

FLOOR CEILING INDOOR UNITS

NEW UNI DC INVERTER SERIES

MODEL			ASF-09AIN	ASF-12AIN	ASF-18AIN	ASF-24AIN	
Capacity cooling/heating 1)	Nominal	kW	2,7 / 2,9	3,5 / 3,8	5,0 / 5,6	7,0 / 8,0	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Energy class cooling 3)		-	A++	A++	A++	A+	
Pdesign cooling		kW	2,7	3,5	5,0	7,0	
SEER		-	6,1	6,1	6,1	5,6	
Annual power consumption		kWh / annum	155	201	287	438	
Energy class heating 3)	Aver./Warm./Cool.	-	A	A+	A+	A+	
Pdesign heating	Average climate	kW	2,9	3,0	4,5	7,0	
SCOP	Average climate	-	3,8	4,0	4,0	4,0	
Annual power consumption	Average climate	kWh / annum	1069	1050	1575	2450	
Air flow of ID	H/M/L	m³ / h	600 / 550 / 450	700 / 600 / 500	1000 / 900 / 800	1200 / 1000 / 900	
Sound pressure of ID 4)	SH/H/M/L	dB(A)	37 / 35 / 32 / 28	40 / 38 / 35 / 31	44 / 42 / 38 / 32	49 / 48 / 46 / 40	
Sound power of ID 4)	SH/H/M/L	dB(A)	47/45/42/38	50/48/45/41	54/52/48/42	59/58/56/50	
External static pressure	nom/min-max		-	-	-	-	
Dehumidifying volume		l / h	0,9	1,2	1,6	2,1	
Refrigerant type	Type		R410A	R410A	R410A	R410A	
Pipe diameter - liquid side 5)		inch / mm	¼ / 6,4	¼ / 6,4	¼ / 6,4	¼ / 9,5	
Pipe diameter - gas side 5)		inch / mm	¾ / 19,5	¾ / 19,5	¾ / 12,7	¾ / 15,9	
Dimension of ID	w x h x d	mm	1220x225x700	1220x225x700	1220x225x700	1220x225x700	
Dimension of panel	w x h x d	mm	-	-	-	-	
Package dimension of ID	w x h x d	mm	1343x315x823	1343x315x823	1343x315x823	1343x315x823	
Package dimension of panel	w x h x d	mm	-	-	-	-	
Weight of ID	netto / brutto	kg	38,0 / 47,0	39,0 / 48,0	39,0 / 48,0	40,0 / 50,0	
Weight of panel	netto / brutto	kg	-	-	-	-	
Set temperature range		°C	16-30	16-30	16-30	16-30	
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance	w x d	mm	See service manual				
Communication cable		mm²	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75	
Recommended power cable		mm²	3 x 1,0	3 x 1,0	3 x 1,0	3 x 1,0	
Recommended air switch		A	6	6	6	6	
EQUIPMENT							
Plasma generator			no	no	no	no	
Wifi module			no	no	no	no	
Drain pump			no	no	no	no	
Max. lift (from bottom of ID unit)		mm	-	-	-	-	
Dry contact (ON/OFF)			yes	yes	yes	yes	
Alarm contact			yes	yes	yes	yes	
Fresh air inlet			no	no	no	no	
STANDARD ACCESSORIES							
Standard health filter			-	-	-	-	
Remote controller (IR)			Y1B1FA	Y1B1FA	Y1B1FA	Y1B1FA	
Wired controller			XK60	XK60	XK60	XK60	
OPTIONAL ACCESSORIES							
Optional health filters			-	-	-	-	
Wired controller			-	-	-	-	
Central controller			SCC-16	SCC-16	SCC-16	SCC-16	
Other			G2S	G2S	G2S	G2S	

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R410A (50% HFC-32, 50% HFC-125), GWP 2088

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 outdoor unit from NEW UNI DC INVERTER series (ASGE-xxAIN WK, ASGE-xxAIN-3 WK).

NEW UNI DC INVERTER SERIES

MODEL			ASF-36AIN	ASF-42AIN	ASF-48AIN	ASF-60AIN	
Capacity cooling/heating 1)	Nominal	kW	10,0 / 12,0	11,5 / 13,5	14,0 / 16,0	16,0 / 17,0	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Energy class cooling 3)		-	A++	A+	A+	A	
Pdesign cooling		kW	10,0	11,5	14,0	16,0	
SEER		-	6,1	5,6	5,6	5,1	
Annual power consumption		kWh / annum	574	719	875	1099	
Energy class heating 3)	Aver./Warm./Cool.	-	A+	A+	A+	A+	
Pdesign heating	Average climate	kW	10,4	10,5	12,0	13,0	
SCOP	Average climate	-	4,0	4,0	4,0	4,0	
Annual power consumption	Average climate	kWh / annum	3640	3675	4200	4550	
Air flow of ID	H/M/L	m³ / h	1900 / 1630 / 1520	1900 / 1630 / 1520	2300 / 2100 / 1900	2500 / 2100 / 1900	
Sound pressure of ID 4)	SH/H/M/L	dB(A)	54 / 53 / 51 / 46	55 / 54 / 52 / 47	57 / 55 / 50 / 46	58 / 56 / 51 / 46	
Sound power of ID 4)	SH/H/M/L	dB(A)	64/63/61/56	65/64/62/57	67/65/60/56	68/66/61/56	
External static pressure	nom/min-max		-	-	-	-	
Dehumidifying volume		l / h	3,2	3,4	4,2	4,8	
Refrigerant type	Type		R410A	R410A	R410A	R410A	
Pipe diameter - liquid side 5)	inch / mm		¾ / 9,5	¾ / 9,5	¾ / 9,5	¾ / 9,5	
Pipe diameter - gas side 5)	inch / mm		¾ / 15,9	¾ / 15,9	¾ / 15,9	¾ / 19,1	
Dimension of ID	w x h x d	mm	1420x245x700	1420x245x700	1700x245x700	1700x245x700	
Dimension of panel	w x h x d	mm	-	-	-	-	
Package dimension of ID	w x h x d	mm	1548x345x828	1548x345x828	1828x345x828	1828x345x828	
Package dimension of panel	w x h x d	mm	-	-	-	-	
Weight of ID	netto / brutto	kg	48,0 / 56,0	50,0 / 58,0	59,0 / 68,0	59,0 / 68,0	
Weight of panel	netto / brutto	kg	-	-	-	-	
Set temperature range		°C	16-30	16-30	16-30	16-30	
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance	w x d	mm	See service manual				
Communication cable		mm²	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75	
Recommended power cable		mm²	3 x 1,0	3 x 1,0	3 x 1,0	3 x 1,0	
Recommended air switch		A	6	6	6	6	
EQUIPMENT							
Plasma generator			no	no	no	no	
Wifi module			no	no	no	no	
Drain pump			no	no	no	no	
Max. lift (from bottom of ID unit)		mm	-	-	-	-	
Dry contact (ON/OFF)			yes	yes	yes	yes	
Alarm contact			yes	yes	yes	yes	
Fresh air inlet			no	no	no	no	
STANDARD ACCESSORIES							
Standard health filter			-	-	-	-	
Remote controller (IR)			Y1B1FA	Y1B1FA	Y1B1FA	Y1B1FA	
Wired controller			XK60	XK60	XK60	XK60	
OPTIONAL ACCESSORIES							
Optional health filters			-	-	-	-	
Wired controller			-	-	-	-	
Central controller			SCC-16	SCC-16	SCC-16	SCC-16	
Other			G2S	G2S	G2S	G2S	

