTROLS

Locale Remote Control	53
Central Remote Control	54
Building Management Systems	55
Control options	56
Special accessories RAV/VRF	56
TOSHIBA service programs	57
Airpatrol / Intesis	57

ESTIA

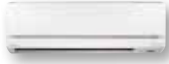


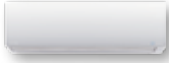



ESTIA series 4 outdoor units / Hydro Box	58
ESTIA HiPower outdoor units / Hydro Box	59
ESTIA hot water tank	60
ESTIA accessories	60

ADDITIONAL INFORMATION

Additional information	62-63
Information for air conditioning at low outside temperatures	64-65
Power consumption and hedging	66-67
Sound power / sound pressure	68-69
VRF performance tables	70-71
Measuring conditions for TOSHIBA air-conditioners	72
Glossar	73

PRICE LIST – RESIDENTIAL

Indoor units

Model type	size	10	13	16	18	22
HI-WALL						
AvAnt RAS-xxxSKV-E7		●	●	●		
MIRAI RAS-xxBKV-E RAS-xxBKV-G-E		● ●	● ●	● ●		
Suzumi Plus RAS-BxxN3KV2-E1		●	●	●	●	●
Super Daiseikai 8 RAS-xxG2KVP-E		●	●	●		
CHASSIS						
Console RAS-BxxUFV-E(1)		●	●		●	
BUILT-IN UNITS						
60×60 4-way cassette RAS-MxxSMUV-E		●	●	●		
Duct unit RAS-MxxG3DV-E		●	●	●		



MIRAI R410A "CLASSIC"-Model

- Modern, sleek design
- Energy label A+
- Very quiet operation



Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H x W x D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
				SEER	SCOP						
MIRAI (Standard infrared remote control included)											
RAS-10BKV-E	2,50	3,20	A+ / A+	5,60	4,00	293 x 798 x 230	0,16 - 1,19	0,15 - 1,06	55 / 56	270,-	900,-
RAS-10BAV-E	(0,67 - 3,10)	(0,70 - 3,90)									
RAS-13BKV-E	3,10	3,70	A+ / A+	5,70	4,00	293 x 798 x 230	0,18 - 1,33	0,15 - 1,24	56 / 57	270,-	980,-
RAS-13BAV-E	(0,75 - 3,50)	(0,70 - 4,50)									
RAS-16BKV-E	4,40	5,20	A+ / A	5,80	3,80	293 x 798 x 230	0,26 - 1,90	0,19 - 1,81	60 / 60	305,-	1.275,-
RAS-16BAV-E	(1,10 - 5,00)	(1,00 - 6,20)									

MIRAI R32 "CLASSIC"-Model

- Modern, sleek design
- Energy label A+
- Very quiet operation
- Refrigerant R32



Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H x W x D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
				SEER	SCOP						
MIRAI (Standard infrared remote control included)											
RAS-10BKVG-E	2,50	3,20	A+ / A+	5,60	4,00	293 x 798 x 205	0,16 - 1,19	0,15 - 1,06	55 / 56	270,-	900,-
RAS-10BAVG-E	(0,67 - 3,10)	(0,70 - 3,90)									
RAS-13BKVG-E	3,10	3,60	A+ / A+	5,70	4,00	293 x 798 x 230	0,18 - 1,33	0,15 - 1,24	56 / 57	270,-	980,-
RAS-13BAVG-E	(0,75 - 3,50)	(0,70 - 4,50)									
RAS-16BKVG-E	4,60	5,40	A++ / A+	6,10	4,20	293 x 798 x 230	0,26 - 1,80	0,16 - 1,90	60 / 60	305,-	1.275,-
RAS-16BAVG-E	(1,10 - 5,30)	(1,00 - 6,50)									

Cooling Heating

Accessories

Type	Single price excl. VAT (EUR)
818F0023	Optional filter strips for the MIRAI series 23,-
RB-RXS30-E	Optional infrared remote control including weekly timer and 8 ° C frost protection function 75,-
RBC-Combi Control	Control of the main functions via SMS or an app (for iOS and Android) as on / off, mode, temperature, fan speed and alarm in case of power failure or too high / too low temperature (Sim card required) 550,-
AP-IR-WIFI-1	WIFI control the air conditioning via smartphones (for iOS and Android), tablet or PC 275,-

PRICE LIST – RESIDENTIAL

AvAnt Inverter
"CLASSIC"-Model

- Optional infrared remote control including weekly timer and 8 ° C frost protection function
- As long as stock lasts



Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
				SEER	SCOP						
AvAnt Inverter (Standard infrared remote control included)											
RAS-107SKV-E7	2,50	3,20	A / A	5,10	3,80	275 × 790 × 205	0,29 - 1,05	0,21 - 0,97	55 / 56	260,-	850,-
RAS-107SAV-E6	(1,20 - 3,00)	(0,90 - 3,50)				530 × 660 × 240			63 / 65	590,-	
RAS-137SKV-E7	3,15	3,60	A / A	5,10	3,80	275 × 790 × 205	0,28 - 1,50	0,21 - 1,18	56 / 57	260,-	940,-
RAS-137SAV-E6	(1,20 - 3,60)	(0,95 - 4,00)				530 × 660 × 240			63 / 65	680,-	
RAS-167SKV-E7	4,40	5,20	A+ / A	5,80	3,80	275 × 790 × 205	0,26 - 1,90	0,19 - 1,81	60 / 60	295,-	1.220,-
RAS-167SAV-E5	(1,10 - 5,00)	(1,00 - 6,20)				550 × 780 × 290			64 / 65	925,-	

Suzumi Plus
"COMFORT"-Model

- New design with clean lines
- Compact design with lower unit depth
- Optional infrared remote control including weekly timer and 8 ° C frost protection function



Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
				SEER	SCOP						
Suzumi Plus (Standard infrared remote control included)											
RAS-B10N3KV2-E1	2,50	3,20	A++ / A+	6,70	4,30	275 × 790 × 217	0,25 - 0,91	0,19 - 1,40	53 / 54	365,-	1.025,-
RAS-10N3AV2-E1	(1,10 - 3,00)	(0,90 - 4,80)				550 × 780 × 290			61 / 62	660,-	
RAS-B13N3KV2-E1	3,50	4,20	A++ / A+	6,50	4,00	275 × 790 × 217	0,26 - 1,55	0,19 - 1,64	54 / 55	395,-	1.195,-
RAS-13N3AV2-E1	(1,10 - 4,05)	(1,00 - 5,30)				550 × 780 × 290			63 / 65	800,-	
RAS-B16N3KV2-E1	4,50	5,50	A++ / A	6,10	3,90	275 × 790 × 217	0,15 - 1,72	0,15 - 1,98	60 / 60	435,-	1.420,-
RAS-16N3AV2-E	(0,80 - 5,00)	(0,90 - 6,90)				550 × 780 × 290			64 / 65	985,-	
RAS-18N3KV2-E1	5,00	5,80	A++ / A+	7,00	4,10	320 × 1050 × 229	0,18 - 2,00	0,14 - 1,70	59 / 59	450,-	1.685,-
RAS-18N3AV2-E	(1,10 - 6,00)	(0,80 - 6,30)				550 × 780 × 290			64 / 65	1.235,-	
RAS-B22N3KV2-E1	6,00	7,00	A++ / A+	6,50	4,00	320 × 1050 × 229	0,20 - 2,65	0,18 - 2,21	60 / 60	545,-	1.895,-
RAS-22N3AV2-E	(1,20 - 6,70)	(1,00 - 7,50)				550 × 780 × 290			65 / 65	1.350,-	

Cooling

Heating

Accessories

Type	Single price excl. VAT (EUR)	
43T09485	Panel in silver, compatible with Suzumi Plus size 10-16	55,-
43T09486	Panel in silver, compatible with Suzumi Plus size 18, 22	65,-
818F0023	Optional filter strips for the Avant series	23,-
818F0036	Replacement filter strips for the Suzumi Plus series	30,-
RB-RXS30-E	Optional infrared remote control including weekly timer and 8 ° C frost protection function	75,-
RBC-Combi Control	Control of the main functions via SMS or an app (for iOS and Android) as on / off, mode, temperature, fan speed and alarm in case of power failure or too high / too low temperature (Sim card required)	550,-
AP-IR-WIFI-1	WIFI control the air conditioning via smartphones (for iOS and Android), tablet or PC	275,-
TCB-IFCB5-PE	P.C. board for external on / off of air conditioner	50,-

Super Daiseikai 8 "PREMIUM"-Model



- PREMIUM model with excellent efficiency values, A+++
- Elegant design with color LED and high-quality panel surface
- Powerful filter system including plasma filter and Super ionizer
- Convenient infrared remote control with weekly timer, 8 ° C frost protection function and many wellbeing functions
- Very quiet

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H x W x D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
				SEER	SCOP						
Super Daiseikai 8 (Infrared remote control included)											
RAS-10G2KVP-E	2,50	3,20	A+++/A+++	9,10	5,20	293 x 831 x 270	0,11 - 0,90	0,09 - 1,65	57 / 58	535,-	1.730,-
RAS-10G2AVP-E	(0,55 - 3,50)	(0,45 - 5,80)									
RAS-13G2KVP-E	3,50	4,00	A+++/A+++	8,90	5,10	293 x 831 x 270	0,17 - 1,10	0,14 - 1,80	58 / 59	565,-	1.905,-
RAS-13G2AVP-E	(0,63 - 4,10)	(0,65 - 6,30)									
RAS-16G2KVP-E	4,50	5,50	A++/A++	7,30	4,60	293 x 831 x 270	0,17 - 1,75	0,14 - 2,12	59 / 60	640,-	2.435,-
RAS-16G2AVP-E	(0,63 - 5,00)	(0,65 - 6,80)									

Cooling Heating

Accessories

Type		Single price excl. VAT (EUR)
RBC-Combi Control	Control of the main functions via SMS or an app (for iOS and Android) as on / off, mode, temperature, fan speed and alarm in case of power failure or too high / too low temperature (Sim card required)	550,-
AP-IR-WIFI-1	WIFI control the air conditioning via smartphones (for iOS and Android), tablet or PC	275,-
TCB-IFCB5-PE	P.C. board for external on / off of air conditioner	50,-



PRICE LIST – RESIDENTIAL

Console "COMFORT"-Model

- Bi-flow console with variable possibilities of air outlet
- Floor-heating-effect
- Large radial fan for extra quiet operation



Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
	❄	🔴		SEER	SCOP		❄	🔴			
Console (Infrared remote control included)											
RAS-B10UFV-E(1)	2,50	3,20	A++ / A+	6,60	4,00	600 × 700 × 220	0,23 - 0,82	0,18 - 1,40	54 / 54	850,-	1.510,-
RAS-10N3AV2-E1	(1,10 - 3,10)	(1,00 - 4,80)				550 × 780 × 290			59 / 60		
RAS-B13UFV-E(1)	3,50	4,20	A++ / A	6,20	3,90	600 × 700 × 220	0,23 - 1,35	0,18 - 1,70	55 / 55	930,-	1.730,-
RAS-13N3AV2-E1	(1,10 - 4,10)	(1,00 - 5,40)				550 × 780 × 290			61 / 63		
RAS-B18UFV-E1	5,00	5,80	A+ / A	5,70	3,80	600 × 700 × 220	0,20 - 1,95	0,20 - 2,20	60 / 60	1.120,-	2.355,-
RAS-18N3AV2-E	(1,00 - 5,70)	(1,10 - 6,30)				550 × 780 × 290			64 / 64		

❄ Cooling 🔴 Heating

Accessories

Type		Single price excl. VAT (EUR)
818F0036	Replacement filter strips for console	30,-
RB-RXS30-E	Optional infrared remote control including weekly timer and 8 ° C frost protection function for indoor unit models in E1	75,-
RBC-Combi Control	Control of the main functions via SMS or an app (for iOS and Android) as on / off, mode, temperature, fan speed and alarm in case of power failure or too high / too low temperature (Sim card required)	550,-
AP-IR-WIFI-1	WiFi control the air conditioning via smartphones (for iOS and Android), tablet or PC	275,-
TCB-IFCB5-PE	P.C. board for external on / off of air conditioner	50,-



RAS Inverter Multi systems >>Indoor units<<

- 2-, 3-, 4- and 5-room systems
- Space-saving installation
- Reduced installation time



Type	Capacity (kW)		Efficiency		Dimensions (H x W x D) (mm)	Sound power level (dB(A)) ❄️ / 🔥	Single price excl. VAT (EUR)
	❄️	🔥	SEER	SCOP			
Suzumi Plus Hi-wall indoor units (Standard infrared remote control included)							
RAS-B10N3KV2-E1	2,50 (1,10 - 3,00)	3,20 (0,90 - 4,80)	-	-	275 x 790 x 217	53 / 54	365,-
RAS-B13N3KV2-E1	3,50 (1,10 - 4,05)	4,20 (1,00 - 5,30)	-	-	275 x 790 x 217	54 / 55	395,-
RAS-B16N3KV2-E1	4,50 (0,80 - 5,00)	5,50 (0,90 - 6,90)	-	-	275 x 790 x 217	60 / 60	435,-
RAS-B22N3KV2-E1	6,00 (1,20 - 6,70)	7,00 (1,00 - 7,50)	-	-	320 x 1050 x 229	60 / 60	545,-
Super Daiseikai 6.5 (Standard infrared remote control included)							
RAS-B10N3KVP-E	2,51 (0,80 - 3,50)	3,21 (0,80 - 5,80)	-	-	275 x 790 x 225	57 / 58	440,-
RAS-B13N3KVP-E	3,52 (0,90 - 4,10)	4,22 (0,80 - 5,90)	-	-	275 x 790 x 225	58 / 59	470,-
RAS-B16N3KVP-E	4,53 (0,90 - 5,00)	5,53 (0,80 - 6,70)	-	-	275 x 790 x 225	60 / 60	515,-
Console (Standard infrared remote control included)							
RAS-B10UFV-E(1)	2,50 (1,10 - 3,10)	3,20 (1,00 - 4,80)	-	-	600 x 700 x 220	54 / 54	850,-
RAS-B13UFV-E(1)	3,50 (1,10 - 4,10)	4,20 (1,00 - 5,40)	-	-	600 x 700 x 220	55 / 55	930,-
RAS-B18UFV-E1	5,00 (1,00 - 5,70)	5,80 (1,10 - 6,30)	-	-	600 x 700 x 220	60 / 60	1.120,-
60x60 4-way cassette (Infrared remote control included)							
RAS-M10SMUV-E	2,50 (1,10 - 3,20)	3,20 (0,70 - 5,20)	-	-	268 x 575 x 575	52 / 52	940,-
RAS-M13SMUV-E	3,50 (1,10 - 4,40)	4,20 (0,70 - 6,50)	-	-	268 x 575 x 575	53 / 53	985,-
RAS-M16SMUV-E	4,50 (1,40 - 4,90)	5,50 (0,80 - 6,90)	-	-	268 x 575 x 575	55 / 55	1.020,-
RB-B11MC(W)-E, Paneel	-	-	-	-	27 x 700 x 700	-	200,-
Duct (Infrared remote control included, drain pump included, cable remote control optional)							
RAS-M10G3DV-E	2,70	4,00	-	-	210 x 700 x 450	50 / 50	1.150,-
RAS-M13G3DV-E	3,70	5,00	-	-	210 x 700 x 450	52 / 52	1.200,-
RAS-M16G3DV-E	4,50	5,50	-	-	210 x 900 x 450	50 / 50	1.280,-

❄️ Cooling

🔥 Heating

 Documented efficiencies in detail on the Web at www.toshiba-aircondition.com


PRICE LIST – RESIDENTIAL

Accessories Multi

Accessories: Hi-wall



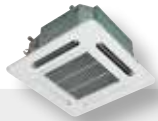
Type		Single price excl. VAT (EUR)
43T09485	Panel in silver, compatible with Suzumi Plus size 10-16	55,-
43T09486	Panel in silver, compatible with Suzumi Plus size 18, 22	65,-
43T09487	Panel in silver, compatible with Super Daiseikai 6.5 all sizes	55,-
818F0036	Replacement filter strips for series Suzumi Plus and Super Daiseikai 6.5	30,-
RB-RXS31-E	Optional infrared remote control including weekly timer and 8 ° C frost protection function for indoor unit models in E1	75,-
RBC-Combi Control	Control of the main functions via SMS or an app (for iOS and Android) as on / off, mode, temperature, fan speed and alarm in case of power failure or too high / too low temperature (Sim card required)	550,-
AP-IR-WIFI-1	WIFI control the air conditioning via smartphones (for iOS and Android), tablet or PC	275,-
TCB-IFCB5-PE	P.C. board for external on / off of air conditioner	50,-

Accessories: Console



Type		Single price excl. VAT (EUR)
818F0036	Replacement filter strips for console	30,-
RB-RXS30-E	Optional infrared remote control including weekly timer and 8 ° C frost protection function for indoor unit models in E1	75,-
RBC-Combi Control	Control of the main functions via SMS or an app (for iOS and Android) as on / off, mode, temperature, fan speed and alarm in case of power failure or too high / too low temperature (Sim card required)	550,-
AP-IR-WIFI-1	WIFI control the air conditioning via smartphones (for iOS and Android), tablet or PC	275,-
TCB-IFCB5-PE	P.C. board for external on / off of air conditioner	50,-

Accessories: 4-way cassette



Type		Single price excl. VAT (EUR)
TCB-IFCB5-PE	P.C. board for external on / off of air conditioner	50,-
AP-IR-WIFI-1	WIFI control the air conditioning via smartphones (for iOS and Android), tablet or PC	275,-

Accessories: Duct



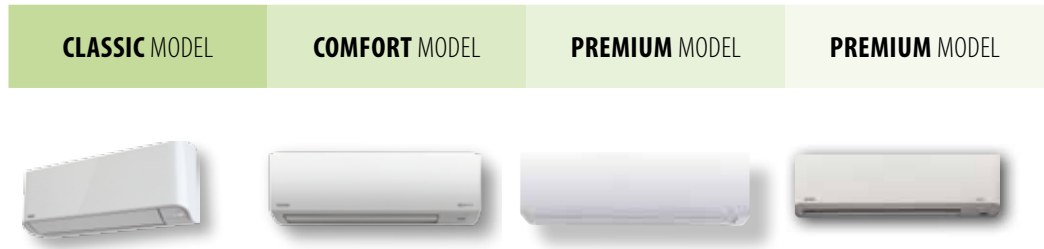
Type		Single price excl. VAT (EUR)
RB-RWS20-E	Cable remote control with week timer, especially for RAS multi duct units	300,-
TCB-IFCB5-PE	P.C. board for external on / off of air conditioner	50,-
AP-IR-WIFI-1	WIFI control the air conditioning via smartphones (for iOS and Android), tablet or PC	275,-
TCB-DUCEX10M	Extension cable for infrared receiver board 10 m	70,-

Table of combinations RAS Multi outdoor units

RAS-2M14S3AV-E	1 indoor unit	10 13
	2 indoor units	10 10 13
		10 13 13
RAS-2M18S3AV-E	1 indoor unit	10 13 16
	2 indoor units	10 10 10 13 13 16
		10 13 16 13 16 16
RAS-3M18S3AV-E	1 indoor unit	10 13 16
	2 indoor units	10 10 10 13 13 16
		10 13 16 13 16 16
	3 indoor units	10 10 10 10
		10 10 10 13
10 13 16 13		

Residential Air Conditioners

Product overview

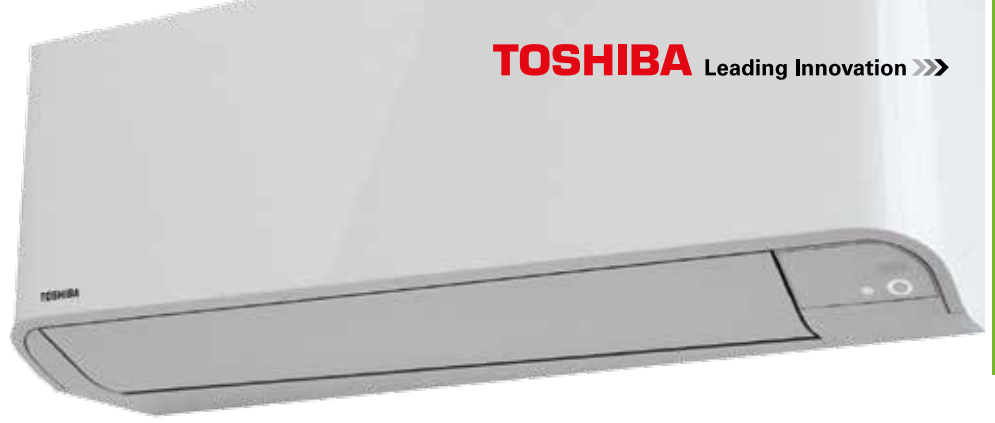


Model name	Mirai	Suzumi Plus	Super Daiseikai 8	Super Daiseikai 6.5
Cooling	●	●	●	●
Heating	●	●	●	●
Hybrid inverter control	●	●	●	●
Rotary compressor	●	● 10/13		
Twin-Rotary compressor		● 16/18/22	●	●
Dust filter	●	●	●	●
IAQ filter		●		●
Active carbon-catechin filter	optional			
Plasma filter (pure mode)			●	●
Air ionizer				●
SUPER ionizer			●	
Self-cleaning function	●	●	●	●
Automatic mode	●	●	●	●
Hi Power	●	●	●	●
Automatic diagnostic	●	●	●	●
Eco mode	●	●	●	●
Quiet mode		●	●	
Comfort sleep		●	●	●
Power selection	○	○*	●	●
WIFI - capable	●	●	●	●
Weekly timer	○	○	●	
Timer		●		●
Off Timer	●			
Automatic restart	●	●	●	●
8 °C setting	○	○*	●	
Floor mode				
Preset mode		●	●	●
One Touch mode				●
Single model	●	●	●	
Multi model		●		●

