

OUTDOOR UNITS

**UNI SPLIT 2 SERIES**

MODEL			ASGE-12BI2	ASGE-18BI2	ASGE-24BI2	ASGE-30BI2
Capacity cooling / heating 1)	Nominal (min-max)	kW	3,5 / 4,0	5,3 / 5,8	7,1 / 8,0	8,5 / 8,8
Power supply		Hz / V	1~ / 50-60 / 220-240	1~ / 50-60 / 220-240	1~ / 50-60 / 220-240	1~ / 50-60 / 220-240
Power input cooling / heating 1)		W	1030 / 1000	1560 / 1470	2030 / 2000	2500 / 2250
Maximal power input 2)		W	1300	1900	2800	3300
Power current cooling / heating		A	4,9 / 4,8	7,5 / 7,0	9,7 / 9,6	11,4 / 10,3
Maximal power current 2)		A	6,0	9,5	14,0	15,0
Air flow of OD	H	m <sup>3</sup> / h	1800	2200	3600	3600
Sound pressure of OD at 1m 4)	H	dB(A)	48	52	55	57
Sound power of OD 4)	H	dB(A)	56	65	69	70
Refrigerant type / charge		Type / kg / t eq. CO <sub>2</sub>	R32 / 0,57 / 0,38	R32 / 0,85 / 0,57	R32 / 1,5 / 1,01	R32 / 1,5 / 1,01
Additional refrigerant		g / m	16	16	20	20
Pipe diameter - liquid side 5)		inch / mm	¼ / 6,4	¼ / 6,4	¾ / 9,5	¾ / 9,5
Pipe diameter - gas side 5)		inch / mm	¾ / 9,5	½ / 12,7	¾ / 15,9	¾ / 15,9
Max pipe length without additional refrigerant 6)		m	5	5	5	5
Allowed pipe length 7)	min / max	m	5 / 30	5 / 30	5 / 30	5 / 30
Max. elevation / Drop height		m	15	20	20	25
Dimension of OD	w × h × d	mm	675 × 553 × 285	745 × 555 × 300	889 × 660 × 340	889 × 660 × 340
Package dimension of OD	w × h × d	mm	794 × 605 × 376	872 × 609 × 398	1032 × 730 × 456	1032 × 730 × 456
Weight of OD	netto / brutto	kg	24,5 / 27,0	30,5 / 33,0	41,5 / 45,0	46,0 / 50,0
Operating temperature range cooling 8)		°C	-20~52	-20~52	-20~52	-20~52
Operating temperature range heating 8)		°C	-20~24	-20~24	-20~24	-20~24
<b>ADDITIONAL TECHNICAL INFORMATION</b>						
Screw holes distance of OD	w × d	mm	455 × 310	512 × 331	570 × 371	570 × 371
Communication cable		mm <sup>2</sup>	4-wire cable *			
Recommended power cable		mm <sup>2</sup>	3 × 1,5	3 × 2,5	3 × 2,5	3 × 2,5
Recommended air switch		A	13	16	16	16
<b>EQUIPMENT</b>						
Throttling method			EXV	EXV	EXV	EXV
Bottom chassis heater			✓	✓	✓	✓
Crankcase heater			Preheating	Preheating	Preheating	Preheating
Bottom plugs for OD			✓	✓	✓	✓
Drain pipe connector			✓	✓	✓	✓
<b>OPTIONAL ACCESSORIES</b>						
Communication module			SCMI-01.5C	SCMI-01.5C	SCMI-01.5C	SCMI-01.5C

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.

\* Cross-section of each wire must correspond to the IEC 60364

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.

It is necessary to combine with an appropriate indoor unit from UNI SPLIT 2 series (ASC-xxBI2, ASD-xxBI2, ASF-xxBI2).

