

TOSHIBA Leading Innovation >>>



Pricelist
AIR CONDITIONING

2009/2010

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

Exclusive jurisdiction for both partners is the „Landes- als Handelsgesicht“ Graz. For the contractual relations Austrian law is valid.

■ Quotation

Our prices are quoted inclusively normal packaging ex loading platform of the forwarding agency Gebrüder Weiss Vienna, without loading. Costs incurred due to special requests are met by the purchaser. Incoterms are valid in the version of 2000. Separate agreements for pricing are noted on the purchase conditions.

■ Passing of the risk

The risk goes over to 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.

■ Dispatch

Orders for dispatches abroad can not be carried out by us.

■ 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 dispatch note and the forwarding agency has to be informed immediately. Latent defects have to be notified in Austria within 7 days and in export countries 10 days from date of collection, otherwise claims 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.

■ Wrong deliveries

Costs and follow-up costs that result from wrong deliveries can not be asserted.

■ Material warranty

Claims for material warranty can be asserted from the purchaser within 24 months from date of delivery and date of invoice using our requested 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, claims for material warranty will be refused.

■ Reservation of ownership

We reserve the ownership of the delivered goods until all outstanding receivables against the purchaser out of the business relation are settled inclusively debts that will arise from simultaneous or later concluded contracts.

■ Cancellation fee

For the cancellation of orders we allow us to charge the amount of € 50,- when receiving the cancellation after preparation of the goods and invoice respectively after issuing export documents we charge the amount of € 100,-.

■ 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's 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.

Measuring conditions for Toshiba air-conditioners

Cooling:	indoor air temperature 27°C db / 19°C wb, outdoor air temperature 35°C db
Heating:	indoor air temperature 20°C db / outdoor air temperature 7°C db, 6°C wb
Refrigeration pipes:	7,5 m length respectively no height difference between indoor and outdoor unit
Sound pressure level:	given at about 1,5 m distance* to the indoor unit respectively 1 m distance to the outdoor unit
Energy class, Annual energy consumption:	determined according to 2002/31/EC Commission Directive.

* for detailed specification please see the service manual!

Validity of the price list: 1st April 2009 until 31st March 2010

The price list is subject to the general terms of business of Air-Cond Klimaanlagen-Handelsgesellschaft m.b.H.

Subject to change without notice! All specifications, model names and pictures are subjects to typing and printing errors.



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Super Daiseikai

- Top energy efficiency through DC Hybrid Inverter technology
- Efficient filtration system (Katechin and Ag Plasma filter)
- Self-cleaning function + disinfection using small density of ozone
- Optimum air-flow distribution



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Heat pump DAISEIKAI – Japan production									
RAS-B10SKVP-E RAS-10SAVP-E	2,5 (0,5-3,5)	3,2 (0,6-6,1)	A/A	250/790/208 550/780/290	0,10-0,87	0,12-1,71	57/42 59	510,-- 990,--	1.500,--
RAS-B13SKVP-E RAS-13SAVP-E	3,5 (0,6-4,5)	4,2 (0,6-6,9)	A/A	250/790/208 550/780/290	0,11-1,37	0,12-2,09	58/42 61	570,-- 1.150,--	1.720,--
RAS-B16SKVP-E RAS-16SAVP-E	4,5 (0,8-5,0)	5,5 (0,8-8,0)	A/A	250/790/208 550/780/290	0,15-1,82	0,15-2,51	60/44 62	670,-- 1.470,--	2.140,--

Nordic Super Daiseikai

- Top energy efficiency, especially designed for the residential area
- Constant temperature inside rooms (variable from 6 to 12 °C) in absence
- Additional heater inside the outdoor unit to avoid freezing of the condensate



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Heat pump NORDIC DAISEIKAI – Japan production									
RAS-10SKVP-ND RAS-10SAVP-ND	2,5 (0,5-3,5)	3,2 (0,6-6,1)	A/A	250/790/208 550/780/290	0,10-0,87	0,12-1,71	57/42 59	560,-- 1.120,--	1.680,--
RAS-13SKVP-ND RAS-13SAVP-ND	3,5 (0,6-4,5)	4,2 (0,6-6,9)	A/A	250/790/208 550/780/290	0,11-1,37	0,12-2,09	58/42 61	640,-- 1.300,--	1.940,--
RAS-16SKVP-ND RAS-16SAVP-ND	4,5 (0,8-5,0)	5,5 (0,8-8,0)	A/A	250/790/208 550/780/290	0,15-1,82	0,15-2,51	60/44 62	770,-- 1.630,--	2.400,--

Super Daiseikai V – Exclusive model

- Absolutely top efficiency ratios!
- New VMC compressor to increase the efficiency within the part load operation
- Highly effective Plasma-Ions filtration system
- Limited edition as single version



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Heat pump SUPER DAISEIKAI V – Exclusive model									
RAS-10PKVP-E RAS-10PAVP-E	2,5 (0,3-3,5)	3,0 (0,3-5,8)	A/A	295/790/242 550/780/290	0,07-0,88	0,07-1,60	58/42 63	630,-- 1.200,--	1.830,--
RAS-13PKVP-E RAS-13PAVP-E	3,5 (0,3-4,5)	4,0 (0,3-6,1)	A/A	295/790/242 550/780/290	0,07-1,25	0,07-1,60	60/42 65	650,-- 1.330,--	1.980,--
RAS-16PKVP-E RAS-16PAVP-E	4,5 (0,3-5,0)	5,5 (0,3-6,5)	A/A	295/790/242 550/780/290	0,07-1,49	0,07-1,70	62/45 65	740,-- 1.630,--	2.370,--

Daiseikai

- Very good efficiency ratios
- Active air purification (Plasma filter, Super Oxi-Deo filter)
- Air ioniser
- Self-cleaning function and quiet operation



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Heat pump DAISEIKAI – Thailand production									
RAS-10SKVR-E RAS-10SAVR-E	2,5 (1,1-3,1)	3,2 (0,9-4,8)	A/A	275/790/205 550/780/290	0,25-0,82	0,17-1,40	51/39 59	400,-- 850,--	1.250,--
RAS-13SKVR-E RAS-13SAVR-E	3,5 (0,8-4,1)	4,2 (0,9-5,8)	A/A	275/790/205 550/780/290	0,15-1,25	0,15-1,64	52/39 61	410,-- 1.050,--	1.460,--
RAS-16SKVR-E RAS-16SAVR-E	4,5 (0,8-5,0)	5,5 (0,9-6,9)	A/A	275/790/205 550/780/290	0,15-1,72	0,15-1,98	58/43 62	420,-- 1.330,--	1.750,--
RAS-18SKVR-E RAS-18SAV-E	5,0 (1,1-6,0)	5,8 (0,8-6,3)	A/A	320/1050/228 550/780/290	0,18-2,00	0,14-1,70	57 62	560,-- 1.300,--	1.860,--
RAS-22SKVR-E RAS-22SAV-E	6,0 (1,2-6,7)	7,0 (1,0-7,5)	B/B	320/1050/228 550/780/290	0,20-2,65	0,18-2,21	60 65	580,-- 1.650,--	2.230,--

Hybrid Inverter

- High energy efficiency
- DC – Hybrid Inverter with PAM and PWM
- 7 in 1 filtration (Super Oxi-Deo, Super-Sterilizer filter)
- Self-cleaning function
- Quiet operation



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Hybrid Inverter									
RAS-10SKV-E RAS-10SAV-E	2,5 (1,1-3,0)	3,2 (0,9-4,1)	A/A	250/740/195 530/660/240	0,25-0,96	0,20-1,20	51/42 61	330,-- 760,--	1.090,--
RAS-13SKV-E RAS-13SAV-E	3,5 (1,1-4,0)	4,2 (0,9-5,0)	A/A	275/790/205 550/780/290	0,25-1,33	0,17-1,48	52/39 61	340,-- 930,--	1.270,--
RAS-16SKV-E RAS-16SAV-E	4,5 (0,8-5,0)	5,3 (0,9-6,2)	C/B	275/790/205 550/780/290	0,15-1,90	0,15-1,81	58/43 62	350,-- 1.160,--	1.510,--
RAS-18SKV-E RAS-18SAV-E	5,0 (1,1-6,0)	5,8 (0,8-6,3)	A/A	320/1050/228 550/780/290	0,18-2,00	0,14-1,70	57 62	500,-- 1.300,--	1.800,--
RAS-22SKV-E RAS-22SAV-E	6,0 (1,2-6,7)	7,0 (1,0-7,5)	B/B	320/1050/228 550/780/290	0,20-2,65	0,18-2,21	60 65	520,-- 1.650,--	2.170,--

RAS Inverter Multi >>Cooling only<<

Type	Capacity [kW]		Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]
	Cooling	Heating		Cooling	Heating		
Super Daiseikai Hi-wall „COOLING ONLY“ * Wireless remote control included * deliverable while stocks last *							
RAS-M10SKCVP-E	2,5 (1,1-3,2)	--	250/790/208	0,03	--	57	500,--
RAS-M13SKCVP-E	3,5 (1,1-4,4)	--	250/790/208	0,03	--	58	520,--
RAS-M16SKCVP-E	4,5 (1,4-4,9)	--	250/790/208	0,03	--	60	540,--

Hybrid Inverter Hi-wall „COOLING ONLY“ * Wireless remote control included *							
RAS-M10SKCV-E	2,5 (1,1-3,2)	--	275/790/205	0,02	--	53	400,--
RAS-M13SKCV-E	3,5 (1,1-4,4)	--	275/790/205	0,02	--	54	430,--
RAS-M16SKCV-E	4,5 (1,4-4,9)	--	275/790/205	0,02	--	60	470,--

60x60 4-Way-Cassette „COOLING ONLY“ * Wireless remote control included *							
RAS-M10SMUCV-E	2,5 (1,1-3,2)	--	268/575/575	0,06	--	52	920,--
RAS-M13SMUCV-E	3,5 (1,1-4,4)	--	268/575/575	0,06	--	53	960,--
RAS-M16SMUCV-E	4,5 (1,4-4,9)	--	268/575/575	0,06	--	55	1.000,--

Panel							
RB-B11MC(W)-E	--	--	27/700/700	--	--	--	200,--

Duct type „COOLING ONLY“ * Wireless remote control included *							
RAS-M10GDCV-E	2,5 (1,1-3,2)	--	230/750/440	0,11	--	44	720,--
RAS-M13GDCV-E	3,5 (1,1-4,4)	--	230/750/440	0,11	--	45	760,--
RAS-M16GDCV-E	4,5 (1,4-4,9)	--	230/750/440	0,11	--	46	820,--

Hybrid Inverter outdoor units „COOLING ONLY“							
RAS-M14GACV-E	4,0 (1,4-4,5)	--	550/780/290	1,02	--	59	1.150,--
RAS-M18GACV-E	5,2 (1,4-6,2)	--	550/780/290	1,60	--	59	1.210,--
RAS-3M23GACV-E	6,7 (2,2-7,0)	--	695/780/270	2,06	--	57	1.600,--
RAS-4M27GACV-E	8,0 (1,4-9,2)	--	795/900/320	2,50	--	60	2.200,--

At 3-room and 4-room multi outdoor units it is necessary to install the minimum of 2 indoor units for technical reasons.