● Standard version

○ Only in combination with optional remote control

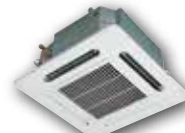
* Feature only available in the single version



COMFORT MODEL

COMFORT MODEL

COMFORT MODEL



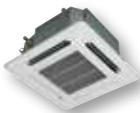










	Console	Duct	60 × 60 4-way cassette	Model name
	●	●	●	Cooling
	●	●	●	Heating
	●	●	●	Hybrid inverter control
	● 10/13			Rotary compressor
	● 18	●	●	Twin-Rotary compressor
	●		●	Dust filter
	●			IAQ filter
				Active carbon-catechin filter
				Plasma filter (pure mode)
				Air ionizer
				SUPER ionizer
	●	●	●	Self-cleaning function
	●	●	●	Automatic mode
	●	●	●	Hi Power
	●	●	●	Automatic diagnostic
	●	●	●	Eco mode
	●	●		Quiet mode
	●	●		Comfort sleep
	○ Series E1*			Power selection
	●	●	●	WIFI - capable
	○ Series E1	○		Weekly timer
	●	●	●	Timer
				Off Timer
	●	●	●	Automatic restart
	○ Series E1*			8 °C setting
	●			Floor mode
	●	●	●	Preset mode
	●	●		One Touch mode
	●			Single model
	●	●	●	Multi model



Indoor units

LIGHT COMMERCIAL

Model type		kW	2,5	3,0	3,6	4,0	5,0	5,3	6,0	6,7	6,9	7,1	8,0	10,0	11,2	12,0	12,1	12,5	14,0	16,0	20,0	23,0	
HI-WALL		DI SDI BIG	●		●		●			●		●											
RAV-SM(...)KRT(P)-E																							
CEILING		DI SDI BIG			●		●				●			●			●		●				
RAV-SM(...)CTP-E																							
CASSETTE		DI SDI BIG	●		●		●																
60x60 4-way Cassette																							
RAV-SM(...)MUT-E																							
4-way Cassette		DI SDI BIG					●			●				●		●			●	●			
RAV-SM(...)JTP-E																							
DUCT		DI SDI BIG					●			●				●			●		●	●			
Standard Duct																							
RAV-SM(...)BTP-E																							
Slim Duct		DI SDI BIG	●		●		●																
RAV-SM(...)SDT-E																							
High Static Pressure Duct		DI SDI BIG																				●	●
RAV-SM(...)DT-E																							
AIR CURTAIN																							
Free-hanging unit																							
RAV-CT(...)CH-M/L													●		●				●	●			
Cassette																							
RAV-CT(...)UH-M/L																							
Built-in unit																							
RAV-CT(...)BH-M/L																							

Model type		HP	2,0	3,0	4,0	5,0	6,0	8,0	10,0
VALVE KIT									
RAV-DXC010 / RBC-DXC031			●	●	●	●	●	●	●



Digital Inverter & Super Digital Inverter Hi-wall

- NEW: Smaller sizes available
- Precise temperature control in cooling and heating
- Filter system for clean air
- Low noise level, 3-stage fan
- Large air conducting strip for optimum air distribution
- Auto restart after power failure programmable



Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H x W x D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
	❄	🔥	❄ / 🔥	SEER	SCOP		❄	🔥	❄ / 🔥		
Digital Inverter Hi-wall (Infrared remote control included, cable remote control optional)											
RAV-SM307KRTP-E	2,50	3,40	A+ / A+	5,90	4,00	275 x 790 x 217	0,61	0,85	55 / 44	450,-	1.310,-
RAV-SM304ATP-E	(0,90 - 3,00)	(0,80 - 4,50)									
RAV-SM407KRTP-E	3,60	4,00	A / A+	5,40	4,12	275 x 790 x 217	1,13	1,12	56 / 45	480,-	1.530,-
RAV-SM404ATP-E	(0,90 - 4,00)	(0,80 - 5,00)									
RAV-SM566KRT-E	5,00	5,30	A+ / A+	5,77	4,00	320 x 1050 x 228	0,30 - 1,86	0,31 - 2,85	57 / 51	530,-	1.730,-
RAV-SM564ATP-E	(1,50 - 5,60)	(1,50 - 6,30)									
RAV-SM806KRT-E	6,70	7,70	A+ / A+	5,62	4,01	320 x 1050 x 228	0,31 - 2,85	0,31 - 3,30	62 / 51	550,-	2.090,-
RAV-SM804ATP-E	(1,50 - 7,00)	(1,50 - 9,00)									
Super Digital Inverter Hi-wall (Infrared remote control included, TCC-Link remote control optional)											
RAV-SM566KRT-E	5,00	5,60	A+ / A+	5,82	4,01	320 x 1050 x 228	0,21 - 2,05	0,17 - 2,57	57 / 51	530,-	1.980,-
RAV-SP564ATP-E	(1,20 - 5,60)	(0,90 - 7,30)									
RAV-SM806KRT-E	7,10	8,00	A+ / A	5,88	3,87	320 x 1050 x 228	0,30 - 2,88	0,27 - 3,87	62 / 61	550,-	2.490,-
RAV-SP804ATP-E	(1,90 - 8,00)	(1,30 - 10,60)									

Accessories

Type	Single price excl. VAT (EUR)
818F0036 Optional filter strips	30,-

Digital Inverter & Super Digital Inverter 60 × 60 4-way Cassette



- Compact indoor unit: suitable for all euro-grid ceilings
- Low unit height of only 268 mm
- Four air louvers for optimal air distribution
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)
- Auto restart after power failure programmable

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
	❄	🔴		SEER	SCOP		❄	🔴			
Digital Inverter 60 × 60 euro-grid 4-way cassette											
RAV-SM304MUT-E						268 × 575 × 575			55 / 46	880,-	
RBC-UM11PG(W)-E	2,50	3,40	A / A ⁺	5,53	4,27	27 × 700 × 700	0,59	0,76	-	310,-	2.145,-
RAV-SM304ATP-E	(0,90 - 3,00)	(0,80 - 4,50)				550 × 780 × 290			61 / 62	860,-	
RBC-AMT32E						-			-	95,-	
RAV-SM404MUT-E						268 × 575 × 575			55 / 46	900,-	
RBC-UM11PG(W)-E	3,60	4,00	A / A ⁺	5,35	4,27	27 × 700 × 700	0,90	0,95	-	310,-	2.355,-
RAV-SM404ATP-E	(0,90 - 4,00)	(0,80 - 5,00)				550 × 780 × 290			64 / 65	1.050,-	
RBC-AMT32E						-			-	95,-	
RAV-SM564MUT-E						268 × 575 × 575			58 / 49	910,-	
RBC-UM11PG(W)-E	5,00	5,30	A / A ⁺	5,48	4,16	27 × 700 × 700	0,30 - 1,86	0,30 - 2,40	-	310,-	2.515,-
RAV-SM564ATP-E	(1,50 - 5,60)	(1,50 - 6,30)				550 × 780 × 290			63 / 65	1.200,-	
RBC-AMT32E						-			-	95,-	
Super Digital Inverter 60 × 60 euro-grid 4-way cassette											
RAV-SM564MUT-E						268 × 575 × 575			58 / 58	910,-	
RBC-UM11PG(W)-E	5,00	5,60	A ⁺ / A ⁺	5,61	4,20	27 × 700 × 700	0,21 - 2,29	0,17 - 2,37	-	310,-	2.765,-
RAV-SP564ATP-E	(1,20 - 5,60)	(0,90 - 7,40)				550 × 780 × 290			63 / 64	1.450,-	
RBC-AMT32E						-			-	95,-	

❄ Cooling 🔴 Heating





Digital Inverter 4-way Cassette

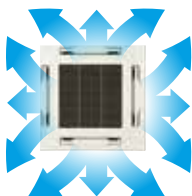


- Beautiful design with two ceiling panels to choose from (wider or direct airflow)
- Deodorising Ag+ ion capsule
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)
- Auto restart after power failure programmable
- Night Operation: particularly quiet operation of the outdoor unit in conjunction with RBC AMS51E-ES

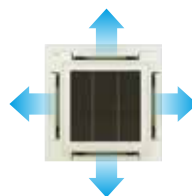
Type	Capacity (kW)		Energy label ❄️ / 🔥	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A)) ❄️ / 🔥	Single price excl. VAT (EUR)	Set price
	❄️	🔥		SEER	SCOP		❄️	🔥			
Digital Inverter Cassette											
RAV-SM564UTP-E						256 × 840 × 840			47 / 43	840,-	
RBC-U31PGP(W)-E	5,00	5,30	A++ / A+	6,14	4,51	30 × 950 × 950	0,26 - 1,86	0,26 - 2,08	-	280,-	2.415,-
RAV-SM564ATP-E	(1,50 - 5,60)	(1,50 - 6,30)				550 × 780 × 290			63 / 65	1.200,-	
RBC-AMT32E						-			-	95,-	
RAV-SM804UTP-E						256 × 840 × 840			50 / 43	960,-	
RBC-U31PGP(W)-E	6,70	7,70	A+ / A+	5,81	4,05	30 × 950 × 950	0,26 - 2,60	0,26 - 3,03	-	280,-	2.875,-
RAV-SM804ATP-E	(1,50 - 8,00)	(1,50 - 9,00)				550 × 780 × 290			65 / 69	1.540,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1104UTP-E						319 × 840 × 840			58 / 48	1.180,-	
RBC-U31PGP(W)-E	10,00	11,20	A+ / A+	5,87	4,28	30 × 950 × 950	0,60 - 4,10	0,60 - 4,30	-	280,-	3.575,-
RAV-SM1104ATP-E	(3,00 - 11,20)	(3,00 - 13,00)				890 × 900 × 320			70 / 71	2.020,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1404UTP-E						319 × 840 × 840			59 / 49	1.320,-	
RBC-U31PGP(W)-E	12,00	12,80	A / A+	5,36	4,19	30 × 950 × 950	0,60 - 4,71	0,60 - 4,50	-	280,-	3.865,-
RAV-SM1404ATP-E	(3,00 - 13,20)	(3,00 - 16,00)				890 × 900 × 320			70 / 71	2.170,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1604UTP-E						319 × 840 × 840			60 / 51	1.490,-	
RBC-U31PGP(W)-E	14,00	16,00	B / B	-	-	30 × 950 × 950	0,65 - 5,70	0,65 - 6,51	-	280,-	4.715,-
RAV-SM1603AT-E	(3,00 - 16,00)	(3,00 - 18,00)				1340 × 900 × 320			68 / 70	2.850,-	
RBC-AMT32E						-			-	95,-	

❄️ Cooling 🔥 Heating

RBC-U31PGP(W)-E	Panel for wide airflow	280,-
RBC-U31PGSP(W)-E	Panel for direct airflow	300,-



Panel RBC-U31PGP(W)-E
The special fin shape ensures a perfect air distribution within a radius of 360°. This is a TOSHIBA exclusive preference!



Panel RBC-U31PGSP(W)-E
The design of the louvers ensures that the air currents are blown out in a straight line.

Super Digital Inverter 4-way Cassette



- Excellent efficiency
- Beautiful design with two ceiling panels to choose from (wider or direct airflow)
- Deodorising Ag+ ion capsule
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)
- Auto restart after power failure programmable
- Night Operation: particularly quiet operation of the outdoor unit in conjunction with RBC AMS51E-ES

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
				SEER	SCOP						
Super Digital Inverter Cassette											
RAV-SM564UTP-E						256 × 840 × 840			47 / 47	840,-	
RBC-U31PGP(W)-E	5,30	5,60	A++ / A+	6,17	4,58	30 × 950 × 950	0,20 - 1,95	0,15 - 2,40	-	280,-	2.665,-
RAV-SP564ATP-E	(1,20 - 5,60)	(0,90 - 8,10)				550 × 780 × 290			63 / 64	1.450,-	
RBC-AMT32E						-			-	95,-	
RAV-SM804UTP-E						256 × 840 × 840			50 / 50	960,-	
RBC-U31PGP(W)-E	7,10	8,00	A++ / A+	6,39	4,19	30 × 950 × 950	0,30 - 2,52	0,25 - 3,52	-	280,-	3.275,-
RAV-SP804ATP-E	(1,90 - 8,00)	(1,30 - 11,30)				890 × 900 × 320			64 / 65	1.940,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1104UTP-E						319 × 840 × 840			58 / 58	1.180,-	
RBC-U31PGP(W)-E	10,00	11,20	A++ / A+	6,60	4,28	30 × 950 × 950	0,64 - 3,60	0,52 - 4,20	-	280,-	4.185,-
RAV-SP1104AT-E	(2,60 - 12,00)	(2,40 - 13,00)				1340 × 900 × 320			66 / 67	2.630,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1104UTP-E						319 × 840 × 840			58 / 58	1.180,-	
RBC-U31PGP(W)-E	10,00	11,20	A++ / A+	6,57	4,28	30 × 950 × 950	0,66 - 3,60	0,53 - 4,30	-	280,-	4.605,-
RAV-SP1104AT8-E *	(2,60 - 12,00)	(2,40 - 15,60)				1340 × 900 × 320			66 / 67	3.050,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1404UTP-E						319 × 840 × 840			59 / 59	1.320,-	
RBC-U31PGP(W)-E	12,50	14,00	A / A	-	-	30 × 950 × 950	0,64 - 4,40	0,52 - 4,50	-	280,-	4.635,-
RAV-SP1404AT-E	(2,60 - 14,00)	(2,40 - 16,50)				1340 × 900 × 320			68 / 69	2.940,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1404UTP-E						319 × 840 × 840			59 / 59	1.320,-	
RBC-U31PGP(W)-E	12,50	14,00	A / A	-	-	30 × 950 × 950	0,66 - 4,40	0,53 - 5,50	-	280,-	4.875,-
RAV-SP1404AT8-E *	(2,60 - 14,00)	(2,40 - 18,00)				1340 × 900 × 320			68 / 69	3.180,-	
RBC-AMT32E						-			-	95,-	
RAV-SM1604UTP-E						319 × 840 × 840			60 / 60	1.490,-	
RBC-U31PGP(W)-E	14,00	16,00	B / A	-	-	30 × 950 × 950	0,66 - 5,70	0,53 - 6,51	-	280,-	5.515,-
RAV-SP1604AT8-E *	(2,60 - 16,00)	(2,40 - 19,00)				1340 × 900 × 320			68 / 70	3.650,-	
RBC-AMT32E						-			-	95,-	

Cooling Heating * 3-phase outdoor unit

RBC-U31PGP(W)-E	Panel for wide airflow	280,-
RBC-U31PGSP(W)-E	Panel for direct airflow	300,-

PRICE LIST – LIGHT COMMERCIAL

Digital Inverter & Super Digital Inverter Ceiling

- Attractive design with improved energy efficiency
- Low noise level
- Large air conducting strip for optimum air distribution



LIGHT COMMERCIAL

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	Set price
	❄️	🔥	❄️ / 🔥	SEER	SCOP		❄️	🔥	❄️ / 🔥		
Digital Inverter Ceiling											
RAV-SM407CTP-E						235 × 950 × 690			52 / 43	880,-	
RAV-SM404ATP-E	3,60	4,00	A+ / A++	5,96	4,98	550 × 780 × 290	0,38	0,78	64 / 65	1.050,-	2.025,-
RBC-AMT32E	(0,90 - 4,00)	(0,80 - 5,00)				-			-	95,-	
RAV-SM567CTP-E						235 × 950 × 690			52 / 43	930,-	
RAV-SM564ATP-E	5,00	5,30	A / A+	5,41	4,21	550 × 780 × 290	0,29 - 1,95	0,29 - 2,40	63 / 65	1.200,-	2.225,-
RBC-AMT32E	(1,50 - 5,60)	(1,50 - 6,30)				-			-	95,-	
RAV-SM807CTP-E						235 × 1270 × 690			56 / 44	1.050,-	
RAV-SM804ATP-E	6,90	7,70	A+ / A+	5,62	4,01	550 × 780 × 290	0,29 - 2,76	0,29 - 3,20	65 / 69	1.540,-	2.685,-
RBC-AMT32E	(1,50 - 7,40)	(1,50 - 9,00)				-			-	95,-	
RAV-SM1107CTP-E						235 × 1586 × 690			59 / 47	1.170,-	
RAV-SM1104ATP-E	10,00	11,20	A+ / A+	5,79	4,27	890 × 900 × 320	0,60 - 4,10	0,60 - 4,10	70 / 71	2.020,-	3.285,-
RBC-AMT32E	(3,00 - 11,20)	(3,00 - 12,50)				-			-	95,-	
RAV-SM1407CTP-E						235 × 1586 × 690			61 / 50	1.320,-	
RAV-SM1404ATP-E	12,10	12,80	D / A	-	-	890 × 900 × 320	0,60 - 4,71	0,65 - 4,60	70 / 71	2.170,-	3.585,-
RBC-AMT32E	(3,00 - 13,20)	(3,00 - 16,00)				-			-	95,-	
RAV-SM1607CTP-E						235 × 1586 × 690			61 / 51	1.400,-	
RAV-SM1603AT-E	14,00	16,00	B / A	-	-	1340 × 900 × 320	0,65 - 6,33	0,65 - 6,89	68 / 70	2.850,-	4.345,-
RBC-AMT32E	(3,00 - 16,00)	(3,00 - 18,00)				-			-	95,-	
Super Digital Inverter Ceiling											
RAV-SM567CTP-E						235 × 950 × 690			52 / 52	930,-	
RAV-SP564ATP-E	5,00	5,60	A / A+	5,45	4,28	550 × 780 × 290	0,21 - 2,26	0,17 - 2,34	63 / 64	1.450,-	2.475,-
RBC-AMT32E	(1,20 - 5,60)	(0,90 - 7,40)				-			-	95,-	
RAV-SM807CTP-E						235 × 1270 × 690			56 / 56	1.050,-	
RAV-SP804ATP-E	7,10	8,00	A++ / A+	6,21	4,10	890 × 900 × 320	0,30 - 2,88	0,27 - 3,50	64 / 65	1.940,-	3.085,-
RBC-AMT32E	(1,90 - 8,00)	(1,30 - 10,60)				-			-	95,-	
RAV-SM1107CTP-E						235 × 1586 × 690			59 / 59	1.170,-	
RAV-SP1104AT-E	10,00	11,20	A++ / A+	6,18	4,27	1340 × 900 × 320	0,64 - 3,70	0,52 - 4,00	66 / 67	2.630,-	3.895,-
RBC-AMT32E	(2,60 - 12,00)	(2,40 - 13,00)				-			-	95,-	
RAV-SM1107CTP-E						235 × 1586 × 690			59 / 59	1.170,-	
RAV-SP1104AT8-E *	10,00	11,20	A++ / A+	6,35	4,41	1340 × 900 × 320	0,66 - 3,81	0,53 - 4,26	66 / 67	3.050,-	4.315,-
RBC-AMT32E	(2,60 - 12,00)	(2,40 - 16,50)				-			-	95,-	
RAV-SM1407CTP-E						235 × 1586 × 690			61 / 61	1.320,-	
RAV-SP1404AT-E	12,50	14,00	B / A	-	-	1340 × 900 × 320	0,64 - 4,47	0,52 - 4,60	68 / 69	2.940,-	4.355,-
RBC-AMT32E	(2,60 - 14,00)	(2,40 - 16,50)				-			-	95,-	
RAV-SM1407CTP-E						235 × 1586 × 690			61 / 61	1.320,-	
RAV-SP1404AT8-E *	12,50	14,00	A / A	-	-	1340 × 900 × 320	0,66 - 4,85	0,53 - 5,95	68 / 69	3.180,-	4.595,-
RBC-AMT32E	(2,60 - 14,00)	(2,40 - 18,00)				-			-	95,-	
RAV-SM1607CTP-E						235 × 1586 × 690			61 / 61	1.400,-	
RAV-SP1604AT8-E *	14,00	16,00	A / A	-	-	1340 × 900 × 320	0,66 - 6,33	0,53 - 6,96	68 / 70	3.650,-	5.145,-
RBC-AMT32E	(2,60 - 16,00)	(2,40 - 19,00)				-			-	95,-	

