



BIG DUCT (INDOOR) Air Conditioner



TECHNICAL SPECIFICATIONS: INDOOR UNIT

INDOOR UNIT MODEL		FGR20Pd/DNa-XI	FGR25Pd/DNa-XI	FGR30Pd/DNa-XI	FGR40Pd/D(2)Na-XI
Rated horse power	HP	8.0	10.0	12.0	16.0
Cooling capacity	W	20000	25000	30000	40000
EER	W/W	2.56	2.65	2.65	2.59
Sound pressure level (H/M/L)	dB(A)	52/51/50	53/52/51	55/54/53	56/55/54
Air flow volume (H/M/L)	m ³ /h	3700/3330/2960	4200/3780/3360	5200/4680/4160	7000/6300/5600
ELECTRICAL DATA					
Power supply	V-Hz-Ph	380-415 - 50/60 - 3	380-415 - 50/60 - 3	380-415 - 50/60 - 3	380-415 - 50/60 - 3
Min/Max. voltage	V	342/418	342/418	342/418	342/418
Indoor unit cooling power input	kW	0.75	0.80	0.90	1.35
Indoor unit cooling current input	A	4.1	4.4	4.9	2.7
FAN					
Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Quantity	-	2	2	2	2
Diameter-height	mm	250-190	250-250	250-250	304.8-228.6
FAN MOTOR					
Model	-	FG750A-ZL	FG750A-ZL	FG750A-ZL	FG2200A-ZL
Insulation class	-	E	E	E	F
Safe class	-	IP20	IP20	IP20	IP55
Drive type	-	Direct Drive	Direct Drive	Direct Drive	Direct Drive
Speed	rpm	1220/1110/1020	1130/990/840	1130/1020/900	950/870/780
EVAPORATOR					
Material	-	copper tube-Aluminum fin	copper tube-Aluminum fin	copper tube-Aluminum fin	copper tube-Aluminum fin
Pipe diameter	mm	φ7	φ7	φ7.94	φ9.52
Fin type	-	Hydrophilic-window/alu.	Hydrophilic-window/alu.	Hydrophilic-window/alu.	Hydrophilic-window/alu.
Fin colour	mm	blue	blue	blue	blue
Number of circuits	-	16	16	16	10
Length x Height x Width	mm	1100 x 345 x 78	1310 x 421 x 78	1310 x 421 x 78	1453 x 595 x 112
Max. allowable pressure	MPa	4.3	4.3	4.3	4.3
DIMENSION					
Outline dimension (WxDxH)	mm	1315×760×385	1520×840×450	1520×840×450	1680×900×650
Package dimension (LxWxH)	mm	1578×883×472	1788×988×580	1788×988×580	1923×1153×850
WEIGHT					
Net weight	kg	82	99	105	165
Gross weight	kg	104	134	145	210
LOADING QUANTITY (WITHIN PANEL)					
40'GP	unit	60	52	52	24
40'HQ	unit	75	52	52	24

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.



BIG DUCT (OUTDOOR)

Air Conditioner



TECHNICAL SPECIFICATIONS: OUTDOOR UNIT

OUTDOOR UNIT MODEL			FGR20Pd/DNa-XO	FGR25Pd/DNa-XO	FGR30Pd/DNa-XO	FGR20Pd/DNa-XO (2pcs)
Rated horse power		HP	8.0	10.0	12.0	8.0
Sound Pressure Level (H)		dB(A)	62	63	65	62
ELECTRICAL DATA						6600
Outdoor unit cooling power input		kW	7.05	8.64	10.40	7.05
Outdoor unit cooling current input		A	12.6	15.4	18.6	12.6
REFRIGERANT						
Type		-	R410A	R410A	R410A	R410A
Charge		kg	6.40	8.00	9.50	6.40
COMPRESSOR						
Model		-	LNB53FCAMC	LNB65FAEMC	E706DHD-72D2G	LNB53FCAMC
Type		-	Inverter Rotary	Inverter Rotary	Inverter Scroll	Inverter Rotary
Capacity		kW	16.86	20.10	23.25	16.86
Power Input		W	5200	6270	7150	5200
FAN						
Type		-	Axial-flow	Axial-flow	Axial-flow	Axial-flow
Quantity		-	2	2	2	2
Diameter-Height		mm	550-186	550-203	550-203	550-186
FAN MOTOR						
Model		-	SWZ150B	SWZ250A	SWZ250A	SWZ150B
Safe class		-	IP24	IP24	IP24	IP24
Speed		rpm	100-800	100-860	100-860	100-800
CONDENSER						
Material		-	Copper-Aluminum	Copper-Aluminum	Copper-Aluminum	Copper-Aluminum
Pipe diameter		mm	φ7.94	φ7.94	φ7.94	φ7.94
Fin type		-	hydrophilic-window	hydrophilic-window	ripple	hydrophilic-window
Fin colour		-	Golden	Golden	Golden	Golden
Number of circuits		-	12	12	18	12
Length x Height x Width		mm	822×57×1408	1075×38×1584	1075×57×1584	822×57×1408
Max. allowable pressure		MPa	4.2	4.2	4.2	4.2
DIMENSION						
Outline dimension (WxDxH)		mm	940×320×1430	940×460×1615	940×460×1615	940×320×1430
Package dimension (LxWxH)		mm	1038×438×1580	1038×578×1765	1038×578×1765	1038×438×1580
WEIGHT						
Net Weight		kg	120	146	175	120
Gross Weight		kg	130	162	190	130
LOADING QUANTITY						
Outdoor unit		40'GP	57	44	44	57
		40'HQ	57	44	44	57
CONNECTION PIPE						
Outer Diameter	Gas Pipe	inch	3/4	7/8	1	3/4
	Liquid Pipe	inch	3/8	3/8	1/2	3/8
Max Distance Length		m	70	70	70	70