Kombinationsmöglichkeiten RAS MULTI Kühlen																										
1 Inneng.		2 Innengeräte						3 Innengeräte								4 Innengeräte										
10	13	10	10	13	10	13	16	10	10	10	10	10	13	10	13	13	16	10	10	10	10	10	10	10	10	13
-	-	10	13	13	16	16	16	10	10	13	10	13	13	16	13	16	16	10	10	10	10	10	13	10	13	13
-	-	-	-	-	-	-	-	10	13	13	16	16	13	16	16	16	10	10	10	13	13	13	16	13	13	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	13	16	13	16	13	16	16	13	
RAS-M14GACV-E																										
RAS-M18GACV-E																										
		RAS-3M23GACV-E																								
								RAS-4M27GACV-E																		

RAS Inverter Multi >>Heat pump<<

Type	Capacity [kW]		Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]
	Cooling	Heating		Cooling	Heating		
Super Daiseikai Hi-wall „HEAT PUMP“ * Wireless remote control included *							
RAS-B10SKVP-E	2,5 (1,1-3,2)	3,2 (0,7-5,2)	250/790/208	0,03	0,03	58	510,--
RAS-B13SKVP-E	3,5 (1,1-4,4)	4,2 (0,7-6,5)	250/790/208	0,03	0,03	59	570,--
RAS B16SKVP-E	4,5 (1,4-4,9)	5,5 (0,8-6,9)	250/790/208	0,03	0,03	60	670,--

Hybrid Inverter Hi-wall „HEAT PUMP“ * Wireless remote control included *							
RAS-M10SKV-E	2,5 (1,1-3,2)	3,2 (0,7-5,2)	275/790/205	0,02	0,02	54	410,--
RAS-M13SKV-E	3,5 (1,1-4,4)	4,2 (0,7-6,5)	275/790/205	0,02	0,02	55	440,--
RAS-M16SKV-E	4,5 (1,4-4,9)	5,5 (0,8-6,9)	275/790/205	0,02	0,02	60	490,--

Hybrid Inverter Hi-wall „HEAT PUMP“ ** deliverable while stocks last * Wireless remote control included *							
RAS-M16GKV-E2	4,5 (1,4-4,9)	5,5 (0,8-6,9)	275/790/218	0,03	0,03	55	200,--

* Special offer price!

60x60 4-Way-Cassette „HEAT PUMP“ * Wireless remote control included *							
RAS-M10SMUV-E	2,5 (1,1-3,2)	3,2 (0,7-5,2)	268/575/575	0,06	0,06	52	930,--
RAS-M13SMUV-E	3,5 (1,1-4,4)	4,2 (0,7-6,5)	268/575/575	0,06	0,06	53	970,--
RAS-M16SMUV-E	4,5 (1,4-4,9)	5,5 (0,8-6,9)	268/575/575	0,06	0,06	55	1.010,--

Panel							
RB-B11MC(W)-E	--	--	27/700/700	--	--	--	200,--

Duct type „HEAT PUMP“ * Wireless remote control included *							
RAS-M10GDV-E	2,5 (1,1-3,2)	3,2 (0,7-5,2)	230/750/440	0,11	0,11	44	730,--
RAS-M13GDV-E	3,5 (1,1-4,4)	4,2 (0,7-6,5)	230/750/440	0,11	0,11	45	780,--
RAS-M16GDV-E	4,5 (1,4-4,9)	5,5 (0,8-6,9)	230/750/440	0,11	0,11	46	840,--

Hybrid Inverter outdoor units „HEAT PUMP“							
RAS-M14GAV-E	4,0 (1,4-4,5)	4,4 (0,9-5,2)	550/780/290	1,02	0,95	61	1.300,--
RAS-M18GAV-E	5,2 (1,4-6,2)	6,7 (0,9-8,5)	550/780/290	1,54	1,79	62	1.380,--
RAS-3M26GAV-E	7,5 (1,4-8,9)	9,0 (0,8-10,8)	795/900/320	2,25	2,55	61	2.230,--
RAS-4M27GAV-E	8,0 (1,4-9,2)	9,0 (9,8-11,0)	795/900/320	2,50	2,25	61	2.550,--

At 3-room and 4-room multi outdoor units it is necessary to install the minimum of 2 indoor units for technical reasons.

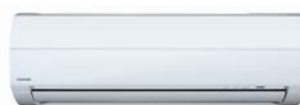
Kombinationsmöglichkeiten RAS MULTI Wärmepumpe																										
1 Inneng.		2 Innengeräte						3 Innengeräte						4 Innengeräte												
10	13	10	10	13	10	13	16	10	10	10	10	10	13	10	13	13	16	10	10	10	10	10	10	10	13	
-	-	10	13	13	16	16	16	10	10	13	10	13	13	16	13	16	16	16	10	10	10	10	10	13	10	13
-	-	-	-	-	-	-	-	10	13	13	16	16	13	16	16	16	16	16	10	10	10	13	13	13	16	13
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	13	16	13	16	13	16	13
RAS-M14GAV-E		RAS-M18GAV-E						RAS-3M26GAV-E						RAS-4M27GAV-E												

Fix Speed Hi-wall

- New design
- 7 in 1 air filtration (Super Oxi-Deo, Super-Sterilizer filter)
- Ameliorated efficiency ratios
- 5-stage fan plus automatic mode
- Self-cleaning function



RAS-13SK(H)P



RAS-10SK(H)P



RAS-18/24SK(H)P

Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Hi-wall – COOLING ONLY * Wireless remote control included *									
RAS-10SKP-ES	2,73	---	A/---	250/740/195	0,84	---	52	290,--	720,--
RAS-10SA-ES				550/780/290			60		
RAS-13SKP-ES	3,75	---	A/---	275/790/205	1,15	---	54	310,--	800,--
RAS-13SA-ES				550/780/290			64		
RAS-18SKP-ES	5,33	---	A/---	320/1050/228	1,66	---	57	430,--	1.130,--
RAS-18SA-ES				715/780/290			70		
RAS-24SKP-ES	6,83	---	C/---	320/1050/228	2,43	---	57	450,--	1.370,--
RAS-24SA-ES				715/780/290			70		

Hi-wall – HEAT PUMP * Wireless remote control included *									
Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
RAS-10SKHP-ES	2,73	2,94	A/A	250/740/195	0,84	0,81	54	300,--	750,--
RAS-10S2AH-ES				550/780/290			60		
RAS-13SKHP-ES	3,78	4,23	A/A	275/790/205	1,17	1,16	54	320,--	840,--
RAS-13S2AH-ES				550/780/290			64		
RAS-18SKHP-ES	5,11	5,50	A/A	320/1050/228	1,56	1,50	57	450,--	1.230,--
RAS-18S2AH-ES				715/780/290			70		
RAS-24SKHP-ES	6,33	6,85	C/C	320/1050/228	2,22	2,10	58	460,--	1.450,--
RAS-24S2AH-ES				715/780/290			70		

Fix Speed Flexi

- 7 in 1 air filtration (Super Oxi-Deo, Super-Sterilizer filter)
- Quiet operation
- 5-stage fan plus automatic mode
- Self-cleaning function



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Flexi - COOLING									
RAS-18GFP-ES2	5,3	---	D/-	633/1093/208	2,04	---	56	590,--	1.290,--
RAS-18GA-ES2				550/780/290			65		
RAS-24GFP-ES2	6,8	---	E/-	633/1093/208	2,79	---	59	630,--	1.550,--
RAS-24GA-ES2				715/780/290			70		
Flexi – HEAT PUMP									
RAS-18GFHP-ES2	5,0	5,7	E/D	633/1093/208	2,01	1,88	56	600,--	1.380,--
RAS-18GAH-ES2				550/780/290			67		
RAS-24GFHP-ES2	6,2	7,0	E/D	633/1093/208	2,57	2,53	59	640,--	1.630,--
RAS-24GAH-ES2				715/780/290			71		

Fix Speed Hi-wall– *Phase-out model*

- Single version
- Active air filtration (Plasma filter, Super Oxi-Deo und Super-Sterilizer filter)
- Quiet operation
- 5-stage fan plus automatic mode
- Self-cleaning function



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Hi-wall – COOLING ONLY * deliverable while stocks last *									
RAS-10GKP-ES2	2,7	---	A/---	250/740/185	0,84	---	54	290,--	720,--
RAS-10GA-ES2				550/780/290			60		
RAS-13GKP-ES2	3,7	---	A/---	275/790/218	1,15	---	54	310,--	800,--
RAS-13GA-ES2				550/780/290			64		
RAS-18GKP-ES2	5,3	---	D/---	298/998/220	1,91	---	57	430,--	1.130,--
RAS-18GA-ES2				550/780/290			65		
RAS-24GKP-ES2	6,8	---	D/---	298/998/220	2,62	---	58	450,--	1.370,--
RAS-24GA-ES2				715/780/290			70		

Hi-wall – HEAT PUMP * deliverable while stocks last *									
RAS-13GKHP-ES2	3,7	4,2	A/A	275/790/218	1,17	1,16	54	320,--	840,--
RAS-13GAH-ES2				550/780/290			64		
RAS-18GKHP-ES2	5,0	5,5	D/C	298/998/220	1,87	1,72	57	450,--	1.230,--
RAS-18GAH-ES2				550/780/290			67		
RAS-24GKHP-ES2	6,4	6,8	E/D	298/998/220	2,47	2,44	58	460,--	1.450,--
RAS-24GAH-ES2				715/780/290			71		

Phase- out model – deliverable while stocks last!

Accessories: RAS Residential

Type	suitable for:	Contents:	Single price excl. VAT [EUR]
Filter accessories			
RB-A406DE	RAS-13/13SK(H)/YK(H), RAS-18/24UK(H)P, RAS-07/10/13YK(H)-ES, RAS-M10/13/16YK(C)V-E	2 x Electrostatic filter 1 x Activated carbon filter	50,--
RB-A602SE	RAS-10/13UKV-E, RAS-07/10/13/18/24UKP-ES, RAS-18/24UKHP-ES, RAS-18/24UF(H)P-ES	2 x Electrostatic filter	10,--
RB-A604DE	RAS-10/13UKV-E, RAS-07/10/13/18/24UKP-ES, RAS-18/24UKHP-ES, RAS-18/24UF(H)P-ES	2 x Zeolith filter	15,--
RB-A604SE2	RAS-xxUKV-ES3 (Single) and RAS-MxxUK(C)V-E3 (Multi)	2 x Bio-Enzym filter	15,--
RB-A606SE	RAS-xxUK(H)P-ES4, RAS-MxxNK(C)V-E, RAS-xxUF(H)P-ES4, RAS-xxGK(H)P-ES2, RAS-xxUK(C)V-E and RAS-xxUF(H)P-ES2	1 x Bio-Enzym filter (green)	15,--
RB-A607DE	Daiseikai (model 2003/2004)	2 x Zeolith filter (blue)	45,--
RB-A608DE	Daiseikai (model 2003/2004)	1 x Zeolith 3 G filter (black)	30,--
RB-A610DE	RAS-xx-ES4 (single) and RAS-Mxx-ES4 (multi)	1 x Sasa-Zeolithfilter (blue)	15,--
RB-A612DE	RAS-xxGK(H)P-ES2, RAS-(M)xxGK(C)V-E2 and RAS-xxGF(H)P-ES2 models	2 x Bio-Enzym Ginko Filter	25,--
RB-A613DE	RAS-xxGK(H)P-ES2, RAS-(M)xx GK(C)V-E2 and RAS-xxGF(H)P-ES2 models	2 x Sasa-Zeolith-Vitamin C filter	20,--
RB-A615DE	RAS-xxGK(H)P-ES2, RAS-xxSKV(R)-E, RAS-MxxSK(C)V-E2, RAS-xx GF(H)P-ES2, RAV-SMxx2KRT-E and RAV-SMxx2XT-E models	2 x Super Oxi Deo filter (blue – orange)	20,--
RB-A616DE	RAS-xxGK(H)P-ES2, RAS-xxSKV-E, RAS-MxxSK(C)V-E2, RAS-xxGF(H)P-ES2, RAV-SMxx2KRT-E and RAV-SMxx2XT-E models	2 x Super Sterilizer filter (green – yellow)	20,--

Low ambient kit		
LA5	Low ambient kit	270,--

Accessories: RAS Inverter duct type

Type		Single price excl. VAT [EUR]
RB-F81E2	Drain pump (kit consists of pump, insulated pipe, hose band, drain band, bolts, instruction)	420,--
RBC-SH-A1LE2	Wired remote control set (kit including relay, remote control, cables and PC-board)	420,--