❄️ Cooling 🔥 Heating * 3-phase outdoor unit

Accessories RAV Ceiling models

Type	Description	Compatible	Prices excl. VAT (EUR)
TCB-DP31CE	Drain pump		290,-
TCB-KP13CE	Elbow piping kit (is required for drain pump)	Size 567	80,-
TCB-KP23CE	Elbow piping kit (is required for drain pump)	Size 807-1607	95,-
TCB-PCUC1E	Optional control kit	Functions: Analog inputs and digital inputs / outputs for external control, alarms and messages	130,-

Digital Inverter & Super Digital Inverter Duct

- Compact dimensions for installation in suspended ceilings
- Height of only 275 mm
- External static pressure up to 120 Pa
- Drain pump with 850 mm lifting height included (measured from the bottom edge of the unit)



Type	Capacity (kW)		Energy label ❄️ / 🔥	Efficiency		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A)) ❄️ / 🔥	Single price excl. VAT (EUR)	Set price
	❄️	🔥		SEER	SCOP		❄️	🔥			
Digital Inverter Duct											
RAV-SM566BTP-E						275 × 700 × 750			48 / 40	940,-	
RAV-SM564ATP-E	5,00	5,30	B / A	4,80	3,98	550 × 780 × 290	0,31 - 2,05	0,31 - 2,47	63 / 65	1.200,-	2.235,-
RBC-AMT32E	(1,50 - 5,60)	(1,50 - 6,30)				-			-	95,-	
RAV-SM806BTP-E						275 × 1000 × 750			49 / 41	1.070,-	
RAV-SM804ATP-E	6,70	7,70	B / A	5,04	3,83	550 × 780 × 290	0,31 - 2,76	0,31 - 3,18	65 / 69	1.540,-	2.705,-
RBC-AMT32E	(1,50 - 7,40)	(1,50 - 9,00)				-			-	95,-	
RAV-SM1106BTP-E						275 × 1400 × 750			55 / 48	1.320,-	
RAV-SM1104ATP-E	10,00	11,20	B / A ⁺	5,03	4,14	890 × 900 × 320	0,60 - 4,50	0,60 - 4,00	70 / 71	2.020,-	3.435,-
RBC-AMT32E	(3,00 - 11,20)	(3,00 - 12,50)				-			-	95,-	
RAV-SM1406BTP-E						275 × 1400 × 750			55 / 48	1.370,-	
RAV-SM1404ATP-E	12,10	12,80	D / B	-	-	890 × 900 × 320	0,60 - 4,71	0,60 - 4,55	70 / 71	2.170,-	3.635,-
RBC-AMT32E	(3,00 - 13,20)	(3,00 - 16,00)				-			-	95,-	
RAV-SM1606BTP-E						275 × 1400 × 750			55 / 48	1.480,-	
RAV-SM1603AT-E	14,00	16,00	D / C	-	-	1340 × 900 × 320	0,65 - 6,50	0,65 - 6,89	68 / 70	2.850,-	4.425,-
RBC-AMT32E	(3,00 - 16,00)	(3,00 - 18,00)				-			-	95,-	
Super Digital Inverter Duct											
RAV-SM566BTP-E						275 × 700 × 750			48 / 40	940,-	
RAV-SP564ATP-E	5,00	5,60	B / A ⁺	4,88	4,01	550 × 780 × 290	0,21 - 2,05	0,17 - 2,51	63 / 64	1.450,-	2.485,-
RBC-AMT32E	(1,20 - 5,60)	(0,90 - 7,40)				-			-	95,-	
RAV-SM806BTP-E						275 × 1000 × 750			49 / 41	1.070,-	
RAV-SP804ATP-E	7,10	8,00	A ⁺ / A ⁺	5,88	4,00	890 × 900 × 320	0,30 - 2,88	0,27 - 3,50	64 / 65	1.940,-	3.105,-
RBC-AMT32E	(1,90 - 8,00)	(1,30 - 10,60)				-			-	95,-	
RAV-SM1106BTP-E						275 × 1400 × 750			55 / 48	1.320,-	
RAV-SP1104AT-E	10,00	11,20	A ⁺ / A	5,65	3,87	1340 × 900 × 320	0,64 - 3,80	0,52 - 4,00	66 / 67	2.630,-	4.045,-
RBC-AMT32E	(2,60 - 12,00)	(2,40 - 13,00)				-			-	95,-	
RAV-SM1106BTP-E						275 × 1400 × 750			55 / 48	1.320,-	
RAV-SP1104AT8-E *	10,00	11,20	A ⁺ / A	5,65	3,87	1340 × 900 × 320	0,66 - 4,01	0,53 - 4,42	66 / 67	3.050,-	4.465,-
RBC-AMT32E	(2,60 - 12,00)	(2,40 - 15,60)				-			-	95,-	
RAV-SM1406BTP-E						275 × 1400 × 750			55 / 48	1.370,-	
RAV-SP1404AT-E	12,50	14,00	B / A	-	-	1340 × 900 × 320	0,64 - 4,47	0,52 - 4,50	68 / 69	2.940,-	4.405,-
RBC-AMT32E	(2,60 - 14,00)	(2,40 - 16,50)				-			-	95,-	
RAV-SM1406BTP-E						275 × 1400 × 750			55 / 48	1.370,-	
RAV-SP1404AT8-E *	12,50	14,00	B / A	-	-	1340 × 900 × 320	0,66 - 4,89	0,53 - 5,71	68 / 69	3.180,-	4.645,-
RBC-AMT32E	(2,60 - 14,00)	(2,40 - 18,00)				-			-	95,-	
RAV-SM1606BTP-E						275 × 1400 × 750			55 / 48	1.480,-	
RAV-SP1604AT8-E *	14,00	16,00	C / A	-	-	1340 × 900 × 320	0,66 - 6,50	0,53 - 6,96	68 / 70	3.650,-	5.225,-
RBC-AMT32E	(2,60 - 16,00)	(2,40 - 19,00)				-			-	95,-	

❄️ Cooling 🔥 Heating * 3-phase outdoor unit

Accessories Duct units

Type		Single price excl. VAT (EUR)
TCB-SF56C6BPE	Flange for RAV-SM566BTP-E (2 × ∅ 200 mm)	120,-
TCB-SF80C6BPE	Flange for RAV-SM806BTP-E (3 × ∅ 200 mm)	145,-
TCB-SF160C6BPE	Flange for RAV-SM1106/1406/1606BTP-E (4 × ∅ 200 mm)	180,-

PRICE LIST – LIGHT COMMERCIAL

Digital Inverter & Super Digital Inverter Slim Duct

- Low unit height of only 210 mm
- Suitable for installation in suspended ceilings
- Energy-saving mode possible
- Drain pump with 850 mm lifting height installed (measured from the bottom edge of the unit)



LIGHT COMMERCIAL

Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H x W x D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	❄️	🔥		SEER	SCOP		❄️	🔥			
Digital Inverter Slim Duct											
RAV-SM304SDT-E						210 x 845 x 645			54 / 48	1.000,-	
RAV-SM304ATP-E	2,50	3,40	A++ / A+	6,10	4,48	550 x 780 x 290	0,56	0,86	61 / 62	860,-	1.955,-
RBC-AMT32E	(0,90 - 3,00)	(0,80)				-			-	95,-	
RAV-SM404SDT-E						210 x 845 x 645			54 / 48	1.030,-	
RAV-SM404ATP-E	3,60	4,00	A / A	5,55	3,88	550 x 780 x 290	0,93	0,97	64 / 65	1.050,-	2.175,-
RBC-AMT32E	(0,90 - 4,00)	(4,50)				-			-	95,-	
RAV-SM564SDT-E						210 x 845 x 645			60 / 51	1.050,-	
RAV-SM564ATP-E	5,00	5,30	B / A+	5,06	4,06	550 x 780 x 290	0,32 - 2,75	0,32 - 2,40	63 / 65	1.200,-	2.345,-
RBC-AMT32E	(1,50 - 5,60)	(1,50 - 6,30)				-			-	95,-	
Super Digital Inverter Slim Duct											
RAV-SM564SDT-E						210 x 845 x 645			60 / 60	1.050,-	
RAV-SP564ATP-E	5,00	5,60	A / A	5,10	3,83	550 x 780 x 290	0,21 - 2,29	0,17 - 2,37	63 / 64	1.450,-	2.595,-
RBC-AMT32E	(1,20 - 5,60)	(0,90 - 7,40)				-			-	95,-	

Digital Inverter BIG High-pressure Duct

- High-pressure model for single-application
- Combination with Digital Inverter BIG
- External static pressure up to 196 Pa



Type	Capacity (kW)		Energy label	Efficiency		Dimensions (H x W x D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price	Set price
	❄️	🔥		SEER	SCOP		❄️	🔥			
High-pressure Duct – combination only with Digital Inverter BIG											
RAV-SM2242DT-E ¹⁾						470 x 1380 x 1250			74 / 74	4.190,-	
RAV-SM2244AT8-E *	20,00	22,40	D / B	-	-	1540 x 900 x 320	3,26 - 9,09	2,57 - 7,45	72 / 74	4.390,-	8.675,-
RBC-AMT32E	(9,80 - 22,40)	(9,80 - 25,00)				-			-	95,-	
RAV-SM2802DT-E ¹⁾						470 x 1380 x 1250			75 / 75	4.500,-	
RAV-SM2804AT8-E *	23,00	27,00	D / C	-	-	1540 x 900 x 320	3,36 - 12,76	2,57 - 11,01	74 / 75	4.810,-	9.405,-
RBC-AMT32E	(9,80 - 27,00)	(9,80 - 31,50)				-			-	95,-	

¹⁾ Model change on Series 4 during the summer 2016

❄️ Cooling 🔥 Heating * 3-phase outdoor unit

Valve kit for Digital Inverter, Super Digital Inverter, Digital Inverter Big



- DX Kit with PC board, transformer, terminal strips and installation instructions
- Remote control must be ordered separately
- Applicable in conjunction with ventilation systems and air-curtains
- Available in two different versions for exhaust air temperature control or 0-10V control

Type		Single price excl. VAT (EUR)
Exhaust temperature control		
RAV-DXC010	Cooling and heating operation, for all Super Digital and Digital Inverter as well as DI BIG	1.050,-
Power control		
RBC-DXC031	Control unit for power control via 0-10V signal	1.150,-

RAV SPLIT SOLUTIONS for one temperature zone

- Affordable multi-solutions for one temperature zone
- Twin, Triple and Double Twin Split combinations in conjunction with a wired remote control possible
- Indoor unit have to be identical for multi-solutions (same construction and capacity)

Type	Capacity (kW)		Dimensions (H x W x D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)	
	❄️	🔥		❄️	🔥			
Digital Inverter outdoor unit 1-phase								
RAV-SM1104ATP-E	10,00	11,20	890 x 900 x 320	depending on combination with indoor unit	70 / 71	2.020,-		
RAV-SM1404ATP-E	12,10	12,80	890 x 900 x 320		70 / 71	2.170,-		
RAV-SM1603AT-E	14,00	16,00	1340 x 900 x 320		68 / 70	2.850,-		
Super Digital Inverter outdoor unit 1-phase								
RAV-SP1104AT-E	10,00	11,20	1340 x 900 x 320		66 / 67	2.630,-		
RAV-SP1404AT-E	12,50	14,00	1340 x 900 x 320		68 / 69	2.940,-		
Super Digital Inverter outdoor unit 3-phase								
RAV-SP1104AT8-E	10,00	11,20	1340 x 900 x 320	66 / 67	3.050,-			
RAV-SP1404AT8-E	12,50	14,00	1340 x 900 x 320	68 / 69	3.180,-			
RAV-SP1604AT8-E	14,00	16,00	1340 x 900 x 320	68 / 70	3.650,-			
DI – Big outdoor unit								
RAV-SM2244AT8-E	20,00	22,40	1540 x 900 x 320	3,26 - 9,09	2,57 - 7,45	72 / 74	4.390,-	
RAV-SM2804AT8-E	23,00	27,00	1540 x 900 x 320	3,36 - 12,76	2,57 - 11,01	74 / 75	4.810,-	

Table of combinations – Digital Inverter BIG

System (kW)		Indoor unit (kW) **		
❄️	🔥	Twin	Triple	Double-Twin
20,00 kW	22,40 kW	11,20 + 11,20 kW	8,00 + 8,00 + 8,00 kW	5,60 + 5,60 + 5,60 + 5,60 kW
23,00 kW	27,00 kW	14,00 + 14,00 kW	8,00 + 8,00 + 8,00 kW	8,00 + 8,00 + 8,00 + 8,00 kW

Table of combinations – Digital Inverter, Super Digital Inverter

System		Indoor unit (kW) **	
❄️	🔥	Twin	Triple
10,00 kW	11,20 kW	5,60 + 5,60 kW	–
12,50 kW	14,00 kW	8,00 + 8,00 kW	–
14,00 kW	16,00 kW	8,00 + 8,00 kW	5,60 + 5,60 + 5,60 kW

❄️ Cooling

🔥 Heating

** Indoor unit types have to be identical

Joists for Multi installations

Type			Single price excl. VAT (EUR)
Digital Inverter BIG			
RBC-TWP101E	Twin Kit	22,40 and 27,00 kW	195,-
RBC-TRP100E	Triple Kit	22,40 and 27,00 kW	270,-
RBC-DTWP101E	Double Twin Kit	22,40 and 27,00 kW	280,-
Digital Inverter / Super Digital Inverter			
RBC-TWP30E2	Twin Kit	11,20 kW	90,-
RBC-TWP50E2	Twin Kit	14,00 kW	95,-
RBC-TRP100E	Triple Kit	16,00 kW	270,-

LIGHT COMMERCIAL



DIGITAL INVERTER Air Curtain

- Three standard versions, each in two versions with different pressure
- Customized solutions on request
- Compatible with Digital Inverter and Super Digital Inverter
- Rapid installation
- Uncomplicated access for maintenance



Type	Capacity (kW)		Dimensions (H × W × D) (mm)	Air flow (m³/h)	Room height in m	Sound pressure (dB(A))	Single price excl. VAT (EUR)
	Code (HP)	Heating capacity (kW)					
Free-hanging unit							
RAV-CT101CH-M	3	8,00	260 × 1210 × 490	1600	3,00	54	7.315,-
RAV-CT101CH-L	3	8,00	260 × 1210 × 490	2210	3,20	55	7.500,-
RAV-CT151CH-M	4	11,20	260 × 1710 × 490	2400	3,00	55	8.565,-
RAV-CT151CH-L	4	11,20	260 × 1710 × 490	2950	3,20	56	8.740,-
RAV-CT201CH-M	5	14,00	260 × 2210 × 490	3200	3,00	56	9.625,-
RAV-CT201CH-L	5	14,00	260 × 2210 × 490	4420	3,20	57	10.500,-
RAV-CT251CH-M	6	16,00	260 × 2710 × 490	4000	3,00	57	10.875,-
RAV-CT251CH-L	6	16,00	260 × 2710 × 490	5160	3,20	58	11.440,-
Cassette							
RAV-CT101UH-M	3	8,00	260 × 1050 × 755	1600	3,00	54	7.690,-
RAV-CT101UH-L	3	8,00	260 × 1050 × 755	2210	3,20	55	8.025,-
RAV-CT151UH-M	4	11,20	260 × 1550 × 755	2400	3,00	55	8.625,-
RAV-CT151UH-L	4	11,20	260 × 1550 × 755	2950	3,20	56	9.000,-
RAV-CT201UH-M	5	14,00	260 × 2050 × 755	3200	3,00	56	9.750,-
RAV-CT201UH-L	5	14,00	260 × 2050 × 755	4420	3,20	57	10.565,-
RAV-CT251UH-M	6	16,00	260 × 2550 × 755	4000	3,00	57	11.600,-
RAV-CT251UH-L	6	16,00	260 × 2550 × 755	5160	3,20	58	12.375,-
Built-in unit							
RAV-CT101BH-M	3	8,00	405 - 485 × 1105 × 720	1600	3,00	54	8.065,-
RAV-CT101BH-L	3	8,00	405 - 485 × 1105 × 720	2210	3,20	55	8.315,-
RAV-CT151BH-M	4	11,20	405 - 485 × 1605 × 720	2400	3,00	55	9.565,-
RAV-CT151BH-L	4	11,20	405 - 485 × 1605 × 720	2950	3,20	56	9.750,-
RAV-CT201BH-M	5	14,00	405 - 485 × 2105 × 720	3200	3,00	56	10.815,-
RAV-CT201BH-L	5	14,00	405 - 485 × 2105 × 720	4420	3,20	57	11.625,-
RAV-CT251BH-M	6	16,00	405 - 485 × 2605 × 720	4000	3,00	57	12.165,-
RAV-CT251BH-L	6	16,00	405 - 485 × 2605 × 720	5160	3,20	58	12.625,-



PRICE LIST – LIGHT COMMERCIAL

Compatible outdoor units to the air curtains

LIGHT COMMERCIAL

Type	Capacity (kW)		Dimensions (H × W × D) (mm)	Power consumption (kW)		Sound power level (dB(A))	Single price excl. VAT (EUR)
		☀			☀		
RAV-SM804ATP-E	7,70		550 × 780 × 290	0,31 - 3,18		69	1.540,-
RAV-SM1104ATP-E	11,20		890 × 900 × 320	0,60 - 4,00		71	2.020,-
RAV-SM1404ATP-E	12,80		890 × 900 × 320	0,60 - 4,55		71	2.170,-
RAV-SM1603AT-E	16,00		1340 × 900 × 320	0,65 - 6,89		70	2.850,-
RAV-SP804ATP-E	8,00		890 × 900 × 320	0,27 - 3,50		65	1.940,-
RAV-SP1104AT-E	11,20		1340 × 900 × 320	0,52 - 4,00		67	2.630,-
RAV-SP1104AT8-E*	11,20		1340 × 900 × 320	0,53 - 4,42		67	3.050,-
RAV-SP1404AT-E	14,00		1340 × 900 × 320	0,52 - 4,50		69	2.940,-
RAV-SP1404AT8-E*	14,00		1340 × 900 × 320	0,53 - 5,71		69	3.180,-
RAV-SP1604AT8-E*	16,00		1340 × 900 × 320	0,53 - 6,96		70	3.650,-

☀ Heating

* 3-phase outdoor unit

Example of calculation:

Built-in model with 8 kW in combination with a Digital Inverter outdoor unit

Type	Capacity (kW)		Dimensions (H × W × D) (mm)	Air flow (m³/h)	Sound pressure (dB(A))	Single price excl. VAT (EUR)	Set price
	Code (HP)	Heating capacity (kW)					
Built-in unit							
RAV-CT101BH-M			405 - 485 × 1105 × 720	1520	54	8.065,-	
RAV-SM804ATP-E	3	8,00	550 × 780 × 290	-	48 / 52	1.540,-	9.700,-
RBC-AMT32E			-	-	-	95,-	











LIGHT COMMERCIAL

Indoor units

COMMERCIAL

Model type	HP kW	0,6 1,7	0,8 2,2	1,0 2,8	1,3 3,6	1,7 4,5	2,0 5,6	2,5 7,1	3,0 8,0	3,2 9,0	4,0 11,2	5,0 14,0	6,0 16,0	8,0 22,4	10,0 28	
HI-WALL																
Series 4 MMK-AP(...)4MH-E		•	•	•	•											
Series 3 MMK-AP(...)3H			•	•	•	•	•	•								
CEILING																
MMC-AP(...)HP-E						•	•	•	•		•	•	•			
CASSETTE																
60 x 60 4-way Cassette MMU-AP(...)MH-E		•	•	•	•	•	•									
4-way Cassette MMU-AP(...)HP-E				•	•	•	•	•	•	•	•	•	•			
2-way Cassette MMU-AP(...)WH			•	•	•	•	•	•	•	•	•	•	•			
1-way Cassette MMU-AP(...)YH/SH-E			•	•	•	•	•	•								
DUCT																
Slim Duct MMD-AP(...)SPH-E		•	•	•	•	•	•	•	•							
Standard Duct MMD-AP(...)BH(P)-E			•	•	•	•	•	•	•	•	•	•	•			
High Static Pressure Duct - Series 4 MMD-AP(...)4H-E							•	•	•		•	•		•	•	
High Static Pressure Duct - Series 6 MMD-AP(...)6H-E							•	•	•		•	•	•	•	•	
Duct with fresh air intake MMD-AP(...)HFE												•		•	•	

