

Model		NIPPON KFR 12DCA ECO POWERFUL	
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz
Rated Cooling	Capacity	Btu/h	12000 (3800~14200)
Cooling Power input		W	1213 (130~1580)
Cooling Current		A	5.27 (0.5~6.9)
Rated Heating	Capacity	Btu/h	13000 (3700~14400)
Heating Power input		W	1088 (100~1680)
Heating Current		A	4.73 (0.4~6.9)
Seasonal Cooling	Pdesignc	kW	3.6
	SEER	W/W	6.1
	Energy Efficiency Class		A++
Heating(Average)	Pdesignh	kW	2.7
	SCOP	W/W	4.0
	Energy Efficiency Class		A+
	Tbiv	°C	-7
Tol		°C	-15
Moisture Removal		L/h	/
Max. input consumption		W	2150
Max. current		A	10
Starting current		A	/
Compressor	Model		KSK103D33UEZ3(YJ)
	Type		Rotary
	Brand		GMCC
	Capacity	Btu/h	2035/3255
	Input	W	325/826
	Rated current(RLA)	A	2.4/5.65
	Locked rotor Amp(LRA)	A	/
	Thermal protector		/
	Thermal protector position		/
	Capacitor	uF	/
Refrigerant oil/oil charge	ml	ESTER OIL VG74/310	
Indoor fan motor	Model		YKFG-13-4-38L-4
	Output	W	40.0
	Capacitor	uF	1.2
	Speed(Hi/Mi/Lo)	r/min	1150/950/750
Indoor coil	a.Number of rows		2
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6
	c.Fin spacing	mm	1.2
	d.Fin type (code)		Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube
	f.Coil length x height x width	mm	595x78x23.2+595x117x23.2+595x78x23.2
	g.Number of circuits		4
Indoor air flow (Hi/Mi/Lo)		m3/h	540/430/314
Indoor sound pressure level (Hi/Mi/Lo/Si)		dB(A)	40.5/34.5/25
Indoor sound power level (Hi)		dB(A)	55.0
Indoor unit	Dimension(W*D*H)	mm	805x194x285
	Packing (W*D*H)	mm	870x270x365
	Net/Gross weight	Kg	7.6/9.8
Model			ZKFN-34-10-1

Outdoor fan motor	Output	W	/
	Capacitor	uF	0
	Speed	r/min	790/450
Outdoor coil	a.Number of rows		1
	b.Tube pitch(a)x row pitch(b)	mm	21x22
	c.Fin spacing	mm	1.3
	d.Fin type (code)		Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube
	f.Coil length x height x width	mm	740x462x22
	g.Number of circuits		2
Outdoor air flow		m3/h	1800
Outdoor sound pressure level		dB(A)	56.0
Outdoor sound power level		dB(A)	63.0
Outdoor unit	Dimension(W*D*H)	mm	720x270x495
	Packing (W*D*H)	mm	835x300x540
	Net/Gross weight	Kg	23.2/25.0
Refrigerant	Type		R32
	GWP		675
	Charged quantity	Kg	0.55
Design pressure		MPa	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)
	Max. refrigerant pipe length	m	25
	Max. difference in level	m	10
Connection wiring			1.5x5//
Plug type			1.5x3/no-plug
Thermostat type			Remote Control
Operation temperature	Indoor(cooling/ heating)	℃	17~32/0~30
	Outdoor(cooling/heating)	℃	-15~50/-15~30
Application area	minimum-maximum	m2	16~23
Qty'per 20' /40' /40'HQ			132/274/305