ADDITIONAL INFORMATION

	Type	Cooling/ Heating [kW]	Length of pipes [m]			Dimensions of pipes [mm / ˆˆ]		Refrigerant weight [kg]	Add. charg [g/m]
			Total	Diff. of height	pre- charged R410A	Gas side	Liquid side		
RAS Fix Speed	RAS-10SA-ES	2,7	10	5	10	9,5 (3/8)	6,4 (1/4)	n/a	-
	RAS-13SA-ES	3,7	15	6	15	12,7 (1/2)	6,4 (1/4)	n/a	-
	RAS-18SA-ES	5,3	20	8	15	12,7 (1/2)	6,4 (1/4)	n/a	n/a
	RAS-24SA-ES	6,8	25	10	15	12,7 (5/8)	6,4 (1/4)	n/a	n/a
	RAS-10S2AH-ES	2,7/2,9	10	5	10	9,5 (5/8)	6,4 (1/4)	n/a	-
	RAS-13S2AH-ES	3,7/4,2	15	6	15	12,7 (1/2)	6,4 (1/4)	n/a	-
	RAS-18S2AH-ES	5,0/5,5	20	8	15	12,7 (1/2)	6,4 (1/4)	n/a	n/a
RAS-24S2AH-ES	6,4/6,8	25	10	15	12,7 (1/2)	6,4 (1/4)	n/a	n/a	
RAS Inverter	RAS-10SAV-E	2,5/3,2	10	8	10	9,5 (3/8)	6,4 (1/4)	0,63	-
	RAS-13SAV-E	3,5/4,2	20	10	15	9,5 (3/8)	6,4 (1/4)	0,80	20
	RAS-16SAV-E	4,5/5,3	20	10	15	12,7 (1/2)	6,4 (1/4)	0,85	20
	RAS-18SAV-E	5,0/5,8	20	10	15	12,7 (1/2)	6,4 (1/4)	1,40	20
	RAS-22SAV-E	6,0/7,0	20	10	15	12,7 (1/2)	6,4 (1/4)	1,40	20
	RAS-10SAVR-E	2,5/3,2	20	10	15	9,5 (3/8)	6,4 (1/4)	0,80	20
	RAS-13SAVR-E	3,5/4,2	20	10	15	9,5 (3/8)	6,4 (1/4)	0,85	20
	RAS-16SAVR-E	4,5/5,5	20	10	15	12,7 (1/2)	6,4 (1/4)	1,10	20
	RAS-10SAVP-E(ND)	2,5/3,2	25	10	15	9,5 (3/8)	6,4 (1/4)	1,05	20
	RAS-13SAVP-E(ND)	3,5/4,2	25	10	15	9,5 (3/8)	6,4 (1/4)	1,05	20
	RAS-16SAVP-E(ND)	4,5/5,5	25	10	15	12,7 (1/2)	6,4 (1/4)	1,05	20
	RAS-10PAVP-E	2,5/3,0	20	10	15	9,5 (3/8)	6,4 (1/4)	n/a	n/a
	RAS-13PAVP-E	3,5/4,0	20	10	15	9,5 (3/8)	6,4 (1/4)	n/a	n/a
RAS-16PAVP-E	4,5/5,5	20	10	15	12,7 (1/2)	6,4 (1/4)	n/a	n/a	
RAS Multi Inverter	RAS-M14GACV-E RAS-M14GAV-E	4,0 4,0/4,4	20m per ID / total 30m	10	20	9,5 (3/8)*	6,4 (1/4)	0,90	20
	RAS-M18GACV-E RAS-M18GAV-E	5,2 5,2/6,7	20m per ID/ total 30m	10	20	9,5 (3/8)* 12,7 (1/2)**	6,4 (1/4)	1,20	20
	RAS-3M23GACV-E	6,7	20m per ID/ total 40m	10	40	9,5 (3/8)* 12,7 (1/2)**	6,4 (1/4)	1,50	-
	RAS-3M26GAV-E	7,5/9,0	25m per ID / total 50m	15	50	9,5 (3/8)* 12,7 (1/2)**	6,4 (1/4)	2,40	-
	RAS-4M27GACV-E RAS-4M27GAV-E	8,0 8,0/9,0	25m per ID / total 70m	15	70	9,5 (3/8)* 12,7 (1/2)**	6,4 (1/4)	2,40	-
Digital Inverter	RAV-SM563AT-E	5,3/5,6	30	30	20	12,7 (1/2)	6,4 (1/4)	1,00	20
	RAV-SM803AT-E	7,1/8,0	30	30	20	15,9 (5/8)	9,5 (3/8)	1,70	40
	RAV-SM1103AT-E	10,0/11,2	50	30	30	15,9 (5/8)	9,5 (3/8)	2,80	40
	RAV-SM1403AT-E	12,5/14,0	50	30	30	15,9 (5/8)	9,5 (3/8)	2,80	40
	RAV-SM1603AT-E	14,0/16,0	50	30	30	15,9 (5/8)	9,5 (3/8)	3,10	40
DI	RAV-SM2243AT8-E	20,0/22,4	70	30	30	25,4 (1)	12,7 (1/2)	n/a	-
	RAV-SM2803AT8-E	25,0/28,0	70	30	30	15,9 (5/8)	9,5 (3/8)	n/a	-
Super Dig. Inv.	RAV-SP564AT-E	5,3/5,6	50	30	20	12,7 (1/2)	6,4 (1/4)	n/a	20
	RAV-SP804AT-E	7,1/8,0	50	30	30	15,9 (5/8)	9,5 (3/8)	n/a	40
	RAV-SP1104AT-E	10,0/11,2	75	30	30	15,9 (5/8)	9,5 (3/8)	3,1	40
	RAV-SP1404AT-E	12,5/14,0	75	30	30	15,9 (5/8)	9,5 (3/8)	3,1	40

* when connecting RAS-M10 respect. RAS-M13 indoor units

** when connecting RAS-M16 indoor units

ADDITIONAL INFORMATION

	Type	Cooling/ Heating [kW]	Power supply		Electr. wire ID/OD [mm ²]	Remote control IR/ [mm ²]
			Power supply	Fuse (tr.) [V/A]		
RAS Fix Drehzahl	RAS-10SA-ES	2,7	Indoor unit	230 / 10	3 x 1,5	IR
	RAS-13SA-ES	3,7	Indoor unit	230 / 10	3 x 1,5	IR
	RAS-18SA-ES	5,3	Outdoor unit	230 / 16	4 x 1,5	IR
	RAS-24SA-ES	6,8	Outdoor unit	230 / 20	4 x 1,5	IR
	RAS-10S2AH-ES	2,7/2,9	Indoor unit	230 / 10	5 x 1,5	IR
	RAS-13S2AH-ES	3,7/4,2	Indoor unit	230 / 10	5 x 1,5	IR
	RAS-18S2AH-ES	5,0/5,5	Outdoor unit	230 / 16	4 x 1,5	IR
	RAS-24S2AH-ES	6,4/6,8	Outdoor unit	230 / 20	4 x 1,5	IR
RAS Inverter	RAS-10SAV-E	2,5/3,2	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-13SAV-E	3,5/4,2	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-16SAV-E	4,5/5,3	Outdoor unit	230 / 16	4 x 1,5	IR
	RAS-18SAV-E	5,0/5,8	Outdoor unit	230 / 16	4 x 1,5	IR
	RAS-22SAV-E	6,0/7,0	Outdoor unit	230 / 16	4 x 1,5	IR
	RAS-10SAVR-E	2,5/3,2	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-13SAVR-E	3,5/4,2	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-16SAVR-E	4,5/5,5	Outdoor unit	230 / 16	4 x 1,5	IR
	RAS-10SAVP-E(ND)	2,5/3,2	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-13SAVP-E(ND)	3,5/4,2	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-16SAVP-E(ND)	4,5/5,5	Outdoor unit	230 / 16	4 x 1,5	IR
	RAS-10PAVP-E	2,5/3,0	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-13PAVP-E	3,5/4,0	Outdoor unit	230 / 10	4 x 1,5	IR
	RAS-16PAVP-E	4,5/5,5	Outdoor unit	230 / 16	4 x 1,5	IR
RAS Multi Inverter	RAS-M14GACV-E RAS-M14GAV-E	4,0 4,0/4,4	Outdoor unit	230 / 10	per 4 x 1,5	IR
	RAS-M18GACV-E RAS-M18GAV-E	5,2 5,2/6,7	Outdoor unit	230 / 10	per 4 x 1,5	IR
	RAS-3M23GACV-E	6,7	Outdoor unit	230 / 16	per 4 x 1,5	IR
	RAS-3M26GAV-E	7,5/9,0	Outdoor unit	230 / 16	per 4 x 1,5	IR
	RAS-4M27GACV-E RAS-4M27GAV-E	8,0 8,0/9,0	Outdoor unit	230 / 16	per 4 x 1,5	IR
Digital Inverter	RAV-SM563AT-E	5,3/5,6	Outdoor unit	230 / 10	4 x 1,5	2x 0,75/ IR
	RAV-SM803AT-E	7,1/8,0	Outdoor unit	230 / 16	4 x 1,5	2x 0,75/ IR
	RAV-SM1103AT-E	10,0/11,2	Outdoor unit	230 / 20	4 x 1,5	2x 0,75/ IR
	RAV-SM1403AT-E	12,3/14,0	Outdoor unit	230 / 25	4 x 1,5	2x 0,75/ IR
	RAV-SM1603AT-E	14,0/16,0	Outdoor unit	230 / 32	4 x 1,5	2x 0,75/ IR
DI Big	RAV-SM2243AT8-E	20,0/22,5	Outdoor unit	n/a	-	2x 0,75/ IR
	RAV-SM2803AT8-E	25,0/28,0	Outdoor unit	n/a	-	2x 0,75/ IR
Super Dig. Inv.	RAV-SP564AT-E	5,3/5,6	Outdoor unit	230 / 10	4 x 1,5	2x 0,75/ IR
	RAV-SP804AT-E	7,1/8,0	Outdoor unit	230 / 16	4 x 1,5	2x 0,75/ IR
	RAV-SP1104AT-E	10,0/11,2	Outdoor unit	230 / 20	4 x 1,5	2x 0,75/ IR
	RAV-SP1404AT-E	12,5/14,0	Outdoor unit	230 / 25	4 x 1,5	2x 0,75/ IR

