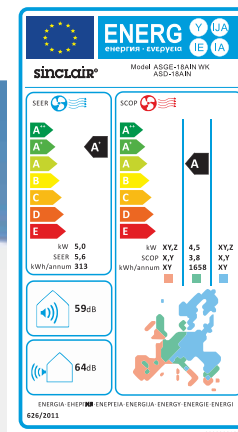
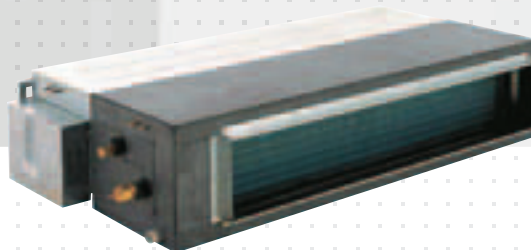


NEW UNI DC INVERTER SERIES



ASD-60AIN

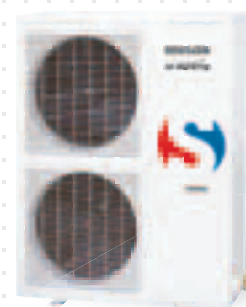


ASD-12AIN

ASD-09AIN ASD-36AIN
ASD-12AIN ASD-42AIN
ASD-18AIN ASD-48AIN
ASD-24AIN ASD-60AIN

Anticorrosion treatment of exchangers
3-year warranty
Autorestart function
Standard water pump
Optional display board SND-01

YOU SHOULD COMBINE INDOOR UNITS ASD-XXAIN
WITH SAME CAPACITY OUTDOOR UNIT ASGE-XXAIN WK
OR ASGE-XXAIN-3 WK.



ASGE-XXAIN WK

OPTIONAL ACCESSORIES

SCMI-01



FMD-01



SCC-16



SDM-01



G2S



SND-01



DC INVERTER

TECHNICAL PARAMETERS

MODEL-ID MODEL-OD			ASD-09AIN ASGE-09AIN WK	ASD-12AIN ASGE-12AIN WK	ASD-18AIN ASGE-18AIN WK	ASD-24AIN ASGE-24AIN WK	ASD-36AIN ASGE-36AIN WK
Capacity cooling / heating	kW		2,7 (0,8-3,4) / 2,9 (0,8-3,7)	3,5 (0,9-3,7) / 3,8 (0,9-4,1)	5,0 (1,6-5,5) / 5,6 (1,4-6,8)	7,0 (2,2-8,5) / 8,0 (2,4-9,5)	10,0 (3,2-11,5) / 12,0 (2,9-14,5)
Power supply	ID	Hz / V	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1
	OD	Hz / V	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1
Power input cooling / heating - OD	W		840 / 800	1170 / 1050	1600 / 1580	2180 / 2210	3200 / 3400
Current cooling / heating - OD	A		3,9 / 3,7	5,0 / 4,9	7,2 / 7,2	10,1 / 10,2	15,0 / 15,8
SEER / SCOP	-		5,6 / 3,8	5,6 / 4,0	5,6 / 3,8	6,1 / 4,0	5,6 / 4,0
Energy class	-		A+ / A	A+ / A+	A+ / A	A++ / A+	A+ / A+
Air flow	ID	m³/h	650	750	1000	1400	2100
	OD	m³/h	1800	1800	3200	4000	5100
Sound pressure level	ID	dB(A)	36 / 35 / 33 / 28	37 / 36 / 34 / 28	40 / 39 / 36 / 28	47 / 46 / 44 / 40	53 / 52 / 48 / 44
	OD	dB(A)	52	52	56	57	63
Dehumidifying volume	l/h		0,7	0,9	1,4	1,9	2,7
External static pressure - rated / range	Pa		25 / 0-30	25 / 0-30	25 / 0-30	25 / 0-100	37 / 0-150
Refrigerant	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
Pipe diameter	Liquid side	inch / mm	¾ / 6,4	¾ / 6,4	¾ / 6,4	¾ / 9,5	¾ / 9,5
	Gas side	inch / mm	¾ / 9,5	¾ / 9,5	¾ / 12,7	¾ / 15,9	¾ / 15,9
Max. pipe length	m		20	20	20	30	30
Max. elevation / Drop height	m		15	15	15	15	15
Standard pipe length	m		7	7	7	7	7
Additional refrigerant	g/m		30	30	30	60	60
Dimension (w x h x d)	ID	mm	925x250x665	1035x265x720	1035x265x720	1280x270x560	1225x290x775
	OD	mm	850x540x320	850x540x320	955x700x395	980x790x425	1105x1100x440
Package dimension (w x h x d)	ID	mm	1023x320x748	1123x323x798	1123x323x798	1348x283x597	1338x305x877
	OD	mm	881x595x363	881x595x363	1029x750x458	1083x855x488	1158x1236x493
Net/ gross weight	ID	kg	26,0 / 32,0	33,0 / 38,0	33,0 / 38,0	34,0 / 39,0	46,0 / 53,0
	OD	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	°C	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

