

VRF OUTDOOR UNIT

VRF KM



Compressor
and fan
DC Inverter



High efficiency
in heating and
cooling



Refrigerant gas

MODEL			GIAVN252T3KOMP	GIAVN280T3KOMP	GIAVN335T3KOMP	GIAVN400T3KOMP	GIAVN450T3KOMP
EAN Code			8435483843479	8435483843486	8435483843493	8435483842151	8435483842168
Power supply	Rated voltage	V,P,Hz	380-415/50	380-415/50	380-415/50	380-415/50	380-415/50
PERFORMANCE							
Cooling capacity		kW	25,20	28,00	33,50	40,00	45,00
	Power consumption	kW	5,31	6,22	8,35	9,76	11,63
	Input current	A	9,04	11,30	14,51	18,10	21,60
	EER		4,75	4,50	4,01	4,10	3,87
Heating capacity		kW	27,40	31,50	37,50	45,00	50,00
	Power absorbed	kW	4,98	5,86	7,35	9,34	10,87
	Input current	A	8,93	11,25	14,34	18,00	20,25
	COP		5,50	5,38	5,10	4,82	4,60
Maximum consumption		kW	13,40	14,30	14,80	18,30	18,80
Maximum current		A	23,10	24,70	25,50	30,80	31,70
Modulation range		%	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130
LIMIT TEMPERATURE RANGE FOR OPERATION							
Heating	Min. / Max.	°C	-30~-30	-30~-30	-30~-30	-30~-30	-30~-30
Cooling	Min. / Max.	°C	-5~55	-5~55	-5~55	-5~55	-5~55
TECHNICAL CHARACTERISTICS							
Compressor type	DC Inverter		Scroll Compressor	Scroll Compressor	Scroll Compressor	Scroll Compressor	Scroll Compressor
No. of compressors			1	1	1	1	1
Refrigerant gas			R410a	R410a	R410a	R410a	R410a
Refrigerant charge			9,00	9,00	11,00	14,00	14,00
GWT		kg	2088	2088	2088	2088	2088
CO2 Equivalent			18,7920	18,7920	22,9680	29,2320	29,2320
Expansion type		T	Electronic	Electronic	Electronic	Electronic	Electronic
Fan	Engine type		DC	DC	DC	DC	DC
	Type		Axial	Axial	Axial	Axial	Axial
Air exchanger	Type		Hydrophilic Al	Hydrophilic Al	Hydrophilic Al	Hydrophilic Al	Hydrophilic Al
Maximum working pressure		Mpa	4,5	4,5	4,5	4,5	4,5
Noise level	Heat/Cool	dB(A)	58	58	60	60	61
Max. no. of indoor units			13	16	19	23	26
PIPING AND ELECTRICAL WIRING DATA							
Connection Ø	Liquid	mm	Ø12.7	Ø12.7	Ø12.7	Ø15.88	Ø15.88
	Gas	mm	Ø22.2	Ø22.2	Ø22.2	Ø28.6	Ø28.6
Maximum pipe length	Total	m	1000	1000	1000	1000	1000
	From UE to UI farthest	m	200	200	200	200	200
Maximum vertical length	Between UE and UI (EU on upper boundary)	m	100	100	100	100	100
	Between UE and UI (EU at lower level)	m	110	110	110	110	110
	Entre Uis	m	40	40	40	40	40
	Power cable	mm2	6*5(L≤20m) 10*5(20m<L≤50m)	6*5(L≤20m) 10*5(20m<L≤50m)	6*5(L≤20m) 10*5(20m<L≤50m)	10*5(L≤20m) 16*5(20m<L≤50m)	10*5(L≤20m) 16*5(20m<L≤50m)
Electrical connections	Signal cable type		2 shielded wires	2 shielded wires	2 shielded wires	2 shielded wires	2 shielded wires
	Signal cable	mm2	0,75	0,75	0,75	0,75	0,75
DIMENSIONS							
Without packaging	a · h · f	mm	990*1740*840	990*1740*840	990*1740*840	1340*1740*840	1340*1740*840
With packaging	a · h · f	mm	1060*1900*910	1060*1900*910	1060*1900*910	1410*1900*910	1410*1900*910
Net weight		kg	228	228	230	275	275
Gross weight		kg	240	240	242	293	293

Notes:

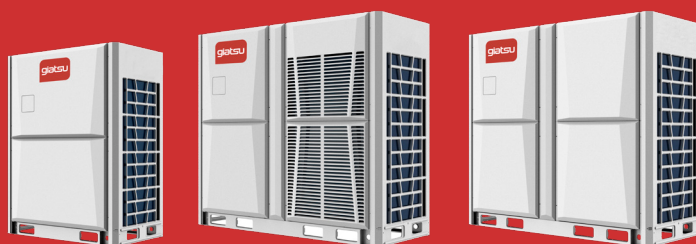
1-The operating range for cooling is from -5°C to 55°C (Can be customised from -10°C to 55°C). The operating range for heating is from -30°C to 30°C.