INFORMATION FOR THE INSTALLATION IN SERVER ROOMS

	Models	Official outdoor temperature range limit (accord. to Toshiba specifications)	Low ambient operation	Automatic restart function after power failure
Digital Inverter & Super Digital Inverter	RAV-SM563AT-E RAV-SM803AT-E RAV-SM1103AT-E RAV-SM1403AT-E RAV-SM1603AT-E RAV-SM2243AT8-E RAV-SM2803AT8-E RAV-SP564AT-E RAV-SP804AT-E RAV-SP1104AT-E RAV-SP1404AT-E	Outdoor temperature range Cooling m.: -15°C to +43°C Digital Inverter: Outdoor temperature range Heating m.: -15°C to +15°C Super Digital Inverter and Digital Inverter Big: Outdoor temperature range Heating m.: -20°C to +15°C	Perfect for a cooling operation at low outdoor temperatures, as: <ul style="list-style-type: none"> Low ambient kit is included Oil heater is included Cooling also possible with below -15°C outside temperature respect. unit does not switch off. Take care for wind protection! For the inside room air moistening might be necessary.	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate: <ul style="list-style-type: none"> Hi-wall, Cassette, Duct, Ceiling: Change in the DN Code menu of the remote control the value of line 28 from „0“ to „1“ Flexi: Press for 3 seconds „Temporary“ button at the indoor unit (in front beside the LED's)
RAS Fix Speed Cooling & RAS Fix Speed 10/13 Heat pump	RAS-10SKP-ES/SA-ES RAS-13SKP-ES/SA-ES RAS-18SKP-ES/SA-ES RAS-24SKP-ES/SA-ES RAS-10SKHP-ES/S2AH-ES RAS-13SKHP-ES/S2AH-ES RAS-18GFP-ES2/GA-ES2 RAS-24GFP-ES2/GA-ES2	Outdoor temperature range Cooling m.: +15°C to +43°C Outdoor temperature range Heating m.: -10°C to +24°C	Following measures/ modules are necessary to enable a cooling operation at low outdoor temperatures: <ul style="list-style-type: none"> Installation of the low ambient kit (LA5) Installation of an oil heater For the inside room air moistening might be necessary.	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate press the “Reset” button at the indoor unit for 3 seconds (behind the inlet grill assy)
RAS Fix Speed 18/24 Heat Pump	RAS-18SKHP-ES2/S2AH-ES RAS-24SKHP-ES2/S2AH-ES RAS-18GFHP-ES2/GAH-ES2 RAS-24GFHP-ES2/GAH-ES2	Outdoor temperature range Cooling m.: +15°C to +43°C Outdoor temperature range Heating m.: -10°C to +24°C	Unsuitable for a cooling operation at low outdoor temperatures. (The low ambient kit LA5 can not be used due to the special outdoor unit ventilation control.)	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate press the “Reset” button at the indoor unit for 3 seconds (behind the inlet grill assy respect. in front beside the LED's)
RAS Inverter Single	RAS-10SKV-E/SAV-E	Outdoor temperature range Cooling m.: +15°C to +43°C Outdoor temperature range Heating m.: -10°C to +24°C	Unsuitable for a cooling operation at low outdoor temperatures. (The low ambient kit LA5 can not be used due to the special outdoor unit ventilation control.)	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate press the “Reset” button at the indoor unit for 3 seconds (behind the inlet grill assy)
RAS Inverter Single	RAS-13SKV-E/SAV-E RAS-16SKV-E/SAV-E RAS-18SKV-E/SAV-E RAS-22SKV-E/SAV-E RAS-10SKVR-E/SAVR-E RAS-13SKVR-E/SAVR-E RAS-16SKVR-E/SAVR-E RAS-18SKVR-E/SAV-E RAS-22SKVR-E/SAV-E	Outdoor temperature range Cooling m.: -10°C to +43°C Outdoor temperature range Heating m.: -15°C to +24°C	Unsuitable for a cooling operation at low outdoor temperatures, as the unit switches off at an outside temperature of approx. -10°C! Note: <ul style="list-style-type: none"> Cooling possible until -10°C (The low ambient kit LA5 is not compatible) Oil heater included 	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate press the “Reset” button at the indoor unit for 3 seconds (behind the inlet grill assy)
RAS Inverter Single	RAS-B10SKVP-E/SAVP-E RAS-B13SKVP-E/SAVP-E RAS-B16SKVP-E/SAVP-E RAS-10SKVP-ND/SAVP-ND RAS-13SKVP-ND/SAVP-ND RAS-16SKVP-ND/SAVP-ND RAS-10PKVP-E/PAVP-E RAS-13PKVP-E/PAVP-E RAS-16PKVP-E/PAVP-E	Outdoor temperature range Cooling m.: -10°C to +46°C Outdoor temperature range Heating m.: -15°C to +24°C	Unsuitable for a cooling operation at low outdoor temperatures. Note: <ul style="list-style-type: none"> Cooling possible until -10°C (The low ambient kit LA5 is not compatible) Oil heater included 	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate press the “Reset” button at the indoor unit for 3 seconds (behind the inlet grill assy)
RAS Inverter Multi	RAS-M14GACV-E RAS-M14GAV-E RAS-M18GACV-E RAS-M18GAV-E	Outdoor temperature range Cooling m.: +5°C to +43°C Outdoor temperature range Heating m.: -10°C to +24°C	Unsuitable for a cooling operation at low outdoor temperatures, as the unit switches off at an outside temperature of approx. -5°C! Note: <ul style="list-style-type: none"> Cooling possible until -5°C (The low ambient kit LA5 is not compatible) Oil heater included 	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate press the “Temporary” button at the indoor units for 3 seconds (behind the inlet grill assy)
RAS Inverter Multi	RAS-3M23GACV-E RAS-3M26GAV-E RAS-4M27GACV-E RAS-4M27GAV-E	Outdoor temperature range Cooling m.: +10°C to +43°C Outdoor temperature range Heating m.: -5°C to +24°C	Unsuitable for a cooling operation at low outdoor temperatures, as the unit switches off at an outside temperature of approx. -5°C! Note: <ul style="list-style-type: none"> Cooling possible until -5°C (The low ambient kit LA5 is not compatible) Oil heater included 	<ul style="list-style-type: none"> Included – selective type (not activated through factory) To activate press the “Temporary” button at the indoor units for 3 seconds (behind the inlet grill assy)

Digital Inverter Hi-wall

- Attractive design
- Active air purification (Super Oxi-Deo and Super-Sterilizer filter)
- Wireless remote control included
- Low noise level, 3-stage fan
- Automatic restart function after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Digital Inverter Hi-wall (IR control included, TCC-Link remote control optional)									
RAV-SM562KRT-E	5,1	5,6	C/C	298/998/221	1,74	1,70	54	550,--	1.860,--
RAV-SM563AT-E	(1,5-5,6)	(1,5-6,3)		550/780/290			65	1.310,--	
RAV-SM802KRT-E	6,7	8,0	E/D	298/998/221	2,72	2,67	60	560,--	2.250,--
RAV-SM803AT-E	(1,5-8,0)	(1,5-9,0)		550/780/290			67	1.690,--	

Super Digital Inverter Hi-wall

- Attractive design
- Active air purification (Super Oxi-Deo and Super-Sterilizer filter)
- Wireless remote control included
- Low noise level, 3-stage fan
- Automatic restart function after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Super Digital Inverter Hi-wall (IR control included, TCC-Link remote control optional)									
RAV-SM562KRT-E	5,0	5,6	A/A	298/998/221	1,56	1,55	54	550,--	2.180,--
RAV-SP564AT-E	(1,2-5,6)	(0,9-7,3)		550/780/290			64	1.630,--	
RAV-SM802KRT-E	6,9	8,0	C/C	298/998/221	2,88	2,40	60	560,--	2.640,--
RAV-SP804AT-E	(1,9-8,0)	(1,3-10,6)		890/900/290			65	2.080,--	

Digital Inverter Flexi

- Unobtrusive installation
- Wide application range: installation as ceiling or hi-wall unit possible



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Digital Inverter Flexi									
RAV-SM562XT-E	5,0	5,6	D/C	208/1093/633	1,87	1,70	58	730,--	2.040,--
RAV-SM563AT-E	(1,5-5,6)	(1,5-6,3)		550/780/290			65	1.310,--	
RAV-SM802XT-E	6,7	8,0	E/D	208/1093/633	2,72	2,67	61	780,--	2.470,--
RAV-SM803AT-E	(1,5-7,0)	(1,5-9,0)		550/780/290			67	1.690,--	

Digital Inverter Ceiling

- Compact design – only 210 mm high
- Low sound level
- Fresh air supply possible
- Automatic restart function after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Digital Inverter Ceiling									
RAV-SM562CT-E	5,0 (1,5-5,6)	5,6 (1,5-6,3)	D/B	210/910/680	1,82	1,64	51	1.000,--	2.410,--
RAV-SM563AT-E									
RBC-AMT32E									
RAV-SM802CT-E	7,0 (1,5-7,4)	8,0 (1,5-9,0)	D/C	210/1180/680	2,53	2,47	53	1.130,--	2.920,--
RAV-SM803AT-E									
RBC-AMT32E									
RAV-SM1102CT-E	10,0 (3,0-11,2)	11,2 (3,0-12,5)	C/B	210/1595/680	3,51	3,20	56	1.270,--	3.530,--
RAV-SM1103AT-E									
RBC-AMT32E									
RAV-SM1402CT-E	12,3 (3,0-13,2)	14,0 (3,0-16,0)	D/C	210/1595/680	4,52	4,14	58	1.530,--	4.020,--
RAV-SM1403AT-E									
RBC-AMT32E									

Super Digital Inverter Ceiling

- Compact design – only 210 mm high
- Low sound level
- Fresh air supply possible
- Automatic restart function after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Super Digital Inverter Ceiling									
RAV-SM562CT-E	5,0 (1,2-5,6)	5,6 (0,9-7,4)	A/A	210/910/680	1,56	1,47	51	1.000,--	2.730,--
RAV-SP564AT-E									
RBC-AMT32E									
RAV-SM802CT-E	7,1 (1,9-8,0)	8,0 (1,3-10,6)	A/A	210/1180/680	2,10	2,16	53	1.130,--	3.310,--
RAV-SP804AT-E									
RBC-AMT32E									
RAV-SM1102CT-E	10,0 (3,0-12,0)	11,2 (3,0-13,0)	A/A	210/1595/680	2,67	2,62	56	1.270,--	4.000,--
RAV-SP1104AT-E									
RBC-AMT32E									
RAV-SM1402CT-E	12,5 (3,0-14,0)	14,0 (3,0-16,5)	A/A	210/1595/680	3,73	3,65	58	1.530,--	4.550,--
RAV-SP1404AT-E									
RBC-AMT32E									

Accessories: RAV Ceiling units

Type		Single price excl. VAT [EUR]
TCB-DP22CE2	Drain pump with a lift height of 600 mm, measured from the bottom edge of the unit	250,--
TCB-KP12CE2	Elbow piping kit (Size 562)	80,--
TCB-KP22CE2	Elbow piping kit (Size 802, 1102, 1402)	95,--

Digital Inverter Duct

- Wide application range
- Suitable for an installation in any suspended ceiling
- Combination with ventilation system possible
- Fresh air supply possible
- Drain pump with a lift height of 290 mm included
- Automatic restart function after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price [EUR]
	Cooling	Heating			Cooling	Heating			
Digital Inverter Duct									
RAV-SM562BT-E	5,0 (1,5-5,6)	5,6 (1,5-6,3)	C/C	320/700/800	1,78	1,71	55	1.060,--	2.470,--
RAV-SM563AT-E				550/780/290			65		
RBC-AMT32E				-			-		
RAV-SM802BT-E	7,1 (1,5-7,4)	8,0 (1,5-9,0)	C/C	320/1000/800	2,53	2,41	55	1.220,--	3.010,--
RAV-SM803AT-E				550/780/290			67		
RBC-AMT32E				-			-		
RAV-SM1102BT-E	10,0 (3,0-11,2)	11,2 (3,0-12,5)	C/B	320/1350/800	3,56	3,14	57	1.510,--	3.770,--
RAV-SM1103AT-E				795/900/320			71		
RBC-AMT32E				-			-		
RAV-SM1402BT-E	12,5 (3,0-13,2)	14,0 (3,0-16,0)	C/B	320/1350/800	4,42	4,03	59	1.550,--	4.040,--
RAV-SM1403AT-E				795/900/320			71		
RBC-AMT32E				-			-		

Super Digital Inverter Duct

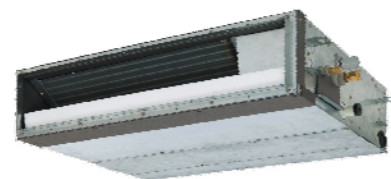
- Wide application range
- Suitable for an installation in any suspended ceiling
- Combination with ventilation system possible
- Fresh air supply possible
- Drain pump with a lift height of 290 mm included
- Automatic restart function after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price [EUR]
	Cooling	Heating			Cooling	Heating			
Super Digital Inverter Duct									
RAV-SM562BT-E	5,0 (1,2-5,6)	5,6 (0,9-7,4)	A/A	320/700/800	1,56	1,55	55	1.060,--	2.790,--
RAV-SP564AT-E				550/780/290			64		
RBC-AMT32E				-			-		
RAV-SM802BT-E	7,1 (1,9-8,0)	8,0 (1,3-10,6)	A/A	320/1000/800	2,21	2,21	55	1.220,--	3.400,--
RAV-SP804AT-E				890/900/290			65		
RBC-AMT32E				-			-		
RAV-SM1102BT-E	10,0 (3,0-12,0)	11,2 (3,0-13,0)	A/A	320/1350/800	2,94	2,77	57	1.510,--	4.240,--
RAV-SP1104AT-E				1340/900/320			66		
RBC-AMT32E				-			-		
RAV-SM1402BT-E	12,5 (3,0-14,0)	14,0 (3,0-16,5)	A/A	320/1350/800	3,83	3,41	59	1.550,--	4.570,--
RAV-SP1404AT-E				1340/900/320			68		
RBC-AMT32E				-			-		

Digital Inverter Ultra-Slim Duct

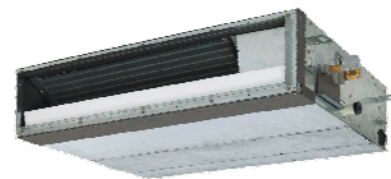
- Compact design – height of only 210 mm
- Suitable for an installation in any suspended ceiling
- Energy-saving function mode
- Drain pump with a lift height of 850 mm included
- Automatic restart after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Digital Inverter Ultra-Slim Duct									
RAV-SM564SDT-E	5,0	5,6	B/B	210/845/645	1,66	1,59	60	1.090,--	2.500,--
RAV-SM563AT-E	(1,5-5,6)	(1,5-6,3)		550/780/290			63	1.310,--	
RBC-AMT32E				-			-	100,--	

