



Outdoor Inverter Units

Unitary Split Units							
Model	Heat Pump		FGR20/Bna-M	FGR20/Bna-M	FGR30/Bna-M	FGR40/Bna-M	
Capacity	Cooling	Kw	20	24.5	30	39.5	
		Btu/h	68200	83597	102364	134780	
	Heating	Kw	22	27.5	33	42	
		Btu/h	75067	93834	112601	143310	
EER/COP		W/W	2.38/3.14	2.5/3.06	2.4/3.14	2.50/3.00	
Power supply		Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	
Power input	Cooling	Kw	8.4	9.8	12.1	15.8	
	Heating	Kw	7	9	10.5	14	
Current input	Cooling	A	15.3	22.2	23.4	30	
	Heating	A	13.2	21.2	22.6	26.6	
Refrigerant charge volume		Kg	5.3	6.7	9.5	12	
Indoor Unit	Air flow volume		CFM	2354	2825	3237	4120
			m <sup>3</sup> /h	4000	4800	5500	7000
	ESP	Rated	Pa	200	110	110	150
		Range	Pa	100-300	30-250	50-250	50-300
	Sound pressure level		dB(A)	56	54	57	58
	Dimension (HxWxD)	Outline	mm	1463x799x389	1500x1000x500	1500x1000x500	1700x1100x650
		Package	mm	1546x886x485	1840x1230x688	1840x1230x688	1893x1463x850
Net weight/ Gross weight		Kg	86/109	150/200	156/206	215/265	
Outdoor unit	Sound pressure level		dB(A)	65	66	67	69
	Dimension (HxWxD)	Outline	mm	1150x360x1350	1150x360x1600	990x880x1772	1290x880x1772
		Package	mm	1320x505x1490	1320x505x1745	1165x983x1965	1373x983x1965
	Net weight/ Gross weight		Kg	158/174	185/200	227/248	293/316
Connection pipe	Outer diameter	Liquid	inch(mm)	ø 3/8(9.52)	ø 3/8(9.52)	ø 1/2(12.7)	ø 5/8(15.9)
		Gas	inch(mm)	ø 3/4(19.05)	ø 1(25.4)	ø 9/8(28.6)	ø 9/8(28.6)
	Max. distance	Height	m	30	30	30	30
		Length	m	50	50	50	50

Item	Nomiinal operating condition (temperature)				Operating range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	
Cooling	35	24	27	19	-15~43
Heating	7	6	20	15	-7~24