OUTDOOR UNITS

**UNI SPLIT 2 SERIES**

MODEL			ASGE-36B12	ASGE-36B12-3	ASGE-42B12	ASGE-42B12-3
Capacity cooling / heating 1)	Nominal (min-max)	kW	10,5 / 11,5	10,5 / 11,5	12,1 / 13,5	12,1 / 13,5
Power supply		Hz / V	1~ / 50-60 / 220-240	3~ / 50-60 / 380-415	1~ / 50-60 / 220-240	3~ / 50-60 / 380-415
Power input cooling / heating 1)		W	3100 / 2950	3100 / 2950	3900 / 3970	3900 / 3970
Maximal power input 2)		W	4700	4400	5200	5200
Power current cooling / heating		A	14,8 / 14,1	4,9 / 4,7	17,5 / 19,0	6,2 / 6,3
Maximal power current 2)		A	21,0	7,0	23,0	9,0
Air flow of OD	H	m <sup>3</sup> / h	4800	4800	5200	5200
Sound pressure of OD at 1m 4)	H	dB(A)	57	57	58	58
Sound power of OD 4)	H	dB(A)	70	70	73	73
Refrigerant type / charge		Type / kg / t eq. CO <sub>2</sub>	R32 / 2,1 / 1,42	R32 / 2,1 / 1,42	R32 / 2,25 / 1,52	R32 / 2,25 / 1,52
Additional refrigerant		g / m	20	20	20	20
Pipe diameter - liquid side 5)		inch / mm	3/8 / 9,5	3/8 / 9,5	3/8 / 9,5	3/8 / 9,5
Pipe diameter - gas side 5)		inch / mm	5/8 / 15,9	5/8 / 15,9	5/8 / 15,9	5/8 / 15,9
Max pipe length without additional refrigerant 6)		m	5	5	5	5
Allowed pipe length 7)	min / max	m	5 / 75	5 / 75	5 / 75	5 / 75
Max. elevation / Drop height		m	30	30	30	30
Dimension of OD	w × h × d	mm	940 × 820 × 370	940 × 820 × 370	940 × 820 × 370	940 × 820 × 370
Package dimension of OD	w × h × d	mm	1093 × 885 × 497	1093 × 885 × 497	1093 × 885 × 497	1093 × 885 × 497
Weight of OD	netto / brutto	kg	65,0 / 72,0	75,0 / 82,0	66,0 / 73,0	76,0 / 83,0
Operating temperature range cooling 8)		°C	-20~52	-20~52	-20~52	-20~52
Operating temperature range heating 8)		°C	-20~24	-20~24	-20~24	-20~24
<b>ADDITIONAL TECHNICAL INFORMATION</b>						
Screw holes distance of OD	w × d	mm	635 × 396	635 × 396	635 × 396	635 × 396
Communication cable		mm <sup>2</sup>	4-wire cable *			
Recommended power cable		mm <sup>2</sup>	3 × 6,0	5 × 1,5	3 × 6,0	5 × 1,5
Recommended air switch		A	25	10	25	10
<b>EQUIPMENT</b>						
Throttling method			EXV	EXV	EXV	EXV
Bottom chassis heater			✓	✓	✓	✓
Crankcase heater			Preheating	Preheating	Preheating	Preheating
Bottom plugs for OD			✓	✓	✓	✓
Drain pipe connector			✓	✓	✓	✓
<b>OPTIONAL ACCESSORIES</b>						
Communication module			SCMI-01.5C	SCMI-01.5C	SCMI-01.5C	SCMI-01.5C