Super Digital Inverter Ultra-Slim Duct

- Compact design – height of only 210 mm
- Suitable for an installation in any suspended ceiling
- Energy-saving function mode
- Drain pump with a lift height of 850 mm included
- Automatic restart after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
Super Digital Inverter Ultra-Slim Duct									
RAV-SM564SDT-E	5,0	5,6	A/A	210/845/645	1,56	1,44	60	1.090,--	2.820,--
RAV-SP564AT-E	(1,2-5,6)	(0,9-7,4)		550&780&290			64	1.630,--	
RBC-AMT32E				-			-	100,--	

Valve kit – Digital Inverter, Super Digital Inverter

- Plug-in kit with PC board, transformer, terminal strip and installation manual
- Remote control RBC-AMT32E has to be ordered separately

Type	Single price excl. VAT [EUR]
DI-Valve kit	Cooling and heating mode for all Super Digital and Digital Inverter 2.000,--

Digital Inverter 4-Way-Cassette

- Choice of 2 panels
- Fresh-air supply possible, drain pump included
- Deodorising Ag+ion tip
- Automatic restart



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price	
	Cooling	Heating			Cooling	Heating				
Digital Inverter Cassette										
RAV-SM564UT-E				256/840/840			47	940,--	2.630,--	
RBC-U31PG(W)-E	5,3	5,6	A/A	30/950/950	1,65	1,44	-	280,--		
RAV-SM563AT-E	(1,5-5,6)	(1,5-6,3)		550/780/290			65	1.310,--		
RBC-AMT32E				-			-	100,--		
RAV-SM804UT-E				256/840/840			50	1.090,--	3.160,--	
RBC-U31PG(W)-E	6,7	8,0	A/A	30/950/950	2,09	2,21	-	280,--		
RAV-SM803AT-E	(1,5-7,4)	(1,5-9,0)		550/780/290			67	1.690,--		
RBC-AMT32E				-			-	100,--		
RAV-SM1104UT-E				319/840/840			58	1.350,--	3.890,--	
RBC-U31PG(W)-E	10,0	11,2	A/A	30/950/950	3,11	2,93	-	280,--		
RAV-SM1103AT-E	(3,0-11,2)	(3,0-13,0)		795/900/320			71	2.160,--		
RBC-AMT32E				-			-	100,--		
RAV-SM1404UT-E				319/840/840			59	1.500,--	4.270,--	
RBC-U31PG(W)-E	12,3	14,0	A/A	30/950/950	3,74	3,80	-	280,--		
RAV-SM1403AT-E	(3,0-13,2)	(3,0-16,0)		795/900/320			71	2.390,--		
RBC-AMT32E				-			-	100,--		
RAV-SM1604UT-E				319/840/840			60	1.650,--	4.890,--	
RBC-U31PG(W)-E	14,0	16,0	B/A	30/950/950	4,49	4,43	-	280,--		
RAV-SM1603AT-E				1340/500/320			70	2.860,--		
RBC-AMT32E				-			-	100,--		
RBC-U31PG(W)-E	Panel for wide air flow								280,--	
RBC-U31PGS(W)-E	Panel for straight air flow								310,--	

Suitable for 4-Way-Cassette

Super Digital Inverter 4-Way-Cassette

- Choice of 2 panels
- Deodorising Ag+ ion tip, fresh-air supply possible
- Drain pump included
- Automatic restart after power failure

Super Digital Inverter Cassette									
RAV-SM564UT-E				256/840/840			47	940,--	2.950,--
RBC-U31PG(W)-E	5,3	5,6	A/A	30/950/950	1,47	1,21	-	280,--	
RAV-SP564AT-E	(1,2-5,6)	(0,9-8,1)		550/780/290			64	1.630,--	
RBC-AMT32E				-			-	100,--	
RAV-SM804UT-E				256/840/840			50	1.090,--	3.550,--
RBC-U31PG(W)-E	7,1	8,0	A/A	30/950/950	1,86	1,91	-	280,--	
RAV-SP804AT-E	(1,9-8,0)	(1,3-11,3)		890/900/290			65	2.080,--	
RBC-AMT32E				-			-	100,--	
RAV-SM1104UT-E				319/840/840			58	1.350,--	4.360,--
RBC-U31PG(W)-E	10,0	11,2	A/A	30/950/950	2,21	2,34	-	280,--	
RAV-SP1104AT-E	(3,0-12,0)	(3,0-13,0)		1340/900/320			66	2.630,--	
RBC-AMT32E				-			-	100,--	
RAV-SM1404UT-E				319/840/840			59	1.500,--	4.800,--
RBC-U31PG(W)-E	12,5	14,0	A/A	30/950/950	3,16	3,21	-	280,--	
RAV-SP1404AT-E	(3,0-14,0)	(3,0-16,5)		1340/900/320			68	2.920,--	
RBC-AMT32E				-			-	100,--	

Digital Inverter 60x60 Cassette

- Compact design: suitable for all euro-grid ceilings
- Only 268 mm high
- 4 air louvers for the best air distribution
- Fresh-air supply possible
- Drain pump included
- Automatic restart after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
60 x 60 euro-grid 4-Way-Cassette									
RAV-SM562MUT-E				268/575/575			58	940,--	2.650,--
RBC-UM11PG(W)-E	5,0	5,6	B/B	27/700/700	1,61	1,61	-	300,--	
RAV-SM563AT-E	(1,5-5,6)	(1,5-6,3)		550/780/290			65	1.310,--	
RBC-AMT32E				-			-	100,--	

Super Digital Inverter 60x60 Cassette

- Compact design: suitable for all euro-grid ceilings
- Only 268 mm high
- 4 air louvers for the best air distribution
- Fresh-air supply possible
- Drain pump included
- Automatic restart after power failure



Type	Capacity [kW]		Energy label C. / H.	Dimensions [mm] [H/W/D]	Power consumption [kW]		Sound power level [dB(A)]	Single price excl. VAT [EUR]	Set price
	Cooling	Heating			Cooling	Heating			
60 x 60 euro-grid 4-Way-Cassette									
RAV-SM562MUT-E				268/575/575			58	940,--	2.970,--
RBC-UM11PG(W)-E	5,0	5,6	A/A	27/700/700	1,56	1,54	-	300,--	
RAV-SP564AT-E	(1,2-5,6)	(0,9-7,4)		550/780/290			64	1.630,--	
RBC-AMT32E				-			-	100,--	

Super Digital Inverter – Outdoor units series 2

- Deliverable while stocks last

Type	Capacity [kW]		Dimensions [mm] [H/W/D]	Sound power level [dB(A)]	Single price excl. VAT [EUR]
	Cooling	Heating			
S-DI Outdoor units					
RAV-SP562AT-E	5,0	5,6	795/900/320	64	1.630,--
RAV-SP802AT-E	7,1	8,0	795/900/320	66	2.080,--
RAV-SP1102AT-E	10,0	11,2	1340/900/320	68	2.630,--
RAV-SP1402AT-E	12,5	14,0	1340/900/320	71	2.920,--

VRF SYSTEMS

MiNi-Super Multi System (MiNi S-MMS)

- 2-pipe heat pump system with a very high COP of up to 4,29
- 3 compact outdoor units are available from 12,1 to 15,5 kW
- Depending on the capacity of the outdoor and indoor units 6, 8 or 9 indoor units can be connected

Super Heat Recovery System (S-HRM)

- 3-pipe system which enables simultaneous and independent cooling and heating
- Very high energy efficiency (EER to 3,7 / COP up to 4,0)
- Capacity range: 8 to 30 HP

Super Modular Multi System (S-MMS)

- 2-pipe system in cooling or heat pump version
- Capacity range: 14 kW (5 HP) to 135 kW (48 HP); outdoor units with 5, 6, 8, 10 and 12 HP
- Up to 48 indoor units can be connected



Overview of indoor units	2,2	2,8	3,6	4,5	5,6	7,1	8,0	9,0	11,2	14,0	16,0	22,4	28,0
	✓	✓	✓	✓	✓	✓							
	✓	✓	✓										
	✓	✓	✓	✓	✓	✓							
	✓	✓	✓	✓	✓	✓	✓	✓					
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓								
				✓	✓	✓	✓		✓	✓			
					✓	✓	✓		✓	✓		✓	✓
	✓	✓	✓	✓	✓	✓							
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
										✓		✓	✓
	✓	✓	✓	✓	✓	✓							
	✓	✓	✓	✓	✓	✓							

Super Modular Multi System

Outdoor units – Cooling only



Type	Capacity			Dimensions (H/W/D) [mm]	Weight [kg]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	[kW] Cooling	Heating	HP Code				
Outdoor unit „Cooling only“							
MMY-MAP0501T8-E *	14,0	---	5	1800/990/750	227	55	7.200,--
MMY-MAP0601T8-E *	16,0	---	6	1800/990/750	227	56	8.000,--
MMY-MAP0801T8-E	22,4	---	8	1800/990/750	256	57	8.600,--
MMY-MAP1001T8-E	28,0	---	10	1800/990/750	256	58	9.480,--
MMY-MAP1201T8-E	33,5	---	12	1800/990/750	256	59	11.100,--

* No stock article: Delivery time on request!

Outdoor units -series „Cooling only“

Cooling capacity (HP-equivalent)	Heating capacity	Model name	Number of outdoor units	Max. number of 1/d units		Price [EUR] excl. VAT
14,0 kW (5 HP)	--	MMY-MAP0501T8-E	1	8		7.200,--
16,0 kW (6 HP)	--	MMY-MAP0601T8-E	1	10		8.000,--
22,4 kW (8 HP)	--	MMY-MAP0801T8-E	1	13		8.600,--
28,0 kW (10 HP)	--	MMY-MAP1001T8-E	1	16		9.480,--
33,5 kW (12 HP)	--	MMY-MAP1201T8-E	1	20		11.100,--
38,4 kW (14 HP)	--	MMY-AP1401T8	2 (8+6 HP)	23		16.600,--
45,0 kW (16 HP)	--	MMY-AP1601T8	2 (8+8 HP)	27		17.200,--
50,4 kW (18 HP)	--	MMY-AP1801T8	2 (10+8 HP)	30		18.080,--
56,0 kW (20 HP)	--	MMY-AP2001T8	2 (10+10 HP)	33		18.960,--
61,5 kW (22 HP)	--	MMY-AP2201T8	3 (8+8+6 HP)	37		25.200,--
61,5 kW (22 HP)	--	MMY-AP2211T8	2 (12+10 HP)	37		20.580,--
68,0 kW (24 HP)	--	MMY-AP2401T8	3 (8+8+8 HP)	40		25.800,--
68,0 kW (24 HP)	--	MMY-AP2411T8	2 (12+12 HP)	40		22.200,--
73,0 kW (26 HP)	--	MMY-AP2601T8	3 (10+8+8 HP)	43		26.680,--
78,5 kW (28 HP)	--	MMY-AP2801T8	3 (10+10+8 HP)	47		27.560,--
84,0 kW (30 HP)	--	MMY-AP3001T8	3 (10+10+10 HP)	48		28.440,--
90,0 kW (32 HP)	--	MMY-AP3201T8	4 (8+8+8+8 HP)	48		34.400,--
90,0 kW (32 HP)	--	MMY-AP3211T8	3 (12+10+10 HP)	48		30.060,--
96,0 kW (34 HP)	--	MMY-AP3401T8	4 (10+8+8+8 HP)	48		35.280,--
96,0 kW (34 HP)	--	MMY-AP3411T8	3 (12+12+10 HP)	48		31.680,--
101,0 kW (36 HP)	--	MMY-AP3601T8	4 (10+10+8+8 HP)	48		36.160,--
101,0 kW (36 HP)	--	MMY-AP3611T8	3 (12+12+12 HP)	48		33.300,--
106,5 kW (38 HP)	--	MMY-AP3801T8	4 (10+10+10+8 HP)	48		
112,0 kW (40 HP)	--	MMY-AP4001T8	4 (10+10+10+10 HP)	48	37.920,--	
118,0 kW (42 HP)	--	MMY-AP4201T8	4 (12+10+10+10 HP)	48	39.540,--	
123,5 kW (44 HP)	--	MMY-AP4401T8	4 (12+12+10+10 HP)	48	41.160,--	
130,0 kW (46 HP)	--	MMY-AP4601T8	4 (12+12+12+10 HP)	48	42.780,--	
135,0 kW (48 HP)	--	MMY-AP4801T8	4 (12+12+12+12 HP)	48	44.400,--	

Super Modular Multi System

Outdoor units – Heat pump



Type	Capacity			Dimensions (H/W/D) [mm]	Weight [kg]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating	HP Code				
Outdoor units „Heat pump“							
MMY-MAP0501HT8-E *	14,0	16,0	5	1800/990/750	227	55	7.400,--
MMY-MAP0601HT8-E *	16,0	18,0	6	1800/990/750	227	56	8.300,--
MMY-MAP0801HT8-E	22,4	25,0	8	1800/990/750	256	57	9.050,--
MMY-MAP1001HT8-E	28,0	31,5	10	1800/990/750	256	58	9.800,--
MMY-MAP1201HT8-E	33,5	37,5	12	1800/990/750	256	59	11.600,--

* No stock article: Delivery time on request!

