

# Specifications

## Outdoor units R32

- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.



Outdoor unit		A1040TX, J2KG/EU	A1050TX, J2KG/EU	A1052TX, J3KG/EU
<b>Capacity</b>				
Maximum number of connectable indoor units		2	2	3
<b>Capacity</b>				
Cooling (Nominal)	kW	4.0	5.0	5.2
Heating @ +7 °C	kW	4.2	5.6	6.3
Heating @ +5 °C	kW	3.16	4.22	4.22
Heating @ +10 °C	kW	2.70	3.60	3.60
Heating @ +15 °C	kW	2.23	2.98	2.98
<b>Performance</b>				
<b>Energy Efficiency Cooling</b>				
SEER <sup>1</sup>	W/W	8.54/ A+++	8.54/ A+++	8.51/ A+++
Power Consumption	kWh/a	164	205	206
Pdesignc	kW	4.0	5.0	5.0
EER	W/W	4.44	4.10	4.16
<b>Energy Efficiency Heating</b>				
SCOP <sup>1</sup>	W/W	4.60/ A++	4.64/ A++	3.60/ A
Power Consumption	kWh/a	922	1,270	1,400
Pdesignh (Leverage)	kW	3.1	4.2	4.6
COP <sup>1</sup>	W/W	4.64	4.38	4.77
<b>Airflow Rate</b>				
Sound Power	m <sup>3</sup> /min	297	331	38.0
Sound Pressure	dBA	60	61	61
<b>Fan</b>				
Type		Propeller Fan	Propeller Fan	Propeller Fan
Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)
Power	W	40	40	125
Number of Fans	-	1	1	1
<b>Operating Temperature Range</b>				
Cooling	°C	-5.0-46.0	-5.0-46.0	-10.0-46.0
Heating	°C	-15-24	-15-24	-15-24
<b>Electrical Data</b>				
Power Source	Ø, V, Hz	1Ø, 220-240 V, 50 Hz	1Ø, 220-240 V, 50 Hz	1Ø, 220-240 V, 50 Hz
Compressor Type		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
<b>Power Consumption</b>				
Cooling	kW	0.90	1.22	1.25
Heating	kW	0.90	1.28	1.32
<b>Operating Current</b>				
Cooling	A	4.1	5.6	5.5
Heating	A	4.1	5.9	6.1
<b>Dimensions</b>				
Net Dimensions (W x H x D)	mm	790 x 548 x 285	790 x 548 x 285	880 x 438 x 310
Net Weight	kg	32.0	33.0	44.5
<b>Refrigerant</b>				
Type		R32 (contains fluorinated greenhouse gases, GWP = 675)		
Factory Charging	kg	0.98	1.18	1.55
Chargeless Piping Length	m	30.0	30.0	30.0
Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.66	0.80	1.05
Additional Refrigerant Charging	g/m			
<b>Piping Connections</b>				
Liquid Pipe	ø, Inch	1/4 x 2	1/4 x 2	1/4 x 3
Gas Pipe	ø, Inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2
<b>Piping Length</b>				
Total Piping Length	m	30	30	50
Min/Max	m	3/25	3/25	3/25
<b>Piping Height</b>				
Max Height (D-ID)	m	75	75	75
Max Height (OD-ID)	m	15	15	15



Outdoor unit	A1048TX, J3KG/EU	A1080TX, J4KG/EU	A1100TX, J5KG/EU
<b>Capacity</b>			
Maximum number of connectable indoor units	3	4	5
<b>Capacity</b>			
Cooling (Nominal)	6.8	8.0	10.0
Heating @ +7 °C	8.0	9.3	12.0
Heating @ +5 °C	6.02	7.00	9.03
Heating @ +10 °C	5.14	5.97	7.70
Heating @ +15 °C	4.25	4.94	6.38
<b>Performance</b>			
<b>Energy Efficiency Cooling</b>			
SEER <sup>1</sup>	7.75/ A+++	7.75/ A+++	8.00/ A+++
Power Consumption	293	330	387
Pdesignc	6.5	7.3	8.8
EER	3.78	4.06	3.64
<b>Energy Efficiency Heating</b>			
SCOP <sup>1</sup>	4.32/ A+	4.10/ A+	4.32/ A+
Power Consumption	1,833	2,009	2,564
Pdesignh (Leverage)	5.7	5.9	7.9
COP <sup>1</sup>	4.42	4.37	4.26
<b>Airflow Rate</b>			
Sound Power	475	475	75.0
Sound Pressure	64	64	70
<b>Fan</b>			
Type	Propeller Fan	Propeller Fan	Propeller Fan
Discharge direction	Front (horizontal)	Front (horizontal)	Front (horizontal)
Power	125	125	125
Number of Fans	1	1	1
<b>Operating Temperature Range</b>			
Cooling	-10.0-46.0	-10.0-46.0	-10.0-46.0
Heating	-15-24	-15-24	-15-24
<b>Electrical Data</b>			
Power Source	1Ø, 220-240 V, 50 Hz	1Ø, 220-240 V, 50 Hz	1Ø, 220-240 V, 50 Hz
Compressor Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
<b>Power Consumption</b>			
Cooling	1.80	1.97	2.75
Heating	1.81	2.13	2.82
<b>Operating Current</b>			
Cooling	8.1	8.9	12.2
Heating	8.2	9.5	12.8
<b>Dimensions</b>			
Net Dimensions (W x H x D)	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330
Net Weight	575	575	76.5
<b>Refrigerant</b>			
Type	R32 (contains fluorinated greenhouse gases, GWP = 675)		
Factory Charging	2.00	2.00	2.70
Chargeless Piping Length	30.0	30.0	30.0
Charging Ton equivalent CO <sub>2</sub>	1.35	1.35	1.82
Additional Refrigerant Charging	10	10	10
<b>Piping Connections</b>			
Liquid Pipe	1/4 x 3	1/4 x 4	1/4 x 5
Gas Pipe	3/8 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
<b>Piping Length</b>			
Total Piping Length	50	70	75
Min/Max	3/25	3/25	3/25
<b>Piping Height</b>			
Max Height (D-ID)	75	75	75
Max Height (OD-ID)	15	15	15

<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++. However the SEER, SCOP and energy rating depends on the combination of Indoor Unit which is used with the outdoor unit. It may vary with the different indoor unit.

# Dimensional drawings

## Outdoor units