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## OUTDOOR UNITS

# UNI SPLIT 2 SERIES

MODEL			ASGE-48B12	ASGE-48B12-3	ASGE-60B12-3		
Capacity cooling / heating 1)	Nominal (min-max)	kW	13,4 / 15,5	13,4 / 15,5	16,0 / 17,0		
Power supply		Hz / V	1~ / 50-60 / 220-240	3~ / 50-60 / 380-415	3~ / 50-60 / 380-415		
Power input cooling / heating 1)		W	4600 / 4700	4600 / 4700	5400 / 5700		
Maximal power input 2)		W	5600	5600	6800		
Power current cooling / heating		A	21,0 / 21,5	7,0 / 7,1	9,2 / 9,7		
Maximal power current 2)		A	25,0	11,0	12,0		
Air flow of OD	H	m <sup>3</sup> / h	5200	5200	5500		
Sound pressure of OD at 1m 4)	H	dB(A)	59	59	60		
Sound power of OD 4)	H	dB(A)	73	75	75		
Refrigerant type / charge		Type / kg / t eq. CO <sub>2</sub>	R32 / 2,8 / 1,89	R32 / 2,8 / 1,89	R32 / 3,5 / 2,36		
Additional refrigerant		g / m	35	35	35		
Pipe diameter - liquid side 5)		inch / mm	3/8 / 9,5	3/8 / 9,5	3/8 / 9,5		
Pipe diameter - gas side 5)		inch / mm	3/8 / 15,9	3/8 / 15,9	3/8 / 15,9		
Max pipe length without additional refrigerant 6)		m	7,5	7,5	7,5		
Allowed pipe length 7)	min / max	m	7,5 / 75	7,5 / 75	7,5 / 75		
Max. elevation / Drop height		m	30	30	30		
Dimension of OD	w × h × d	mm	940 × 820 × 370	940 × 820 × 370	990 × 960 × 370		
Package dimension of OD	w × h × d	mm	1093 × 885 × 497	1093 × 885 × 497	1153 × 1110 × 478		
Weight of OD	netto / brutto	kg	73,0 / 80,0	81,0 / 88,0	94,0 / 103,0		
Operating temperature range cooling 8)		°C	-20~52	-20~52	-20~52		
Operating temperature range heating 8)		°C	-20~24	-20~24	-20~24		
<b>ADDITIONAL TECHNICAL INFORMATION</b>							
Screw holes distance of OD	w × d	mm	635 × 396	635 × 396	755 × 396		
Communication cable		mm <sup>2</sup>	4-wire cable *				
Recommended power cable		mm <sup>2</sup>	3 × 10,0	5 × 1,5	5 × 1,5		
Recommended air switch		A	32	13	13		
<b>EQUIPMENT</b>							
Throttling method			EXV	EXV	EXV		
Bottom chassis heater			✓	✓	✓		
Crankcase heater			Preheating	Preheating	Preheating		
Bottom plugs for OD			✓	✓	✓		
Drain pipe connector			✓	✓	✓		
<b>OPTIONAL ACCESSORIES</b>							
Communication module			SCM1-01.5C	SCM1-01.5C	SCM1-01.5C		

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R32 (single component refrigerant HFC), GWP of refrigerant used: 675.

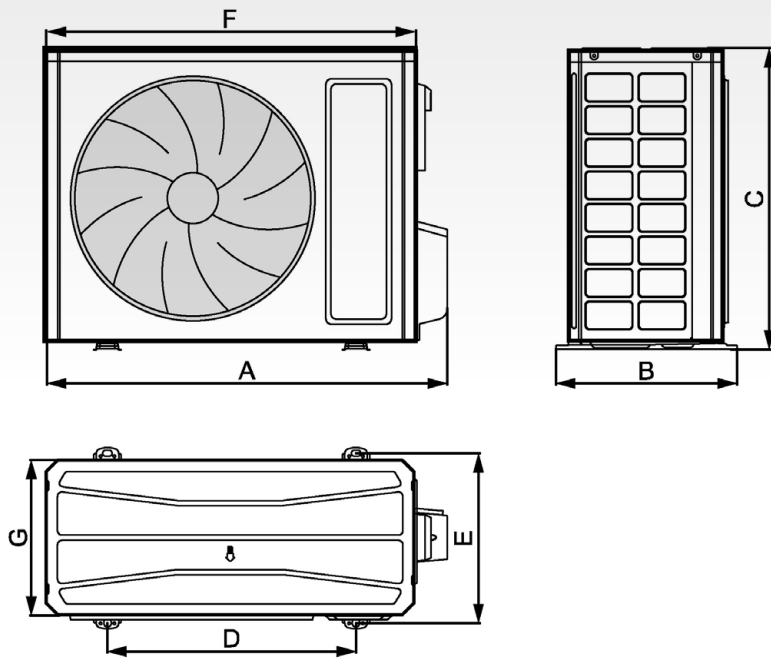
Contains fluorinated greenhouse gases covered by the Kyoto Protocol.