Outdoor units – series „Heat pump“

Cooling capacity (HP-equivalent)	Heating capacity	Model name	Number of outdoor units	Max. number of i/d units		Price [EUR] excl. VAT
14,0 kW (5 HP)	16,0 kW	MMY-MAP0501HT8-E	1	8		7.400,--
16,0 kW (6 HP)	18,0 kW	MMY-MAP0601HT8-E	1	10		8.300,--
22,4 kW (8 HP)	25,0 kW	MMY-MAP0801HT8-E	1	13		9.050,--
28,0 kW (10 HP)	31,5 kW	MMY-MAP1001HT8-E	1	16		9.800,--
33,5 kW (12 HP)	37,5 kW	MMY-MAP1201HT8-E	1	20		11.600,--
38,4 kW (14 HP)	43,0 kW	MMY-AP1401HT8	2 (8+6 HP)	23		17.350,--
45,0 kW (16 HP)	50,0 kW	MMY-AP1601HT8	2 (8+8 HP)	27		18.100,--
50,4 kW (18 HP)	56,5 kW	MMY-AP1801HT8	2 (10+8 HP)	30		18.850,--
56,0 kW (20 HP)	63,0 kW	MMY-AP2001HT8	2 (10+10 HP)	33		19.600,--
61,5 kW (22 HP)	69,0 kW	MMY-AP2201HT8	3 (8+8+6 HP)	37		26.400,--
61,5 kW (22 HP)	69,0 kW	MMY-AP2211HT8	2 (12+10 HP)	37		21.400,--
68,0 kW (24 HP)	76,5 kW	MMY-AP2401HT8	3 (8+8+8 HP)	40		27.150,--
68,0 kW (24 HP)	76,5 kW	MMY-AP2411HT8	2 (12+12 HP)	40	23.200,--	
73,0 kW (26 HP)	81,5 kW	MMY-AP2601HT8	3 (10+8+8 HP)	43		27.900,--
78,5 kW (28 HP)	88,0 kW	MMY-AP2801HT8	3 (10+10+8 HP)	47		28.650,--
84,0 kW (30 HP)	95,0 kW	MMY-AP3001HT8	3 (10+10+10 HP)	48		29.400,--
90,0 kW (32 HP)	100,0 kW	MMY-AP3201HT8	4 (8+8+8+8 HP)	48		36.200,--
90,0 kW (32 HP)	100,0 kW	MMY-AP3211HT8	3 (12+10+10 HP)	48		31.200,--
96,0 kW (34 HP)	108,0 kW	MMY-AP3401HT8	4 (10+8+8+8 HP)	48		36.950,--
96,0 kW (34 HP)	108,0 kW	MMY-AP3411HT8	3 (12+12+10 HP)	48		33.000,--
101,0 kW (36 HP)	113,0 kW	MMY-AP3601HT8	4 (10+10+8+8 HP)	48		37.700,--
101,0 kW (36 HP)	113,0 kW	MMY-AP3611HT8	3 (12+12+12 HP)	48		34.800,--
106,5 kW (38 HP)	119,5 kW	MMY-AP3801HT8	4 (10+10+10+8 HP)	48		38.450,--
112,0 kW (40 HP)	126,5 kW	MMY-AP4001HT8	4 (10+10+10+10 HP)	48		39.200,--
118,0 kW (42 HP)	132,0 kW	MMY-AP4201HT8	4 (12+10+10+10 HP)	48		41.000,--
123,5 kW (44 HP)	138,0 kW	MMY-AP4401HT8	4 (12+12+10+10 HP)	48		42.800,--
130,0 kW (46 HP)	145,0 kW	MMY-AP4601HT8	4 (12+12+12+10 HP)	48		44.600,--
135,0 kW (48 HP)	150,0 kW	MMY-AP4801HT8	4 (12+12+12+12 HP)	48		46.400,--

Mini S-MMS

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



Type	Capacity			Dimensions (H/W/D) [mm]	Weight [kg]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating	HP Code				
Outdoor units Mini S-MMS							
MCY-MAP0401HT ¹⁾	12,1	12,5	4	1340/900/320	117	50	4.700,--
MCY-MAP0501HT ²⁾	14,0	16,0	5	1340/900/320	117	52	4.900,--
MCY-MAP0601HT ³⁾	15,5	18,0	6	1340/900/320	117	53	5.400,--

¹⁾ max. 6 indoor units ²⁾ max. 8 indoor units ³⁾ max. 9 indoor units



ACCESSORIES optional: PMV-KIT

RBM-PMV0361E	Optional valve kit for special quiet operation; indoor units: 007, 009, 012	240,--
RBM-PMV0901E	Optional valve kit for special quiet operation; indoor units: 015, 018, 024	270,--

Super-Heat Recovery Multi System (S-HRM)

Outdoor units

- 3-pipe heat recovery system
- Simultaneous cooling and heating
- Indoor units and control systems for S-HRM are the same as for S-MMS systems



Type	Capacity			Dimensions (H/W/D) [mm]	Weight [kg]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating	HP Code				
Outdoor units S-HRM							
MMY-MAP0802FT8	22,4	25,0	8	1800/990/750	263	57	11.300,--
MMY-MAP1002FT8	28,0	31,5	10	1800/990/750	263	58	12.700,--
MMY-MAP1202FT8	33,5	37,5	12	1800/990/750	263	59	15.300,--



S-HRM Flow Selectors

Type	Connectable indoor units:	Dimensions (H/W/D) [mm]	Weight [kg]	Single price [EUR] excl. VAT
RBM-Y1122FE	007 to 030	190/250/160	5	650,--
RBM-Y1802FE	036 to 056	190/250/160	5	700,--
RBM-Y2802FE	072 to 096	200/377/200	8	1.200,--

VRF Compact Hi-wall – series 3

- New, modern design with a flat panel
- Same dimensions for all types
- New wireless remote control included



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	[kW]		HP Code				
	Cooling	Heating					
Compact Hi-wall							
MMK-AP0073H	2,2	2,5	0,8	320/1050/228	108/125/158	35	1.070,--
MMK-AP0093H	2,8	3,2	1	320/1050/228	108/133/167	37	1.090,--
MMK-AP0123H	3,6	4,0	1,25	320/1050/228	108/133/167	37	1.120,--
MMK-AP0153H	4,5	5,0	1,7	320/1050/228	150/183/233	41	1.190,--
MMK-AP0183H	5,6	6,3	2,0	320/1050/228	150/183/233	41	1.220,--
MMK-AP0243H	7,1	8,0	2,5	320/1050/228	158/208/283	46	1.240,--

VRF Compact Hi-wall

- Modern design
- Compact dimensions
- Wireless remote control with 25-hours timer (WH-H2UE) included



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	[kW]		HP Code				
	Cooling	Heating					
Compact Hi-wall – Phase-out model							
MMK-AP0072H	2,2	2,5	0,8	275/790/208	100/117/133	29/32/35	990,--
MMK-AP0092H	2,8	3,2	1	275/790/208	100/125/142	29/33/36	1.010,--
MMK-AP0122H	3,6	4,0	1,25	275/790/208	100/125/150	29/32/37	1.040,--

VRF Hi-wall – Phase-out model

- Elegant appearance
- Easy installation, assisting pipes included
- Deliverable while stocks last



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	[kW]		HP Code				
	Cooling	Heating					
Hi-wall - Phase-out model * deliverable while stocks last							
MMK-AP0151H	4,5	5,0	1,7	368/1055/210	167/183/217	35/38/42	990,--
MMK-AP0181H	5,6	6,3	2	368/1055/210	167/183/217	35/38/42	1.020,--
MMK-AP0241H	7,1	8,0	2,5	368/1430/210	250/283/333	35/38/42	1.080,--

VRF Ceiling

- Low construction height, easy installation
- Refrigerant pipes can be installed from the rear, right or the top side of the unit
- Drain pipes can be installed in a choice of two directions
- Wireless remote control kit respect. drain pump optional



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	[kW] Cooling	[kW] Heating	HP Code				
Ceiling models							
MMC-AP0151H	4,5	5,0	1,7	210/910/680	150/167/200	30/32/35	1.490,--
MMC-AP0181H	5,6	6,3	2	210/910/680	150/183/217	30/33/36	1.550,--
MMC-AP0241H	7,1	8,0	2,5	210/1180/680	233/250/308	33/36/38	1.630,--
MMC-AP0271H	8,0	9,0	3	210/1180/680	233/250/308	33/36/38	1.730,--
MMC-AP0361H	11,2	12,5	4	210/1595/680	333/383/458	35/38/41	1.920,--
MMC-AP0481H	14,0	16,0	5	210/1595/680	367/433/500	37/40/43	2.150,--

Drain pump

TCB-DP22CE2	Lift 600 mm, measured from the bottom edge of the unit						250,--
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Elbow piping kit

TCB-KP12CE2	MMC-AP0151/0181H						80,--
TCB-KP22CE2	MMC-AP0241-0481H						95,--

VRF Slim Duct

- Only 230 mm high
- Drain pump with a lift height of 850 mm included (measured from the bottom edge of the unit)
- Air supply from below respect. from behind possible; filter for a rear air supply included



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	[kW] Cooling	[kW] Heating	HP Code				
Slim Duct							
MMD-AP0071SPH	2,2	2,5	0,8	210/845/645	150	27/32	1.320,--
MMD-AP0091SPH	2,8	3,2	1	210/845/645	150	28/32	1.360,--
MMD-AP0121SPH	3,6	4,0	1,25	210/845/645	175	29/33	1.420,--
MMD-AP0151SPH	4,5	5,0	1,7	210/845/645	192	29/33	1.490,--
MMD-AP0181SPH	5,6	6,3	2	210/845/645	217	30/34	1.570,--

VRF Standard Duct

- Easy installation in suspended ceilings through a low construction height of only 320 mm
- Possible to connect to fresh air intake; filter for a rear air intake included
- Drain pump with a lift height of 550 mm included (measured from the bottom edge of the unit)



Standard Duct							
Type	[kW] Cooling	[kW] Heating	HP Code	Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
MMD-AP0071BH	2,2	2,5	0,8	320/550/800	94/117/133	26/28/30	1.360,--
MMD-AP0091BH	2,8	3,2	1	320/550/800	94/117/133	26/28/30	1.390,--
MMD-AP0121BH	3,6	4,0	1,25	320/550/800	111/136/158	27/29/31	1.400,--
MMD-AP0151BH	4,5	5,0	1,7	320/700/800	133/150/181	27/29/31	1.450,--
MMD-AP0181BH	5,6	6,3	2	320/700/800	150/183/217	28/30/32	1.500,--
MMD-AP0241BH	7,1	8,0	2,5	320/1000/800	242/275/317	29/31/33	1.670,--
MMD-AP0271BH	8,0	9,0	3	320/1000/800	242/275/317	29/31/33	1.730,--
MMD-AP0301BH	9,0	10,0	3,2	320/1000/800	242/300/350	29/32/34	1.900,--
MMD-AP0361BH	11,2	12,5	4	320/1350/800	333/392/450	32/34/36	2.070,--
MMD-AP0481BH	14,0	16,0	5	320/1350/800	414/475/550	32/36/38	2.220,--
MMD-AP0561BH	16,0	18,0	6	320/1350/800	414/475/550	32/36/38	2.420,--

VRF High Static Pressure Duct

- External static pressure of up to 196 Pa
- Inspection hole enables easy access and maintenance



High Static Pressure Duct							
MMD-AP0181H	5,6	6,3	2	380/850/660	200/250/300	37	1.960,--
MMD-AP0241H	7,1	8,0	2,5	380/850/660	295/367/439	40	2.150,--
MMD-AP0271H	8,0	9,0	3	380/850/660	295/367/439	40	2.240,--
MMD-AP0361H	11,2	12,5	4	380/850/660	356/444/533	40	2.350,--
MMD-AP0481H	14,0	16,0	5	380/1200/660	467/583/700	40	2.500,--
MMD-AP0721H	22,4	25,0	8	470/1380/1250	800/1000/1200	49	4.940,--
MMD-AP0961H	28,0	31,5	10	470/1380/1250	933/1167/1400	50	5.200,--

VRF Duct with fresh air intake

- Pre-heat and pre-cool function; it is only useable with other VRF-master indoor units!