	HP kW	0,6 1,7	0,8 2,2	1,0 2,8	1,3 3,6	1,7 4,5	2,0 5,6	2,5 7,1	3,0 8,0	3,2 9,0	4,0 11,2	5,0 14,0	6,0 16,0	8,0 22,4	10,0 28	
CHASSIS																
Chassis MML-AP(...)BH-E			●	●	●	●	●	●								
Floor MMF-AP(...)H-E						●	●	●	●		●	●	●			
Console MML-AP(...)NH-E			●	●	●	●	●									
Hot Water Module									●				●			
Valve kit exhaust temperature control			●	●	●	●	●	●	●	●	●	●	●	●	●	●
Valve kit 0-10V power control											●	●	●	●	●	

COMMERCIAL



VRF SYSTEMS

MiNi-Super Multi System (MiNi SMMS)

- 1-phase
- 2-pipe heat pump system with very high efficiency up to 4,29
- 3 compact outdoor units available in the performances from 12,1 to 15,5 kW
- Depending on the outdoor unit up to 9 indoor units can be used
- Very lightweight outdoor units

MiNi-Super Multi System e (MiNi SMMS-e)

- 3-phase
- 2-pipe heat pump system with excellent efficiencies: SEER up to 10,99, SCOP up to 7,19
- 3 compact outdoor units available in the performances from 12,1 to 15,5 kW
- Depending on the outdoor unit up to 13 indoor units can be used
- Cooling to + 46°C outdoor temperature

Super Heat Recovery System i (SHRM-i)

- 3-pipe system which enables simultaneous and independent cooling and heating
- Very high energy efficiency (EER up to 3,7 / COP up to 4,0) by heat recovery
- Capacity range: 8 to 42 HP (22,4 to 118 kW)
- Maximum energy savings
- High plant flexibility

Super Modular Multi System i (SMMS-i)

- 2-pipe system in heat pump version
- Capacity range: 22,4 kW (8 HP) up to 135 kW (48 HP); outdoor units with 8, 10, 12, 14 and 16 HP
- Up to 48 indoor units can be used
- Excellent efficiency at part load
- Low noise level

Super Modular Multi System e (SMMS-e)

- 2-pipe system in heat pump version
- Capacity range: 22,4 kW (8 HP) up to 168 kW (60 HP); outdoor units 8 - 22 HP
- Up to 64 indoor units can be used
- Excellent efficiencies in all areas
- Optimised Heating: more comfort in heating mode
- IFT-Technology: the perfect refrigerant management for maximum energy savings
- Wave Tool: wireless NFC connection for reading data on Android phone and tablet



Super Modular Multi System i (SMMS-i) Outdoor units

- Excellent efficiencies at partial load
- 2-pipe System
- Highest reliability
- Low noise level
- Flexible scheduling options



Type	Capacity (kW)		Dimensions (H x W x D) (mm)	Weight (kg)	Sound pressure (dB(A)) ❄️ / 🔥	Price excl. VAT (EUR)
	❄️	🔥				
Outdoor units „Heat pump“						
MMY-MAP0804HT8P-E	22,40	25,00	1830 x 990 x 780	242	55 / 56	8.620,-
MMY-MAP1004HT8P-E	28,00	31,50	1830 x 990 x 780	242	57 / 58	8.990,-
MMY-MAP1204HT8P-E	33,50	37,50	1830 x 990 x 780	242	59 / 62	9.960,-
MMY-MAP1404HT8P-E	40,00	45,00	1830 x 1210 x 780	329	60 / 62	12.100,-
MMY-MAP1604HT8P-E	45,00	50,00	1830 x 1210 x 780	329	62 / 64	12.990,-

❄️ Cooling 🔥 Heating

Super Modular Multi System e (SMMS-e) Outdoor units

- ESEER values for all units over 7
- 2-pipe System
- Up to 64 units can be connected
- Capacity to 22 HP with only one outdoor unit module
- Optimized Heating
- Wave Tool



Type	Capacity (kW)		Dimensions (H x W x D) (mm)	Weight (kg)	Sound pressure (dB(A)) ❄️ / 🔥	Price excl. VAT (EUR)
	❄️	🔥				
Outdoor units „Heat pump“						
MMY-MAP0806HT8P-E	22,40	25,00	1830 x 990 x 780	242	55 / 56	8.990,-
MMY-MAP1006HT8P-E	28,00	31,50	1830 x 990 x 780	242	57 / 58	9.390,-
MMY-MAP1206HT8P-E	33,50	37,50	1830 x 990 x 780	242	59 / 61	10.350,-
MMY-MAP1406HT8P-E	40,00	45,00	1830 x 1210 x 780	300	60 / 62	12.640,-
MMY-MAP1606HT8P-E	45,00	50,00	1830 x 1210 x 780	300	62 / 64	13.560,-
MMY-MAP1806HT8P-E	50,40	56,00	1830 x 1600 x 780	371	60 / 61	14.750,-
MMY-MAP2006HT8P-E	56,00	63,00	1830 x 1600 x 780	371	61 / 62	15.800,-
MMY-MAP2206HT8P-E	61,50	64,00	1830 x 1600 x 780	371	61 / 62	16.850,-



❄️ Cooling 🔥 Heating


SMMS-i outdoor unit combinations

Model name	Capacity (kW)		Quantity of outdoor units	Max. number of indoor units	Price excl. VAT (EUR)
					
MMY-MAP0804HT8P-E	22,40	25,00	1	13	8.620,-
MMY-MAP1004HT8P-E	28,00	31,50	1	16	8.990,-
MMY-MAP1204HT8P-E	33,50	37,50	1	20	9.960,-
MMY-MAP1404HT8P-E	40,00	45,00	1	23	12.100,-
MMY-MAP1604HT8P-E	45,00	50,00	1	27	12.990,-
MMY-AP1814HT8P-E	50,40	56,50	2	30	17.610,-
MMY-AP2014HT8P-E	56,00	63,00	2	33	17.980,-
MMY-AP2214HT8P-E	61,50	69,00	2	37	18.950,-
MMY-AP2414HT8P-E	68,00	76,50	2	40	19.920,-
MMY-AP2614HT8P-E	73,00	81,50	2	43	21.980,-
MMY-AP2814HT8P-E	78,50	88,00	2	47	22.950,-
MMY-AP3014HT8P-E	85,00	95,00	2	48	25.090,-
MMY-AP3214HT8P-E	90,00	100,00	2	48	25.980,-
MMY-AP3414HT8P-E	96,00	108,00	3	48	28.910,-
MMY-AP3614HT8P-E	101,00	113,00	3	48	29.880,-
MMY-AP3814HT8P-E	106,50	119,50	3	48	31.940,-
MMY-AP4014HT8P-E	112,00	127,00	3	48	32.910,-
MMY-AP4214HT8P-E	118,00	132,00	3	48	35.050,-
MMY-AP4414HT8P-E	123,50	138,00	3	48	35.940,-
MMY-AP4614HT8P-E	130,00	145,00	3	48	38.080,-
MMY-AP4814HT8P-E	135,00	150,00	3	48	38.970,-
High efficient models					
MMY-AP1624HT8P-E	45,00	50,00	2	27	17.240,-
MMY-AP2424HT8P-E	68,00	76,50	3	40	25.860,-
MMY-AP2624HT8P-E	73,00	81,50	3	43	26.230,-
MMY-AP2824HT8P-E	78,50	88,00	3	47	26.600,-
MMY-AP3024HT8P-E	85,00	95,00	3	48	26.970,-
MMY-AP3224HT8P-E	90,00	100,00	4	48	34.480,-
MMY-AP3424HT8P-E	96,00	108,00	4	48	34.850,-
MMY-AP3624HT8P-E	101,00	113,00	4	48	35.220,-
MMY-AP3824HT8P-E	106,50	119,50	4	48	35.590,-
MMY-AP4024HT8P-E	112,00	127,00	4	48	35.960,-
MMY-AP4224HT8P-E	118,00	132,00	4	48	36.930,-
MMY-AP4424HT8P-E	123,50	138,00	4	48	37.900,-
MMY-AP4624HT8P-E	130,00	145,00	4	48	38.870,-
MMY-AP4824HT8P-E	135,00	150,00	4	48	39.840,-

 Cooling  Heating

SMMS-e outdoor unit combinations

Model name	Capacity (kW)		Quantity of outdoor units	Max. number of indoor units	Price excl. VAT (EUR)
					
MMY-MAP0806HT8P-E	22,40	25,00	1	18	8.990,-
MMY-MAP1006HT8P-E	28,00	31,50	1	22	9.390,-
MMY-MAP1206HT8P-E	33,50	37,50	1	27	10.350,-
MMY-MAP1406HT8P-E	40,00	45,00	1	31	12.640,-
MMY-MAP1606HT8P-E	45,00	50,00	1	36	13.560,-
MMY-MAP1806HT8P-E	50,40	56,00	1	40	14.750,-
MMY-MAP2006HT8P-E	56,00	63,00	1	45	15.800,-
MMY-MAP2206HT8P-E	61,50	64,00	1	49	16.850,-
MMY-AP2416HT8P-E	67,00	75,00	2	54	20.700,-
MMY-AP2616HT8P-E	73,50	82,50	2	58	22.990,-
MMY-AP2816HT8P-E	78,50	87,50	2	63	23.910,-
MMY-AP3016HT8P-E	85,00	95,00	2	64	26.200,-
MMY-AP3216HT8P-E	90,00	100,00	2	64	27.120,-
MMY-AP3416HT8P-E	95,40	106,00	2	64	28.310,-
MMY-AP3616HT8P-E	101,00	113,00	2	64	29.360,-
MMY-AP3816HT8P-E	106,50	114,00	2	64	30.410,-
MMY-AP4016HT8P-E	112,00	126,00	2	64	31.600,-
MMY-AP4216HT8P-E	117,50	127,00	2	64	32.650,-
MMY-AP4416HT8P-E	123,00	128,00	2	64	33.700,-
MMY-AP4616HT8P-E	130,00	145,00	3	64	39.760,-
MMY-AP4816HT8P-E	135,00	150,00	3	64	40.680,-
MMY-AP5016HT8P-E	140,40	156,00	3	64	41.870,-
MMY-AP5216HT8P-E	146,00	163,00	3	64	42.920,-
MMY-AP5416HT8P-E	151,50	164,00	3	64	43.970,-
MMY-AP5616HT8P-E	157,00	176,00	3	64	45.160,-
MMY-AP5816HT8P-E	162,50	177,00	3	64	46.210,-
MMY-AP6016HT8P-E	168,00	178,00	3	64	47.260,-
High efficient models					
MMY-AP2026HT8P-E	56,00	63,00	2	45	18.780,-
MMY-AP2226HT8P-E	61,50	69,00	2	49	19.740,-
MMY-AP3626HT8P-E	100,50	112,50	3	64	31.050,-
MMY-AP3826HT8P-E	107,00	120,00	3	64	33.340,-
MMY-AP4026HT8P-E	113,50	127,50	3	64	35.630,-
MMY-AP4226HT8P-E	120,00	135,00	3	64	37.920,-
MMY-AP4426HT8P-E	125,00	140,00	3	64	38.840,-
MMY-AP5426HT8P-E	152,00	171,00	3	64	44.240,-

 Cooling  Heating

MiNi SMMS-i 1-phase



- Compact inverter operated outdoor units
- Low noise level
- 230 V power supply
- Diversity 80 – 130 %
- PMV-kit optional for noise-sensitive applications

Type	Capacity (kW)			Dimensions (H × W × D) (mm)	Weight (kg)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	❄	☀	Code (HP)				
Outdoor units MiNi SMMS-i							
MCY-MAP0401HT ¹⁾	12,10	12,50	4	1340 × 900 × 320	117	67	4.100,-
MCY-MAP0501HT ²⁾	14,00	16,00	5	1340 × 900 × 320	117	69	4.200,-
MCY-MAP0601HT ³⁾	15,50	18,00	6	1340 × 900 × 320	117	70	4.600,-

¹⁾ max. 6 indoor units

²⁾ max. 8 indoor units

³⁾ max. 9 indoor units

MiNi SMMS-e 3-phase



- Power supply 380-415V / 3Ph / 50Hz
- Combinable up to 13 indoor units
- ESEER values up to 10,99
- SCOP values up to 7,19
- VN / HEX heat exchanger and new 0,6 HP units can be connected

Type	Capacity (kW)			Dimensions (H × W × D) (mm)	Weight (kg)	Sound pressure [dB(A)] ❄ / ☀	Single price excl. VAT (EUR)
	❄	☀	Code (HP)				
Outdoor units MiNi SMMS-e							
MCY-MHP0404HS8-E ¹⁾	12,10	12,50	4	1235 × 990 × 390	125	49/52	4.400,-
MCY-MHP0504HS8-E ²⁾	14,00	16,00	5	1235 × 990 × 390	125	50/53	4.500,-
MCY-MHP0604HS8-E ³⁾	15,50	18,00	6	1235 × 990 × 390	125	51/54	4.900,-

¹⁾ max. 8 indoor units

²⁾ max. 10 indoor units

³⁾ max. 13 indoor units

Optional PMV-KIT

Type	Single price excl. VAT (EUR)
RBM-PMV0362E Optional valve kit for extra quiet operation, indoor unit types 007, 009, 012	215,-
RBM-PMV0902E Optional valve kit for extra quiet operation, indoor unit types 015, 018, 024	240,-

Super-Heat Recovery Multi System i (SHRM-i) Outdoor units



- 3-pipe heat recovery system
- Simultaneous heating and cooling
- Indoor units and control systems for SHRM-i are identical with those of SMMS-i systems

Type	Capacity (kW)			Dimensions (H × W × D) (mm)	Weight (kg)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
Outdoor units SHRM-i							
MMY-MAP0804FT8-E	22,40	25,00	8	1830 × 990 × 780	259	55/57	10.800,-
MMY-MAP1004FT8-E	28,00	31,50	10	1830 × 990 × 780	259	57/59	12.150,-
MMY-MAP1204FT8-E	33,50	37,50	12	1830 × 1210 × 780	334	60/62	16.450,-
MMY-MAP1404FT8-E	40,00	45,00	14	1830 × 1210 × 780	334	62/64	17.550,-

❄️ Cooling 🔥 Heating

SHRM-i outdoor unit combinations

Model name	Capacity (kW)		Quantity of outdoor units	Max. number of indoor units	Price excl. VAT (EUR)
	❄️	🔥			
MMY-AP1614FT8-E	45,00	50,00	2	27	21.600,-
MMY-AP1814FT8-E	50,40	56,50	2	30	22.950,-
MMY-AP2014FT8-E	56,00	63,00	2	33	24.300,-
MMY-AP2214FT8-E	61,50	69,00	2	37	28.600,-
MMY-AP2414FT8-E	68,00	76,50	2	40	29.700,-
MMY-AP2614FT8-E	73,00	81,50	2	43	34.000,-
MMY-AP2814FT8-E	78,50	88,00	2	47	35.100,-
MMY-AP3014FT8-E	85,00	95,00	3	48	36.450,-
MMY-AP3214FT8-E	90,00	100,00	3	48	40.750,-
MMY-AP3414FT8-E	96,00	108,00	3	48	41.850,-
MMY-AP3614FT8-E	101,00	113,00	3	48	46.150,-
MMY-AP3814FT8-E	106,50	119,50	3	48	47.250,-
MMY-AP4014FT8-E	112,00	127,00	3	48	51.550,-
MMY-AP4214FT8-E	118,00	132,00	3	48	52.650,-



SHRM-i refrigerant flow selectors

Type	Connectable indoor unit types	Dimensions (H × W × D) (mm)	Weight (kg)	Single price excl. VAT (EUR)
RBM-Y1123FE	007 - 030	190 × 250 × 160	5	750,-
RBM-Y1803FE	036 - 056	190 × 250 × 160	5	800,-
RBM-Y2803FE	072 - 096	200 × 377 × 200	8	1.400,-
RBC-FSEX15 Connection cable, 15 m (not in stock)				100,-

❄️ Cooling 🔥 Heating

VRF Hi-wall – Series 3

- Simple, elegant design with a flat panel
- Same dimensions for all types
- Infrared remote control included



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
Hi-wall							
MMK-AP0073H	2,20	2,50	0,8	320 × 1050 × 228	570	35 / 28	780,-
MMK-AP0093H	2,80	3,20	1	320 × 1050 × 228	600	37 / 28	790,-
MMK-AP0123H	3,60	4,00	1,25	320 × 1050 × 228	600	37 / 28	800,-
MMK-AP0153H	4,50	5,00	1,7	320 × 1050 × 228	840	41 / 33	895,-
MMK-AP0183H	5,60	6,30	2,0	320 × 1050 × 228	840	41 / 33	920,-
MMK-AP0243H	7,10	8,00	2,5	320 × 1050 × 228	1020	46 / 34	930,-

❄️ Cooling 🔥 Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Hi-wall – Series 3 with external PMV kit

- Series E1 without built-in Pulse motor valve
- Extremely quiet
- Must be installed exclusively in connection with the PMV kit!
- Especially for noise-sensitive applications



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)	Set price excl. VAT (EUR)
	❄️	🔥	Code (HP)					
Hi-wall								
MMK-AP0073HP-E1	2,20	2,50	0,8	320 × 1050 × 228	570	35 / 28	780,-	995,-
RBM-PMV0363E							215,-	
MMK-AP0093HP-E1	2,80	3,20	1	320 × 1050 × 228	600	37 / 28	790,-	1.005,-
RBM-PMV0363E							215,-	
MMK-AP0123HP-E1	3,60	4,00	1,25	320 × 1050 × 228	600	37 / 28	800,-	1.015,-
RBM-PMV0363E							215,-	
MMK-AP0153HP-E1	4,50	5,00	1,7	320 × 1050 × 228	840	41 / 33	895,-	1.135,-
RBM-PMV0903E							240,-	
MMK-AP0183HP-E1	5,60	6,30	2,0	320 × 1050 × 228	840	41 / 33	920,-	1.160,-
RBM-PMV0903E							240,-	
MMK-AP0243HP-E1	7,10	8,00	2,5	320 × 1050 × 228	1020	46 / 34	930,-	1.170,-
RBM-PMV0903E							240,-	

❄️ Cooling 🔥 Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Hi-wall – Series 4

- Modern design
- Very compact dimensions
- Infrared remote control with a 24-hours timer included



Type	Capacity (kW)*			Dimensions (H x W x D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
Hi-wall							
MMK-AP0054MHP-E*	1,70	1,90	0,6	275 x 790 x 208	445	33 / 29	760,-
* Combinable only with outdoor units of Series-e!							
MMK-AP0074MH-E	2,20	2,50	0,8	275 x 790 x 208	480	35 / 29	780,-
MMK-AP0094MH-E	2,80	3,20	1	275 x 790 x 208	510	36 / 29	790,-
MMK-AP0124MH-E	3,60	4,00	1,25	275 x 790 x 208	540	37 / 29	800,-

VRF Hi-wall – Series 4 with external PMV kit

- Series E1 without built-in Pulse motor valve
- Extremely quiet
- Must be installed exclusively in connection with the PMV kit!
- Especially for noise-sensitive applications



Type	Capacity (kW)*			Dimensions (H x W x D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)	Set price excl. VAT (EUR)
	❄️	🔥	Code (HP)					
Hi-wall								
MMK-AP0054MHP-E1*	1,70	1,90	0,6	275 x 790 x 208	445	33 / 29	760,-	975,-
RBM-PMV0363E							215,-	
* Combinable only with outdoor units of Series-e!								
MMK-AP0074MHP-E1	2,20	2,50	0,8	275 x 790 x 208	480	35 / 29	780,-	995,-
RBM-PMV0363E							215,-	
MMK-AP0094MHP-E1	2,80	3,20	1	275 x 790 x 208	510	36 / 29	790,-	1.005,-
RBM-PMV0363E							215,-	
MMK-AP0124MHP-E1	3,60	4,00	1,25	275 x 790 x 208	540	37 / 29	800,-	1.015,-
RBM-PMV0363E							215,-	

❄️ Cooling 🔥 Heating



VRF Ceiling

- New, elegant design with large air conducting strip for optimum air distribution in the room
- Higher efficiency through the use of a new heat exchanger
- More air volume with simultaneous noise reduction
- Easy installation