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APPEARANCE AND DIMENSIONS OF OUTDOOR UNIT

**UNI SPLIT 2 SERIES**



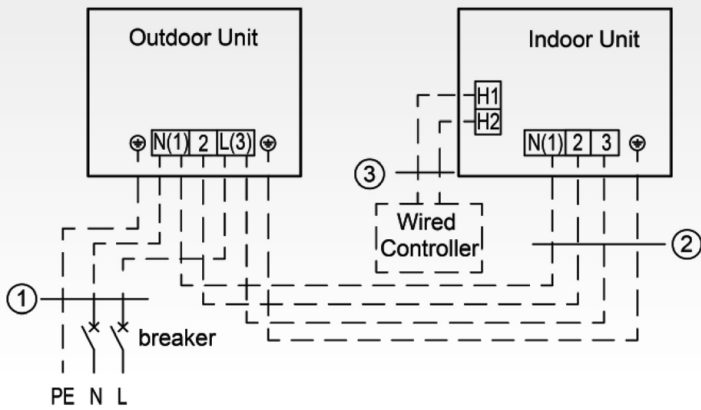
	A	B	C	D	E	F	G
ASGE-12BI2	732	330	553	455	310	675	285
ASGE-18BI2	802	350	555	512	331	745	300
ASGE-24BI2	958	402	660	570	371	889	340
ASGE-30BI2	958	402	660	570	371	889	340
ASGE-36BI2	1020	427	820	635	396	940	370
ASGE-36BI-3	1020	427	820	635	396	940	370
ASGE-42BI2	1020	427	820	635	396	940	370
ASGE-42BI-3	1020	427	820	635	396	940	370
ASGE-48BI2	1020	427	820	635	396	940	370
ASGE-48BI-3	1020	427	820	635	396	940	370
ASGE-60BI-3	1070	427	960	755	396	990	370

units: mm

ELECTRICAL WIRING DIAGRAM

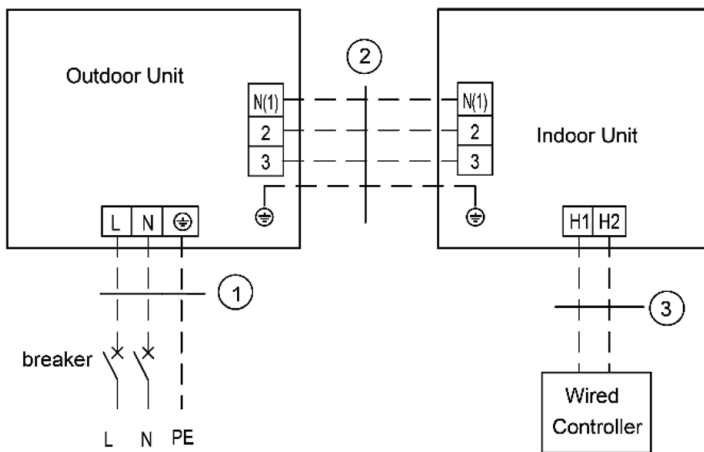
**UNI SPLIT 2 SERIES**

ASGE-12BI2, ASGE-18BI2, ASGE-24BI2, ASGE-30BI2



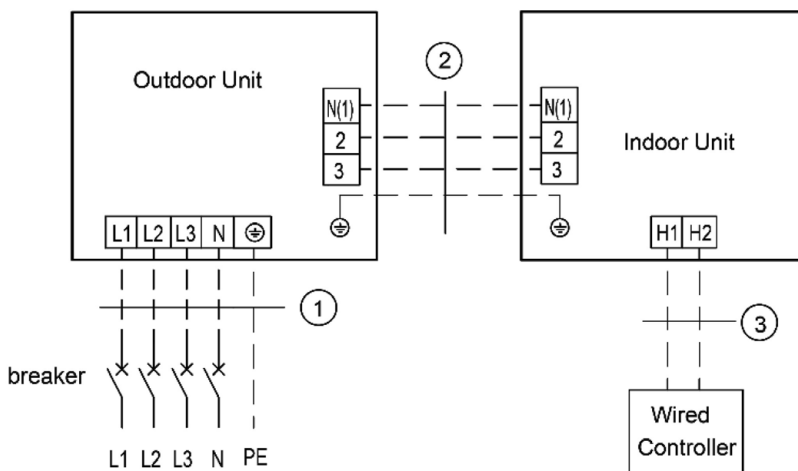
Power:220-240V ~50/60Hz

ASGE-36BI2, ASGE-42BI2, ASGE-48BI2



Power:220-240V ~ 50/60Hz

ASGE-36BI2-3, ASGE-42BI2-3, ASGE-48BI2-3, ASGE-60BI2-3,



Power:380-415V 3N ~ 50/60Hz