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R410A (50% HFC-32, 50% HFC-125), GWP 2088

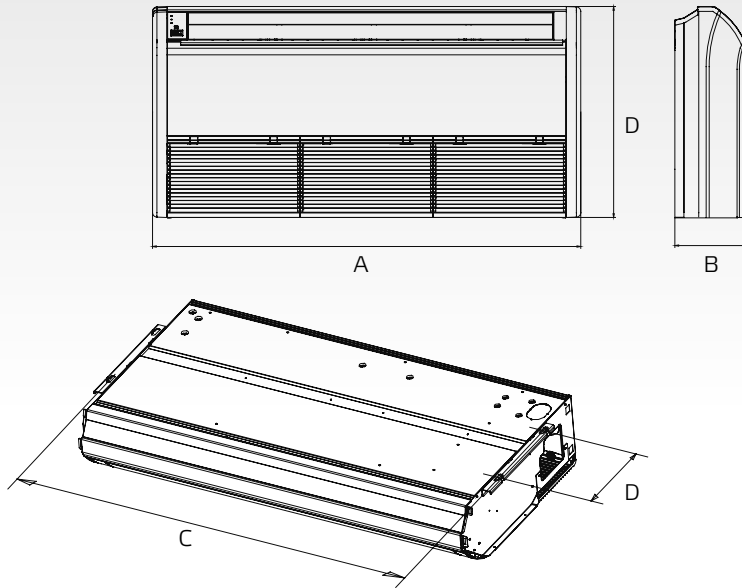
Contains fluorinated greenhouse gases covered by the Kyoto Protocol.

Explanatory notes on the very last page of the catalogue.

It is necessary to combine with an appropriate outdoor unit from NEW UNI DC INVERTER series (ASGE-xxAIN WK, ASGE-xxAIN-3 WK).

APPEARANCE AND DIMENSIONS OF FLOOR CEILING INDOOR UNITS

NEW UNI DC INVERTER SERIES

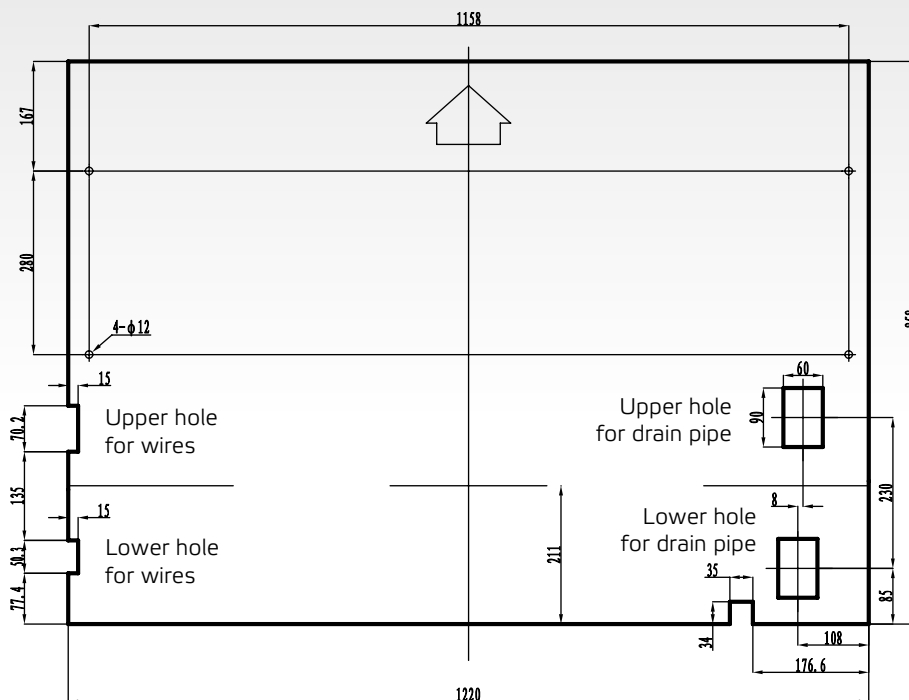


units: mm

	A	B	C	D	H
ASF-09AIN	1220	225	1158	280	700
ASF-12AIN					
ASF-18AIN					
ASF-24AIN	1420	245	1354	280	700
ASF-36AIN					
ASF-42AIN					
ASF-48AIN					
ASF-60AIN	1700	245	1634	280	700

