

Duct Type R410a DC Inverter EcoDesign – Technical Specifications

UNIT MODEL	IND.	GFH12K3FI		GFH18K3FI		GFH24K3FI		GFH30K3FI		GFH36K3FI		GFH42K3FI	
UNIT MODEL	OUT.	GUHD12NK3FO		GUHD18NK3FO		GUHD24NK3FO		GUHD30NK3FO		GUHD36NK3FO		GUHD42NM3FO	
Rated Capacity	kW	3,50	3,80	5,00	5,60	7,00	8,00	8,30	9,20	10,00	12,00	11,50	13,50
Rated Capacity	Btu	11.942	12.966	17.06	19.107	23.884	27.296	28.32	31.39	34.12	40.944	39.238	46.062
Pdesign	kW	3,50	3,00	5,00	4,50	7,00	7,00	8,30	7,60	10,00	10,40	11,50	10,50
Capacity Range	kW	0,90 – 3,90	0,90 – 4,10	1,60 – 5,50	1,40 – 6,80	1,90 – 8,50	2,40 – 9,50	2,40 – 8,70	2,40 – 9,90	3,20 – 11,50	2,90 – 14,50	3,60 – 12,50	3,90 – 15,50
Capacity Range	Btu	3.071-13.307	3.071-13.989	5.459-18.770	4.776-23.201	7.506-29.002	8.188-32.414	8.188-29.685	8.188-33.778	10.920-39.240	9.895-49.475	12.285-42.650	13.306-52.886
Consumption (nom-max)	kW	1,17-1,90	1,05-1,80	1,55-2,50	1,55-2,40	2,18-3,80	2,21-4,00	2,67-3,90	2,57-4,10	3,20-4,65	3,40-4,75	4,00-4,90	3,90-4,90
Current Input (nom-max)	A	5,40-8,90	4,90-8,40	7,50-11,50	7,40-11,10	10,10-17,50	10,20-18,40	12,40-18,10	12,00-19,00	15,00-21,50	15,50-22,00	6,90-8,70	6,70-8,70
Annual Consumption	kWh/ann	219	1.05	313	1.658	402	2.45	477	2.66	625	3.64	719	3.675
SEER – SCOP(C/A/W) – CLASS	W/W	5,60 A+	./-4,00A+/-	5,60 A+	./-3,80A/-	6,10 A++	./-4,00A+/-	6,10 A++	./-4,00A+/-	5,60 A+	./-4,00A+/-	5,60 A+	./-4,00A+/-
Ambient Temperature Range	°C	-15 ~48°C	-10 ~24°C	-15 ~48°C	-10 ~24°C	-15 ~48°C	-10 ~24°C	-15 ~48°C	-10 ~24°C	-15 ~48°C	-10 ~24°C	-15 ~48°C	-10 ~24°C
Power Supply	V-Ph-Hz	230V ~ 1N – 50 Hz		230V ~ 1N – 50 Hz		230V ~ 1N – 50 Hz		230V ~ 1N – 50 Hz		230V ~ 1N – 50 Hz		400V ~ 3N – 50 Hz	
Power Connection Cable ODU.-IDU. / Com.	mm ²	3x2,5 – 3x1,5 / 2x0,75		3x2,5 – 3x1,5 / 2x0,75		3x2,5 – 3x1,5 / 2x0,75		3x2,5 – 3x1,5 / 2x0,75		3x4 – 3x1,5 / 2x0,75		5x2,5 – 3x1,5 / 2x0,75	
Compressor Type		DC Inverter Rotary		DC Inverter Rotary		DC Inverter Rotary		DC Inverter Rotary		DC Inverter Rotary		DC Inverter Rotary	
Air Flow Volume	m ³ /h	750 / 560 / 500		1.000 / 900 / 650		1.400 / 1.200 / 900		1.400 / 1.200 / 900		2.100 / 1.700 / 1.400		2.100 / 1.700 / 1.400	
Available Static Pressure	Pa	30		30		75		75		100		100	
Sound Pressure Level IDU (H/M/L) – ODU.	dB(A)	36 / 34 / 28 – 58		39 / 36 / 28 – 59		46 / 44 / 40 – 57		46 / 44 / 40 – 58		52 / 48 / 44 – 63		52 / 48 / 44 – 61	
Sound Power IDU (H/M/L) – ODU.	dB(A)	52 – 62		56 – 64		64 – 65		64 – 65		64 – 70		65 – 70	
Diameter Liquid-Gas Connection Pipe	inch	1/4" – 3/8"		1/4" – 1/2"		3/8" – 5/8"		3/8" – 5/8"		3/8" – 5/8"		3/8" – 5/8"	
Refrigerant charge (precharge/after 5m)		R410a – 1,2kg		R410a – 1,4kg		R410a – 2,2kg		R410a – 2,4kg		R410a – 3,5kg		R410a – 3,7kg	
		/ 30g/m		/ 30g/m		/ 60g/m		/ 60g/m		/ 60g/m		/ 60g/m	
Max Distance /Height Connection Pipe	m	20 / 15		20 / 15		30 / 15		30 / 15		30 / 15		50 / 30	
Indoor Unit Dimension LxHxD /Weight	mm/kg	1.037 x 721 x 266 / 33		1.037 x 721 x 266 / 33		1.279 x 558 x 268 / 34		1.279 x 558 x 268 / 34		1.226 x 775 x 290 / 46		1.226 x 775 x 290 / 46	
Dimension of Air Supply Flange WxH	mm	738 x 125		738 x 125		820 x 160		820 x 160		820 x 160		820 x 160	
Dimension of air return fl ange WxH	mm	738 x 203		738 x 203		1.002 x 235		1.002 x 235		979 x 231		979 x 231	
Outd. Unit Dimens.LxHxD /Weight	mm/kg	848 x 320 x 540 / 34		955 x 396 x 700 / 47		980 x 427 x 790 / 67		980 x 427 x 790 / 71		1.107 x 440 x 1.100 / 92		958 x 412 x 1.349 / 108	

