

# DC POWERED SPLIT AIR CONDITIONER | 18000 BTU | 48V DC Powered



Application Area		m2	20~37
Power Supply	Rated Voltage	V-	48
	Min/Max. Voltage	V-	42/60
Input Current	Max.Current	A	38
Rated Current	Cooling Rate Current	A	32.2
	Heating Rate Current	A	30.9
Rated Power	Cooling Rate Power	W	1400
	Heating Rate Power	W	1350
Min. Cooling Power Input		W	450
Max. Cooling Power Input		W	1700
Min. Heating Power Input		W	350
Max. Heating Power Input		W	1700
Cooling Capacity		W	5000
Cooling Capacity		Btu/h	17000
Min. Cooling Capacity		W	1100
Min. Cooling Capacity		Btu/h	3753
Max. Cooling Capacity		W	6050
Max. Cooling Capacity		Btu/h	20600
Heating Capacity		W	5000
Heating Capacity		Btu/h	17000
Min. Heating Capacity		W	1100
Min. Heating Capacity		Btu/h	3753
Max. Heating Capacity		W	6300
Max. Heating Capacity		Btu/h	21500
EER		W/W	3.57
COP		W/W	3.7
SEER		--	6.3
Air Flow Volume(SH/H/L/SL)		m <sup>3</sup> /h	1200/1064/798/672
Dehumidifying Volume		L/h	1.80
	Indoor Unit Model	--	SMC-HY18i-YT
	Fan Type	--	Cross-flow
	Fan Diameter Length(D×L)	mm	Φ108×840

<b>Indoor Unit</b>	Cooling Speed(SH/H/L/SL)	r/min	1200/1100/1100/900
	Heating Speed(SH/H/L/SL)	r/min	1200/1100/1150/950
	Fan Motor Power Output	W	30
	Fan Motor RLA	A	
	Fan Motor Capacitor	μF	
	Evaporator Form	--	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ7
	Evaporator Row-fin Gap	mm	2-1.35
	Evaporator Coil Length (L×D×W)	mm	847×25.4×320.8
	Swing Motor Model	--	ZKFP-30-8-125
	Swing Motor Power Output	W	
	Fuse Current	A	
	Set Temperature Range	℃	16~32
	Set Temperature Range	℉	61~90
	Sound Pressure Level(SH/H/L/SL)	dB (A)	49/35/29/25
	Sound Power Level(SH/H/L/SL)	dB (A)	57/40/37/31
	Dimension (W×H×D)	mm	1080*327*227
	Dimension of Carton Box (W×H×D)	mm	1135*390*293
	Dimension of Package(W×H×D)	mm	1135*390*293
	Stacked Layers	—	7
Net Weight	kg	13	
Gross Weight	kg	15.5	
<b>Outdoor Unit</b>	Outdoor Unit Model	--	SMC-HY18O-YT
	Compressor Trademark		GMCC
	Compressor Model	--	KSN140D42UFZ
	Compressor Oil	--	FV50S
	Compressor Type	--	Rotary
	Compressor LRA.	A	7.5
	Compressor RLA	A	18
	Compressor Power Input	W	1105
	Fan Type	--	Axial-flow
	Fan Diameter	mm	Φ420
	Fan Diameter	inch	16.5
	Fan Motor Speed	rpm	850
	Fan Motor Power Output	W	56
	Fan Motor RLA	A	0.67
	Outdoor Unit Air Flow Volume	m <sup>3</sup> /h	2800
	Condenser Form	--	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7
	Condenser Rows-fin Gap	mm	2-1.5
	Condenser Coil Length (L×D×W)	mm	835×44×590
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
	Maximum Allowable Pressure	MPa	4.3
	Cooling Operation Ambient Temperature Range	℃	0~52
	Heating Operation Ambient Temperature Range	℃	-15~32
	Sound Pressure Level	dB (A)	55
	Sound Power Level	dB (A)	63
	Dimension (W×H×D)	mm	820*300*600
	Dimension of Carton Box (W×H×D)	mm	910*395*635
	Dimension of Package(W×H×D)	mm	910*395*635
	Stacked Layers		4
	Net Weight	kg	40
	Gross Weight	kg	43