



SPLIT DUCT AIR CONDITIONER

ALFA TUNNEL

Features

- SPLIT – indoor and outdoor units
- Refrigerant R32
- High efficiency DC Inverter split
- Wire controller
- WIFI module as standard
- High efficiency A++ (cooling), A+ (heating)
- Water pump inside
- Auto-mode
- I-feel mode
- Silence mode
- ECO mode
- Rapid cooling/heating



Mobile App (TUYA standard):





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Specification

		ALFA TUNNEL 24K	ALFA TUNNEL 36K
Type		heating pump	heating pump
Control type		wire controller	remote controller
Declared cooling capacity	btu/h	24000(7500~25500)	36000(10500~42000)
Declared heating capacity	btu/h	26900(7900~28500)	40000(11200~46000)
Declared cooling capacity	W	7030(2200~7500)	10550(3080~12300)
Declared heating capacity	W	7900(2320~8350)	11720(3280~13500)
Pdesignc	W	7030	10550
SEER declared	W/W	6,2	6,1
Energy Class		A++	A++
Pdesignh Average	W	5500	8500
SCOP Average declared	W/W	4,0	4,1
Energy Class(Average)		A+	A+
Declare capacity(-10°C)	W	4800	7650
Back up heating capacity(-10°C)	W	700	850
Annual energy consumption	Cooling	kwh/a	402
	Average	kwh/a	1925
Moisture removal		Liters/h	2,00
Indoor sound power(S/H/M/L/Mute)		dB(A)	58/55/53/48/46
Indoor sound power(Standard rating conditions)		dB(A)	55
Outdoor sound power(Standard rating conditions)		dB(A)	64
Indoor sound pressure(S/H/M/L/Mute)		dB(A)	48/45/43/38/36
Indoor sound pressure(Standard rating conditions)		dB(A)	45
Outdoor sound pressure(Standard rating conditions)		dB(A)	54
			57



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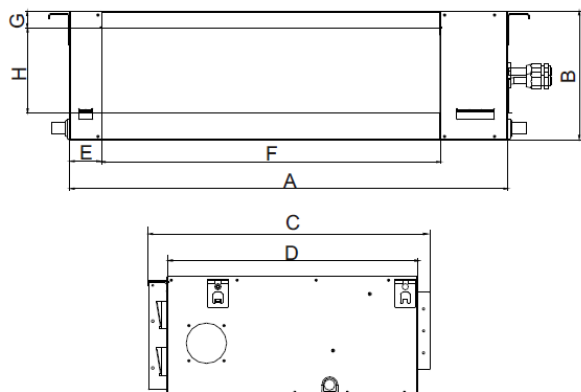
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Electrical Data				
Power supply			Indoor: 220-240V~/50Hz/1P Outdoor: 220-240V~/50Hz/1P	Indoor: 220-240V~/50Hz/1P Outdoor: 220-240V~/50Hz/1P
Power supply side			Outdoor	Outdoor
Voltage Range		V	176~265	176~265
Cooling Operating current	Indoor	A	1.3(0.2~1.4)	1.1(0.4~1.3)
	Outdoor	A	9.2(3.8~13.6)	15.1(0.8~19.7)
Heating Operating current	Indoor	A	1.3(0.2~1.4)	1.1(0.4~1.3)
	Outdoor	A	10.2(4.0~12.6)	15.1(1.2~16.1)
Cooling Power consumption	Indoor	W	150(20~165)	250(80~280)
	Outdoor	W	2290(710~3135)	3300(170~4320)
Heating Power consumption	Indoor	W	150(20~165)	250(80~280)
	Outdoor	W	2420(745~2935)	3300(270~3520)
Max. powerconsump		W	3300	4600
Max.current		A	15	21
Refrigerating System				
Refrigerant type/Charge/GWP/CO2 equivalent			R32/1.35kg/675/0.911tonnes	R32/2.10kg/675/1.418tonnes
Compressor Type			Rotary	Rotary
Indoor air circulation Cooling/heating		m3/h	1350/1550	1900/2000
Indoor fan type			centrifugal fan	centrifugal fan
Indoor fan speed S/H/M/L/Mute	Cooling	rpm	1050/900/800/700/660	1200/1050/1000/950/850
	Heating	rpm	1050/900/800/700/660	1200/1050/1000/950/850
	Dry	rpm	700/700	900/900
	Sleep	rpm	1050/900/800/700/660	1200/1050/1000/950/850
Outdoor fan type			Propeller fan	Propeller fan
Outdoor air circulation		m3/h	3500	5000
Outdoor fan speed		rpm	880	930
External Static Pressure(Rated)		Pa	25	37
External Static Pressure(Range)		Pa	0-80	0-160
Connections				
Connecting Wiring	Core x Size		outdoor: 3*2.5mm²+5*1.5mm²; indoor: 5*1.5mm²	outdoor: 3*2.5mm²+5*1.5mm²; indoor: 5*1.5mm131
Expension device			Capillary +EXV	Capillary +EXV
Connecting Pipe	Gas	Inches	1/2"	5/8"
	Liquid	Inches	1/4"	3/8"

