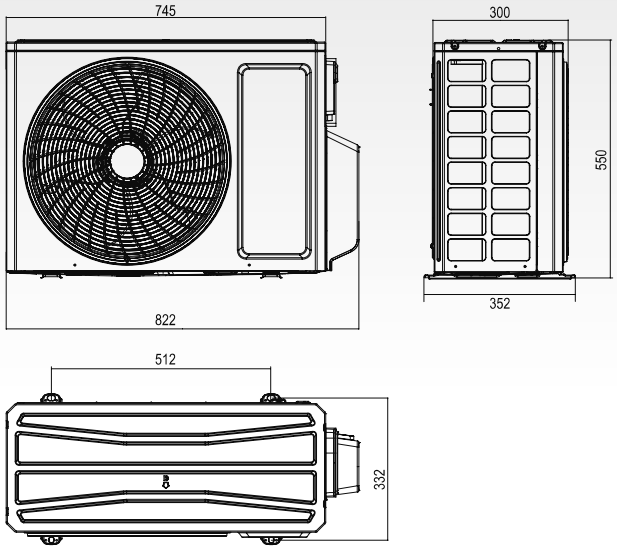
MULTI VARIABLE SERIES

MODEL			MV-E14BI2	MV-E18BI2	MV-E21BI2	MV-E24BI2	
Qty of connectable indoor units			1-2	1-2	2-3	2-3	
Capacity cooling / heating 1)	Nominal (min-max)	kW	4,1 (2,1-5) / 5,0 (2,5-5,4)	5,3 (2,1-5,8) / 5,7 (2,6-6,5)	6,1 (2,2-8,3) / 6,5 (2,7-8,5)	7,1 (2,3-9,2) / 8,6 (2,8-9,2)	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Power input cooling / heating 1)		W	1100 / 970	1480 / 1250	1480 / 1430	1880 / 2230	
Maximal power input 2)		W	2250	2500	2900	3400	
Power current cooling / heating		A	4,9 / 4,4	6,6 / 5,6	6,6 / 6,3	8,4 / 9,9	
Maximal power current 2)		A	10,0	11,0	12,9	14,6	
Energy class cooling 3)			-	-	-	-	
Air flow of OD	H	m³ / h	2300	2300	3800	3800	
Sound pressure level of OD at 1m 4)	H	dB(A)	52	54	58	58	
Sound power of OD 4)	H	dB(A)	62	64	68	68	
Refrigerant type / charge		Type / kg / t eq. CO_2	R32 / 0,75 / 0,51	R32 / 0,90 / 0,60	R32 / 1,60 / 1,08	R32 / 1,70 / 1,14	
Additional refrigerant		g / m	20	20	20	20	
Pipe diameter - liquid side 5)		qty × mm	2 × 6,0	2 × 6,0	3 × 6,0	3 × 6,0	
Pipe diameter - gas side 5)		qty × mm	2 × 9,5	2 × 9,5	3 × 9,5	3 × 9,5	
Max pipe length without additional refrigerant 6)		m	10	10	30	30	
Maximal pipe length to 1 indoor unit 9)		m	20	20	20	20	
Maximal total pipe length 7)		m	40	40	60	60	
Max. elevation / Drop height		m	15	15	15	15	
Dimension of OD	w × h × d	mm	822 × 550 × 352	822 × 550 × 352	964 × 660 × 402	964 × 660 × 402	
Package dimension of OD	w × h × d	mm	872 × 620 × 398	872 × 620 × 398	1032 × 737 × 456	1032 × 737 × 456	
Weight of OD	netto / brutto	kg	30,0 / 32,5	32,0 / 34,5	47,5 / 52,0	47,5 / 52,0	
Operating temperature range (cooling) 8)	Cooling	ºC	-15~43	-15~43	-15~43	-15~43	
Operating temperature range (heating) 8)	Heating	ºC	-22~24	-22~24	-22~24	-22~24	
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance of OD	w × d	mm	512 × 332	512 × 332	570 × 371	570 × 371	
Communication cable		mm²	4-wire cable *				
Recommended power cable		mm²	3 × 1,5	3 × 1,5	3 × 2,5	3 × 2,5	
Recommended air switch		A	13	13	16	16	
EQUIPMENT							
Throttling method			EXV	EXV	EXV	EXV	
Bottom chassis heater			Heating belt	Heating belt	Heating belt	Heating belt	
Crankcase heater			✔	✔	✔	✔	
Bottom plugs for OD			✔	✔	✔	✔	
Drain pipe connector			✔	✔	✔	✔	
Pipe reduction			-	-	✔	✔	