2-Cooling conditions: indoor 27°C DB, 19°C WB, outdoor 35°C DB.

3-Heating conditions: indoor 20°C DB, 15°C WB, outdoor 7°C DB.

4-Sound level: measured at 1 mt from the unit at a height of 1.5 mt. In this test, as a general rule, the measured values are higher than in outdoor ambient conditions.

5-The indicated data may change without prior notice due to product quality improvements.



VRF UNIDAD EXTERIOR VRF KM



Compressor
and fan
DC Inverter



High efficiency
in heating and
cooling



Refrigerant gas

MODELO			GIAVN500T3KOMP	GIAVN560T3KOMP	GIAVN615T3KOMP	GIAVN670T3KOMP
Código EAN			8435483843509	8435483842175	8435483843516	8435483843523
Power supply	Rated voltage	V,Phz	380-415/50	380-415/50	380-415/50	380-415/50
PERFORMANCE						
Cooling capacity		kW	50,00	56,00	61,50	67,00
	Power consumption	kW	12,22	14,66	16,62	16,71
	Input current	A	23,29	26,10	29,06	29,09
	EER		4,09	3,82	3,70	4,01
Heating capacity		kW	56,00	63,00	69,00	75,00
	Power absorbed	kW	11,89	14,16	16,80	14,72
	Input current	A	22,61	25,70	28,40	28,65
	COP		4,71	4,45	4,11	5,10
Maximum consumption		kW	22,00	24,40	25,00	26,20
Maximum current		A	37,40	41,10	42,10	43,20
Modulation range		%	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130
LIMIT TEMPERATURE RANGE FOR OPERATION						
Heating	Min. / Max.	°C	-30~30	-30~30	-30~30	-30~30
Cooling	Min. / Max.	°C	-5~55	-5~55	-5~55	-5~55
TECHNICAL CHARACTERISTICS						
Compressor type	DC Inverter		Scroll Compressor	Scroll Compressor	Scroll Compressor	Scroll Compressor
No. of compressors			1	1	1	2
Refrigerant gas			R410a	R410a	R410a	R410a
Refrigerant charge			15,00	16,00	16,00	16,00
GWT		kg	2088	2088	2088	2088
CO2 Equivalent			31,3200	33,4080	33,4080	33,4080
Expansion type		T	Electrónica	Electrónica	Electrónica	Electrónica
Fan	Engine type		DC	DC	DC	DC
	Type		Axial	Axial	Axial	Axial
Air exchanger	Type		Hydrophilic Al	Hydrophilic Al	Hydrophilic Al	Hydrophilic Al
Maximum working pressure		Mpa	4,5	4,5	4,5	4,5
Noise level	Heat/Cool	dB(A)	62	63	63	62
Max. no. of indoor units			29	33	36	39
PIPING AND ELECTRICAL WIRING DATA						
Connection Ø	Liquid	mm	Ø15.88	Ø15.88	Ø15.88	Ø15.88
	Gas	mm	Ø28.6	Ø28.6	Ø28.6	Ø28.6
Maximum pipe length	Total	m	1000	1000	1000	1000
	From UE to UI farthest	m	200	200	200	200
Maximum vertical length	Between UE and UI (EU on upper boundary)	m	100	100	100	100
	Between UE and UI (EU at lower level)	m	110	110	110	110
	Entre Uis	m	40	40	40	40
Conexiones eléctricas	Power cable	mm2	16*5(L≤20m) 25*5(20m<L≤50m)	16*5(L≤20m) 25*5(20m<L≤50m)	16*5(L≤20m) 25*5(20m<L≤50m)	16*5(L≤20m) 25*5(20m<L≤50m)
	Signal cable type		2 shielded wires	2 shielded wires	2 shielded wires	2 shielded wires
	Signal cable	mm2	0,75	0,75	0,75	0,75
DIMENSIONS						
Without packaging	a · h · f	mm	1340*1740*840	1340*1740*840	1340*1740*840	1990*1740*840
With packaging	a · h · f	mm	1410*1900*910	1410*1900*910	1410*1900*910	2060*1900*910
Net weight		kg	285	290	297	388
Gross weight		kg	303	308	315	406

Notes:

1-The operating range for cooling is from -5°C to 55°C (Can be customised from -10°C to 55°C). The operating range for heating is from -30°C to 30°C.

2-Cooling conditions: indoor 27°C DB, 19°C WB, outdoor 35°C DB.