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
Ceiling							
MMC-AP0157HP-E	4,50	5,00	1,7	235 × 950 × 690	840	36 / 28	1.290,-
MMC-AP0187HP-E	5,60	6,30	2	235 × 950 × 690	960	37 / 28	1.360,-
MMC-AP0247HP-E	7,10	8,00	2,5	235 × 1270 × 690	1.440	41 / 29	1.430,-
MMC-AP0277HP-E	8,00	9,00	3	235 × 1270 × 690	1.440	41 / 29	1.540,-
MMC-AP0367HP-E	11,20	12,50	4	235 × 1586 × 690	1.860	44 / 32	1.690,-
MMC-AP0487HP-E	14,00	16,00	5	235 × 1586 × 690	1.860	44 / 35	1.890,-
MMC-AP0567HP-E	16,00	18,00	6	235 × 1586 × 690	2.040	46 / 36	1.990,-
TCB-DP31CE	Drain pump; Lift 600 mm, measured from the bottom edge of the unit						290,-
TCB-KP13CE	Elbow piping kit; MMC-AP0157/0187HP-E						80,-
TCB-KP23CE	Elbow piping kit; MMC-AP0247 - 0567HP-E						95,-
TCB-PCUC1E	Control kit (Functions: Analog inputs and digital inputs / outputs for external control, alarms and messages)						130,-

❄️ Cooling 🔥 Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type	Single price excl. VAT (EUR)
TCB-FF101URE2 Spigot for fresh air intake Ø 100 mm	55,-

VRF Slim Duct

- Height of only 210 mm
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Air supply from below or behind possible, filter for rear air supply including



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure (dB(A))**		Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)			lower air intake	upper air intake	
Slim Duct								
MMD-AP0054SPH-E*	1,70	1,90	0,6	210 × 845 × 645	490	35 / 30	27 / 24	1.260,-
* Combinable only with outdoor units of Series-ii								
MMD-AP0056SPH-E*	1,70	1,90	0,6	210 × 845 × 645	435	33 / 30	26 / 24	1.260,-
* Combinable only with outdoor units of Series-e!								
MMD-AP0074SPH-E	2,20	2,50	0,8	210 × 845 × 645	540	36 / 30	28 / 24	1.300,-
MMD-AP0094SPH-E	2,80	3,20	1	210 × 845 × 645	540	36 / 30	28 / 24	1.330,-
MMD-AP0124SPH-E	3,60	4,00	1,25	210 × 845 × 645	600	38 / 32	29 / 25	1.400,-
MMD-AP0154SPH-E	4,50	5,00	1,7	210 × 845 × 645	690	39 / 33	32 / 28	1.460,-
MMD-AP0184SPH-E	5,60	6,30	2	210 × 845 × 645	780	40 / 36	33 / 29	1.530,-
MMD-AP0244SPH-E	7,10	8,00	2,5	210 × 1140 × 645	1080	49 / 44	38 / 33	1.650,-
MMD-AP0274SPH-E	8,00	9,00	3	210 × 1140 × 645	1080	49 / 44	38 / 33	1.780,-

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Standard Duct

- Air supply from below or behind possible, filter for rear air supply including
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Easy installation



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
Standard Duct							
MMD-AP0076BHP-E	2,20	2,50	0,8	275 × 700 × 750	540	29 / 23	1.230,-
MMD-AP0096BHP-E	2,80	3,20	1	275 × 700 × 750	570	30 / 23	1.240,-
MMD-AP0126BHP-E	3,60	4,00	1,25	275 × 700 × 750	570	30 / 23	1.260,-
MMD-AP0156BHP-E	4,50	5,00	1,7	275 × 700 × 750	800	33 / 25	1.300,-
MMD-AP0186BHP-E	5,60	6,30	2	275 × 700 × 750	800	33 / 25	1.350,-
MMD-AP0246BHP-E	7,10	8,00	2,5	275 × 1000 × 750	1200	36 / 27	1.500,-
MMD-AP0276BHP-E	8,00	9,00	3	275 × 1000 × 750	1200	36 / 27	1.560,-
MMD-AP0306BHP-E	9,00	10,00	3,2	275 × 1000 × 750	1260	36 / 27	1.700,-
MMD-AP0366BHP-E	11,20	12,50	4	275 × 1400 × 750	1920	40 / 33	1.860,-
MMD-AP0486BHP-E	14,00	16,00	5	275 × 1400 × 750	2100	40 / 33	2.000,-
MMD-AP0566BHP-E	16,00	18,00	6	275 × 1400 × 750	2100	40 / 33	2.200,-

❄️ Cooling 🔥 Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type	Compatible	Single price excl. VAT (EUR)
TCB-SF56C6BPE	Flange MMD-AP0076/0096/0126/0156/0186BH-E (2 × ø 200 mm)	120,-
TCB-SF80C6BPE	Flange MMD-AP0246/0276/0306BH-E (3 × ø 200 mm)	145,-
TCB-SF160C6BPE	Flange MMD-AP0366/0486/0566BH-E (4 × ø 200 mm)	180,-
TCB-FF101URE2	Spigot for fresh air intake ø 100 mm (for Slim Duct and Standard Duct)	55,-

VRF High Static Pressure Duct



- External static pressure up to 196 Pa
- Inspection hole for easier maintenance
- Perfect air distribution over multiple air outlets possible

Series 4 (Discontinued model - while stocks last)

Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (Standard) (m³/h)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	❄	🔴	Code (HP)				
High Static Pressure Duct							
MMD-AP0184H-E	5,60	6,30	2	380 × 850 × 660	900	37	1.790,-
MMD-AP0244H-E	7,10	8,00	2,5	380 × 850 × 660	1320	40	1.955,-
MMD-AP0274H-E	8,00	9,00	3	380 × 850 × 660	1320	40	2.040,-
MMD-AP0364H-E	11,20	12,50	4	380 × 850 × 660	1600	40	2.130,-
MMD-AP0484H-E	14,00	16,00	5	380 × 1200 × 660	2100	40	2.235,-
MMD-AP0724H-E	22,40	25,00	8	470 × 1380 × 1250	3600	49	4.890,-
MMD-AP0964H-E	28,00	31,50	10	470 × 1380 × 1250	4200	50	5.100,-

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference

Accessories

Type	Single price excl. VAT (EUR)
TCB-DP31DE Drain pump for size 184-484	1.200,-
TCB-DP32DE Drain pump for size 724-964	1.200,-

Series 6

- Small design
- Low weight
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (Standard) (m³/h)	Sound pressure [dB(A)]	Single price excl. VAT (EUR)
	❄	🔴	Code (HP)				
High Static Pressure Duct							
MMD-AP0186HP-E	5,60	6,30	2	298 × 1000 × 750	800	37	1.790,-
MMD-AP0246HP-E	7,10	8,00	2,5	298 × 1000 × 750	1200	38	1.955,-
MMD-AP0276HP-E	8,00	9,00	3	298 × 1000 × 750	1200	38	2.040,-
MMD-AP0366HP-E	11,20	12,50	4	298 × 1400 × 750	1920	41	2.130,-
MMD-AP0486HP-E	14,00	16,00	5	298 × 1400 × 750	2100	42	2.235,-
MMD-AP0566HP-E	16,00	18,00	6	298 × 1400 × 750	2400	45	2.400,-
MMD-AP0726HP-E	22,40	25,00	8	448 × 1400 × 900	3800	44	4.890,-
MMD-AP0966HP-E	28,00	31,50	10	448 × 1400 × 900	4800	46	5.100,-

❄ Cooling 🔴 Heating

VRF Duct with fresh air intake



- Perfect solution for an increased need for fresh air
- Preheating and precooling
- Unit can only be used in combination with other VRF master indoor units!

Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	☀️	Code (HP)				
Duct with fresh air intake							
MMD-AP0481HFE	14,00	8,90	5	492 × 1392 × 1262	1080	45 / 41	2.550,-
MMD-AP0721HFE	22,40	13,90	8	492 × 1392 × 1262	1680	46 / 44	5.100,-
MMD-AP0961HFE	28,00	17,40	10	492 × 1392 × 1262	2100	46 / 44	5.500,-

❄️ Cooling ☀️ Heating

Accessories

Type		Single price excl. VAT (EUR)
TCB-DP32DFE	Drain pump	680,-

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference

Nominal conditions:

Cooling: Outdoor temperature 33°C DB / 28°C WB, Setpoint temperature 18°C

Heating: Outdoor temperature 0°C DB / -2,9°C WB, Setpoint temperature 25°C

Refrigerant pipe: Length 7,5 m / Height 0 m

** Specification with the highest / lowest fan speed



VRF 60×60 4-way Cassette



- Designed for euro-grid suspended ceilings
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Height of only 268 mm
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit

Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
Compact 4-way Cassette 60 × 60							
MMU-AP0054MH-E*	1,70	1,90	0,6	268 × 575 × 575	486	35 / 28	1.250,-
* Combinable only with outdoor units of Series-!l							
MMU-AP0056MH-E*	1,70	1,90	0,6	268 × 575 × 575	430	32 / 28	1.250,-
* Combinable only with outdoor units of Series-e!l							
MMU-AP0074MH-E	2,20	2,50	0,8	268 × 575 × 575	552	36 / 38	1.290,-
MMU-AP0094MH-E	2,80	3,20	1	268 × 575 × 575	570	37 / 28	1.390,-
MMU-AP0124MH-E	3,60	4,00	1,25	268 × 575 × 575	594	37 / 29	1.450,-
MMU-AP0154MH-E	4,50	5,00	1,7	268 × 575 × 575	660	40 / 30	1.530,-
MMU-AP0184MH-E	5,6	6,30	2	268 × 575 × 575	762	44 / 34	1.590,-
Panel							
RBC-UM11PG(W)-E	–	–	–	27 × 700 × 700	–	–	310,-

VRF 4-way Cassette – Standard



- Choice of 2 different panels
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit
- Individual air flow for optimal, draft-free air distribution

Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
4-way Cassette							
MMU-AP0094HP-E	2,80	3,20	1	256 × 840 × 840	800	30 / 27	1.150,-
MMU-AP0124HP-E	3,60	4,00	1,25	256 × 840 × 840	800	30 / 37	1.190,-
MMU-AP0154HP-E	4,50	5,00	1,7	256 × 840 × 840	930	31 / 27	1.240,-
MMU-AP0184HP-E	5,60	6,30	2	256 × 840 × 840	1050	32 / 27	1.280,-
MMU-AP0244HP-E	7,10	8,00	2,5	256 × 840 × 840	1290	35 / 28	1.340,-
MMU-AP0274HP-E	8,00	9,00	3	256 × 840 × 840	1290	35 / 28	1.410,-
MMU-AP0304HP-E	9,00	10,00	3,2	256 × 840 × 840	1320	38 / 30	1.490,-
MMU-AP0364HP-E	11,20	12,50	4	319 × 840 × 840	1970	43 / 32	1.750,-
MMU-AP0484HP-E	14,00	16,00	5	319 × 840 × 840	2130	46 / 33	1.920,-
MMU-AP0564HP-E	16,00	18,00	6	319 × 840 × 840	2130	46 / 33	2.000,-
Panels							
RBC-U31PGP(W)-E	for wide airflow			30 × 950 × 950	–	–	280,-
RBC-U31PGSP(W)-E	for direct airflow			30 × 950 × 950	–	–	300,-

❄️ Cooling 🔥 Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type	Single price excl. VAT (EUR)
TCB-FF101URE2 Spigot for fresh air intake Ø 100 mm (for 60×60 4-way cassette and 4-way cassette - Standard)	55,-

VRF 2-way Cassette



- Small sizes available (from 2,2 kW upwards)
- Very quiet operation
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)

Type	Capacity (kW)*		Code (HP)	Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥					
2-way Cassette							
MMU-AP0072WH	2,20	2,50	0,8	295 × 815 × 570	558	34 / 30	1.300,-
MMU-AP0092WH	2,80	3,20	1,0	295 × 815 × 570	558	34 / 30	1.350,-
MMU-AP0122WH	3,60	4,00	1,25	295 × 815 × 570	558	34 / 30	1.380,-
MMU-AP0152WH	4,50	5,00	1,7	295 × 815 × 570	600	35 / 30	1.420,-
MMU-AP0182WH	5,60	6,30	2,0	345 × 1180 × 570	900	35 / 30	1.460,-
MMU-AP0242WH	7,10	8,00	2,5	345 × 1180 × 570	1050	38 / 33	1.550,-
MMU-AP0272WH	8,00	9,00	3,0	345 × 1180 × 570	1050	38 / 33	1.600,-
MMU-AP0302WH	9,00	10,00	3,2	345 × 1180 × 570	1260	40 / 34	1.730,-
MMU-AP0362WH	11,20	12,50	4,0	345 × 1600 × 570	1740	42 / 36	2.070,-
MMU-AP0482WH	14,00	16,00	5,0	345 × 1600 × 570	1800	43 / 37	2.250,-
MMU-AP0562WH	16,00	18,00	6,0	345 × 1600 × 570	2040	46 / 39	2.490,-
Panels							
RBC-UW283PG(W)-E	MMU-AP0072 - 0152WH			20 × 1050 × 680	-	-	390,-
RBC-UW803PG(W)-E	MMU-AP0182 - 0302WH			20 × 1415 × 680	-	-	520,-
RBC-UW1403PG(W)-E	MMU-AP0362 - 0562WH			20 × 1835 × 680	-	-	600,-

❄️ Cooling 🔥 Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF151US-E	Spigot for fresh air intake ø 150 mm	60,-



VRF 1-way Cassette

- Small sizes available (from 2,2 kW upwards)
- Very quiet operation
- Drain pump with 850 mm lifting height included (measured from bottom edge of unit)
- Fresh air intake possible with external fan to 15% of the nominal amount of air in the indoor unit



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
1-way Cassette							
MMU-AP0074YH-E	2,20	2,50	0,8	235 × 850 × 400	540	42 / 34	1.480,-
MMU-AP0094YH-E	2,80	3,20	1	235 × 850 × 400	540	42 / 34	1.500,-
MMU-AP0124YH-E	3,60	4,00	1,25	235 × 850 × 400	540	42 / 34	1.530,-
MMU-AP0154SH-E	4,50	5,00	1,7	200 × 1000 × 710	750	37 / 32	1.420,-
MMU-AP0184SH-E	5,60	6,30	2	200 × 1000 × 710	780	38 / 34	1.580,-
MMU-AP0244SH-E	7,10	8,00	2,5	200 × 1000 × 710	1140	45 / 37	1.680,-
Panels							
RBC-UY136PG	MMU-AP0074/0094/0124YH-E			18 × 1050 × 470	–	–	380,-
RBC-US21PGE	MMU-AP0154/0184/0244SH-E			20 × 1230 × 800	–	–	440,-

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

Accessories

Type		Single price excl. VAT (EUR)
TCB-FF101URE2	Spigot for fresh air intake ø 100 mm	55,-

VRF Chassis

- Perfect for offices and other commercial buildings
- Through complete shoring no influence on the interior



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
	❄️	🔥	Code (HP)				
Chassis							
MML-AP0074BH-E	2,20	2,50	0,8	600 × 745 × 220	460	36 / 32	1.430,-
MML-AP0094BH-E	2,80	3,20	1	600 × 745 × 220	460	36 / 32	1.450,-
MML-AP0124BH-E	3,60	4,00	1,25	600 × 745 × 220	460	36 / 32	1.500,-
MML-AP0154BH-E	4,50	5,00	1,7	600 × 1045 × 220	740	36 / 32	1.530,-
MML-AP0184BH-E	5,60	6,30	2	600 × 1045 × 220	740	36 / 32	1.550,-
MML-AP0244BH-E	7,10	8,00	2,5	600 × 1045 × 220	950	42 / 33	1.580,-



❄️ Cooling 🔥 Heating

* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Console

- Bi-flow console with air outlet at the top and/or at the bottom
- Large centrifugal fan for extra quiet operation
- Infrared remote control included







Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
			Code (HP)				
Console							
MML-AP0074NH-E	2,20	2,50	0,8	600 × 700 × 220	510	38 / 26	1.120,-
MML-AP0094NH-E	2,80	3,20	1	600 × 700 × 220	510	38 / 26	1.180,-
MML-AP0124NH-E	3,60	4,00	1,25	600 × 700 × 220	552	40 / 29	1.250,-
MML-AP0154NH-E	4,50	5,00	1,7	600 × 700 × 220	624	43 / 31	1.340,-
MML-AP0184NH-E	5,60	6,30	2	600 × 700 × 220	726	47 / 34	1.390,-

VRF Floor

- Easy installation because of flexible connection variations
- Air outlet from the front or the rear



Type	Capacity (kW)*			Dimensions (H × W × D) (mm)	Air flow volume (max.) (m³/h)	Sound pressure** [dB(A)]	Single price excl. VAT (EUR)
			Code (HP)				
Floor							
MMF-AP0156H-E	4,50	5,00	1,7	1750 × 600 × 210	900	46 / 37	2.110,-
MMF-AP0186H-E	5,60	6,30	2	1750 × 600 × 210	900	46 / 37	2.140,-
MMF-AP0246H-E	7,10	8,00	2,5	1750 × 600 × 210	1200	49 / 39	2.230,-
MMF-AP0276H-E	8,00	9,00	3	1750 × 600 × 210	1200	49 / 39	2.240,-
MMF-AP0366H-E	11,20	12,50	4	1750 × 600 × 390	1920	51 / 41	2.400,-
MMF-AP0486H-E	14,00	16,00	5	1750 × 600 × 390	2160	54 / 44	2.430,-
MMF-AP0566H-E	16,00	18,00	6	1750 × 600 × 390	2160	54 / 44	2.450,-

 Cooling  Heating Not in stock - delivery time for floor units on request

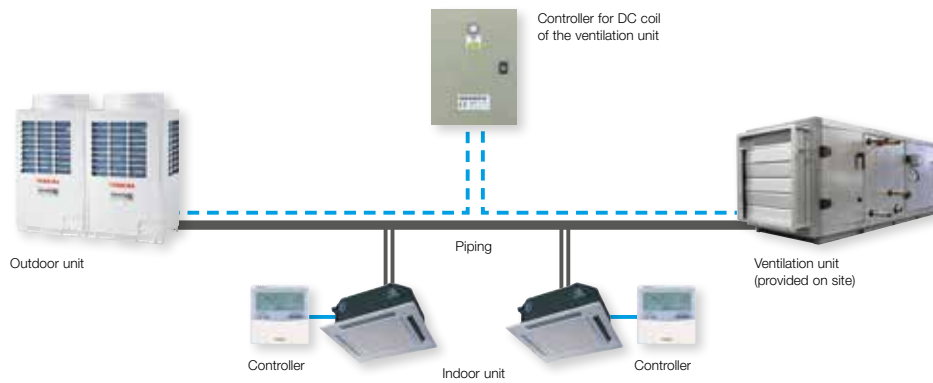
* Standard cable lengths 5 m main lines, branch lines 2,5 m, 0 m height difference ** Specification with the highest / lowest fan speed

VRF Valve kit for exhaust temperature control



- DX kit consisting of electronic control box, PC board, transformer, wired remote control, PMV motor, all necessary sensors and installation manual
- Used in conjunction with ventilation systems and air curtains
- Wired remote control required for startup

Type		Single price excl. VAT (EUR)
MM-DXC010	Control unit (Master)	1.000,-
MM-DXC012	Control unit (Follower)	770,-
MM-DXV080	Valve kit up to 8 kW	460,-
MM-DXV140	Valve kit up to 14 kW	460,-
MM-DXV280	Valve kit up to 28 kW	460,-

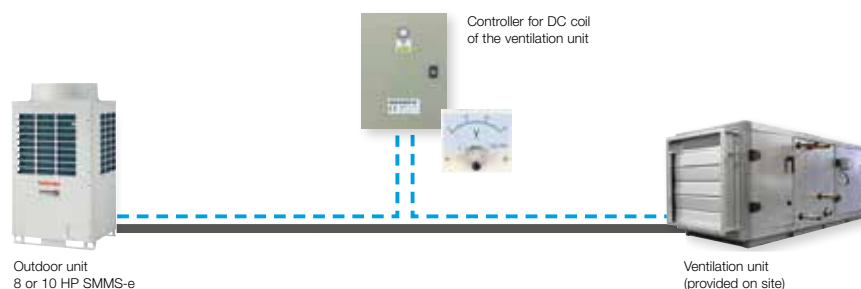


VRF Valve kit for power control 0-10V



- DX kit consisting of electronic control box, PC board, transformer, PMV motor, all necessary sensors and installation manual
- Used in conjunction with ventilation systems and air curtains
- Wired remote control required for startup

Type		Single price excl. VAT (EUR)
RBC-DXC031	Control unit for power control through 0-10 V signal	1.150,-
MM-DXV141	Valve kit for 11,2 kW, 14,0 kW and 16,0 kW	290,-
MM-DXV281	Valve kit for 22,4 kW and 28,0 kW	290,-