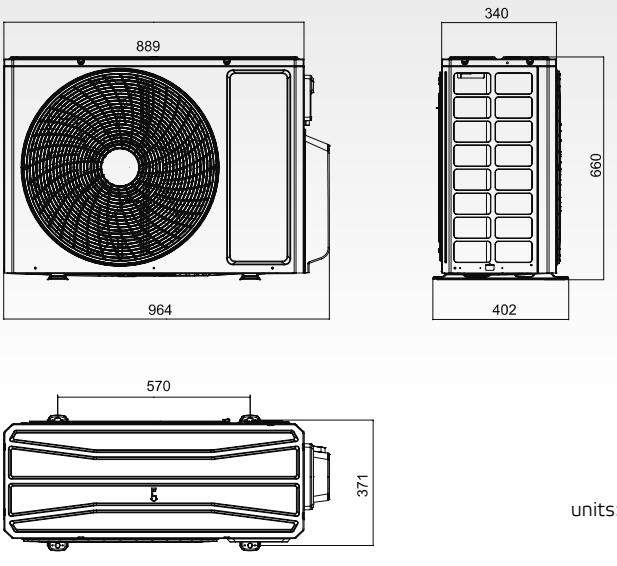
The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.
R32 (single component refrigerant HFC), GWP of refrigerant used: 675.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
Explanatory notes on the very last page of the catalogue.
May not be used separately, must be combined with indoor units from Multi Variable (MV) series.
* Cross-section of each wire must correspond to the IEC 60364