Duct with fresh air intake							
MMD-AP0481HFE	14	16	5	492/892/1262	300	41/43/45	2.700,--
MMD-AP0721HFE	22,4	25	8	492/1392/1262	467	44/45/46	5.400,--
MMD-AP0961HFE	28	31,5	10	492/1392/1262	583	44/45/46	5.800,--

VRF Compact 4-Way-Cassette (60x60)

- Fits into any euro-grid suspended ceiling
- Drain pump with a lift height of 850 mm included
- Only 270 mm high
- Low sound level



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	[kW] Cooling	[kW] Heating	HP Code				
4-Way-Cassette 60x60							
MMU-AP0071MH	2,2	2,5	0,8	268/575/575	153/128/105	36/32/28	1.300,--
MMU-AP0091MH	2,8	3,2	1	268/575/575	158/130/105	37/33/28	1.400,--
MMU-AP0121MH	3,6	4,0	1,25	268/575/575	165/140/112	37/33/29	1.450,--
MMU-AP0151MH	4,5	5,0	1,7	268/575/575	183/153/130	40/35/30	1.500,--
MMU-AP0181MH	5,6	6,3	2	268/575/575	212/178/145	44/39/34	1.600,--

Panel

RBC-UM11PG(W)-E	--	--	--	27/700/700	--	--	300,--
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VRF 4-Way-Cassette – Standard

- Quadratic design (840x840 mm)
- Choice of 2 panel variations
- Drain pump with a lift height of 850 mm included (measured from the bottom edge of the unit)
- Fresh air inlet possible
- Wireless remote control kit optional



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating	HP Code				
4-Way Cassette							
MMU-AP0092H	2,8	3,2	1	256/840/840	189/203/222	27/29/30	1.310,--
MMU-AP0122H	3,6	4,0	1,25	256/840/840	189/203/222	27/29/30	1.360,--
MMU-AP0152H	4,5	5,0	1,7	256/840/840	219/231/258	27/29/31	1.410,--
MMU-AP0182H	5,6	6,3	2	256/840/840	222/256/292	28/29/32	1.470,--
MMU-AP0242H	7,1	8,0	2,5	256/840/840	228/256/333	28/31/34	1.530,--
MMU-AP0272H	8,0	9,0	3	256/840/840	228/256/333	28/31/34	1.610,--
MMU-AP0302H	9,0	10,0	3,2	256/840/840	236/308/367	30/33/37	1.700,--
MMU-AP0362H	11,2	12,5	4	319/840/840	297/361/467	33/36/40	1.980,--
MMU-AP0482H	14,0	16,0	5	319/840/840	314/397/567	34/38/44	2.170,--
MMU-AP0562H	16,0	18,0	6	319/840/840	342/422/581	34/40/45	2.280,--

Panel

RBC-U31PG(W)-E	for wide air flow	35/950/950	--	--	280,--
RBC-U31PGS(W)-E	for straight air flow	35/950/950	--	--	310,--

VRF 4-Way-Cassette – Phase-out model

- Quadratic design (840x840 mm)
- The design of the panel keeps the area around the air outlets clean
- Drain pump with a lift height of 850 mm included (measured from the bottom edge of the unit)
- Fresh air inlet possible
- Wireless remote control kit optional
- Deliverable while stocks last



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating	HP Code				
4-Way-Cassette – Phase-out model * deliverable while stocks last *							
MMU-AP0091H	2,8	3,2	1	256/840/840	189/203/222	27/29/30	1.260,--
MMU-AP0241H	7,1	8,0	2,5	256/840/840	228/256/333	28/31/34	1.480,--
MMU-AP0271H	8,0	9,0	3	256/840/840	228/256/333	28/31/34	1.560,--
MMU-AP0301H	9,0	10,0	3,2	256/840/840	236/308/367	30/33/37	1.640,--

Panel

RBC-U21PG(W)-E2	--	--	--	35/950/950	--	--	270,--
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VRF 1-Way-Cassette

- Small capacities available (from 2,2 kW upwards)
- Fresh air inlet
- Smooth operation
- Drain pump with a lift height of 350 mm (YH) respect. 510 mm (SH) included (measured from the bottom edge of the unit)



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating	HP Code				
1-Way-Cassette							
MMU-AP0071YH	2,2	2,5	0,8	235/850/400	117/133/150	34/39/42	1.500,--
MMU-AP0091YH	2,8	3,2	1	235/850/400	117/133/150	34/39/42	1.520,--
MMU-AP0121YH	3,6	4,0	1,25	235/850/400	117/133/150	34/39/42	1.530,--
MMU-AP0152SH	4,5	5,0	1,7	200/1000/710	175/192/208	32/35/37	1.440,--
MMU-AP0182SH	5,6	6,3	2	200/1000/710	183/200/216	34/36/38	1.600,--
MMU-AP0242SH	7,1	8,0	2,5	200/1000/710	225/266/316	37/41/45	1.680,--

Panel

RBC-UY136PG	MMU-AP0071/0091/0121YH	18/1050/470	--	--	350,--
RBC-US21PGE	MMU-AP0152/0182/0242SH	20/1230/800	--	--	520,--

VRF 2-Way-Cassette

- Small capacities available (from 2,2 kW upwards)
- Fresh air inlet
- Smooth operation
- Drain pump with a lift height of 510 mm included (measured from the bottom edge of the unit)



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating	HP Code				
2-Way-Cassette							
MMU-AP0071WH	2,2	2,5	0,8	398/830/550	125/142/158	30/32/34	1.350,--
MMU-AP0091WH	2,8	3,2	1	398/830/550	125/142/158	30/32/34	1.400,--
MMU-AP0121WH	3,6	4,0	1,25	398/830/550	125/142/158	30/32/34	1.430,--
MMU-AP0151WH	4,5	5,0	1,7	398/1350/550	167/195/217	30/33/35	1.380,--
MMU-AP0181WH	5,6	6,3	2	398/1350/550	167/195/217	30/33/35	1.550,--
MMU-AP0241WH	7,1	8,0	2,5	398/1350/550	200/267/317	33/35/38	1.650,--
MMU-AP0271WH	8,0	9,0	3	398/1350/550	200/267/317	33/35/38	1.690,--
MMU-AP0301WH	9,0	10,0	3,2	398/1350/550	267/317/350	34/37/40	1.830,--

Panel

RBC-UW136PG	MMU-AP0071/0091/0121WH	8/1000/650	--	--	370,--
RBC-UW266PG	MMU-AP0151-0301WH	8/1520/650	--	--	490,--

VRF Chassis

- Perfect for offices and other commercial buildings
- Through total fitment there is no interfering with the interior



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating [kW]	HP Code				
Chassis							
MML-AP0071BH	2,2	2,5	0,8	600/745/220	83/111/128	32/34/36	1.450,--
MML-AP0091BH	2,8	3,2	1	600/745/220	83/111/128	32/34/36	1.470,--
MML-AP0121BH	3,6	4,0	1,25	600/745/220	83/111/128	32/34/36	1.530,--
MML-AP0151BH	4,5	5,0	1,7	600/1045/220	136/167/206	32/34/36	1.560,--
MML-AP0181BH	5,6	6,3	2	600/1045/220	136/167/206	32/34/36	1.580,--
MML-AP0241BH	7,1	8,0	2,5	600/1045/220	178/220/264	33/37/42	1.600,--

VRF Floor

- Easy installation through flexible connection variations
- Air outlet: from the front or the rear



Type	Capacity			Dimensions (H/W/D) [mm]	Air flow volume [l/s]	Sound pressure level [dB(A)]	Single price excl. VAT [EUR]
	Cooling [kW]	Heating [kW]	HP Code				
Floor							
MML-AP0071H	2,2	2,5	0,8	630/950/230	100/117/133	35/37/39	1.580,--
MML-AP0091H	2,8	3,2	1	630/950/230	100/117/133	35/37/39	1.600,--
MML-AP0121H	3,6	4,0	1,25	630/950/230	181/217/250	38/41/45	1.620,--
MML-AP0151H	4,5	5,0	1,7	630/950/230	181/217/250	38/41/45	1.640,--
MML-AP0181H	5,6	6,3	2	630/950/230	217/258/300	39/44/49	1.700,--
MML-AP0241H	7,1	8,0	2,5	630/950/230	217/258/300	39/44/49	1.730,--

Floor mounted units are only on stock in limited quantity – Delivery times on request!

Floor							
MMF-AP0151H	4,5	5,0	1,7	1750/600/210	183/217/250	38/43/46	2.100,--
MMF-AP0181H	5,6	6,3	2	1750/600/210	183/217/250	38/43/46	2.140,--
MMF-AP0241H	7,1	8,0	2,5	1750/600/210	233/283/333	40/45/49	2.220,--
MMF-AP0271H	8,0	9,0	3	1750/600/210	233/283/333	40/45/49	2.290,--
MMF-AP0361H	11,2	12,5	4	1750/600/390	383/467/533	44/48/51	2.400,--
MMF-AP0481H	14,0	16,0	5	1750/600/390	433/517/600	46/50/54	2.430,--
MMF-AP0561H	16,0	18,0	6	1750/600/390	433/517/600	46/50/54	2.490,--

Attention: no stock article – Delivery times on request!

VRF Valve kit

- Plug-in, wired kit consisting of an electronic control box, PC board, transformer, wired remote control RBC-AMT31/32E, PMV-Motor, all necessary temperature sensors and an installation manual

Type		Single price excl. VAT [EUR]
Valve kit 5,6 kW / 6,3 kW	MMD-DXKIT + 43146729 PMV Body	2.300,--
Valve kit 7,1 kW / 8,0 kW	MMD-DXKIT + 43146729 PMV Body	2.300,--
Valve kit 8,0 kW / 9,0 kW	MMD-DXKIT + 43146729 PMV Body	2.300,--
Valve kit 11,2 kW / 12,5 kW	MMD-DXKIT + 43146723 PMV Body	2.350,--
Valve kit 14,0 kW / 16,0 kW	MMD-DXKIT + 43146723 PMV Body	2.350,--
Valve kit 22,4 kW / 25,0 kW	MMD-DXKIT + 43146646 PMV Body	2.400,--
Valve kit 28,0 kW / 31,5 kW	MMD-DXKIT + 43146646 PMV Body	2.400,--

Heat exchanger

- Reclaims 20 – 80 % of the thermal energy by transferring exhaust air to the supply air
- Potential to reduce air conditioning/ heating system requirements
- Fresh air ventilation without opening the window
- High energy efficiency especially during hot and cold seasons
- Operation modes: heat reclaim mode including dehumidifying and ventilation (bypass mode) without dehumidifying
- Washable air filter (EU3) included

Type	Air flow volume [l/sec.]	Dimensions (H/W/D) [mm]	Single price excl. VAT [EUR]
Heat exchanger			
VN-250TE	47/69	270/599/882	1.460,--
VN-350TE	78/97	270/804/882	1.850,--
VN-500TE	103/139	270/904/962	2.350,--
VN-800TE	180/222	388/884/1322	3.450,--
VN-1KTAE	225/278	388/1134/1322	3.950,--