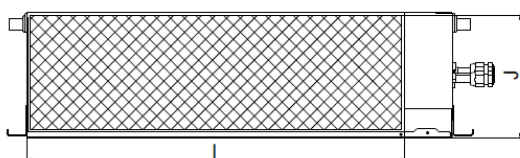
Others				
Max. refrigerant pipe length		m	30	50
Max. difference in level		m	15	25
Operation temperature range		°C	16-31	16-31
Ambient temperature range	Outdoor	°C	Cooling:-15-50/Heating:-15-24	Cooling:-15-50/Heating:-15-24
	Indoor	°C	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30
Net dimensions (W x H x D)	Indoor	mm	920×570×270	1140×710×270
	Outdoor	mm	845×700×342	910×804×378
	Panel	mm	/	/
Net weight	Indoor	kg	26	36
	Outdoor	kg	40	55
	Panel	kg	/	/

Technical drawing

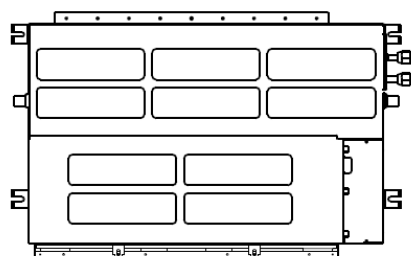
1.The positioning of ceiling hole, indoor unit and hanging screwbolts.



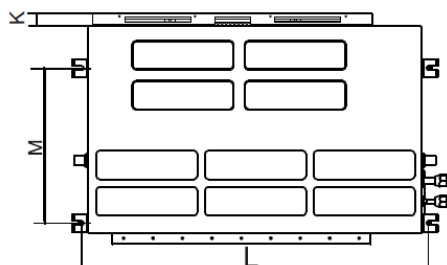
Air inlet size



Position size of descensional ventilation opening.



Size of mounted hook



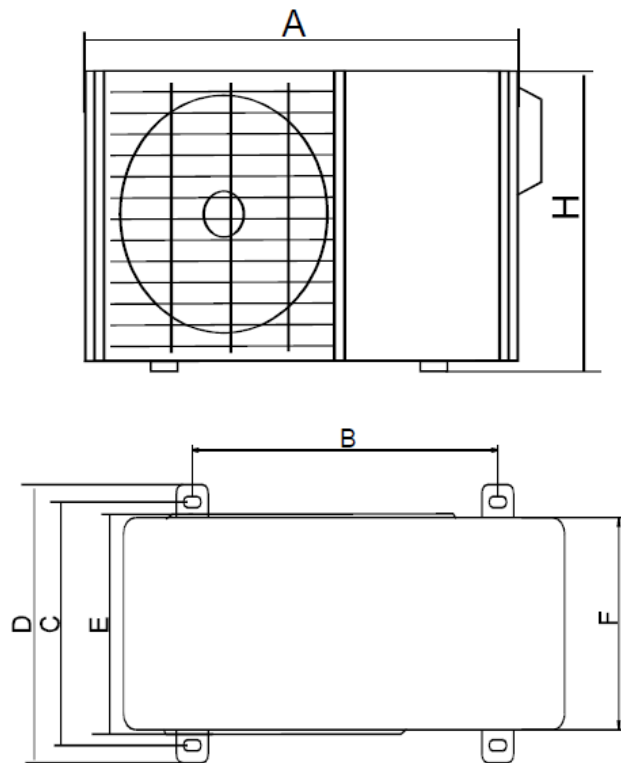
	Outline dimension				Air outlet opening size				Air return opening size			Size of mounted lug	
	A	B	C	D	E	F	G	H	I	J	K	L	M
24K	920	270	635	570	65	713	35	179	815	260	36	958	427
36K	1140	270	775	710	65	933	37	175	1034	260	36	1178	541



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MODEL	A	B	C	D	E	F	H
24K	845	574	348	375	358	342	700
36K	910	607	390	421	391	378	804



Efficiency label