MODEL-ID MODEL-OD			ASD-36AIN ASGE-36AIN-3 WK	ASD-42AIN ASGE-42AIN-3 WK	ASD-48AIN ASGE-48AIN-3 WK	ASD-60AIN ASGE-60AIN-3 WK	
Capacity cooling / heating	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 (6,0-14,5) / 15,5 (5,2-17,0)	16,0 (7,4-16,5) / 16,5 (6,2-18,5)	
Power supply	ID	Hz / V	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	
	OD	Hz / V	380-415 / 50 / 3	380-415 / 50 / 3	380-415 / 50 / 3	380-415 / 50 / 3	
Power input cooling / heating - OD	W		3200 / 3400	4000 / 3900	4700 / 4400	5700 / 4600	
Current cooling / heating - OD	A		4,8 / 4,7	5,5 / 4,9	6,4 / 6,7	7,8 / 7,4	
SEER / SCOP	-		5,1 / 4,0	5,6 / 4,0	5,6 / 3,8	5,6 / 3,8	
Energy class	-		A / A+	A+ / A+	A+ / A	A+ / A	
Air flow	ID	m³/h	2100	2100	2400	3000	
	OD	m³/h	5100	6600	6600	8800	
Sound pressure level	ID	dB(A)	53 / 52 / 48 / 44	53 / 52 / 48 / 44	55 / 53 / 49 / 45	56 / 55 / 51 / 46	
	OD	dB(A)	63	64	64	68	
Dehumidifying volume	l/h		2,7	3,0	3,8	4,6	
External static pressure - rated / range	Pa		37 / 0-150	37 / 0-150	50 / 0-150	50 / 0-150	
Refrigerant	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	
Pipe diameter	Liquid side	inch / mm	¾ / 9,5	¾ / 9,5	¾ / 9,5	¾ / 9,5	
	Gas side	inch / mm	¾ / 15,9	¾ / 15,9	¾ / 15,9	¾ / 19,1	
Max. pipe length	m		30	30	50	50	
Max. elevation / Drop height	m		15	15	30	30	
Standard pipe length	m		7	7	7	7	
Additional refrigerant	g/m		60	60	60	60	
Dimension (w x h x d)	ID	mm	1225x290x775	1225x290x775	1340x350x750	1340x350x750	
	OD	mm	1105x1100x440	960x1350x410	960x1350x410	1085x1365x425	
Package dimension (w x h x d)	ID	mm	1338x305x877	1338x305x877	1423x455x837	1423x455x837	
	OD	mm	1158x1236x493	1043x1500x453	1043x1500x453	1143x1505x478	
Net/ gross weight	ID	kg	46,0 / 53,0	46,0 / 53,0	56,0 / 65,0	56,0 / 65,0	
	OD	kg	98,0 / 106,0	108,0 / 118,0	114,0 / 124,0	126,0 / 138,0	
Operating temperature range	Cooling	°C	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	
	Heating	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	

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. Data are based on following conditions:
Length of connection pipe: 5m. Cooling: indoor temperature 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB. Heating condition: indoor temperature 20°C DB/15°C WB, outdoor temperature 7°C DB/6°C WB.
SEER/SCOP was calculated according to European standards contained in EN14825 for average season, based on part load classifying and testing conditions given by norm EN14511. Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088. Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual Operation due to environmental change. Power input is tested under standard condition.