

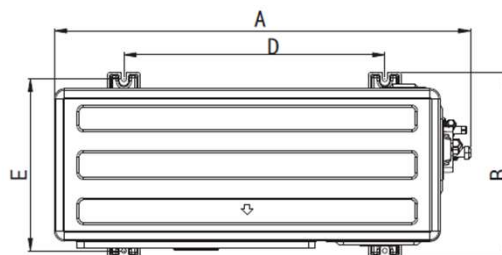
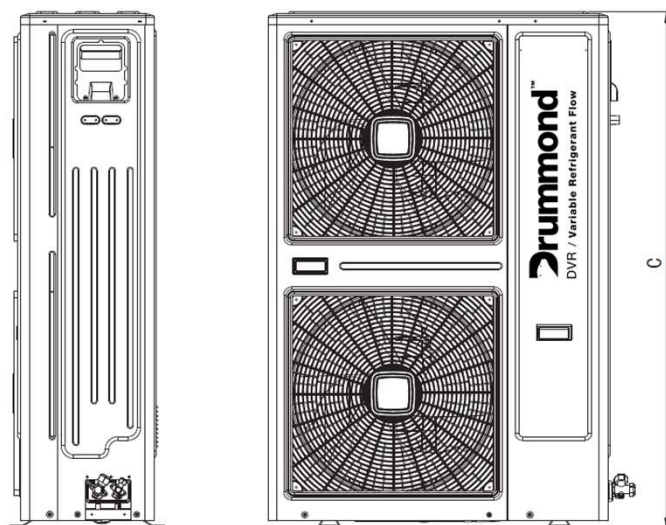
Model name		DVR-VH180R1-SE-050D	
Power supply		V/Ph/Hz	220~240V/1N/60Hz
Performance data			
Cooling	Capacity	kW	18
		K Btu/h	61
	Power input	kW	3.88
	EER	W/W	4.64
Heating	Capacity	kW	20
		K Btu/h	68
	Power input	kW	4.09
	COP	W/W	4.89
Max. input consumption		kW	9.5
Max. current		A	43.7
Capacity adjustment range			50%~130%
Compressor data			
DC Inverter compressor	Quantity		1
	Type		Twin-rotary Compressor
	Brand		MITSUBISHI
	frequency range	Hz	10-120
	Crankcase heater	W	35
Compressor oil	Model		FV50S
	Original oil volume	ml	1400
Fan data			
Fan motor	Type		DC
	Brand		Nidec
	Model		DR-380-100-8
	Quantity		2
	Insulation class		E
	Power output	W	100*2
Fan blade	Material		ASG20
	Type		Axial
	Drive		Direct-driven
	Fan Quantity		2
	Air flow	m ³ /h	6000
Physical data			
Outdoor coil	Fin type		Hydrophilic Aluminum
	Tube diameter	mm	Ø7.94
	Tube type		Inner-grooved copper tube
Refrigerant	Type		R410a
	Volume	kg	4.2
	Throttle type		EXV
Dimension (W*H*D)	Net	mm	975×1335×400
	Packing	mm	1010×1445×415
Weight	Net	kg	100.5
	Gross	kg	112.5
Outdoor sound level		dB(A)	58
Maximum operating pressure		MPa	4.5

Piping & wiring data			
Pipe size	Liquid pipe (<30m)	mm (in)	Ø9.52 (3/8")
	Gas pipe (<30m)	mm (in)	Ø19.05 (3/4")
	Liquid pipe (≥30m)	mm (in)	Ø9.52 (3/8")
	Gas pipe (≥30m)	mm (in)	Ø22.2 (7/8")
Max. pipe length	Total pipe length	m	100
	From OU to farthest IU	m	70
	From 1st indoor distributor to farthest IU	m	20
Max. vertical length	Between OU & IU(OU above IU)	m	30
	Between OU & IU(OU below IU)	m	20
	Between IUs	m	8
Connection wire	Power wire size	mm ²	3×10
	Signal wire type		3-core shielded cable
	Signal wire size	mm ²	1
Operation temperature range			
Cooling	Outdoor side	°C	-5~55
	Indoor side	°C	16~32
Heating	Outdoor side	°C	-15~30
	Indoor side	°C	16~32

Notes:

1. Cooling operating temperature range is from -5°C to 55°C (It can be customized down to -10°C). Heating operating temperature range is from -15°C to 30°C.
2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
3. The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
4. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
5. The above data may be changed without notice for future improvement on quality and performance.

Drawing of outdoor unit dimensions (unit: mm)



Unit: mm

A	B	C	D	E
975	400	1335	586	370