INSTALLATION TEMPLATE ASF-12AIN, ASF-18AIN, ASF-24AIN

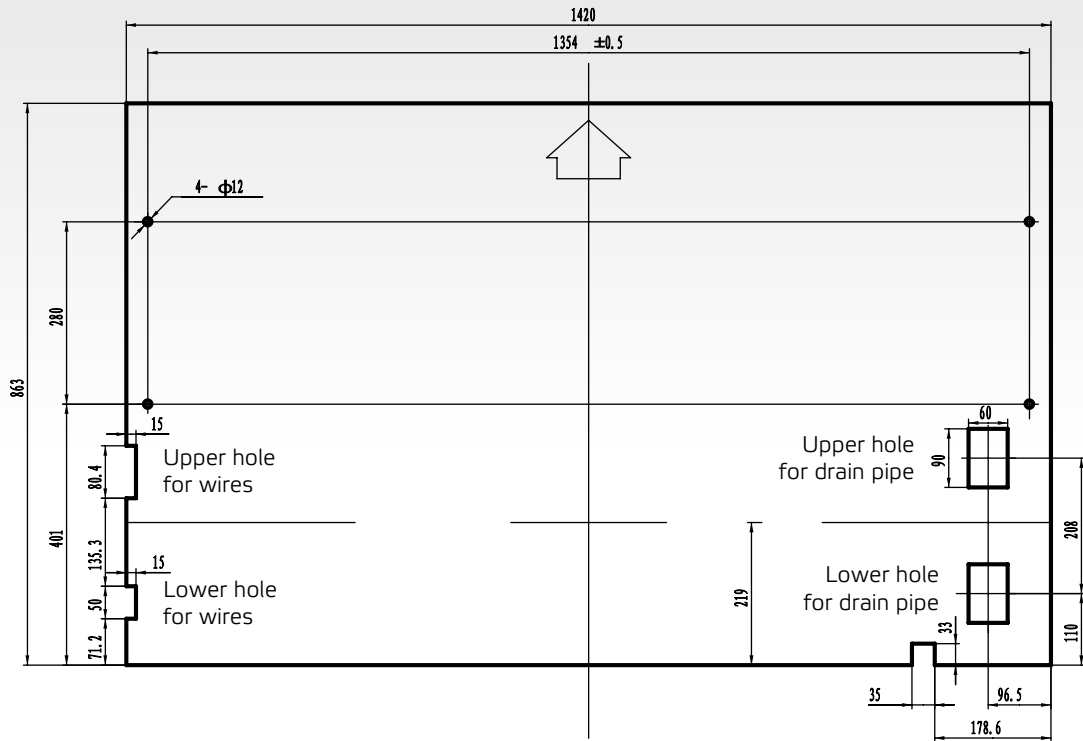
NEW UNI DC INVERTER SERIES



units: mm

INSTALLATION TEMPLATE ASF-36AIN, ASF-42AIN

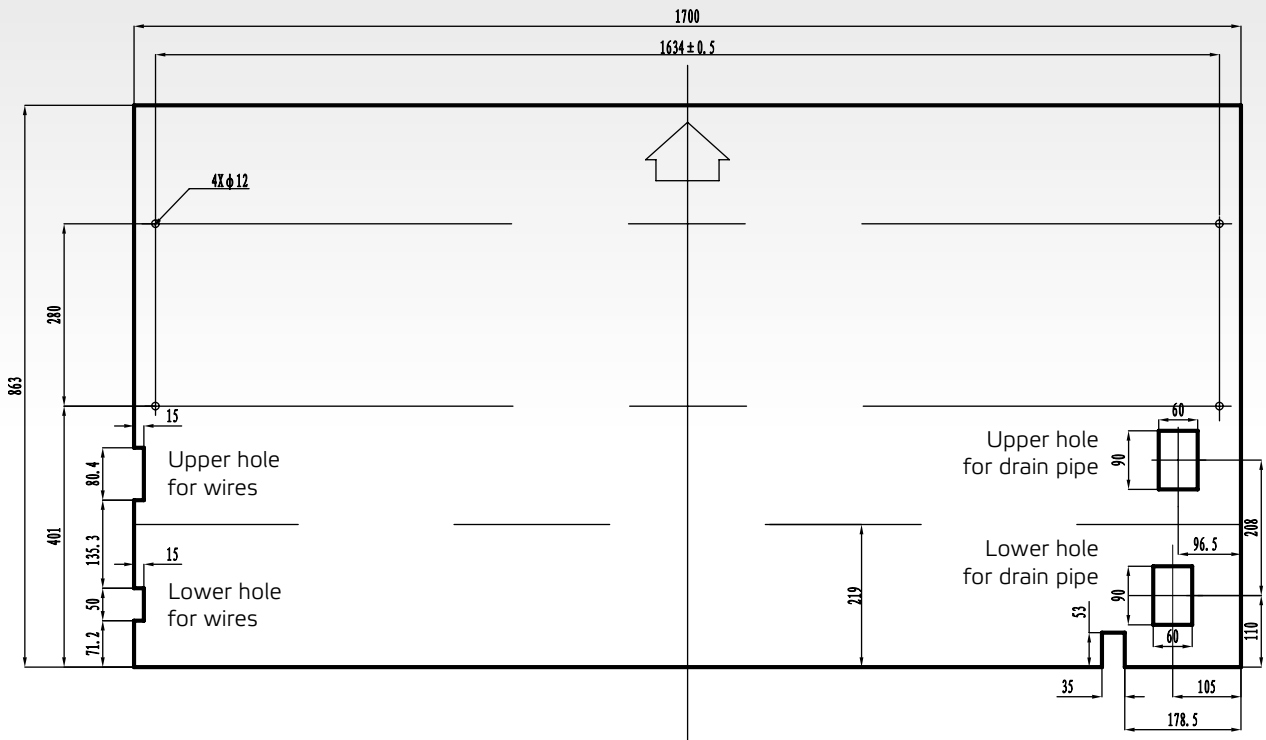
NEW UNI DC INVERTER SERIES



units: mm

INSTALLATION TEMPLATE ASF-48AIN, ASF-60AIN

NEW UNI DC INVERTER SERIES

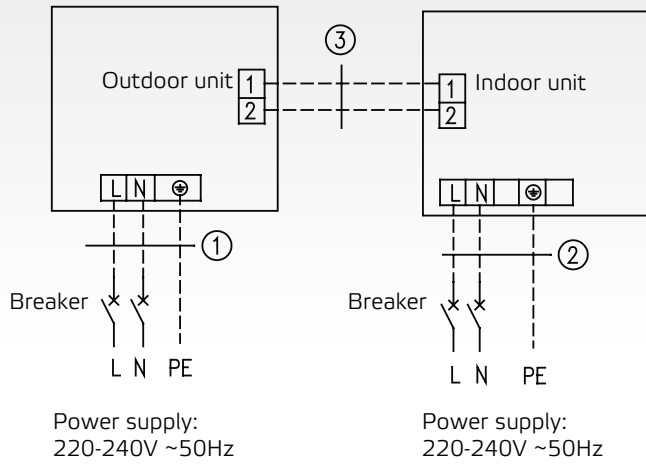


units: mm

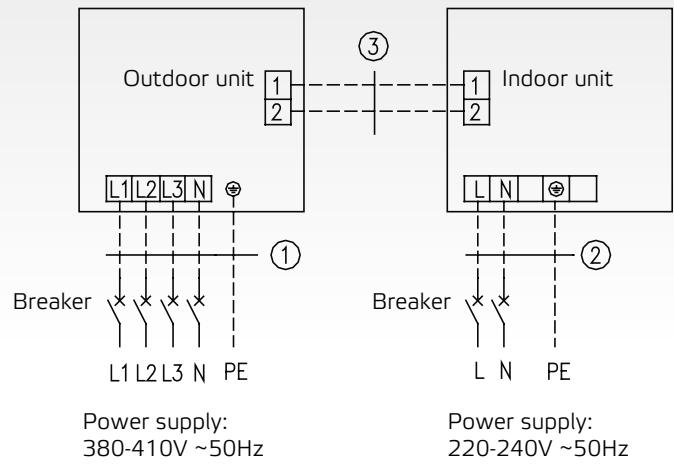
ELECTRICAL WIRING DIAGRAM

NEW UNI DC INVERTER SERIES

CONNECTION OF 1 PHASE OUTDOOR UNIT



CONNECTION OF 3 PHASE OUTDOOR UNIT



1 Outdoor unit power supply **2** Indoor unit power supply **3** Communication cable

NEW UNI DC INVERTER SERIES

MODEL			ASC-12AIN	ASC-18AIN	ASC-24AIN	ASC-36AIN	
Capacity cooling/heating 1)	Nominal	kW	3,5 / 3,8	5,0 / 5,6	7,0 / 8,0	10,0 / 12,0	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Energy class cooling 3)		-	A+	A+	A++	A++	
Pdesign cooling		kW	3,5	5,0	7,0	10,0	
SEER		-	5,6	5,6	6,1	6,1	
Annual power consumption		kWh / annum	219	313	402	574	
Energy class heating 3)	Aver./Warm./Cool.	-	A+	A	A+	A+	
Pdesign heating	Average climate	kW	3,0	4,5	7,2	10,4	
SCOP	Average climate	-	4,0	3,8	4,0	4,0	
Annual power consumption	Average climate	kWh / annum	1050	1658	2520	3640	
Air flow of ID	H	m ³ / h	700	760	1300	1860	
Sound pressure of ID 4)	SH/H/M/L	dB(A)	46 / 45 / 43 / 37	47 / 46 / 44 / 37	47 / 46 / 42 / 38	51 / 49 / 46 / 43	
Sound power of ID 4)	SH/H/M/L	dB(A)	56/55/53/47	57/56/54/47	57/56/52/48	61/59/56/53	
External static pressure	nom/min-max		-	-	-	-	
Dehumidifying volume		l / h	1,2	1,8	2,4	3,4	
Refrigerant type	Type		R410A	R410A	R410A	R410A	
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	¾ / 12,7	¾ / 15,9	¾ / 15,9	
Dimension of ID	w x h x d	mm	596x240x596	596x240x596	840x240x840	840x320x840	
Dimension of panel	w x h x d	mm	670x670x50	670x670x50	950x950x60	950x950x60	
Package dimension of ID	w x h x d	mm	773x733x300	773x733x300	963x963x325	963x963x409	
Package dimension of panel	w x h x d	mm	763x763x105	763x763x105	1028x1043x130	1028x1043x130	
Weight of ID	netto / brutto	kg	20,0 / 24,0	20,0 / 24,0	26,0 / 32,0	31,0 / 38,0	
Weight of panel	netto / brutto	kg	3,5 / 5,0	3,5 / 5,0	7,0 / 11,0	7,0 / 11,0	
Set temperature range		°C	16-30	16-30	16-30	16-30	
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance	w x d	mm	See service manual		780 x 680	780 x 680	
Communication cable		mm ²	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75	
Recommended power cable		mm ²	3 x 1,0	3 x 1,0	3 x 1,0	3 x 1,0	
Recommended air switch		A	6	6	6	6	
EQUIPMENT							
Plasma generator			no	no	no	no	
Wifi module			no	no	no	no	
Drain pump			yes	yes	yes	yes	
Max. lift (from bottom of ID unit)		mm	1000	1000	1000	1000	
Dry contact (ON/OFF)			yes	yes	yes	yes	
Alarm contact			yes	yes	yes	yes	
Fresh air inlet			yes	yes	yes	yes	
STANDARD ACCESSORIES							
Standard health filter			-	-	-	-	
Remote controller (IR)			Y1B1FA	Y1B1FA	Y1B1FA	Y1B1FA	
Wired controller			XK60	XK60	XK60	XK60	
OPTIONAL ACCESSORIES							
Optional health filters			-	-	-	-	
Wired controller			-	-	-	-	
Central controller			SCC-16	SCC-16	SCC-16	SCC-16	
Other			G2S	G2S	G2S	G2S	

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R410A (50% HFC-32, 50% HFC-125), GWP 2088

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 outdoor unit from NEW UNI DC INVERTER series (ASGE-xxAIN WK, ASGE-xxAIN-3 WK).

CASSETTE INDOOR UNITS

NEW UNI DC INVERTER SERIES

MODEL			ASC-42AIN	ASC-48AIN	ASC-60AIN		
Capacity cooling/heating 1)	Nominal	kW	11,5 / 13,5	14,0 / 16,0	16,0 / 17,0		
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240		
Energy class cooling 3)		-	A++	A+	A++		
Pdesign cooling		kW	11,0	14,0	16,0		
SEER		-	6,1	5,6	6,1		
Annual power consumption		kWh / annum	632	875	918		
Energy class heating 3)	Aver./Warm./Cool.	-	A+	A	A+		
Pdesign heating	Average climate	kW	9,5	11,8	13,0		
SCOP	Average climate	-	4,0	3,8	4,0		
Annual power consumption	Average climate	kWh / annum	3325	4348	4550		
Air flow of ID	H	m ³ / h	1860	2300	2400		
Sound pressure of ID 4)	SH/H/M/L	dB(A)	51 / 49 / 46 / 43	53 / 52 / 47 / 41	54 / 53 / 47 / 41		
Sound power of ID 4)	SH/H/M/L	dB(A)	61/59/56/53	63/62/57/51	64/63/57/51		
External static pressure	nom/min-max		-	-	-		
Dehumidifying volume		l / h	3,7	4,5	5,0		
Refrigerant type		Type	R410A	R410A	R410A		
Pipe diameter - liquid side 5)		inch / mm	¾ / 9,5	¾ / 9,5	¾ / 9,5		
Pipe diameter - gas side 5)		inch / mm	¾ / 15,9	¾ / 15,9	¾ / 19,1		
Dimension of ID	w x h x d	mm	840x320x840	910x290x910	910x290x910		
Dimension of panel	w x h x d	mm	950x950x60	1040x1040x65	1040x1040x65		
Package dimension of ID	w x h x d	mm	963x963x409	1023x993x375	1023x993x375		
Package dimension of panel	w x h x d	mm	1028x1043x130	1137x1137x140	1137x1137x140		
Weight of ID	netto / brutto	kg	31,0 / 38,0	43,0 / 50,0	43,0 / 50,0		
Weight of panel	netto / brutto	kg	7,0 / 11,0	8,0 / 12,0	8,0 / 12,0		
Set temperature range		°C	16-30	16-30	16-30		
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance	w x d	mm	780 x 680	840 x 787	840 x 787		
Communication cable		mm ²	2 x 0,75	2 x 0,75	2 x 0,75		
Recommended power cable		mm ²	3 x 1,0	3 x 1,0	3 x 1,0		
Recommended air switch		A	6	6	6		
EQUIPMENT							
Plasma generator			no	no	no		
Wifi module			no	no	no		
Drain pump			yes	yes	yes		
Max. lift (from bottom of ID unit)		mm	1000	1000	1000		
Dry contact (ON/OFF)			yes	yes	yes		
Alarm contact			yes	yes	yes		
Fresh air inlet			yes	yes	yes		
STANDARD ACCESSORIES							
Standard health filter			-	-	-		
Remote controller (IR)			Y1B1FA	Y1B1FA	Y1B1FA		
Wired controller			XK60	XK60	XK60		
OPTIONAL ACCESSORIES							
Optional health filters			-	-	-		
Wired controller			-	-	-		
Central controller			SCC-16	SCC-16	SCC-16		
Other			G2S	G2S	G2S		