UNIT MODEL	IND.	GFH48K3FI		GFH60K3FI	
UNIT MODEL	OUT.	GUHD48NM3FO		GUHD60NM3FO	
Rated Capacity	kW	14,00	15,50	16,00	16,50
Rated Capacity	Btu	47.768	52.886	54.592	56.298
Pdesign	kW	14,00	11,90	16,00	13,00
Capacity Range	kW	6,00 – 14,50	5,20 – 17,00	6,80 – 17,50	5,30 – 18,80
Capacity Range	Btu	20.472- 49.474	17.742- 58.004	23.200- 59.710	18.083- 64.145
Consumption (nom-max)	kW	5,10-6,70	4,50-6,70	5,60-7,40	4,57-7,20
Current Input (nom-max)	A	8,80-12,00	7,80-12,00	9,70-13,20	7,90-12,80
Annual Consumption	kWh/ann	875	4.385	1	4.79
SEER – SCOP(C/A/W) – CLASS	W/W	5,60 A+	./-3,80A/-	5,60 A+	./-3,80A/-
Ambient Temperature Range	°C	-15 ~ 48°C	-10 ~ 24°C	-15 ~ 48°C	-10 ~ 24°C
Power Supply	V-Ph-Hz	400V ~ 3N – 50 Hz		400V ~ 3N – 50 Hz	
Power Connection Cable ODU.-IDU. / Com.	mm ²	5×2,5 – 3×1,5 / 2×0,75		5×2,5 – 3×1,5 / 2×0,75	
Compressor Type		DC Inverter Rotary		DC Inverter Rotary	
Air Flow Volume	m ³ /h	2.400 / 2.050 / 1.600		3.000 / 2.300 / 1.600	
Available Static Pressure	Pa	125		150	
Sound Pressure Level IDU (H/M/L) – ODU.	dB(A)	53 / 49 / 45 – 59		56 / 54 / 49 – 63	
Sound Power IDU (H/M/L) – ODU.	dB(A)	68 – 70		71 – 75	
Diameter Liquid-Gas Connection Pipe	inch	3/8" – 5/8"		3/8" – 3/4"	
Refrigerant charge (precharge/after 5m)		R410a – 4,0kg		R410a – 5,0kg	
		/ 60g/m		/ 60g/m	
Max Distance /Height Connection Pipe	m	50 / 30		50 / 30	
Indoor Unit Dimension LxHxD /Weight	mm/kg	1.340 x 750 x 350 / 56		1.340 x 750 x 350 / 57	
Dimension of Air Supply Flange WxH	mm	852 x 190		852 x 190	
Dimension of air return fl ange WxH	mm	953 x 316		953 x 316	
Outd. Unit Dimens.LxHxD /Weight	mm/kg	958 x 412 x 1.349 / 114		1.085 x 427 x 1.365 / 126	