Air handling units with recuperator

- Ventilation with heat recovery
- High-efficient fresh air supply
- Up to 75 % of the energy can be recovered
- TCC-link-connection for connection to BMS systems

Type	Capacity DX (WRG) ❄️	Capacity DX (WRG) 🔥	Air flow volume (m³/h) hoch	Dimensions (H × W × D) (mm)	Pipe connection Ø (mm)	Single price excl. VAT (EUR)
Air handling unit with recuperator						
VN-M150HE	---	---	150	290 × 900 × 900	100	1.680,-
VN-M250HE	---	---	250	290 × 900 × 900	150	1.720,-
VN-M350HE	---	---	350	290 × 900 × 900	150	1.840,-
VN-M500HE	---	---	500	350 × 1140 × 1140	200	2.350,-
VN-M650HE	---	---	650	350 × 1140 × 1140	200	2.800,-
VN-M800HE	---	---	800	400 × 1189 × 1189	250	3.250,-
VN-M1000HE	---	---	1000	400 × 1189 × 1189	250	3.700,-
VN-M1500HE	---	---	1500	810 × 1189 × 1189	250	6.150,-
VN-M2000HE	---	---	2000	810 × 1189 × 1189	250	7.100,-
Air handling unit with recuperator and DX coil						
MMD-VN502HEXE *	4,10 (1,30)	5,53 (2,33)	500	430 × 1140 × 1690	200	4.250,-
MMD-VN802HEXE *	6,56 (2,06)	8,61 (3,61)	800	430 × 1189 × 1739	250	5.100,-
MMD-VN1002HEXE *	8,25 (2,32)	10,92 (4,32)	950	430 × 1189 × 1739	250	5.950,-
Air handling unit with recuperator, DX coil and humidifier						
MMD-VNK502HEXE *	4,10 (1,30)	5,53 (2,33)	500	430 × 1140 × 1690	200	5.650,-
MMD-VNK802HEXE *	6,56 (2,06)	8,61 (3,61)	800	430 × 1189 × 1739	250	7.600,-
MMD-VNK1002HEXE *	8,25 (2,32)	10,92 (4,32)	350	430 × 1189 × 1739	250	8.800,-

* only in conjunction with SMMS-i /-e outdoor units

Accessories

Type		Single price excl. VAT (EUR)
TCB-DP31HEXE	Drain pump for all ventilation systems of series „-HEXE“	650,-
NRC-01HE	Remote control	110,-
NRB-1HE	ON/OFF, bypass, Low/High adapter for Air handling unit with recuperator	110,-

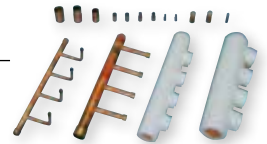
VRF Hot Water Module

- Highly efficient space heating and domestic hot water
- Water outlet temperature range of +25 - +50°C
- Electric backup heater support is provided externally
- Very wide operating range for heating water and domestic hot water
- Space-saving design
- Leaving water temperature control
- Connectable to all SMMS-i/-e units



Model	Heating capacity [kW]	Water flow Standard / Min. [l/min]	Dimensions (H × W × D) (mm)	Water temperature	Single price excl. VAT (EUR)
MMW-AP0271LQ-E	8,00	22,90 / 19,50	580 x 400 x 250	25-50°C	3.100,-
MMW-AP0561LQ-E	16,00	45,80 / 38,90	580 x 400 x 250	25-50°C	3.200,-

SMMS-i / SMMS-e / MiNi-SMMS-i / MiNi-SMMS-e (2-pipe-system): Branching Joints and Headers



Type	Description	Connected indoor unit capacity		Single price excl. VAT (EUR)
		(kW)	(HP)	
Y-shape (two Y-shapes in each packing unit)				
RBM-BY55E	Y-shape	< 18 kW	< 6,4 kW	90,-
RBM-BY105E		18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	100,-
RBM-BY205E		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	180,-
RBM-BY305E		71 kW < Capacity	25,2 < Capacity	225,-
4/8-Branch Header (two 4/8-branch headers in each packing unit)				
RBM-HY1043E	4-Branch Header	18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	210,-
RBM-HY2043E		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	230,-
RBM-HY1083E	8-Branch Header	18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	340,-
RBM-HY2083E		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	400,-
T-Joints (two T-joints in each packing unit)				
RBM-BT14E	T-shaped connector; in conjunction with 8/10/12 HP units			290,-
RBM-BT24E	T-shaped connector; in conjunction with 14/16 HP units			330,-

SHRM-i (3-pipe-system): Branching Joints and Headers











Type	Description	Connected indoor unit capacity		Single price excl. VAT (EUR)
		(kW)	(HP)	
Y-shape (three Y-shapes in each packing unit)				
RBM-BY55FE	Y-shape	< 18 kW	< 6,4 kW	130,-
RBM-BY105FE		18 kW < Capacity < 37 kW	6,4 < Capacity < 14,2	150,-
RBM-BY205FE		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	210,-
RBM-BY305FE		71 kW < Capacity	25,2 < Capacity	290,-
4/8-Branch Header (three 4/8-branch headers in each packing unit)				
RBM-HY1043FE	4-Branch Header	< 37 kW	< 14,2	400,-
RBM-HY2043FE		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	430,-
RBM-HY1083FE	8-Branch Header	< 37 kW	< 14,2	540,-
RBM-HY2083FE		37 kW < Capacity < 71 kW	14,2 < Capacity < 25,2	580,-
T-Joints (three T-joints in each packing unit)				
RBM-BT14FE	T-shaped connector (till 26 HP)			290,-
RBM-BT24FE	T-shaped connector (from 26 HP)			340,-





COMMERCIAL



LOCAL REMOTE CONTROLS

Type / Description	Single price excl. VAT (EUR)	
	<p>Easy remote control: RBC-AS41E LCD display, temperature setting, mode selector switch, fan control, louver control, room temperature sensor, up to 8 units controllable simultaneously, fault diagnosis system, filter warning light, DN-codes cannot be moved</p>	105,-
	<p>Standard remote control: RBC-AMT32E LCD display, temperature setting, mode selector switch, fan speed control, 168 hours on / off timer, louver control, room temperature sensor, up to 8 units controllable simultaneously, fault diagnosis system, filter warning light, DN-codes adjustable</p>	95,-
	<p>Remote control with integrated weekly timer: RBC-AMS41E Same functions as remote control RBC-AMT32E but with an integrated weekly timer, in doing so 8 occasions per day can be programmed, DN-codes adjustable</p>	110,-
	<p>Comfort remote control: RBC-AMS51E-ES Wired remote control with weekly timer and multilingual menu navigation (D, E), modern design, backlight, hot keys for easy operation, room temperature sensor integrated, DN-codes adjustable</p>	145,-
	<p>Infrared remote control + receiver kit for the 4-way cassette (DI/S-DI series 4 or SMMS-i series 4): RBC-AX32U(W)-E Like RBC-AMT32E but wireless, not compatible with weekly timer; receiver kit can be installed easily on the unit; address setting as well as the setting for the automatic restart function are not possible via the infrared remote control</p>	230,-
	<p>Infrared remote control and receiver for 2-way cassette: RBC-AX32UW(W)-E Functions such as RBC-AMT32E but wireless, not compatible with weekly timer; receiver kit can be installed easily on the unit; address setting as well as the setting for the automatic restart function not possible via the infrared remote control</p>	260,-
	<p>Infrared remote control + receiver kit for ceiling types and 1-way cassette (series SH): RBC-AX33CE Like RBC-AMT32E but wireless, not compatible with weekly timer; receiver kit can be installed easily on the unit; address setting as well as the setting for the automatic restart function not possible via the infrared remote control</p>	240,-
	<p>Infrared remote control with external receiver kit for 60x60 4-way cassette: TCB-AX32E2 Infrared remote control kit suitable for all DI/S-DI and VRF indoor units; installation on the wall; address setting as well as the setting for the automatic restart function not possible via the infrared remote control</p>	320,-

CENTRAL REMOTE CONTROLS

	Type / Description	Single price excl. VAT (EUR)
	Compliant Manager: BMS-CM1280TLE Replaces central remote control, individual control of up to 128 units (2 x 64 indoor units TCC-Link Network connections), Advanced Zone Configuration available (up to 64 programmable zones), 7-day timer can be connected to weekly timer functions	1.900,-
	7-day-timer: TCB-EXS21TLE LCD display, 3 different on-/off-time settings (programs) per day programmable, each week-day (Mo-Su) can be programmed individually with these 3 programs, holiday function, combination with TCB-SC642TLE2 (central remote control) or alone directly to the TCC-link bus	390,-
	On-/Off control for 16 indoor units: TCB-CC163TLE2 16 indoor units can be switched on or off individually or simultaneously within a VRF system	1.050,-
	Smart Manager with data analysis and web interface: BMS-SM1280ETLE Central remote control for up to 128 indoor units; computer control via network, 7-day-timer and energy accounting software (for electrical bill calculation the BMS-IFWH5E energy monitoring relay interface + kWh-meter + computer with excel is necessary); connected directly to TCC-link bus of the outdoor unit, data analysis, storing the data on a storage medium, fault propagation with e-mail	2.350,-
	Web based controller: BMS-WB2561PWE Internet server for up to 256 indoor units Connection to TCC-link bus of the outdoor unit via one or several TCS-net relay interface BMS-IFLSV4E	5.400,-
	Web based controller: BMS-WB01GTE Internet server for up to 2048 indoor units Connection of up to 8 BMS-WB2561PWE web based controller via Ethernet	5.400,-
	Touch Screen Controller with energy billing: BMS-CT5121E 12,1 TFT multi-touch screen with a resolution of 1024 x 768 pixels; incl. energy billing option means «Energy Monitoring Interface» <ul style="list-style-type: none"> ■ Individual control of up to 512 indoor units ■ Web connection ■ Presentation of floor plans ■ Grafik function ■ Error forwarding via email ■ Display of unit status, operating mode, room temperature, outdoor temperature, power demand ■ Daily, weekly and monthly time switch programmable ■ Temperature setting and Manual Mode limitations ■ Individual and group control ■ Energy accounting software (for electrical bill calculation the BMS-IFWH5E energy monitoring relay interface + kWh-meter + computer with excel is necessary) ■ Energy saving options of indoor units and the outdoor unit ■ Failure diagnostics system 	5.500,-

BUILDING MANAGEMENT SYSTEMS

Type / Description	Single price excl. VAT (EUR)
TCS Net relay interface: BMS-IFLSV4E Interface between touch screen controller or BACnet server and TCC-link. For max. 64 indoor units or max. 16 systems	960,-
BACnet server: BMS-LSV9E Adapter for connection of TCC-link network to a BACnet-system	5.100,-
BACnet server software: BMS-STBN10E Software for BMS-LSV9E	2.600,-
Small BACnet interface: BMS-IFBN640TLE Relay I / F (BMS-IFLSV4E) is not necessary; connection up to 64 indoor units; mounting on DIN rail possible; BTL certificate	1.650,-
LonWorks Gateway for TCC-link: TCB-IFLN642TLE for controlling of up to 64 indoor units	1.600,-
Software „Interactive Intelligence II“: RBC-WP1-PE for controlling of VRF units via computer (optional LonWorks interface TCB-IFLN642TLE necessary)	6.900,-
ModBus interface: TCB-IFMB641TLE Adapter for connecting TCC-link network to a modbus system for controlling of up to 64 indoor units	2.000,-
Analogue interface: TCB-IFCB640TLE for controlling of up to 64 indoor units	2.100,-
General purpose interface: TCB-IFCG1TLE	2.100,-
Digital input/output relay interface: BMS-IFDD03E 8 inputs / 4 outputs	1.200,-
Energy monitoring relay interface: BMS-IFWH5E Energy billing module with daily and monthly billing option; kWh-meter must be installed on site (max. 10 pulse per kWh) / for max. 8 kWh-meter	1.200,-
COOLMASTER - unit: COOLMASTER.net Integration of HVAC systems with home automation & BMS option; Touch Screen display for system management & control	2.660,-
COOLMASTER - knx option: COOLMASTER.knx Extension board for direct KNX connection	590,-
COOLMASTER - License for 128 indoor units: COOLMASTER.licence for the control of up to 128 indoor units	590,-
IntesisBox: TO-RC-KNX-1i KNX connection for one indoor unit (TCC-Link)	380,-
IntesisBox: TO-AC-KNX-16 KNX connection for 16 indoor units (TCC-Link)	2.580,-
IntesisBox: TO-AC-KNX-64 KNX connection for 64 indoor units (TCC-Link)	4.950,-

Control options

Type / Description	Single price excl. VAT (EUR)
for indoor units	
Analogue interface: RBC-FDP3-PE Interface to control the temperature, fan speed, mode, louver, on/off and lock of indoor unit through 0 – 10V signal	550,-
Fault, indication and remote on/off module: TCB-IFCB-4E2 Floating contacts for operation and fault indication; Connections for external on/off	325,-
Window switch & on/off: TCB-IFCB5-PE Potential-free contact for on/off and window switch control	50,-
TCB-PX100-PE Chassis for TCB-IFCB5-PE	35,-
Wireless temperature sensor: TCB-TC41LE Chassis with external room temperature sensor	95,-
TCC-Link adapter: TCB-PCNT30TLE2 Adapter of DI & S-DI TCC-link to VRF TCC-link	115,-
TCB-PX30MUE Terminal box for TCC-link adapter TCB-PCNT30TLE2	95,-
Redundancy box: TCB-ACREDU1-E Fault, operational and switch box, wired ready for connection, integrated temperature sensor	1.550,-
Leak Detector: RBC-RD3-PE	660,-
Leak Detection system:	
Leak Detection controller: TCB-LD1	340,-
Leak Detection sensor: TCB-LDS1 plastic	730,-
Leak Detection sensor: TCB-LDS2 steel	750,-
Leak Detection isolation valve: TCB-AW17861 12,7 mm	800,-
Leak Detection isolation valve: TCB-AW17862 15,9 mm	800,-
Leak Detection chassis: TCB-LDSBB1 plastic for Rigips	12,-
Leak Detection chassis: TCB-LDSBB2 metall for wall	12,-
for outdoor units	
Application control kit for DI outdoor units series 4 + SDI outdoor units sizes 5: TCB-PCOS1E2 Inputs for reduction of capacity and sound, output for compressor „on“	240,-
CDU control for Super DI outdoor units series 4: TCB-KBOS2E (Sizes 8, 11, 14) and DI Big, inputs for reduction of capacity and sound, output for compressor „on“	40,-
Fault indication module*: TCB-PCIN4E Operating and fault message output	125,-
Antifreeze; remote on/off module*: TCB-PCMO4E Inputs for ext. on/off, priority cooling/heating, sound reduction and outdoor unit fan „on“	90,-
Module for energy limitation/load control*: TCB-PCDM4E Inputs for ext. on/off and reduction of capacity (6 stages)	115,-
TCB-IFGSM1E: GSM control interface	670,-

* for VRF outdoor units

Special accessories RAV / VRF

Type	Description	Packaging unit	Price per unit excl. VAT (EUR)
Connector with cable: Connection cable (50 cm) plus connector for the control of equipment on site			
TCB-KBCN32VEE	Connector with cable for CN32	1 pcs.	4,-
CN60	Connector with cable for CN60	1 pcs.	8,-
TCB-KBCN61HAE	Connector with cable for CN61	1 pcs.	8,-
TCB-KBCN700AE	Connector with cable for CN70	1 pcs.	4,-
TCB-KBCN73DEE	Connector with cable for CN73	1 pcs.	4,-
TCB-KBCN80EXE	Connector with cable for CN80	1 pcs.	4,-

TOSHIBA SERVICE PROGRAMS

- Computer software for the service technique
- Display and record of data of the units: unit on/off, cooling or heating operation, PMV open level, temperature data, pressure level, compressor on/off, Check code consisting of: adapter box, cable for the unit, cable for the computer and CD-ROM

Type	Additional information	Price per unit excl. VAT (EUR)
TCB-DK01SS-E	Dyna Doctor Hardware	1.500,-

Software for the Dyna Doc is available free for download:
www.air-cond.com

- Partner Login
- Downloads
- Software
- Dyna Doctor



- **AirPatrol** and **Intesis Home** are modern solutions to manage remotely your climate system using a simple smartphone (for IOS and Android), **tablet or PC** via Internet.
- An **external module** which is either infrared-controlled or wired provides the connection between the air conditioning unit and the server.
- The control is carried out via smartphone (for IOS and Android), tablet or computer using a website, which is working in the background and visible only through the app (for IOS and Android).

Model: AP-IR-WIFI-1

Model name		Single price excl. VAT (EUR)
AP-IR-WIFI-1	Control module for remote control via smartphone (for IOS and Android), tablet and PC Compatible with all indoor units that are equipped with a standard infrared remote control	275,-

Model: TO-RC-WIFI-1

Model name		Single price excl. VAT (EUR)
TO-RC-WIFI-1	Control module for remote control of RAV and VRF indoor units via smartphone (for IOS and Android), tablet and PC Connection via A / B bus	390,-



ESTIA Series 4

- Extremely high levels of efficiency - COP up to 4,88
- Piping length up to 30 m
- A-class water pump (EEL \leq 0,23)
- Leaving water temperature: Heating: 20 - 55°C, cooling: 7 - 30°C
- 2 temperature zones possible
- Integrated remote control



Outdoor unit

Type	Capacity (kW)		Power consumption (kW)		Efficiency		Nominal water flow rate (l/min)	Dimensions (H x W x D) (mm)	Price (EUR) excl. VAT
	☀	❄	☀	❄	☀	❄			
1-phase									
HWS-804H-E(1)	8,00	6,00	1,79	1,94	4,46	3,10	22,90	890 x 900 x 320	2.520,-
HWS-1104H-E(1)	11,20	10,00	2,30	3,26	4,88	3,07	32,10	1340 x 900 x 320	3.000,-
HWS-1404H-E(1)	14,00	11,00	3,11	3,81	4,50	2,89	40,10	1340 x 900 x 320	3.300,-
3-phase									
HWS-1104H8-E(1)	11,20	10,00	2,34	3,26	4,80	3,07	32,10	1340 x 900 x 320	3.220,-
HWS-1404H8-E(1)	14,00	11,00	3,16	3,81	4,44	2,89	40,10	1340 x 900 x 320	3.540,-
HWS-1604H8-E(1)	16,00	13,00	3,72	4,80	4,30	2,71	45,80	1340 x 900 x 320	4.050,-

☀ Heating ❄ Cooling

Hydro Box

Type	Compatibility with outdoor units	Electric backup heater	Minimum water flow rate (l/min)	Dimensions (H x W x D) (mm)	Price (EUR) excl. VAT
HWS-804XWHM3-E(1)	HWS-804H-E	230 V; 3 kW	13,0	925 x 525 x 355	3.600,-
HWS-804XWHT6-E(1)		2 x 230 V; 6 kW	13,0	925 x 525 x 355	3.650,-
HWS-804XWHT9-E(1)		3 x 230 V; 9 kW	13,0	925 x 525 x 355	3.750,-
HWS-1404XWHM3-E(1)	HWS-1104, 1404H-E HWS-1104, 1404, 1604H8-E	230 V; 3 kW	17,5	925 x 525 x 355	4.350,-
HWS-1404XWHT6-E(1)		2 x 230 V; 6 kW	17,5	925 x 525 x 355	4.450,-
HWS-1404XWHT9-E(1)		3 x 230 V; 9 kW	17,5	925 x 525 x 355	4.550,-

ESTIA HI POWER

PERFECT FOR RENOVATION WITHOUT CHANGING RADIATORS!

