

Model		MSF-12HR	
Power supply		Ph-V-Hz	1, 220-240V~, 50Hz
Cooling	Capacity	Btu/h	12000
	Input	W	1190
	Rated current	A	5.5
	EER	Btu/w.h, W/W	10.1, 3.0
Heating	Capacity	Btu/h	14000
	Input	W	1280
	Rated current	A	6.0
	COP	W/W	3.2
Moisture Removal		L/h	1.2
Max. input consumption		W	1690
Max. current		A	9.1
Starting current		A	30
Compressor	Model		PH225X2C-8FTC
	Type		Rotary
	Brand		GD TOSHIBA
	Capacity	Btu/h	13200
	Input	W	1250
	Rated current(RLA)	A	5.8
	Locked rotor Amp(LRA)	A	29.9
	Thermal protector		Internal
	Capacitor	uF	35
	Refrigerant oil	ml	SUNISO 4GSD/480
Indoor fan motor	Model		RPG13H
	Brand		WELLING
	Input	W	36.5
	Capacitor	uF	1.2uF/450V
	Speed(hi/mi/lo)	r/min	1200/1080/950
Indoor coil	a.Number of rows		2
	b.Tube pitch(a)x row pitch(b)	mm	21×13.37
	c.Fin spacing	mm	1.3
	d.Fin type (code)		Hydrophilic aluminium
	e.Tube outside dia.and type	mm	φ7, innergroove tube
	f.Coil length x height x width	mm	578×252×26.74
	g.Number of circuits		2
Indoor air flow (Hi/Mi/Lo)		m3/h	550/510/470
Indoor noise level (Hi/Mi/Lo)		dB(A)	37/34/30
Indoor unit	Dimension (W*H*D)	mm	750×250×190
	Packing (W*H*D)	mm	830X336X280
	Net/Gross weight	Kg	8.5/10

Outdoor fan motor	Model		YDK24-6
	Brand		WELLING
	Input	W	72
	Capacitor	uF	2.5μF/450V
	Speed	r/min	850
Outdoor coil	a.Number of rows		1
	b.Tube pitch(a)x row pitch(b)	mm	25.4×22
	c.Fin spacing	mm	1.6
	d.Fin type (code)		hydrophilic aluminium
	e.Tube outside dia.and type	mm	φ9.53 innergroove tube
	f.Coil length x height x width	mm	772×508×22
	g.Number of circuits		2
Outdoor air flow		m3/h	1800
Outdoor noise level		dB(A)	49
Outdoor unit	Dimension(W*H*D)	mm	780×540×250
	Packing (W*H*D)	mm	910×575×335
	Net/Gross weight	Kg	36/39
Refrigerant type R22		g	860
Design pressure		MPa	2.6
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ6.35/φ12.7
	Max. refrigerant pipe length	m	10
	Max. difference in level	m	5
Connection wiring			No
Plug type			16A
Thermostat type			Electronic control
Operation temp		°C	17-30
Ambient temp		°C	-7 - 45
Application area		m2	18-26
Qty'per 20' /40' /40'HQ		set	113/238/274
Remark(alternate compressor)			Matsushita 2K23S225BUA Hitachi SL232CV-C7LU LG QJ222JAA