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R410A (50% HFC-32, 50% HFC-125), GWP 2088

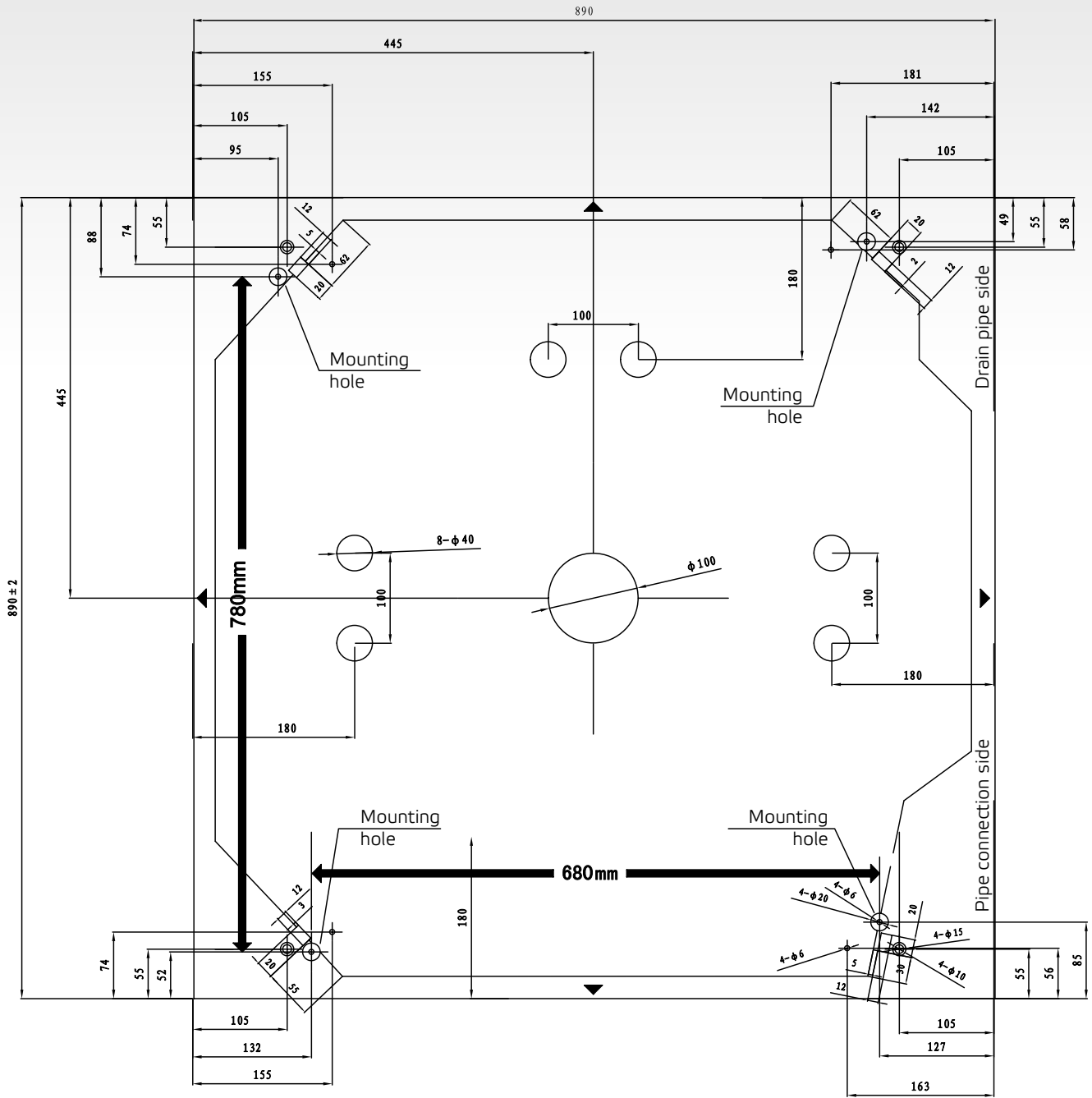
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INSTALLATION TEMPLATE ASC-24AIN, ASC-36AIN, ASC-42AIN