APPEARANCE AND DIMENSIONS OF INDOOR UNIT

MV-E14BI2, MV-E18BI2



MV-E21BI2, MV-E24BI2



units: mm

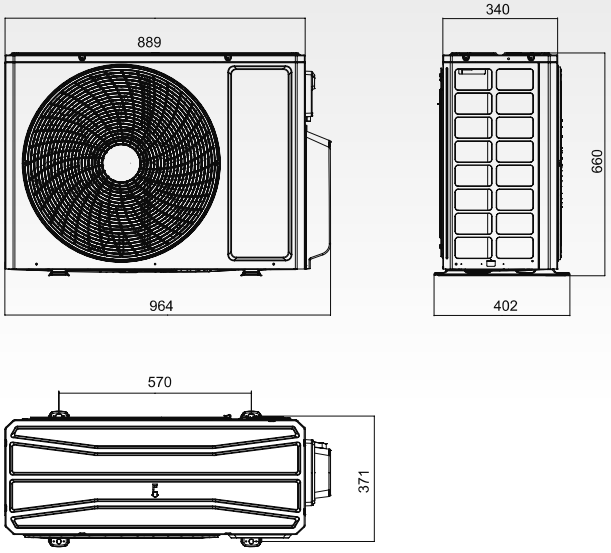
MULTI VARIABLE SERIES

MODEL			MV-E28BI2	MV-E36BI2	MV-E42BI2		
Qty of connectable indoor units			2-4	2-4	2-5		
Capacity cooling / heating 1)	Nominal (min-max)	kW	8,0 (2,3-11,0) / 9,5 (2,8-10,3)	10,6 (2,6-12,0) / 12,0 (3,0-14,0)	12,1 (2,6-15,2) / 13,0 (3,0-15,5)		
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240		
Power input cooling / heating 1)		W	2120 / 2200	3000 / 3040	3400 / 3190		
Maximal power input 2)		W	3600	5000	5000		
Power current cooling / heating		A	9,4 / 9,8	13,3 / 13,5	15,1 / 14,2		
Maximal power current 2)		A	15,9	21,7	21,7		
Energy class cooling 3)			See table below	See table below	See table below		
Air flow of OD	H	m³ / h	3800	5800	5800		
Sound pressure level of OD at 1m 4)	H	dB(A)	58	60	60		
Sound power of OD 4)	H	dB(A)	68	70	72		
Refrigerant type / charge		Type / kg / t eq. CO_2	R32 / 1,80 / 1,21	R32 / 2,40 / 1,62	R32 / 2,40 / 1,62		
Additional refrigerant		g / m	20	20	20		
Pipe diameter - liquid side 5)		qty × mm	4 × 6,0	4 × 6,0	5 × 6,0		
Pipe diameter - gas side 5)		qty × mm	4 × 9,5	4 × 9,5	5 × 9,5		
Max pipe length without additional refrigerant 6)		m	40	40	50		
Maximal pipe length to 1 indoor unit 9)		m	20	25	25		
Maximal total pipe length 7)		m	70	80	100		
Max. elevation / Drop height		m	15	25	25		
Dimension of OD	w × h × d	mm	964 × 660 × 402	1020 × 826 × 427	1020 × 826 × 427		
Package dimension of OD	w × h × d	mm	1032 × 737 × 456	1093 × 885 × 497	1093 × 885 × 497		
Weight of OD	netto / brutto	kg	51,0 / 55,5	72,0 / 79,0	73,0 / 80,0		
Operating temperature range (cooling) 8)	Cooling	ºC	-15~43	-15~43	-15~43		
Operating temperature range (heating) 8)	Heating	ºC	-22~24	-22~24	-22~24		
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance of OD	w × d	mm	570 × 371	635 × 396	635 × 396		
Communication cable		mm²	4-wire cable *				
Recommended power cable		mm²	3 × 4,0	3 × 6,0	3 × 6,0		
Recommended air switch		A	20	25	25		
EQUIPMENT							
Throttling method			EXV	EXV	EXV		
Bottom chassis heater			Heating belt	Heating belt	Heating belt		
Crankcase heater			✔	✔	✔		
Bottom plugs for OD			✔	✔	✔		
Drain pipe connector			✔	✔	✔		
Pipe reduction			✔	✔	✔		

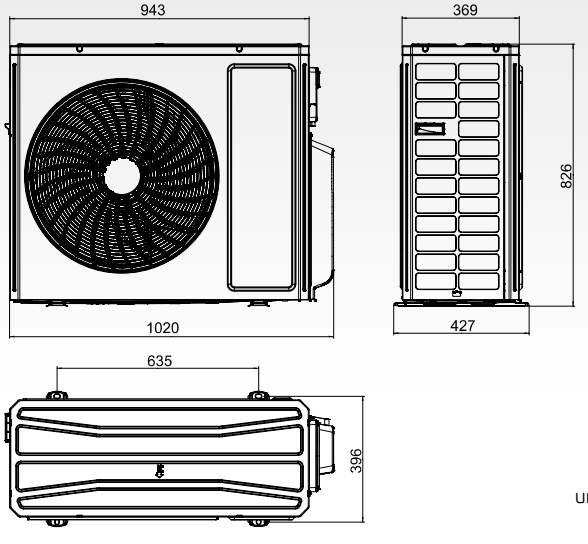
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APPEARANCE AND DIMENSIONS OF INDOOR UNIT

MV-E28BI2



MV-E36BI2, MV-E42BI2



units: mm

MULTI VARIABLE SERIES

COMBINATION TABLES

(unit: x1000Btu/h)

MV-E14BI2		MV-E21BI2		MV-E24BI2			MV-E28BI2
1 UNIT	2 UNITS	2 UNITS	3 UNITS	2 UNITS	3 UNITS		2 UNITS
N/A	7+7	7+7	7+7+7	7+7	7+7+7	7+7+18	7+7
N/A	7+12	7+12	7+7+12	7+12	9+9+12	7+9+18	7+12
N/A	7+9	9+9	7+7+9	9+9	7+7+9	12+12+12*	9+9
N/A	9+9	7+9	7+9+9	9+18	7+9+9	7+12+12	9+18
N/A	9+12*	7+18	9+9+9	12+18	7+7+12	9+9+18*	12+18
MV-E18BI2		9+12	7+9+12	7+9	7+9+12	9+12+12*	7+9
1 UNIT	2 UNITS	9+18	7+12+12	7+18	9+9+9		7+18
N/A	7+7	12+12	9+9+12	9+12			9+12
N/A	7+12	12+18		12+12			12+12
N/A	9+12			18+18*			18+18
N/A	7+9						
N/A	9+9						