Special accessories RAV / VRF


Type	Description	Packing unit (PU)	Price per PU excl. VAT [EUR]
Connector with cable: Connecting cable (50 cm) plus connector for connecting of external equipment to pc board of the indoor unit like for example fan, drain pump and so on			
TCB-KBCN32VEE	Connector with cable for CN32	50 pcs.	200,--
TCB-KBCN60OPE	Connector with cable for CN60	50 pcs.	400,--
TCB-KPCN61HAE	Connector with cable for CN61	50 pcs.	400,--
TCB-KBCN70OAE	Connector with cable for CN70	50 pcs.	200,--
TCB-KBCN73DEE	Connector with cable for CN73	50 pcs.	200,--
TCB-KBCN80EXE	Connector with cable for CN80	50 pcs.	210,--
Twin Kit: Twin Kit for connecting two Digital Inverter indoor units to one outdoor unit * Exception: Flexi indoor units			
RBC-TWP30E2	Twin Kit for 2x RAV-SM56x to 1x RAV-SM1103AT-E		85,--
RBC-TWP50E2	Twin Kit for 2x RAV-SM80x to 1x RAV-SM1403AT-E		90,--
RBC-TRP100E	Triple Kit		300,--

TCC-Link Remote Controls/ Control Options





	Type/ Description	Single price [EUR] excl. VAT
	RBC-AMT32E – Wired remote control LCD-display, temperature setting, mode selection, fan speed control, 168 hours on/off timer, auto louvers, room temperature sensor, up to 8 units controllable simultaneously, fault diagnosis, filter warning lamp	100,--
	RBC-AMS41E – Wired remote control with integrated 7-day-timer The same functions as the remote control RBC-AMT32E but with an integrated 7-day-timer, whereby 8 occasions per day can be programmed	120,--
	RBC-AS21E2 – Simple wired remote control Like wired remote control RBC-AMT32E, but without timer function; compatible with TCB-SC642TLE2 (Central remote control), but not with TCB-EXS21TLE (7-day-timer)	95,--
	TCB-EXS21TLE – 7-day-timer LCD-display, 3 different on/off time settings (programs) can be programmed per day, each weekday (mo-su) can be individually programmed with these 3 programs, holiday function, combination with TCB-SC642TLE2 (central remote control) or alone directly to TCC-Link Bus	370,--
	RBC-AX31U(W)-E Wireless remote control + receiver kit for the new 4-way-cassette (DI/S-DI series 4 and S-MMS series 2) Like RBC-AMT32E, but wireless, not compatible with 7-day-timer; address setting as well as setting the automatic restart function via the wireless remote control not possible	210,--
	TCB-AX21U-E2 – Wireless remote control + receiver kit for 4-way-cassette (S-MMS, series 1) Like RBC-AMT32E, but wireless, not compatible with 7-day-timer; address setting as well as setting the automatic restart function via the wireless remote control not possible	210,--
	RBC-AX22CE2 – Wireless remote control + receiver kit for ceiling units Like RBC-AMT31E, but wireless, not compatible with 7-day-timer; receiver kit can be easily installed at the unit; address setting as well as setting the automatic restart function via the wireless remote control not possible	230,--
	TCB-AX21E2 – Wireless remote control with external receiver kit Wireless remote control suitable for all DI/S-DI and S-MMS indoor units (exception: S-MMS duct type units with high static pressure); address setting as well as setting the automatic restart function via the wireless remote control not possible	360,--
	TCB-SC642TLE2 – Central remote control Individual control of up to 64 units or unit groups (per zone up to 8 units can be controlled simultaneously), S-MMS indoor units can be controlled directly, DI and S-DI indoor units need the adapter TCB-PCNT30TLE	950,--
	TCB-CC163TLE2 – On-/Off control for 16 indoor units 16 indoor units can be switched on and off simultaneously within a S-MMS/S-HRM system	1.100,--
	TCB-IFCB-4E2 Fault, indication and remote on/off module Provides fault and indication contacts, connection to external on/off. Connection to external on/off.	310,--
	TCB-TC21LE2 – Room temperature sensor Chassis with external room temperature sensor	90,--
	TCB-PCNT30TLE2 – TCC-Link Adapter Adapter from DI & S-DI TCC-Link to S-MMS TCC-Link	110,--

*for S-MMS MINI, S-MMS and S-HRM outdoor units

VRF Control options / Software

	Type/ Description	Single price [EUR] excl. VAT
	BMS-TP0641ACE Touch Screen and Controller 12" TFT display with a resolution of 600x800 pixel and an input by touching the display; 240 MHz processor with Windows CE; * Individual control of up to 64 indoor units * Record of operation data logging/ failure diagnosis * Monitor: on/off, mode, room temperature * On/off * Temperature setting * Mode setting * Single and group control * Timer * Failure diagnosis	8.900,--
	BMS-TP5121ACE Touch Screen and Controller Like BMS-TP0641ACE, but up to 512 indoor units can be controlled individually	10.500,--
	BMS-TP0641PWE Touch Screen and Controller – with electrical bill calculation Like BMS-TP0641ACE but with electrical bill calculation software	9.900,--
	BMS-TP5121PWE Touch Screen and Controller - with electrical bill calculation Like BMS-TP0641ACE, but up to 512 indoor units can be controlled individually and electrical bill calculation software	12.200,--
	BMS-IFLSV3E TCS-Net Relay Interface Interface between touchscreen controller or BACnet server and TCC-Link; for max. 64 indoor units or. max. 16 systems.	1.100,--
	BMS-IFWH4E2 Energy Monitoring Relay Interface Electrical bill calculation module with a daily or monthly calculation kWh-meter must be on site/ for max. 8 kWh-meter	1.220,--
	BMS-IFDD02E2 Digital on/off Relay Interface 3 inputs / 1 output	1.220,--
	TCB-IFLN640TLE LonWorks Interface for TCC-Link for the control of up to 64 indoor units	1.850,--
	RBC-WP1-PE Software „Interactive Intelligence II“ for the control of S-MMS/S-HRM via a computer (LonWorks Interface TCB-IFLN640TLE optional necessary)	4.500,--
	BMS-LSV6E BACnet Server Adapter for connecting the TCC-Link network to a BACnet-system	5.200,--
	BMS-STBN08E BACnet Server Software Software for BMS-LSV6E	6.000,--
	TCB-PCM02E – Antifreeze; on/off remote module* Inputs for ext. on/off, priority for cooling/heating, sound reduction and outdoor unit fan „on“	85,--
	TCB-PCIN2E – Fault indication module* Outputs for faults and „indoor units operation“	120,--
	TCB-PCOS1E2 – Application control kit for DI outdoor units series 1 and 2 Inputs for reduction of capacity and sound, output for compressor „on“	230,--
	TCB-PCDM2E – Module for energy limitation/load control Inputs for ext. on/off and reduction of capacity (6 stages)	110,--

VRF Control options / Software

Type/ Description		Single price [EUR] excl. VAT
	BMS-CM1280TLE - Compliant Manager Central remote control for up to 128 indoor units; will be directly connected to the TCC-Link Bus of the outdoor unit	2.100,--
	BMS-CM1280FTLE - Compliant Manager Central remote control for up to 128 indoor units; Computer control via network, 7-day-timer and electrical bill calculation software (for electrical bill calculation the BMS-IFWH4E2 Energy Monitoring Relay Interface + kWh-meter + PC with excel is necessary). will be directly connected to the TCC-Link Bus of the outdoor unit	2.700,--
	BMS-WB2561PWE - Web based controller Internet server for up to 256 indoor units Connection to the TCC-Link Bus of the outdoor unit via one or more TCS-Net Relay Interface BMS-IFLSV2E2	5.200,--
	BMS-WB01GTE - Web based controller Internet server for up to 2048 indoor units Connection of up to 8 BMS-WB2561PWE Web based controller via Ethernet	5.500,--
	TCB-IFMB640TLE - ModBus Interface Adapter for connecting the TCC-Link net works to a ModBus system	2.550,--
	TCB-IFGSM1E - GSM Interface Module for controlling DI/S-DI and S-MMS indoor units or. S-DSK units via GSM-Modem	1.320,--
	TCB-IFCG1TLE – Analog Interface	2.650,--
	TCB-IFCB640TLE – General Purpose Interface	2.650,--
	DI, S-DI Redundancy module: TC-SMP-UNI Toshiba fault indication module (2 pcs. for a redundancy switch necessary) TC-SMP-CTRL Toshiba redundancy switch box 33NT900062M Toshiba thermostat	290,-- 1.140,-- 120,--

TOSHIBA SERVICE PROGRAMS

- Computer software for the service technique
- Display and record of data of the units: Unit on/off, cooling and heating mode, PMV open level, temperature data, pressure level, compressor on/off, fault diagnosis
- Consisting of: adapter box, with cable for the unit, cable for the computer and CD-ROM (Exception: floppy disk with Dyna Doctor 2 and 3)

Type	Additional information	Single price excl. VAT [EUR]
DYNA DOCTOR 2	Operation with Super Multi (MAR-C/M/F series 2,3 a. 4) & Super Multi Intelligence (MAR-F)	850,--
DYNA DOCTOR 3	Operation with Modular Multi (all types)	850,--
DYNA DOCTOR IES	Operation with RAS Multi Inverter (E-series) & Digital Inverter (series 1 and 2 – 5 and 7 kW)*	900,--
DYNA DOCTOR for S-MMS and S-HRM	Operation with S-MMS and S-HRM (series 1 and 2)	1.100,--
DYNA DOCTOR for MiNi-SMMS (Software)	Operation with MiNi-SMMS; Attention: only software (as long as the hardware of DynaDoctor for S-MMS/S-HRM exists!)	180,--

* with optional DK-3 adapter extendable to DI 10 a. 12,5 kW models (series 1, 2) or extendable with an optional DK-4 adapter to RAS multi Inverter (Y-series), DI and S-DI models (series 0)

S-MMS / MiNi-SMMS (2-pipe-system): Joints and Headers

Y-Shapes (two Y-shapes in each packing unit)

Type	Description	Connected indoor unit capacity		Single price [EUR] excl. VAT
		[kW]	[HP]	
RBM-BY54E	Y- shape	< 18 kW	< 6,4 kW	100,--
RBM-BY104E		18 kW < capacity < 37 kW	6,4 < capacity < 14,2	120,--
RBM-BY204E		37 kW < capacity < 71 kW	14,2 < capacity < 25,2	210,--
RBM-BY304E		71 kW < capacity	25,2 < capacity	280,--



4/8-Branch Header (two 4/8-branch in each packing unit)

Type	Description	Connected indoor unit capacity		Single price [EUR] excl. VAT
		[kW]	[HP]	
RBM-HY1043E	4-branch header	18 kW < capacity < 37 kW	6,4 < capacity < 14,2	220,--
RBM-HY2043E		37 kW < capacity < 71 kW	14,2 < capacity < 25,2	240,--
RBM-HY1083E	8-branch header	18 kW < capacity < 37 kW	6,4 < capacity < 14,2	350,--
RBM-HY2083E		37 kW < capacity < 71 kW	14,2 < capacity < 25,2	410,--



T-Joints (two T-joints in each packing unit)

Type	Description	Single price [EUR] excl. VAT
RBM-BT13E	T-joint	250,--

S-HRM (3-pipe-system): Joints and Headers

Y-Shape (three Y-shapes in each packing unit)

Type	Description	Connected indoor unit capacity		Single price [EUR] excl. VAT
		[kW]	[HP]	
RBM-BY54FE	Y- shape	< 18 kW	< 6,4 kW	140,--
RBM-BY104FE		18 kW < capacity < 37 kW	6,4 < capacity < 14,2	170,--
RBM-BY204FE		37 kW < capacity < 71 kW	14,2 < capacity < 25,2	280,--
RBM-BY304FE		71 kW < capacity	25,2 < capacity	320,--

4/8-Branch Header (three 4/8-branch header in each packing unit)

Type	Description	Connected indoor unit capacity		Single price [EUR] excl. VAT
		[kW]	[HP]	
RBM-HY1043FE	4- branch header	< 37 kW	< 14,2	400,--
RBM-HY2043FE	4- branch header	37 kW < capacity < 71 kW	14,2 < capacity < 25,2	480,--
RBM-HY1083FE	8- branch header	< 37 kW	< 14,2	550,--
RBM-HY2083FE	8- branch header	37 kW < capacity < 71 kW	14,2 < capacity < 25,2	580,--

T-Joints (three T-joints in each packing unit)

Type	Description	Single price [EUR] excl. VAT
RBM-BT13FE	T-joint	270,--

TOSHIBA Leading Innovation >>>

Toshiba Fachhändler:



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TOSHIBA AIRCONDITIONING

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