NEW UNI DC INVERTER SERIES



units: mm

NEW UNI DC INVERTER SERIES

MODEL			ASD-09AIN	ASD-12AIN	ASD-18AIN	ASD-24AIN	
Capacity cooling/heating 1)	Nominal	kW	2,7 / 2,9	3,5 / 3,8	5,0 / 5,6	7,0 / 8,0	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Energy class cooling 3)		-	A+	A+	A+	A++	
Pdesign cooling		kW	2,7	3,5	5,0	7,0	
SEER		-	5,6	5,6	5,6	6,1	
Annual power consumption		kWh / annum	169	219	313	402	
Energy class heating 3)	Aver./Warm./Cool.	-	A	A+	A	A+	
Pdesign heating	Average climate	kW	2,8	3,0	4,5	7,0	
SCOP	Average climate	-	3,8	4,0	3,8	4,0	
Annual power consumption	Average climate	kWh / annum	1032	1050	1658	2450	
Air flow of ID	H	m³ / h	650	750	1000	1400	
Sound pressure of ID 4)	SH/H/M/L	dB(A)	36 / 35 / 33 / 28	37 / 36 / 34 / 28	40 / 39 / 36 / 28	47 / 46 / 44 / 40	
Sound power of ID 4)	SH/H/M/L	dB(A)	46/45/43/38	47/46/44/38	50/49/46/38	57/56/54/50	
External static pressure	nom/min-max		25 / 0-30	25 / 0-30	25 / 0-30	25 / 0-100	
Dehumidifying volume		l / h	0,7	0,9	1,4	1,9	
Refrigerant type		Type	R410A	R410A	R410A	R410A	
Pipe diameter - liquid side 5)		inch / mm	¼ / 6,4	¼ / 6,4	¼ / 6,4	¼ / 9,5	
Pipe diameter - gas side 5)		inch / mm	¾ / 19,5	¾ / 19,5	½ / 12,7	¾ / 15,9	
Dimension of ID	w x h x d	mm	925x250x665	1035x265x720	1035x265x720	1280x270x560	
Dimension of panel	w x h x d	mm	-	-	-	-	
Package dimension of ID	w x h x d	mm	1023x748x320	1123x798x323	1123x798x323	1348x597x283	
Package dimension of panel	w x h x d	mm	-	-	-	-	
Weight of ID	netto / brutto	kg	27,0 / 32,0	33,0 / 38,0	33,0 / 38,0	34,0 / 39,0	
Weight of panel	netto / brutto	kg	-	-	-	-	
Set temperature range		°C	16-30	16-30	16-30	16-30	
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance	w x d	mm	840 x 787	945 x 620	945 x 620	1100 x 515	
Communication cable		mm²	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75	
Recommended power cable		mm²	3 x 1,0	3 x 1,0	3 x 1,0	3 x 1,0	
Recommended air switch		A	6	6	6	6	
EQUIPMENT							
Plasma generator			no	no	no	no	
Wifi module			no	no	no	no	
Drain pump			yes	yes	yes	yes	
Max. lift (from bottom of ID unit)		mm	1000	1000	1000	1000	
Dry contact (ON/OFF)			yes	yes	yes	yes	
Alarm contact			yes	yes	yes	yes	
Fresh air inlet			yes	yes	yes	yes	
STANDARD ACCESSORIES							
Standard health filter			-	-	-	-	
Remote controller (IR)			Y1B1FA	Y1B1FA	Y1B1FA	Y1B1FA	
Wired controller			XK60	XK60	XK60	XK60	
OPTIONAL ACCESSORIES							
Optional health filters			-	-	-	-	
Wired controller			-	-	-	-	
Central controller			SCC-16	SCC-16	SCC-16	SCC-16	
Other			G2S	G2S	G2S	G2S	

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NEW UNI DC INVERTER SERIES

MODEL			ASD-36AIN	ASD-42AIN	ASD-48AIN	ASD-60AIN	
Capacity cooling/heating 1)	Nominal	kW	10,0 / 12,0	11,5 / 13,5	14,0 / 16,0	16,0 / 17,0	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Energy class cooling 3)		-	A+	A+	A+	A+	
Pdesign cooling		kW	10,0	11,5	14,0	16,0	
SEER		-	5,6	5,6	5,6	5,6	
Annual power consumption		kWh / annum	625	719	875	1000	
Energy class heating 3)	Aver./Warm./Cool.	-	A+	A+	A	A	
Pdesign heating	Average climate	kW	10,4	10,5	11,9	13,0	
SCOP	Average climate	-	4,0	4,0	3,8	3,8	
Annual power consumption	Average climate	kWh / annum	3640	3675	4385	4790	
Air flow of ID	H	m³ / h	2100	2100	2400	3000	
Sound pressure of ID 4)	SH/H/M/L	dB(A)	53 / 52 / 48 / 44	53 / 52 / 48 / 44	55 / 53 / 49 / 45	56 / 55 / 51 / 46	
Sound power of ID 4)	SH/H/M/L	dB(A)	63/62/58/54	63/62/58/54	65/63/59/55	66/65/61/56	
External static pressure	nom/min-max		37 / 0-150	37 / 0-150	50 / 0-150	50 / 0-150	
Dehumidifying volume		l / h	2,7	3,0	3,8	4,6	
Refrigerant type		Type	R410A	R410A	R410A	R410A	
Pipe diameter - liquid side 5)		inch / mm	¾ / 9,5	¾ / 9,5	¾ / 9,5	¾ / 9,5	
Pipe diameter - gas side 5)		inch / mm	¾ / 15,9	¾ / 15,9	¾ / 15,9	¾ / 19,1	
Dimension of ID	w x h x d	mm	1225x290x775	1225x290x775	1340x350x750	1340x350x750	
Dimension of panel	w x h x d	mm	-	-	-	-	
Package dimension of ID	w x h x d	mm	1338x877x305	1338x877x305	1423x837x455	1423x837x455	
Package dimension of panel	w x h x d	mm	-	-	-	-	
Weight of ID	netto / brutto	kg	46,0 / 53,0	46,0 / 53,0	56,0 / 65,0	57,0 / 65,0	
Weight of panel	netto / brutto	kg	-	-	-	-	
Set temperature range		°C	16-30	16-30	16-30	16-30	
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance	w x d	mm	1010 x 750	1010 x 750	1170 x 645	1170 x 645	
Communication cable		mm²	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75	
Recommended power cable		mm²	3 x 1,0	3 x 1,0	3 x 1,0	3 x 1,0	
Recommended air switch		A	6	6	6	6	
EQUIPMENT							
Plasma generator			no	no	no	no	
Wifi module			no	no	no	no	
Drain pump			yes	yes	yes	yes	
Max. lift (from bottom of ID unit)		mm	1000	1000	1000	1000	
Dry contact (ON/OFF)			yes	yes	yes	yes	
Alarm contact			yes	yes	yes	yes	
Fresh air inlet			yes	yes	yes	yes	
STANDARD ACCESSORIES							
Standard health filter			-	-	-	-	
Remote controller (IR)			Y1B1FA	Y1B1FA	Y1B1FA	Y1B1FA	
Wired controller			XK60	XK60	XK60	XK60	
OPTIONAL ACCESSORIES							
Optional health filters			-	-	-	-	
Wired controller			-	-	-	-	
Central controller			SCC-16	SCC-16	SCC-16	SCC-16	
Other			G2S	G2S	G2S	G2S	

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R410A (50% HFC-32, 50% HFC-125), GWP 2088

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.

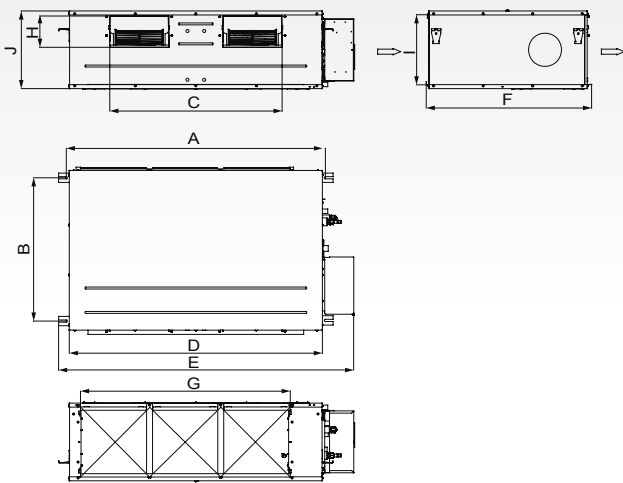
Explanatory notes on the very last page of the catalogue.