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.



BIG DUCT (INDOOR) Air Conditioner

INVERTER

R410A

eco
FRIENDLY

high
ENERGY
SAVINGS

TECHNICAL SPECIFICATIONS: INDOOR UNIT

INDOOR UNIT MODEL		FG40Pd/D(2)Na-FI	FG60Pd/D(2)Na-FI
Rated horse power	HP	16.0	24.0
Cooling capacity	W	40000	60000
EER	W/W	2.82	2.80
Sound pressure level (H/M/L)	dB(A)	56/55/54	61/-/-
Air flow volume (H/M/L)	m ³ /h	7000/6300/5600	10800/-/-
ELECTRICAL DATA			
Power supply	V-Hz-Ph	220-240 - 60 - 3	220-240 - 60 - 3
Min/Max. voltage	V	198/264	198/264
Indoor unit cooling power input	kW	1.40	3.00
Indoor unit cooling current input	A	4.3	9.3
FAN			
Type	-	Centrifugal	Centrifugal
Quantity	-	2	2
Diameter-height	mm	304.8-228.6	304.8-304.8
FAN MOTOR			
Model	-	FG2200A-ZL	WLE-100L2-4
Insulation class	-	F	F
Safe class	-	IP55	IP55
Drive type	-	Direct Drive	Direct Drive
Speed	rpm	900/800/700	1728
EVAPORATOR			
Material	-	copper tube-Aluminum fin	copper tube-Aluminum fin
Pipe diameter	mm	φ9.52	φ9.52
Fin type	-	Hydrophilic-window/aluminum	Hydrophilic-window/aluminum
Fin colour	mm	blue	blue
Number of circuits	-	10	20
Length x Height x Width	mm	1453 x 595 x 112	1650 x 787 x 112
Max. allowable pressure	MPa	4.3	4.3
DIMENSION			
Outline dimension (WxDxH)	mm	1680×900×650	1900×1100×850
Package dimension (LxWxH)	mm	1963×1123×840	2123×1493×1055
WEIGHT			
Net weight	kg	172	278
Gross weight	kg	223	365
LOADING QUANTITY (WITHIN PANEL)			
40'GP	unit	24	16
40'HQ	unit	36	16

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.



BIG DUCT (OUTDOOR) Air Conditioner



TECHNICAL SPECIFICATIONS: OUTDOOR UNIT

OUTDOOR UNIT MODEL		FG20Pd/DNa-FO (2pcs)	FG30Pd/DNa-FO (2pcs)
Rated horse power	HP	16.0	24.0
Sound Pressure Level (H)	dB(A)	62	65
ELECTRICAL DATA			
Outdoor unit cooling power input	kW	6.40	9.20
Outdoor unit cooling current input	A	19.8	28.4
REFRIGERANT			
Type	-	R410A	R410A
Charge	kg	6.60	9.50
COMPRESSOR			
Model	-	LNB53FCFMC	QW-AGC-H072wN300
Type	-	Inverter Rotary	Inverter Scroll
Capacity	kW	17.10	23.60
Power Input	W	5250	7550
FAN			
Type	-	Axial-flow	Axial-flow
Quantity	-	2	2
Diameter-Height	mm	550-203	550-203
FAN MOTOR			
Model	-	SWZ250A	SWZ250A
Safe class	-	IP24	IP24
Speed	rpm	100-860	100-860
CONDENSER			
Material	-	Copper-Aluminum	Copper-Aluminum
Pipe diameter	mm	φ7.94	φ7.94
Fin type	-	hydrophilic-window	ripple
Fin colour	-	Golden	Golden
Number of circuits	-	12	18
Length x Height x Width	mm	1075×38×1584	1075×57×1584
Max. allowable pressure	MPa	4.3	4.3
DIMENSION			
Outline dimension (WxDxH)	mm	940×460×1615	940×460×1615
Package dimension (LxWxH)	mm	1038×578×1765	1038×578×1765
WEIGHT			
Net Weight	kg	153	186
Gross Weight	kg	167	200
LOADING QUANTITY			
Outdoor unit	40'GP	44	44
	40'HQ	44	44
CONNECTION PIPE			
Outer Diameter	Gas Pipe	inch	3/4
	Liquid Pipe	inch	3/8
Max Distance Length	m	70	70

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.