MV-E28BI2			MV-E36BI2				
3 UNITS		4 UNITS	2 UNITS		3 UNITS		
7+7+7	7+12+18	7+7+7+7	7+7	9+24	7+7+7	7+12+18	9+12+18
7+7+9	9+9+9	7+7+7+9	7+9	12+12	7+7+9	7+12+24	9+12+24
7+7+12	9+9+12	7+7+9+9	7+12	12+18	7+7+12	7+18+18	9+18+18
7+7+18	9+9+18	9+9+9+9	7+18	12+24	7+7+18	7+18+24*	9+18+24*
7+9+9	9+12+18	7+7+7+12	7+24	18+18	7+7+24	9+9+9	12+12+12
7+9+12	9+12+12	7+7+9+12	9+9	18+24	7+9+9	9+9+12	12+12+18
7+9+18	12+12+12	7+9+9+9	9+12	24+24*	7+9+12	9+9+18	12+12+24
7+12+12	12+12+18	7+7+7+18	9+18		7+9+18	9+9+24	12+18+18
		7+7+9+18			7+9+24	9+12+12	
		7+9+9+12			7+12+12		
		9+9+12+12					
		7+7+12+12					
		9+9+9+12					

MV-E36BI2			MV-E42BI2				
4 UNITS			2 UNITS		3 UNITS		
7+7+7+7	7+7+18+18*	9+9+9+9	7+7	9+24	7+7+7	7+12+24	9+18+18
7+7+7+9	7+9+9+9	9+9+9+12	7+9	12+12	7+7+9	7+18+18	9+18+24
7+7+7+12	7+9+9+12	9+9+9+18	7+12	12+18	7+7+12	7+18+24	9+24+24
7+7+7+18	7+9+9+18	9+9+12+12	7+18	12+24	7+7+18	7+24+24	12+12+12
7+7+7+24	7+9+9+24*	9+12+12+12	7+24	18+18	7+7+24	9+9+9	12+12+18
7+7+9+9	7+9+12+12	9+9+9+24*	9+9	18+24	7+9+9	9+9+12	12+12+24
7+7+9+12	7+9+12+18	9+9+12+18	9+12	24+24	7+9+12	9+9+18	12+18+18
7+7+9+18	7+9+18+18*	9+12+12+18*	9+18		7+9+18	9+9+24	12+18+24
7+7+9+24	7+12+12+12	12+12+12+12			7+9+24	9+12+12	18+18+18
7+7+12+12	7+12+12+18				7+12+12	9+12+18	12+24+24*
7+7+12+18					7+12+18	9+12+24	18+18+24

MV-E42BI2							
4 UNITS				5 UNITS			
7+7+7+7	7+7+18+18	9+9+9+12	7+9+18+24	7+7+7+7+7	7+7+9+9+12	9+9+9+9+18	7+9+9+12+18
7+7+7+9	7+9+9+9	9+9+9+18	7+12+12+24	7+7+7+7+9	7+7+9+9+18	9+9+9+12+12	7+9+9+12+24*
7+7+7+12	7+9+9+12	9+9+9+24	7+12+18+18	7+7+7+7+12	7+7+9+12+12	9+9+12+12+12	7+9+9+18+18
7+7+7+18	7+9+9+18	9+9+12+12	7+12+18+24	7+7+7+7+18	7+7+9+12+18	9+9+12+12+18*	7+9+12+12+18
7+7+7+24	7+9+9+24	9+9+12+18	7+18+18+18	7+7+7+7+24	7+7+12+12+12	7+7+7+12+24	7+12+12+12+12
7+7+9+9	7+9+12+12	9+9+12+24	9+9+18+24	7+7+7+9+9	7+9+9+9+9	7+7+7+18+18	7+12+12+12+18
7+7+9+12	7+9+12+18	9+9+18+18	9+12+12+24	7+7+7+9+12	7+9+9+9+12	7+7+9+9+24	9+9+9+9+24
7+7+9+18	7+9+12+24*	9+12+12+12*	9+12+18+18	7+7+7+9+18	7+9+9+9+18	7+7+9+12+24	9+9+9+12+18
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7+7+12+12	7+12+12+12	12+12+12+12	12+12+18+18	7+7+7+12+12	7+9+12+12+12	7+7+12+12+18	9+12+12+12+12
7+7+12+18	7+12+12+18	12+12+12+18	12+12+12+24	7+7+7+12+18	9+9+9+9+9	7+7+12+18+18	9+12+12+12+18*
7+7+12+24	9+9+9+9	7+7+18+24		7+7+9+9+9	9+9+9+9+12	7+9+9+9+24	12+12+12+12+12

*This combinations of indoor units capacities exceed 130% of maximum capacity of the outdoor unit.