3-Heating conditions: indoor 20°C DB, 15°C WB, outdoor 7°C DB.

4-Sound level: measured at 1 mt from the unit at a height of 1.5 mt. In this test, as a general rule, the measured values are higher than in outdoor ambient conditions.

5-The indicated data may change without prior notice due to product quality improvements.



VRF UNIDAD EXTERIOR VRF KM



Compressor
and fan
DC Inverter



High efficiency
in heating and
cooling



Refrigerant gas

MODELO			GIAVN730T3KOMP	GIAVN785T3KOMP	GIAVN850T3KOMP	GIAVN900T3KOMP
Código EAN			8435483843530	8435483843547	8435483843554	8435483843561
Alimentación eléctrica	Rated voltage	V,Phz	380-415/50	380-415/50	380-415/50	380-415/50
PERFORMANCE						
Cooling capacity		kW	73,00	78,50	85,00	90,00
	Power consumption	kW	18,18	20,03	22,37	24,79
	Input current	A	32,59	36,13	40,36	44,73
	EER		4,02	3,92	3,80	3,63
Heating capacity		kW	81,50	87,50	95,00	100,00
	Power absorbed	kW	16,78	18,50	21,35	24,33
	Input current	A	30,28	33,38	38,52	43,90
	COP		4,86	4,73	4,45	4,11
Maximum consumption		kW	30,70	30,70	35,80	37,70
Maximum current		A	51,80	51,80	60,40	63,60
Modulation range		%	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130
LIMIT TEMPERATURE RANGE FOR OPERATION						
Heating	Min. / Max.	°C	-30~-30	-30~-30	-30~-30	-30~-30
Cooling	Min. / Max.	°C	-5~55	-5~55	-5~55	-5~55
TECHNICAL CHARACTERISTICS						
Compressor type	DC Inverter		Scroll Compressor	Scroll Compressor	Scroll Compressor	Scroll Compressor
No. of compressors			2	2	1+1	1+1
Refrigerant gas			R410a	R410a	R410a	R410a
Refrigerant charge			20,00	20,00	23,00	23,00
GWT		kg	2088	2088	2088	2088
CO2 Equivalent			41,7600	41,7600	48,0240	48,0240
Expansion type		T	Electrónica	Electrónica	Electrónica	Electrónica
Fan	Engine type		DC	DC	DC	DC
	Type		Axial	Axial	Axial	Axial
Air exchanger	Type		Al hidrofílico	Al hidrofílico	Al hidrofílico	Al hidrofílico
Maximum working pressure		Mpa	4,5	4,5	4,5	4,5
Noise level	Heat/Cool	dB(A)	63	63	64	64
Max. no. of indoor units			43	46	50	53
PIPING AND ELECTRICAL WIRING DATA						
Connection Ø	Liquid	mm	Ø22.2	Ø22.2	Ø22.2	Ø22.2
	Gas	mm	Ø35	Ø35	Ø35	Ø35
Maximum pipe length	Total	m	1000	1000	1000	1000
	From UE to UI farthest	m	200	200	200	200
Maximum vertical length	Between UE and UI (EU on upper boundary)	m	100	100	100	100
	Between UE and UI (EU at lower level)	m	110	110	110	110
	Entre Uis	m	40	40	40	40
Electrical connections	Power cable	mm2	16*5(L≤20m)	16*5(L≤20m)	25*5(L≤20m)	25*5(L≤20m)
	Signal cable type		25*5(20m<L≤50m)	25*5(20m<L≤50m)	35*5(20m<L≤50m)	35*5(20m<L≤50m)
	Signal cable		2 shielded wires	2 shielded wires	2 shielded wires	2 shielded wires
	Signal cable	mm2	0,75	0,75	0,75	0,75
DIMENSIONSE						
Without packaging	a · h · f	mm	1990*1740*840	1990*1740*840	1990*1740*840	1990*1740*840
With packaging	a · h · f	mm	2060*1900*910	2060*1900*910	2060*1900*910	2060*1900*910
Net weight		kg	433	433	480	480
Gross weight		kg	452	452	498	498

Notes:

1-The operating range for cooling is from -5°C to 55°C (Can be customised from -10°C to 55°C). The operating range for heating is from -30°C to 30°C.

2-Cooling conditions: indoor 27°C DB, 19°C WB, outdoor 35°C DB.

3-Heating conditions: indoor 20°C DB, 15°C WB, outdoor 7°C DB.

4-Sound level: measured at 1 mt from the unit at a height of 1.5 mt. In this test, as a general rule, the measured values are higher than in outdoor ambient conditions.

5-The indicated data may change without prior notice due to product quality improvements.