It is necessary to combine with an appropriate outdoor unit from NEW UNI DC INVERTER series (ASGE-xxAIN WK, ASGE-xxAIN-3 WK).

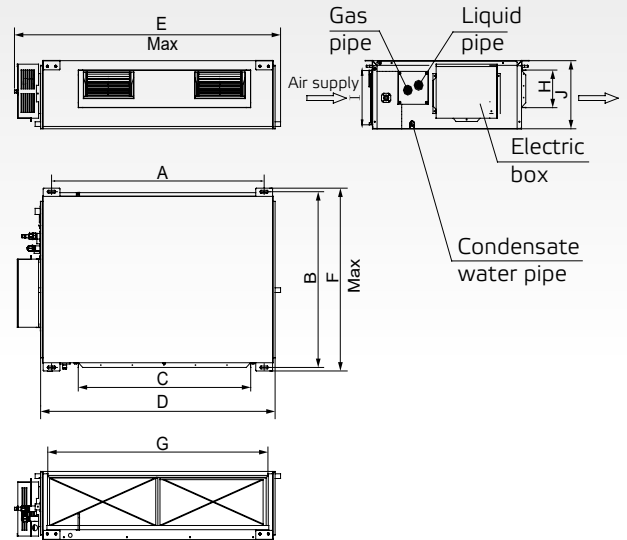
APPEARANCE AND DIMENSIONS OF DUCT INDOOR UNITS

NEW UNI DC INVERTER SERIES

ASD-09AIN, ASD-18AIN, ASD-48AIN, ASD-60AIN



ASD-24AIN, ASD-36AIN, ASD-42AIN



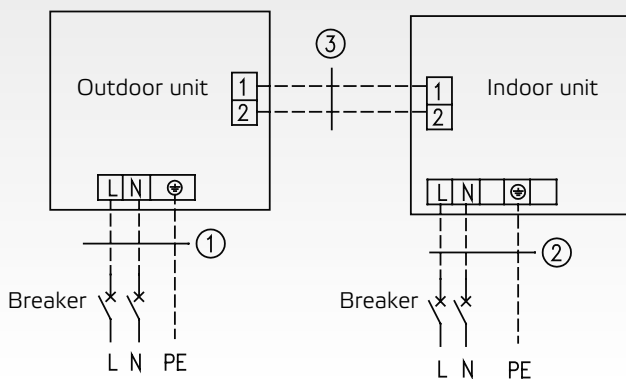
	A	B	C	D	E	F	G	H	I	J
ASD-09AIN	840	561	635	790	883	665	738	125	203	250
ASD-12AIN	932	430	738	892	998	721	738	125	203	266
ASD-18AIN										
ASD-24AIN	1101	515	820	1159	1239	558	1002	160	235	268
ASD-36AIN	1011	748	820	1115	1226	775	979	160	231	290
ASD-42AIN										
ASD-48AIN	1177	646	852	1150	1340	750	953	190	316	350
ASD-60AIN										

units: mm

ELECTRICAL WIRING DIAGRAM

NEW UNI DC INVERTER SERIES

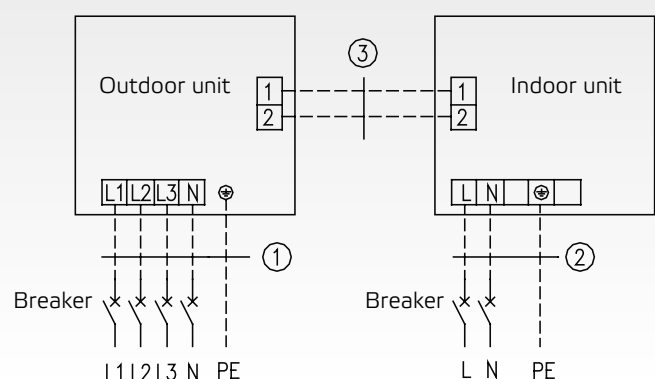
CONNECTION OF 1 PHASE OUTDOOR UNIT



Power supply:
220-240V ~50Hz

Power supply:
220-240V ~50Hz

CONNECTION OF 3 PHASE OUTDOOR UNIT



Power supply:
380-410V ~50Hz

Power supply:
220-240V ~50Hz

1 Outdoor unit power supply 2 Indoor unit power supply 3 Communication cable

OUTDOOR UNITS

NEW UNI DC INVERTER SERIES

MODEL			ASGE-09AIN WK	ASGE-12AIN WK	ASGE-18AIN WK	ASGE-24AIN WK	ASGE-36AIN WK
Capacity cooling/heating 1)	Nominal (min-max)	kW	2,7 (0,8-3,5) / 2,9 (0,8-3,8)	3,5 (0,9-3,9) / 3,8 (0,9-4,1)	5,0 (1,6-5,8) / 5,6 (1,4-6,8)	7,0 (2,4-8,2) / 8,0 (2,4-9,0)	10,0 (3,2-11,5) / 12,0 (2,9-14,5)
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Power input cooling/heating 1)		W	840 / 800	1090 / 1050	1550 / 1550	2180 / 2210	3200 / 3400
Maximal power input 2)		W	1700	1900	2500	4000	4850
Power current cooling/heating		A	3,9 / 3,7	5,0 / 4,9	7,2 / 7,2	10,10 / 10,20	15,00 / 15,80
Maximal power current 2)		A	8,0	8,9	11,5	18,4	22,5
Air flow of ID	H	m ³ / h	1800	1800	3200	4000	5100
Sound pressure of ID 4)	H	dB(A)	52	52	56	57	63
Sound power of ID 4)	H	dB(A)	62	62	64	65	70
Refrigerant type/charge		Type / kg / t eq. CO ₂	R410A / 1,2 / 2,51	R410A / 1,2 / 2,51	R410A / 1,4 / 2,92	R410A / 2,2 / 4,59	R410A / 3,5 / 7,31
Additional refrigerant		g / m	30	30	30	60	60
Pipe diameter - liquid side 5)		inch / mm	¼ / 6,4	¼ / 6,4	¼ / 6,4	¼ / 9,5	¼ / 9,5
Pipe diameter - gas side 5)		inch / mm	¾ / 9,5	¾ / 9,5	¾ / 12,7	¾ / 15,9	¾ / 15,9
Standard pipe length 6)		m	7	7	7	7	7
Maximal allowed pipe length 7)		m	20	20	20	30	30
Max. elevation/ Drop height		m	15	15	15	15	15
Dimension of ID	w x h x d	mm	850x540x320	850x540x320	955x700x395	980x790x425	1105x1100x440
Package dimension of ID	w x h x d	mm	881x595x363	881x595x363	1029x750x458	1083x855x488	1158x1236x493
Weight of ID	netto / brutto	kg	34,0 / 37,0	34,0 / 37,0	47,0 / 50,0	67,0 / 72,0	92,0 / 100,0
Operating temperature range cooling 8)		°C	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
Operating temperature range heating 8)		°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance of OD	w x d	mm	540x295	540x295	560x360	610x390	630x400
Communication cable		mm ²	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75
Recommended power cable		mm ²	3 x 1,5	3 x 1,5	3 x 1,5	3 x 2,5	3 x 2,5
Recommended air switch		A	13	13	16	20	25
EQUIPMENT							
Throttling method			EXV	EXV	EXV	EXV	EXV
Bottom chassis heater			no	no	no	no	no
Crankcase heater			Heating belt	Heating belt	Heating belt	Heating belt	Heating belt
Bottom plugs for OD			yes	yes	yes	yes	yes
Drain pipe connector			yes	yes	yes	yes	yes

