High Capacity Floor Standing

Auto Restart

Timer

Independent Humidification

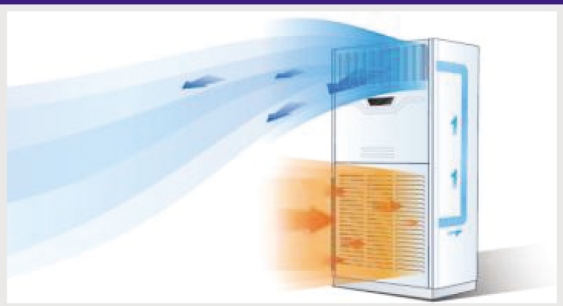
R410A

Energy Saving

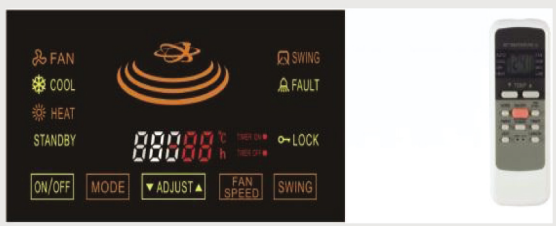
Environment Friendly

Advance Function

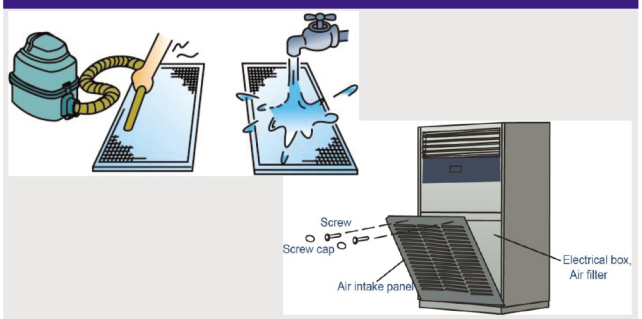
Strong wind & Long distance Airflow



Touch Screen Control(Wireless Control)



Washable Inlet Air Filter



INDOOR UNIT SPECIFICATIONS

8Hp 10Hp

Model			GRFS-80CN1	GRFS-100CN1
Power supply		\	208-230V~, 1Ph, 60Hz	
Cooling	Capacity	Btu/h	75,100	95,500
		W	22,000	28,000
	Capacity (46 °C)	W	19,500	26,500
	Input	W	7,600	9,600
	EER	W/W	2.89	2.92
Rated input		W	1,400	1,700
Rated current		A	7.5	8.4
Indoor air flow		m^3/h	4,250	5,100
Indoor noise level		dB(A)	56	56
Refrigerant type		\	R410A	
Refrigerant control		\	Capillary	
Fan	Type	\	Centrifugal fan	
	Motor model (×Qty)	\	YSK300-6D (×1)	YSK300-6D (×1)
	Input (Hi/med/lo)	W	750/620/520	750/620/520
	Capacitor	\	25μF/450V	25μF/450V
	Speed (Hi/med/lo)	r/min	900/810/720	900/810/720
Coil	Type	\	Copper tube and aluminum fin	
	Tube size	mm	Φ7	Φ7
	No. of rows	\	2	3
	Fin spacing	mm	1.5	1.5
	Tube pitch×row pitch	mm	21×13.37	21×13.37
	Length× height	mm	982×714	982×714
	Number of circuits	\	17	12+13
Controller		\	R51/CE	R51/CE
Refrigerant pipe (Liquid/ Gas)		mm	Φ9.52/Φ19	Φ9.52/Φ22
Power wire		\	$3×2.5mm^2$	$3×2.5mm^2$
Drain pipe size		mm	Φ41	Φ41
Dimension (W×H×D)		mm	1,200×1,860×420	
Packing (W×H×D)		mm	1,362×2,050×582	
Net/Gross weight		kg	132/147	140/154

Notes:

1. Rated input = Max. input, Rated current = Max. current.

2. Nominal cooling capacities are based on the following conditions:

Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB , 24°C WB; Nominal heating capacities are base on the following conditions: Indoor temp: 20°CDB, 15 °C W B; Outdoor temp: 7°CDB, 6°CWB

OUTDOOR UNIT SPECIFICATIONS

Model			GRSV-80CN1	GRSV-100CN1	GRSV-120CN1
Power supply		\	208-230V~, 3Ph, 60Hz		
Ambient temp in cooling		°C	17～52	17～52	17～52
Ambient temp in heating		°C	\	\	\
Rated input (Outdoor unit)		W	11,100	16,700	18,200
Rated current (Outdoor unit)		A	32.5	44.4	53.1
Noise level		dB(A)	65	69	70
Compressor	Type ×Qty.	\	Scroll ×1	Scroll ×1	Scroll ×1
	Model (Brand)	\	C-SBP205H36A (Sanyo)	SH090A3ALC (Danfoss)	SH120A3ALC (Danfoss)
	Capacity	W	20,400	27,100	32,620
	Input	W	6,700	8,569	10,275
	Rated current	A	20.5	30.7	43.6
	Locked rotor Amp	A	114	203	267
	Refrigerant oil	ml	1,700 (FV68S)	3,000 (POE-160SZ)	3,300 (POE-160SZ)
Refrigerant type/charge		\	R410A/4,500g	R410A/6,500g	R410A/7,500g
Fan	Type ×Qty.	\	Axial fan ×2	Axial fan ×2	Axial fan ×2
	Motor model	\	YDK210-6B	YDK320-6B	YDK320-6B
	Motor input (4/3 fan blades)	\	320/303	580/560	580/560
	Capacitor	\	10μF/450V	25μF/450V	25μF/450V
	Motor speed (4/3 fan blades)	rpm	910/950	1080/1100	1080/1100
Coil	Type	\	Copper tube and aluminum fin		
	Tube size	mm	Φ7	Φ7	Φ7
	No. of rows	\	2	3	3
	Fin space	mm	1.3	1.3	1.3
	Tube pitch(a)×row pitch(b)	mm	21×13.37	21×13.37	21×13.37
	Coil (W×H)	mm	2,175×882	2,179×882	(1,380×882)+(1,380×882)
	Number of circuits	\	20	20	11+11
Refrigerant pipe	Liquid side/ Gas side	mm	Φ9.52/Φ19	Φ9.52/Φ 22	Φ12.7/Φ25
	Max. pipe length	m	50	50	50
	Max. difference in level	\	25m(O.D. up) /30m(O.D. down)		
Connection wire	Power wire	\	5×10.0mm^2	5×16.0mm^2	5×20.0mm^2
	Signal wire (I.D. & O.D.)	\	2×1.0mm^2	2×1.0mm^2	2×1.0mm^2
	Signal wire (If double.)	\	3×0.5mm^2	3×0.5mm^2	3×0.5mm^2
Dimension (W×H×D)		mm	1,255×908×700	1,255×908×700	1,255×908×700
Packing (W×H×D)		mm	1,320×1,060×730	1,320×1,060×730	1,320×1,060×730
Net/ Gross weight		kg	148/167	187/204	199/215

Notes:

1. Rated input = Max. input, Rated current = Max. current.
2. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB