

Technical specifications**R410A T3 Inverter U-Match**

Model	—	GUTD48W1/A-S(E)	GUTD60W1/A-S(E)
Product Code	—	CF090W2700-PHS	CF090W2690-PHS
Series Name	—	U-Match	U-Match
Indoor Unit Type	—	Duct	Duct
Indoor Unit Model	—	GUD48PHS1/A-S(E)	GUD60PHS1/A-S(E)
Indoor Unit Product Cod	—	CF022N4810	CF022N4800
Cooling Capacity	kW	14,00	16,00
Cooling Capacity	Btu/h	47800	54500
Cooling Capacity Range	kW	4.20~14.60	5.40~16.20
Cooling Capacity Range	Btu/h	14300~49800	18400~55200
Heating Capacity	kW	16,00	17,00
Heating Capacity	Btu/h	54600	58000
Heating Capacity Range	kW	4.20~16.50	5.40~17.20
Heating Capacity Range	Btu/h	14300~56300	18400~58600
EER	W/W	2,92	2,54
EER	(Btu/h)/W	9,96	8,651
COP	W/W	3,64	3,4
COP	(Btu/h)/W	12,41	11,6
Air Flow Volume	m3/h	5200	7000
Air Flow Volume	CFM	3060,2	4119,5
Sound Pressure Level (H)	dB(A)	60	61
Sound Power Level (H)	dB(A)	70	71
Dehumidifying Volume	L/h	4,00	5,00
Rated Voltage	V	220-240	220-240
Rated Frequency	Hz	50/60	50/60
Phases	—	1	1
Min/Max. Voltage	V	198/264	198/264
Cross-sectional Area of Power Cable Conductor	mm2	6,00	6,00
Recommended Power Cable(Core)	N	3	3
Fuse Current	A	3,15	3,15
Cooling Power Input	kW	4,80	6,30
Cooling Power Input Range	kW	1.20~5.50	1.60~6.40
Heating Power Input	kW	4,40	5,00
Heating Power Input Range	kW	1.00~5.00	1.30~5.20
Cooling Rated Power Input	kW	6,30	7,00
Heating Rated Power Input	kW	6,30	7,00
Cooling Current Input	A	21,90	29,00
Cooling Current Input Range	A	5.50~25.10	7.50~29.50
Heating Current Input	A	20,10	23,00
Heating Current Input Range	A	4.60~22.90	6.00~24.00
Cooling Rated Current	A	29,00	32,00
Heating Rated Current	A	29,00	32,00
Application Area	m2	80-100	95-140
Compressor Trademark	—	GREE	GREE
Compressor Model	—	QXFS-D280zX070B	QXFS-F428zX450E
Compressor Type	—	Inverter Rotary	Inverter Rotary
Compressor Quantity	—	1	1
Compressor Capacity	W	9529	13500
Compressor Power Input	W	3200	4580
Compressor Rated Load Amp (RLA)	A	4,9	21,0
Compressor Refrigerant Oil Type	—	FW68DA or equivalent	FW68DA or equivalent
Compressor Refrigerant Oil Charge Volume	L	0,95	1,35
Fan Type	—	Axial-flow	Axial-flow
Fan Quantity	—	1	2
Fan Diameter-height	mm	φ550-205	φ472-160
Motor Model	—	B-SWZ130E	B-SWZ120E
Motor Insulation Class	—	B	E/B
Motor Safe Class	—	IP44	IP44
Fan Motor Drive Type	—	Direct	Direct
Fan Motor Speed	rpm	840	840
Condenser Material	—	Inner Groove Copper Tube-Aluminum fin	Inner Groove Copper Tube-Aluminum fin
Condenser Face Area	m2	0,79	1,06
Condenser Pipe Diameter	mm	φ7.94	φ7
Condenser Number of Rows	—	3	2
Condenser Tube Pitch(a)×Row Pitch(b)	mm	22×19.05	22×19.05
Condenser Fin Pitch	mm	1,6	1,4
Condenser Number of Circuits	—	7	8
Condenser Length(L) × Height(H) × Width(W)	mm	1000×792×57.1	860×1232×38.1
Condenser Max. Allowable Pressure	MPa	10,0	10,0
Permissible Excessive Operating Pressure for the Discharge Side	MPa	4,6	4,6
Permissible Excessive Operating Pressure for the Suction Side	MPa	2,5	2,5
Maximum Allowable Pressure	MPa	4,6	4,6
Cooling Operation Ambient Temperature Range	°C	18~52	18~52
Heating Operation Ambient Temperature Range	°C	-10~24	-10~24
Defrosting Method	--	Auto defrost	Auto defrost
Isolation	—	I	I
Moisture Protection	--	IPX4	IPX4
Overload Protector	—	Discharge High Temperature Protection	Discharge High Temperature Protection
Refrigerant	—	R410A	R410A

Refrigerant Charge	kg	3,60	3,60
Cooling Throttling Method	—	Electronic expansion valve	Electronic expansion valve
Cooling Throttling Model	—	DPF(TS1)3.0C-14	DPF(TS1)3.0C-14
Heating Throttling Method	—	Electronic expansion valve	Electronic expansion valve
Heating Throttling Model	—	DPF(TS1)3.0C-14	DPF(TS1)3.0C-14
Dimension of Outline(W)	mm	940	900
Dimension of Outline(D)	mm	370	340
Dimension of Outline(H)	mm	820	1260
Dimension of Carton Box(L)	mm	1090	1025
Dimension of Carton Box(W)	mm	494	435
Dimension of Carton Box(H)	mm	870	1285
Net Weight	kg	73,0	94,0
Gross Weight	kg	80	103,0
Loading Quantity (20'GP)	unit	27	22
Loading Quantity (40'HQ)	unit	63	50
Outdoor Unit Stacked Layers	—	3	1
Connection Pipe Connection Method	—	Screw thread joint	Screw thread joint
Connection Pipe Length	m	7,5	7,5
Test Connection Pipe Length	m	7,5	7,5
Not Additional Gas Connection Pipe Length	m	9,5	9,5
Connection Pipe Gas Additional Charge	g/m	35	35
Connection Pipe Outer Diameter of Liquid Pipe(Metric)	mm	φ9.52	φ9.52
Connection Pipe Outer Diameter of Liquid Pipe(British System Allocation)	inch	3/8"	3/8"
Connection Pipe Outer Diameter of Gas Pipe(Metric)	mm	φ16	φ16
Connection Pipe Outer Diameter of Gas Pipe(British System Allocation)	inch	5/8"	5/8"
Connection Pipe Max. Height Distance	m	30	30
Connection Pipe Max. Length Distance	m	50	50