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R410A (50% HFC-32, 50% HFC-125), GWP 2088

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 NEW UNI DC INVERTER series (ASC-xxAIN, ASD-xxAIN, ASF-xxAIN).

OUTDOOR UNITS

NEW UNI DC INVERTER SERIES

MODEL			ASGE-36AIN-3 WK	ASGE-42AIN-3 WK	ASGE-48AIN-3 WK	ASGE-60AIN-3 WK
Capacity cooling/heating 1)	Nominal (min-max)	kW	10,0 (3,2-11,5) / 12,0 (2,9-14,5)	11,5 (3,6-12,5) / 13,5 (3,9-15,5)	14,0 (6,0-14,8) / 16,0 (5,2-18,0)	16,0 (7,4-16,5) / 17,0 (6,2-18,5)
Power supply		Hz / V	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415
Power input cooling/heating 1)		W	3200 / 3400	3900 / 3700	4800 / 4300	5700 / 4600
Maximal power input 2)		W				
Power current cooling/heating		A	4,9 / 4,6	5,2 / 5,1	6,2 / 6,5	7,4 / 7,2
Maximal power current 2)		A				
Air flow of ID	H	m ³ / h	5100	6600	6600	8800
Sound pressure of ID 4)	H	dB(A)	63	64	64	68
Sound power of ID 4)	H	dB(A)	73	74	74	78
Refrigerant type/charge		Type / kg / t eq. CO ₂	R410A / 3,5 / 7,31	R410A / 3,7 / 7,72	R410A / 4,0 / 8,35	R410A / 5,0 / 10,44
Additional refrigerant		g / m	60	60	60	60
Pipe diameter - liquid side 5)		inch / mm	¾ / 9,5	¾ / 9,5	¾ / 9,5	¾ / 9,5
Pipe diameter - gas side 5)		inch / mm	¾ / 15,9	¾ / 15,9	¾ / 15,9	¾ / 19,1
Standard pipe length 6)		m	7	7	7	7
Maximal allowed pipe length 7)		m	30	30	50	50
Max. elevation/ Drop height		m	15	15	30	30
Dimension of ID	w x h x d	mm	1105x1100x440	960x1350x410	960x1350x410	1085x1365x425
Package dimension of ID	w x h x d	mm	1158x1236x493	1043x1500x453	1043x1500x453	1143x1505x478
Weight of ID	netto / brutto	kg	98,0 / 106,0	108,0 / 118,0	114,0 / 124,0	126,0 / 138,0
Operating temperature range cooling 8)		°C	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
Operating temperature range heating 8)		°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
ADDITIONAL TECHNICAL INFORMATION						
Screw holes distance of OD	w x d	mm	630x400	570x375	570x375	620x395
Communication cable		mm ²	2 x 0,75	2 x 0,75	2 x 0,75	2 x 0,75
Recommended power cable		mm ²	5 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5
Recommended air switch		A	20	20	25	25
EQUIPMENT						
Throttling method			EXV	EXV	EXV	EXV
Bottom chassis heater			no	no	no	no
Crankcase heater			Heating belt	Heating belt	Heating belt	Heating belt
Bottom plugs for OD			yes	yes	yes	yes
Drain pipe connector			yes	yes	yes	yes

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R410A (50% HFC-32, 50% HFC-125), GWP 2088

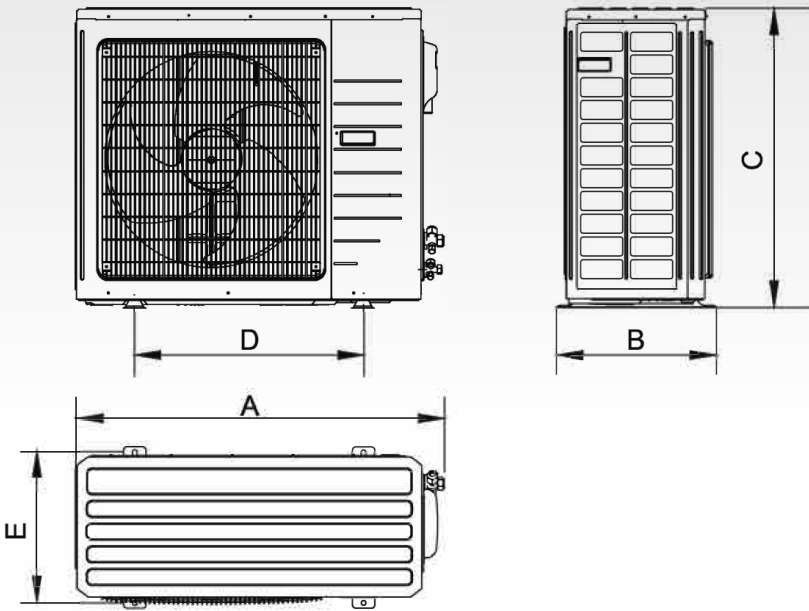
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APPEARANCE AND DIMENSIONS OF OUTDOOR UNIT

NEW UNI DC INVERTER SERIES



units: mm

	A	B	C	D	E
ASGE-09AIN WK	848	320	540	540	286
ASGE-12AIN WK					
ASGE-18AIN WK	955	396	700	560	360
ASGE-24AIN WK	980	427	790	610	395
ASGE-36AIN WK	1107	440	1100	631	400
ASGE-36AIN-3 WK					
ASGE-42AIN-3 WK	958	412	1349	572	376
ASGE-48AIN-3 WK					
ASGE-60AIN-3 WK	1085	427	1365	620	395