- EHPA certified
- Leaving water temperature up to 60 °C
- Operation range down to outdoor temperatures of -25 °C
- Full rated capacity down to -15 °C
- High flexibility
- Top efficiency & COP
- 2-zone temperature control



Outdoor unit

Type	Capacity (kW)		Power consumption (kW)		Efficiency		Nominal water flow rate (l/min)	Dimensions (H x W x D) (mm)	Price (EUR) excl. VAT
	☀	❄	☀	❄	☀	❄			
1-phase									
HWS-P804HR-E(1)	8,00	6,00	1,68	1,64	4,76	3,66	22,90	1340 x 900 x 320	3.400,-
HWS-P1104HR-E(1)	11,20	10,00	2,30	3,33	4,88	3,00	32,10	1340 x 900 x 320	3.700,-

☀ Heating ❄ Cooling

Hydro Box

Type	Compatibility with outdoor units	Electric backup heater	Minimal water flow rate (l/min)	Dimensions (H x W x D) (mm)	Price (EUR) excl. VAT
HWS-P804XWHM3-E(1)		230 V; 3 kW	13,0	925 x 525 x 355	3.600,-
HWS-P804XWHT6-E(1)	HWS-P804HR-E	2 x 230 V; 6 kW	13,0	925 x 525 x 355	3.650,-
HWS-P804XWHT9-E(1)		3 x 230 V; 9 kW	13,0	925 x 525 x 355	3.750,-
HWS-P1104XWHM3-E(1)		230 V; 3 kW	17,5	925 x 525 x 355	4.350,-
HWS-P1104XWHT6-E(1)	HWS-P1104HR-E	2 x 230 V; 6 kW	17,5	925 x 525 x 355	4.450,-
HWS-P1104XWHT9-E(1)		3 x 230 V; 9 kW	17,5	925 x 525 x 355	4.550,-



Estia Hot water tank



- Stainless steel – isolated
- Electric backup heater with 2,75 kW
(for legionella control and water heating > 43 °C)
- Temperature sensor included
- Safety thermo element

Type	Content liter	Max. water temperature	Electric heater (kW)	Current	Height (mm)	Diameter (mm)	Material	Price (EUR) excl. VAT
HWS-1501CSHM3-E	150	75	2,75		1.090	550		1.290,-
HWS-2101CSHM3-E	210	75	2,75	1-phase 230 V	1.474	550	Stainless steel	1.520,-
HWS-3001CSHM3-E	300	75	2,75		2.040	550		1.790,-

Estia Accessories

Type	Description	Price (EUR) excl. VAT
TCB-PCM03E	Interface for external inputs (voltage free contacts): <ul style="list-style-type: none"> ■ Input for heating requirement (room thermostat) ■ Input for cooling requirement (room thermostat) 	100,-
	Alternatively, the two inputs can be used as follows: <ul style="list-style-type: none"> ■ Input for external emergency stop switch-off ■ Input for hot water demand to the tank 	
TCB-PCIN3E	Interface for external inputs (voltage free contacts): <ul style="list-style-type: none"> ■ Output for activating external heating system ■ Output for alarm signals 	135,-
	Alternatively, the two outputs can be used as follows: <ul style="list-style-type: none"> ■ Defrost signal output ■ Operation signal output 	
Sensor 95612037	Temperature sensor for on-site hot water tank	50,-
VK320MOAIRC001*	Replacement Flow Switch	65,-
HWS-AMS11E	Remote control	170,-

* Spare part, no discount

Measuring for Toshiba air-to-water heat pump

- Heating:** Outdoor temperature 7 °C DB, 6 °C WB, 35 °C Leaving water temperature, $\Delta T = 5$ °C
- Cooling:** Outdoor temperature 35 °C DB, 18 °C Leaving water temperature, $\Delta T = 5$ °C
- Refrigerant pipes:** 7,5 m length and no height difference between indoor and outdoor unit
- Sound pressure level:** measured in 1 m distance to outdoor unit according to „JIS“ standard



ESTIA

ADDITIONAL INFORMATION

Type	Capacity (kW)	Length of pipes (m)			Dimensions of pipes (inches)		Refrigerant weight (kg)	Additional charge (g/m)
	❄️ / 🔥	min./max.	Height difference	pre-charged	Gas side	Liquid side		
RAS Inverter								
RAS-107SAV-E6	2,50 / 3,20	2/15	8	15	3/8	1/4	0,63	-
RAS-137SAV-E6	3,15 / 3,20	2/15	8	15	3/8	1/4	0,63	-
RAS-167SAV-E5	4,40 / 5,20	2/20	10	15	1/2	1/4	1,05	20
RAS-10BAV-E	2,50 / 3,20	2/15	12	15	3/8	1/4	0,43	-
RAS-10BAVG-E	2,50 / 3,20	2/15	12	15	3/8	1/4	0,43	-
RAS-13BAV-E	3,10 / 3,70	2/15	12	15	3/8	1/4	0,43	-
RAS-13BAVG-E	3,10 / 3,60	2/15	12	15	3/8	1/4	0,43	-
RAS-16BAV-E	4,40 / 5,20	2/20	10	15	3/8	1/4	0,80	20
RAS-16BAVG-E	4,60 / 5,40	2/20	10	15	3/8	1/4	0,80	20
RAS-10N3AV2-E1	2,50 / 3,20	2/20	10	15	3/8	1/4	0,80	20
RAS-13N3AV2-E1	3,50 / 4,20	2/20	10	15	3/8	1/4	0,80	20
RAS-16N3AV2-E	4,50 / 5,50	2/20	10	15	1/2	1/4	1,10	20
RAS-18N3AV2-E	5,00 / 5,80	2/20	10	15	1/2	1/4	1,40	20
RAS-22N3AV2-E	6,00 / 7,00	2/20	10	15	1/2	1/4	1,40	20
RAS-10G2AVP-E	2,50 / 3,20	2/25	10	15	3/8	1/4	1,05	20
RAS-13G2AVP-E	3,50 / 4,00	2/25	10	15	3/8	1/4	1,05	20
RAS-16G2AVP-E	4,50 / 5,50	2/25	10	15	1/2	1/4	1,05	20
RAS Multi Inverter								
RAS-2M14S3AV-E	4,00 / 4,40	3/30	10	30	3/8	1/4	1,32	20
RAS-2M18S3AV-E	5,20 / 5,60	3/30	10	30	3/8	1/4	1,32	20
RAS-3M18S3AV-E	5,20 / 6,80	3/50	10	50	3/8 * - 1/2 **	1/4	1,50	20
RAS-3M26S3AV-E	7,50 / 9,00	3/70	15	40	3/8 * - 1/2 **	1/4	2,40	20
RAS-4M27S3AV-E	8,00 / 9,00	3/70	15	40	3/8 * - 1/2 **	1/4	2,40	20
RAS-5M34S3AV-E	10,00 / 12,00	3/80	15	40	3/8 * - 1/2 **	1/4	2,99	20
Digital Inverter								
RAV-SM304ATP-E	2,50 / 3,40	2/20	10	15	3/8	1/4	0,80	20
RAV-SM404ATP-E	3,60 / 4,00	2/20	10	15	1/2	1/4	1,40	20
RAV-SM564ATP-E	5,00 / 5,30	5/30	30	20	1/2	1/4	1,10	40
RAV-SM804ATP-E	6,70 / 7,70	5/30	30	20	5/8	3/8	1,70	40
RAV-SM1104ATP-E	10,00 / 11,20	5/50	30	30	5/8	3/8	2,80	40
RAV-SM1404ATP-E	12,10 / 12,80	5/50	30	30	5/8	3/8	2,80	40
RAV-SM1603AT-E	14,00 / 16,00	5/50	30	30	5/8	3/8	3,10	40
DI BIG								
RAV-SM2244AT8-E	20,00 / 22,40	7,5/70	30	30	1 1/8	1/2	5,90	40
RAV-SM2804AT8-E	23,00 / 27,00	7,5/70	30	30	1 1/8	1/2	5,90	40
S-DI								
RAV-SP564ATP-E	5,00 / 5,60	5/50	30	20	1/2	1/4	1,40	40
RAV-SP804ATP-E	7,10 / 8,00	5/50	30	30	5/8	3/8	2,10	40
RAV-SP1104AT-E	10,00 / 11,20	5/75	30	30	5/8	3/8	3,10	40
RAV-SP1404AT-E	12,50 / 14,00	5/75	30	30	5/8	3/8	3,10	40
S-DI 3-phase								
RAV-SP1104AT8-E	10,00 / 11,20	3/75	30	30	5/8	3/8	3,10	40
RAV-SP1404AT8-E	12,50 / 14,00	3/75	30	30	5/8	3/8	3,10	40
RAV-SP1604AT8-E	14,00 / 16,00	3/75	30	30	5/8	3/8	3,10	40

❄️ Cooling

🔥 Heating

* with connection of RAS-M / B10 or RAS-M / B13 indoor units type

** with connection of RAS-M / B16 or B18 RAS / B22 indoor unit type

ADDITIONAL INFORMATION

Type	Capacity (kW)	Power supply		Electronical wire indoor / outdoor (mm ²)	Remote control IR / (mm ²)
	❄️ / 🔥	Power supply	Fuse (tr.) (V / A)		
RAS Inverter					
RAS-107SAV-E6	2,50 / 3,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-137SAV-E6	3,15 / 3,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-167SAV-E5	4,40 / 5,20	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-10BAV-E	2,50 / 3,20	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-10BAVG-E	2,50 / 3,20	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-13BAV-E	3,10 / 3,70	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-13BAVG-E	3,10 / 3,60	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-16BAV-E	4,40 / 5,20	Outdoor or indoor unit	220-240 / 16	4 × 1,5	IR
RAS-16BAVG-E	4,60 / 5,40	Outdoor or indoor unit	220-240 / 16	4 × 1,5	IR
RAS-10N3AV2-E1	2,50 / 3,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-13N3AV2-E1	3,50 / 4,20	Outdoor unit	220-240 / 10	4 × 1,5	IR
RAS-16N3AV2-E	4,50 / 5,50	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-18N3AV2-E	5,00 / 5,80	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-22N3AV2-E	6,00 / 7,00	Outdoor unit	220-240 / 16	4 × 1,5	IR
RAS-10G2AVP-E	2,50 / 3,20	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-13G2AVP-E	3,50 / 4,00	Outdoor or indoor unit	220-240 / 10	4 × 1,5	IR
RAS-16G2AVP-E	4,50 / 5,50	Outdoor or indoor unit	220-240 / 16	4 × 1,5	IR
RAS Multi Inverter					
RAS-2M14S3AV-E	4,00 / 4,40	Outdoor unit	220-240 / 16	je 4 × 1,5	IR
RAS-2M18S3AV-E	5,20 / 5,60	Outdoor unit	220-240 / 16	je 4 × 1,5	IR
RAS-3M18S3AV-E	5,20 / 6,80	Outdoor unit	220-240 / 16	je 4 × 1,5	IR
RAS-3M26S3AV-E	7,50 / 9,00	Outdoor unit	220-240 / 16	je 4 × 1,5	IR
RAS-4M27S3AV-E	8,00 / 9,00	Outdoor unit	220-240 / 20	je 4 × 1,5	IR
RAS-5M34S3AV-E	10,00 / 12,00	Outdoor unit	220-240 / 20	je 4 × 1,5	IR
Digital Inverter					
RAV-SM304ATP-E	2,50 / 3,40	Outdoor unit	220-240 / 16	4 × 1,5	2 x 0,75 / IR
RAV-SM404ATP-E	3,60 / 4,00	Outdoor unit	220-240 / 16	4 × 1,5	2 x 0,75 / IR
RAV-SM564ATP-E	5,00 / 5,30	Outdoor unit	220-240 / 13	4 × 1,5	2 x 0,75 / IR
RAV-SM804ATP-E	6,70 / 7,70	Outdoor unit	220-240 / 16	4 × 1,5	2 x 0,75 / IR
RAV-SM1104ATP-E	10,00 / 11,20	Outdoor unit	220-240 / 20	4 × 1,5	2 x 0,75 / IR
RAV-SM1404ATP-E	12,10 / 12,80	Outdoor unit	220-240 / 25	4 × 1,5	2 x 0,75 / IR
RAV-SM1603AT-E	14,00 / 16,00	Outdoor unit	220-240 / 32	4 × 1,5	2 x 0,75 / IR
DI BIG					
RAV-SM2244AT8-E	20,00 / 22,40	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR
RAV-SM2804AT8-E	23,00 / 27,00	Outdoor unit	380-415 / 3 x 25	4 × 1,5	2 x 0,75 / IR
S-DI					
RAV-SP564ATP-E	5,00 / 5,60	Outdoor unit	220-240 / 13	4 × 1,5	2 x 0,75 / IR
RAV-SP804ATP-E	7,10 / 8,00	Outdoor unit	220-240 / 16	4 × 1,5	2 x 0,75 / IR
RAV-SP1104AT-E	10,00 / 11,20	Outdoor unit	220-240 / 20	4 × 1,5	2 x 0,75 / IR
RAV-SP1404AT-E	12,50 / 14,00	Outdoor unit	220-240 / 20	4 × 1,5	2 x 0,75 / IR
S-DI 3-phase					
RAV-SP1104AT8-E	10,00 / 11,20	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR
RAV-SP1404AT8-E	12,50 / 14,00	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR
RAV-SP1604AT8-E	14,00 / 16,00	Outdoor unit	380-415 / 3 x 20	4 × 1,5	2 x 0,75 / IR

❄️ Cooling

🔥 Heating

PRICE LIST – ADDITIONAL INFORMATION

Information for the AIR CONDITIONING AT LOW OUTSIDE TEMPERATURES

Models	Official outdoor temperature range limits (acc. to TOSHIBA specification)	Low ambient operation	Automatic restart function after power failure
RAS Inverter Single AvAnt			
RAS-107SAV-E6 RAS-137SAV-E6 RAS-167SAV-E5	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -10°C till +46°C ■ Outdoor temperature Heating mode: -15°C till +24°C 	<ul style="list-style-type: none"> ■ Not suitable for cooling mode at low outside-temperatures as the unit will be switched off at an outside temperature of approx. -10°C! (No condenser pressure control) ■ Cooling possible under certain conditions to -10°C 	<p>Included (not activated by the factory)</p> <p>To activate:</p> <ul style="list-style-type: none"> ■ Press the „Reset“ button at the indoor unit for 3 seconds
RAS Inverter Single MIRAI			
RAS-10BAV-E RAS-10BAVG-E RAS-13BAV-E RAS-13BAVG-E RAS-16BAV-E RAS-16BAVG-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -15°C till +46°C ■ Outdoor temperature Heating mode: -15°C till +24°C 	<ul style="list-style-type: none"> ■ Not suitable for cooling mode at low outside-temperatures as the unit will be switched off at an outside temperature of approx. -15°C! (keine Kondensatordruckregelung) ■ Cooling possible under certain conditions to -15°C 	<p>Included (not activated by the factory)</p> <p>To activate:</p> <ul style="list-style-type: none"> ■ Press the „Reset“ button at the indoor unit for 3 seconds
RAS Inverter Single Suzumi Plus or Console			
RAS-10N3AV2-E1 RAS-13N3AV2-E1 RAS-16N3AV2-E RAS-18N3AV2-E RAS-22N3AV2-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -10°C till +46°C ■ Outdoor temperature Heating mode: -15°C till +24°C 	<ul style="list-style-type: none"> ■ Not suitable for cooling mode at low outside-temperatures as the unit will be switched off at an outside temperature of approx. -10°C! ■ Cooling possible until -10°C 	<p>Included (not activated by the factory)</p> <p>To activate:</p> <ul style="list-style-type: none"> ■ Press the „Reset“ button at the indoor unit for 3 seconds
RAS Single Super Daiseikai 8			
RAS-10G2AVP-E RAS-13G2AVP-E RAS-16G2AVP-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -10°C till +46°C ■ Outdoor temperature Heating mode: -15°C till +24°C 	<ul style="list-style-type: none"> ■ Not suitable for cooling mode at low outside-temperatures as the unit will be switched off at an outside temperature of approx. -10°C! ■ Cooling possible until -10°C 	<p>Included (not activated by the factory)</p> <p>To activate:</p> <ul style="list-style-type: none"> ■ Press the „Reset“ button at the indoor unit for 3 seconds

Information for the AIR CONDITIONING AT LOW OUTSIDE TEMPERATURES

Models	Official outdoor temperature range limits (acc. to TOSHIBA specification)	Low ambient operation	Automatic restart function after power failure
RAS Inverter Multi			
RAS-2M14S3AV-E RAS-2M18S3AV-E RAS-3M18S3AV-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -10°C till +46°C ■ Outdoor temperature Heating mode: -20°C till +24°C 		Included (not activated by the factory) To activate: <ul style="list-style-type: none"> ■ Press the „Reset“ button at the indoor unit for 3 seconds
RAS-3M26S3AV-E RAS-4M27S3AV-E RAS-5M34S3AV-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -10°C till +46°C ■ Outdoor temperature Heating mode: -15°C till +24°C 		
Digital Inverter & Super Digital Inverter & DI BIG			
RAV-SM304ATP-E RAV-SM404ATP-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -15°C till +46°C ■ Outdoor temperature Heating mode: -15°C till +24°C 	Perfect for cooling operation at low outdoor temperature, as: <ul style="list-style-type: none"> ■ Low ambient kit is included ■ Oil heater is included ■ Cooling is also possible with an outside temperature below -15 °C and unit doesn't switch off! ■ Take care for wind protection! ■ For the room inside air humidification might be necessary! 	Included (not activated by the factory) ■ To activate: Hi-wall, cassette, duct, ceiling: Change in the DN Code menu of the remote control the value of line 28 from «0» to «1»
RAV-SM564ATP-E RAV-SM804ATP-E RAV-SM1104ATP-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -15°C till +46°C ■ Outdoor temperature Heating mode: -15°C till +15°C 		
RAV-SM1404ATP-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -15°C till +46°C ■ Outdoor temperature Heating mode: -20°C till +15°C 		
RAV-SM1603AT-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -15°C till +43°C ■ Outdoor temperature Heating mode: -15°C till +15°C 		
RAV-SP564ATP-E RAV-SP804ATP-E RAV-SP1104AT-E RAV-SP1404AT-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -15°C till +43°C ■ Outdoor temperature Heating mode: -20°C till +15°C 		
RAV-SM2244AT8-E RAV-SM2804AT8-E	<ul style="list-style-type: none"> ■ Outdoor temperature range Cooling mode: -15°C till +46°C ■ Outdoor temperature Heating mode: -20°C till +15°C 		

Current consumption + protection

Outdoor unit	Current consumption maximum (A)	Current consumption nominal (A) ❄️ / 🔥	Power consumption nominal (kW)	Recommended protection (A)	Supply voltage	*Recommended cable type power supply H07RN-F*G**2	Communication-cable H07RN-F*G**2
RESIDENTIAL							
AvAnt							
RAS-107SAV-E6	8	3,67/3,95	0,800	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-137SAV-E6	8	5,16/4,46	1,065	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-167SAV-E5	10	7,13/6,91	1,530	13	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
MIRAI							
RAS-10BAV-E			0,85	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-10BAVG-E			0,85	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-13BAV-E			1,15	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-13BAVG-E			1,15	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-16BAV-E			1,56	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-16BAVG-E			1,53	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
Suzumi Plus + Console							
RAS-10N3AV2-E1	8,5	2,81/3,43	0,710	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-13N3AV2-E1	9,1	4,57/4,93	1,040	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-16N3AV2-E	11	6,33/6,86	1,458	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-18N3AV2-E	10	6,35/6,98	1,520	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-22N3AV2-E	13,5	9,31/9,56	2,000	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
Super Daiseikai 8							
RAS-10G2AVP-E	11	2,58/3,10	0,580	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-13G2AVP-E	11	4,03/3,84	0,800	10	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-16G2AVP-E	11	6,24/6,41	1,370	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
Multi split							
RAS-2M14S3AV-E	12,6	3,87/3,96	0,83	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-2M18S3AV-E	12,6	6,15/5,48	1,34	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-3M18S3AV-E	13,1	5,39/7,22	1,17	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-3M26S3AV-E	16,1	9,15/10,07	2,0	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAS-4M27S3AV-E	16,4	10,46/8,82	2,29	20	220-240V/1Ph+N/50Hz	3G2,5	4G1,5
RAS-5M34S3AV-E	19,5	13,65/12,97	2,98	20	220-240V/1Ph+N/50Hz	3G2,5	4G1,5
LIGHT COMMERCIAL							
Digital Inverter							
RAV-SM304ATP-E	7,85		0,85	13	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAV-SM404ATP-E	9,15		1,12	13	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAV-SM564ATP-E	12,3	7,31/6,37	1,56	13	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAV-SM804ATP-E	14,3	10,40/9,98	2,22	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAV-SM1104ATP-E	20,8	14,60/14,17	3,02	20	220-240V/1Ph+N/50Hz	3G2,5	4G1,5
RAV-SM1404ATP-E	22,8	20,74/16,44	3,57	25	220-240V/1Ph+N/50Hz	3G2,5	4G1,5
RAV-SM1603AT-E	29,7	21,48/21,20	4,49	25	220-240V/1Ph+N/50Hz	3G2,5	4G1,5
Super Digital Inverter							
RAV-SP564ATP-E	15,0	6,82/5,61	1,47	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAV-SP804ATP-E	20,8	8,72/8,95	1,86	16	220-240V/1Ph+N/50Hz	3G1,5	4G1,5
RAV-SP1104AT-E	22,8	10,36/10,96	2,34	20	220-240V/1Ph+N/50Hz	3G2,5	4G1,5
RAV-SP1104AT8-E	16,4	4,45/4,52	2,42	16	380-415V/3Ph+N/50Hz	3G1,5	4G1,5
RAV-SP1404AT-E	22,8	14,66/14,89	3,21	20	220-240V/1Ph+N/50Hz	3G2,5	4G1,5
RAV-SP1404AT8-E	16,4	6,03/5,97	3,46	16	380-415V/3Ph+N/50Hz	3G1,5	4G1,5
RAV-SP1604AT8-E	16,4	7,55/7,26	4,49	16	380-415V/3Ph+N/50Hz	3G1,5	4G1,5

❄️ Cooling 🔥 Heating







Outdoor unit	Current consumption maximum (A)	Current consumption nominal (A) /	Power consumption nominal (kW)	Recommended protection (A)	Supply voltage	*Recommended cable type power supply H07RN-F*G**2	Communication-cable H07RN-F*G**2
Digital Inverter Big							
RAV-SM2244AT8-E	18,0	10,09/9,41	6,24	20	380-415V/3Ph+N/50Hz	5G2,5	4G1,5
RAV-SM2804AT8-E	22,0	13,24/12,09	8,19	25	380-415V/3Ph+N/50Hz	5G2,5	4G1,5
ESTIA							
HWS-804H-E(1)	19,2	8,50/7,97	1,88	20	220-240V/1Ph/50Hz	3G2,5	4G1,5
HWS-1104H-E(1)	22,8	14,71/10,08	3,17	20	220-240V/1Ph/50Hz	3G2,5	4G1,5
HWS-1404H-E(1)	22,8	17,19/13,74	3,72	20	220-240V/1Ph/50Hz	3G2,5	4G1,5
HWS-1104H8-E(1)	14,6	5,08/3,73	3,17	3x16	380-415V/3Ph+N/50Hz	3G1,5	4G1,5
HWS-1404H8-E(1)	14,6	5,71/5,01	3,72	3x16	380-415V/3Ph+N/50Hz	3G1,5	4G1,5
HWS-1604H8-E(1)	14,6	7,51/5,94	4,71	3x16	380-415V/3Ph+N/50Hz	3G1,5	4G1,5
HI-Power							
HWS-P804HR-E(1)	19,2	7,39/7,57	1,94	20	220-240V/1Ph/50Hz	3G2,5	4G1,5
HWS-P1104HR-E(1)	22,8	14,99/10,33	3,26	25	220-240V/1Ph/50Hz	3G2,5	4G1,5
COMMERCIAL							
Mini-SMMS-i (1-phase)							BUS cable:
MCY-MAP0401HT	25	13,8/13,1	2,820	20	220-240V/1Ph/50Hz	3G2,5	**
MCY-MAP0501HT	28	16,8/16,1	3,470	20	220-240V/1Ph/50Hz	3G2,5	**
MCY-MAP0601HT	31	22,4/23,2	4,630	25	220-240V/1Ph/50Hz	3G4,0	**
Mini-SMMS-e (3-phase)							BUS cable:
MCY-MHP0404HS8-E	12,5	4,5/4,2	2,82	3x16	380-415V/3Ph+N/50Hz	5G1,5	**
MCY-MHP0504HS8-E	12,5	5,4/5,8	3,47	3x16	380-415V/3Ph+N/50Hz	5G1,5	**
MCY-MHP0604HS8-E	12,5	6,7/6,6	4,25	3x16	380-415V/3Ph+N/50Hz	5G1,5	**
SMMS-i							
MMY-MAP0804HT8P-E	23,5	8,5/8,8	5,53	3x20	380-415V/3Ph+N/50Hz	5G2,5	**
MMY-MAP1004HT8P-E	25,5	11,4/11,8	7,50	3x20	380-415V/3Ph+N/50Hz	5G2,5	**
MMY-MAP1204HT8P-E	28,5	14,7/16,0	10,20	3x25	380-415V/3Ph+N/50Hz	5G4,0	**
MMY-MAP1404HT8P-E	33,2	17,7/17,6	11,50	3x25	380-415V/3Ph+N/50Hz	5G4,0	**
MMY-MAP1604HT8P-E	36,5	20,8/22,0	13,70	3x32	380-415V/3Ph+N/50Hz	5G6,0	**
SMMS-e							
MMY-MAP0806HT8P-E	20,5	8,79/8,77	5,54	3x20	380-415V/3Ph+N/50Hz	5G2,5	**
MMY-MAP1006HT8P-E	21,5	12,1/11,6	7,69	3x20	380-415V/3Ph+N/50Hz	5G2,5	**
MMY-MAP1206HT8P-E	26,1	15,5/15,0	10,0	3x25	380-415V/3Ph+N/50Hz	5G4,0	**
MMY-MAP1406HT8P-E	31,0	19,5/17,8	12,33	3x32	380-415V/3Ph+N/50Hz	5G6,0	**
MMY-MAP1606HT8P-E	35,8	22,4/20,2	14,3	3x32	380-415V/3Ph+N/50Hz	5G6,0	**
MMY-MAP1806HT8P-E	40,6	22,9/22,1	14,6	3x40	380-415V/3Ph+N/50Hz	5G6,0	**
MMY-MAP2006HT8P-E	44,9	26,8/26,1	17,3	3x40	380-415V/3Ph+N/50Hz	5G6,0	**
MMY-MAP2206HT8P-E	49,3	35,6/26,5	23,2	3x50	380-415V/3Ph+N/50Hz	5G10,0	**
SHRM-i							
MMY-MAP0804FT8-E	24,5	8,3/9,1	5,68	3x20	380-415V/3Ph+N/50Hz	5G2,5	**
MMY-MAP1004FT8-E	27,1	11,4/12,0	7,50	3x20	380-415V/3Ph+N/50Hz	5G2,5	**
MMY-MAP1204FT8-E	31,2	13,4/14,5	9,05	3x25	380-415V/3Ph+N/50Hz	5G4,0	**
MMY-MAP1404FT8-E	36,4	17,8/19,9	12,70	3x32	380-415V/3Ph+N/50Hz	5G6,0	**







*The correct calculation of cable cross-section is the responsibility of the executive electric installation company



**2-wire flexible / shielded <500m= 0,75mm²; >500m= 1,5mm²







PRICE LIST – ADDITIONAL INFORMATION

Sound power / Sound pressure

Outdoor unit	Sound power: dB(A)	Sound pressure: dB(A)	Noise reduction not possible dB(A)
	 / 	 / 	 / 
RESIDENTIAL			
AvAnt			
RAS-107SAV-E6	63/65	48/50	---
RAS-137SAV-E6	63/65	48/50	---
RAS-167SAV-E5	64/65	49/50	---
MIRAI			
RAS-10BAV-E	63/65	48/50	---
RAS-10BAVG-E	63/65	48/50	---
RAS-13BAV-E	63/65	48/50	---
RAS-13BAVG-E	63/65	48/50	---
RAS-16BAV-E	64/65	49/50	---
RAS-16BAVG-E	64/65	49/50	---
Suzumi Plus + Console			
RAS-10N3AV2-E1	61/62	46/47	---
RAS-13N3AV2-E1	63/65	48/50	---
RAS-16N3AV2-E	64/65	49/50	---
RAS-18N3AV2-E	64/65	49/50	---
RAS-22N3AV2-E	68/67	49/50	---
Super Daiseikai 8			
RAS-10G2AVP-E	61/62	46/47	---
RAS-13G2AVP-E	63/64	48/49	---
RAS-16G2AVP-E	64/65	49/50	---
Multi split			
RAS-2M14S3AV-E	58/59	45/46	---
RAS-2M18S3AV-E	60/63	47/50	---
RAS-3M18S3AV-E	60/63	47/50	---
RAS-3M26S3AV-E	63/64	48/49	---
RAS-4M27S3AV-E	63/64	48/49	---
RAS-5M34S3AV-E	66/68	52/55	---

Outdoor unit	Sound power: dB(A)	Sound pressure: dB(A)	Noise reduction with accessories connector dB(A)
	 / 	 / 	 / 
LIGHT COMMERCIAL			
Digital Inverter			TCB-PCOS1E2
RAV-SM304ATP-E	61/62	46/47	---
RAV-SM404ATP-E	64/65	49/50	---
RAV-SM564ATP-E	63/65	46/48	41/45
RAV-SM804ATP-E	65/69	48/52	43/48
RAV-SM1104ATP-E	70/71	53/54	46/50
RAV-SM1404ATP-E	70/71	54/55	49/50
RAV-SM1603AT-E	68/70	51/53	46/48

Outdoor unit	Sound power: dB(A)	Sound pressure: dB(A)	Noise reduction with accessories connector dB(A)
	 / 	 / 	 / 
Super Digital Inverter			TCB-PCOS1E2
RAV-SP564ATP-E	63/64	47/48	42/43
			TCB-KBOS1E
RAV-SP804ATP-E	64/65	48/49	43/44
RAV-SP1104AT-E	66/67	49/50	44/45
RAV-SP1104AT8-E	66/67	49/50	44/45
RAV-SP1404AT-E	68/69	51/52	46/47
RAV-SP1404AT8-E	68/69	51/52	46/47
RAV-SP1604AT8-E	68/70	51/53	46/48
SDI Big			TCB-KBOS1E
RAV-SM2244AT8-E	72/74	56/57	45/45
RAV-SM2804AT8-E	74/75	57/58	45/45

Outdoor unit	Sound power: dB(A)	Sound pressure: dB(A)	Noise reduction with accessories board dB(A)
	 / 	 / 	 / 
COMMERCIAL			
Mini-SMMS-i			TCB-PCM04E
MCY-MAP0401HT		49/50	46/48
MCY-MAP0501HT		50/52	46/48
MCY-MAP0601HT		51/53	47/49
Mini-SMMS-e			
MCY-MHP0404HS8-E	66/67	49/52	46/48
MCY-MHP0504HS8-E	68/69	50/53	46/48
MCY-MHP0604HS8-E	68/70	51/54	47/49
SMMS-i			TCB-PCM04E
MMY-MAP0804HT8P-E	77/78	55/56	50/50
MMY-MAP1004HT8P-E	78/79	57/58	50/50
MMY-MAP1204HT8P-E	82/83	59/61	50/50
MMY-MAP1404HT8P-E	82/83	60/62	53/53
MMY-MAP1604HT8P-E	83/84	61/63	53/53
SMMS-e			TCB-PCM04E
MMY-MAP0806HT8P-E	74/74	55/56	54/54
MMY-MAP1006HT8P-E	74/74	57/58	54/54
MMY-MAP1206HT8P-E	80/82	59/61	54/54
MMY-MAP1406HT8P-E	80/82	60/62	53/53
MMY-MAP1606HT8P-E	81/83	62/64	53/53
MMY-MAP1806HT8P-E	81/83	60/61	50/50
MMY-MAP2006HT8P-E	82/84	61/62	50/50
MMY-MAP2206HT8P-E	83/84	61/62	50/50
SHRM-i			TCB-PCM04E
MMY-MAP0804FT8-E	77/79	55/57	50/50
MMY-MAP1004FT8-E	78/80	57/59	50/50
MMY-MAP1204FT8-E	81/83	60/62	53/53
MMY-MAP1404FT8-E	82/84	62/64	53/53

 Cooling  Heating

PRICE LIST – ADDITIONAL INFORMATION

VRF performance tables SMMS-e



Model Capacity	MMY-	MAP0806HT8P-E 8 HP	MAP1006HT8P-E 10 HP	MAP1206HT8P-E 12 HP	MAP1406HT8P-E 14 HP	MAP1606HT8P-E 16 HP	MAP1806HT8P-E 18 HP	MAP2006HT8P-E 20 HP	MAP2206HT8P-E 22 HP
Cooling capacity	kW	22,4	28,0	33,5	40,0	45,0	50,4	56,0	61,5
Heating capacity	kW	25,0	31,5	37,5	45,0	50,0	56,0	63,0	64,0
Connectable indoor units		18	22	27	31	36	40	45	49



Model Capacity	MMY-	AP2416HT8P-E 24 HP	AP2616HT8P-E 26 HP	AP2816HT8P-E 28 HP	AP3016HT8P-E 30 HP	AP3216HT8P-E 32 HP	AP3416HT8P-E 34 HP	AP3616HT8P-E 36 HP	AP3816HT8P-E 38 HP
Combinations		12 + 12	14 + 12	16 + 12	16 + 14	16 + 16	18 + 16	20 + 16	22 + 16
Cooling capacity	kW	67,0	73,5	78,5	85,0	90,0	95,4	101,0	106,5
Heating capacity	kW	75,0	82,5	87,5	95,0	100,0	106,0	113,0	114,0
Connectable indoor units		54	58	63	64	64	64	64	64



Model Capacity	MMY-	AP4016HT8P-E 40 HP	AP4216HT8P-E 42 HP	AP4416HT8P-E 44 HP	AP4616HT8P-E 46 HP	AP4816HT8P-E 48 HP
Combinations		20 + 20	22 + 20	22 + 22	16 + 16 + 14	16 + 16 + 16
Cooling capacity	kW	112,0	117,5	123,0	130,0	135,0
Heating capacity	kW	126,0	127,0	128,0	145,0	150,0
Connectable indoor units		64	64	64	64	64



Model Capacity	MMY-	AP5016HT8P-E 50 HP	AP5216HT8P-E 52 HP	AP5416HT8P-E 54 HP	AP5616HT8P-E 56 HP	AP5816HT8P-E 58 HP	AP6016HT8P-E 60 HP
Combinations		18 + 16 + 16	20 + 16 + 16	22 + 16 + 16	20 + 20 + 16	22 + 20 + 16	22 + 22 + 16
Cooling capacity	kW	140,4	146,0	151,5	157,0	162,5	168,0
Heating capacity	kW	156,0	163,0	164,0	176,0	177,0	178,0
Connectable indoor units		64	64	64	64	64	64

VRF performance tables SMMS-e High efficient models

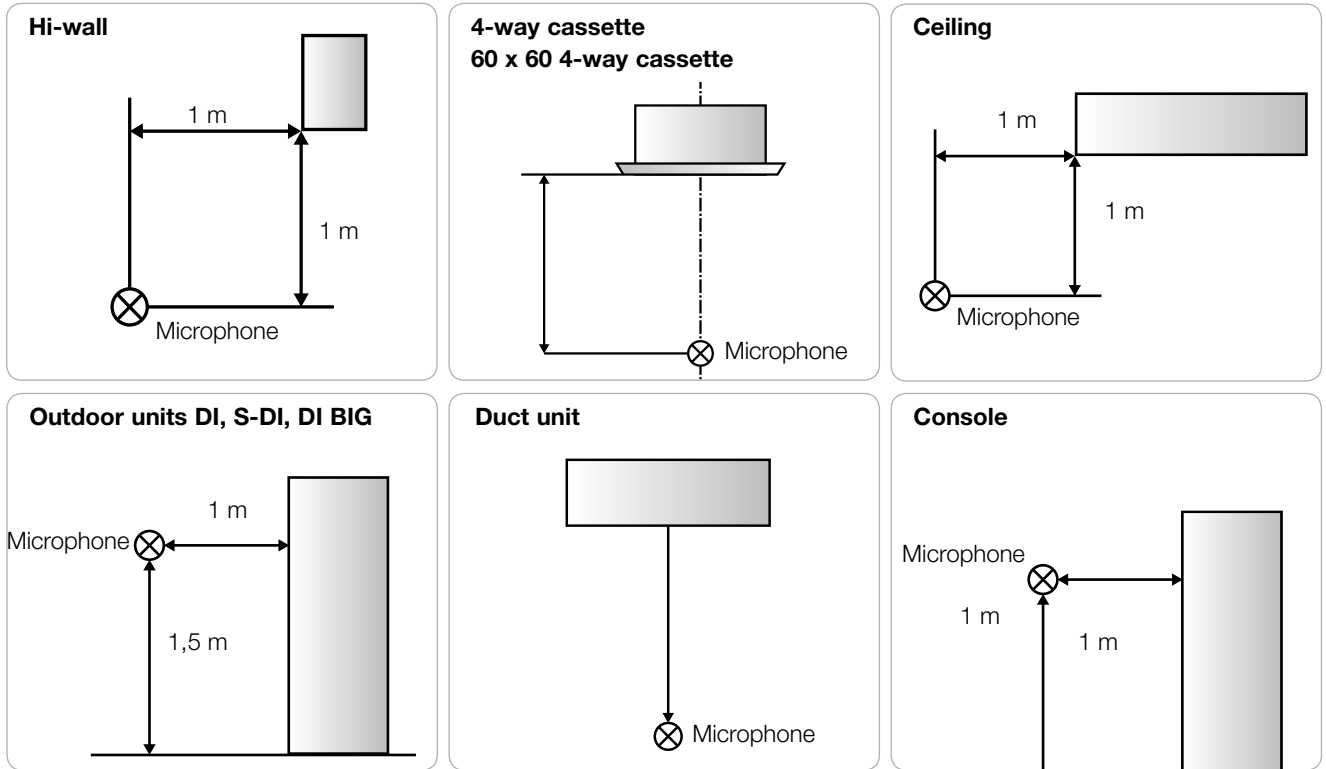


Model Capacity	MMY-	AP2026HT8P-E 20 HP	AP2226HT8P-E 22 HP	AP3626HT8P-E 36 HP	AP3826HT8P-E 38 HP	AP4026HT8P-E 40 HP
Combinations		10 + 10	12 + 10	12 + 12 + 12	14 + 12 + 12	14 + 14 + 12
Cooling capacity	kW	56,0	61,5	100,5	107,0	113,5
Heating capacity	kW	63,0	69,0	112,5	120,0	127,5
Connectable indoor units		45	49	64	64	64



Model Capacity	MMY-	AP4226HT8P-E 42 HP	AP4426HT8P-E 44 HP	AP5426HT8P-E 54 HP
Combinations		14 + 14 + 14	16 + 14 + 14	20 + 20 + 14
Cooling capacity	kW	120,0	125,0	152,0
Heating capacity	kW	135,0	140,0	171,0
Connectable indoor units		64	64	64

Measuring conditions for determining the sound pressure level



Sound pressure level: measured in about 1,5 m distance to the indoor unit and 1 m distance to the outdoor unit these values are determined in an anechoic chamber in accordance with JIS B8616; in the installed state, these values may be higher because of external factors influence

Measuring conditions for TOSHIBA air-conditioners

- Cooling:** Outdoor air temperature: + 35 °C DB temperature
Indoor air temperature: + 27 °C DB temperature /+ 19 °C WB temperature
Humidity: 50-55% relative humidity
- Heating:** Outdoor air temperature: + 7°C DB temperature /+ 6 °C WB temperature
Indoor air temperature: + 20°C DB temperature
- Refrigerant pipses:** 7,5 m length - no height difference between indoor and outdoor unit
- Sound pressure level:** measured in about 1,5 m distance to the indoor unit and 1 m distance to the outdoor unit these values are determined in an anechoic chamber in accordance with JIS B8616; in the installed state, these values may be higher because of external factors influence

Glossar

Heat pump	A heat pump is a technical unit that produces useful heat from ambient temperature (about 75 percent) and compressor energy (about 25 percent).
Inverter technology	Under inverter technology is meant converting alternating current to direct current to control the compressor speed efficiently and almost without loss.
Efficiency	The efficiency is the direct comparison between the value expended electrical power and got heating / cooling capacity.
Seasonal efficiency	See definition „efficiency“ to one year.
Full load	Full load is an operation state in which a machine maximum power output can provide.
Partial load	Partial load is an operation state which is reached by speed adjustment due to the required capacity requirement of the room.
Compressor	A compressor is a component which is required for compressing gas.
PWM, PAM	The converted voltage by the „Inverter“ can push the compressor in two ways. Either the pulse width modulation (low voltage / PWM) for a very efficient operation at partial load or the pulse amplitude modulation (high voltage / PAM) for fast reaching the set temperature will be applied.
Sound power	Sound power is an acoustic variable which occurs at the actual sound source. It is expressed in dB (A).
Sound pressure	Sound pressure is the result of the acoustic power depending on the distance to the sound source. It is measured in dB (A).
Nominal capacity	The ideal unit performance at a given operating point.
Maximal capacity	The maximum unit performance at a given operating point.
Electrical protection	It interrupts an electric circuit when the electric current exceeds a predetermined current level for a predetermined time or a short-circuits or short to ground occurs on the electrical load.
P_{designc}	Calculated cooling capacity of the room to be cooled at 35°C ambient temperature.
P_{designh}	Calculated heating capacity of the room to be heated at well-defined outside temperature.
Refrigerant	Refrigerant is a technical mixture gas, which is used within the system as a medium for the transport of cold and heat energy. Common refrigerants are currently R410A and R32, the trend is in the future towards R32. R32 has a lower global warming potential, energy efficiency is still high and plants with R32 need a smaller capacity.

TOSHIBA Leading Innovation >>>

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Subject to typographical and other errors: EN / PRICE / 02.2016
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