

Convertible



3.5 / 5.0 / 7.1 / 10.5kW



3D airflow



Intelligent sensor (Optional)



Turbo mode 4.2m (12.5/14 kW)



Double 8 to show temperature and error



MODEL			Indoor unit	AC35S2SG1FA	AC50S2SG1FA	AC71S2SG1FA	AC105S2SH1FA	AC105S2SH1FA
			Outdoor unit	1U35S2SM1FA-2	1U50S2SJ2FA	1U71S2SR2FA	1U105S2SS2FA	1U105S2SS1FB
Nominal performance data	Capacity	Cooling	Btu/h (nor)	12000	17060	24230	32400	32400
			kW nor(min-max)	3.5(1.0-4.3)	5.0(1.4-5.7)	7.1(2-7.3)	9.5(2.5-10.0)	9.5(2.5-10.0)
	Heating		Btu/h (nor)	14334	20136	25600	34800	35800
			kW nor(min-max)	4.0(1.0-5.3)	5.8(1.4-6.0)	7.5(2.5-8)	10.2(3.0-10.5)	10.5(3.0-11)
	Rated power input	Cooling	kW nom(min-max)	0.91(0.3-1.5)	1.45(0.5-2.0)	2.20(0.5-3.0)	3.13(0.5-4.0)	3.27(0.5-4.0)
Seasonal performance data	Heating		kW nom(min-max)	1.07(0.5-1.6)	1.56(0.52-2.35)	2.02(0.5-3.0)	3.07(0.5-4.0)	3.0(0.5-4.0)
				3.81/3.73	3.48/3.73	3.23/3.71	3.04/3.32	2.9/3.5
	Cooling P design(35°C)		kW	3.5	5	7.1	9.5	9.5
	Heating P design(-10°C)		kW	3	4.4	5	7	6
	SEER/SCOP			8.5/4.47	7.31/4.1	6.1/3.8	6.11/3.8	6.11/3.91
	Energy class(Cooling/Heating)			A+++/A+	A++/A+	A++/A	A++/A	A++/A
	Annual energy consumption(Cooling)		kW	146	240	407	549	557
Annual energy consumption(Heating)		kW	945	1491	1832	2750	2228	
INDOOR UNIT								
Electrical Parameters	Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Performance	Air flow(H/M/L)		m³/h	750/620/500	880/750/650	1250/1128/930	1600/1400/1280	1600/1400/1280
	Sound power level(H/M/L)		dB(A)	53	57	61	61	63
	Sound pressure level(H/M/L)		dB(A)	39/36/33	44/41/38	43/40/38	47/43/41	47/43/41
Installation	External dimensions(W/D/H)		mm	1000/230/680	1000/230/680	1325/230/680	1325/230/680	1325/230/680
	Shipping dimensions(W/D/H)		mm	1100/305/779	1100/305/779	1425/305/779	1425/305/779	1425/305/779
	Net/Shipping weight		kg	26/32	26/32	33.5/41.9	33.5/41.9	33.5/41.9
	Controller		optional	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01
			optional	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
OUTDOOR UNIT								
Electrical Parameters	Power supply		Ph/V/Hz	1/220-240/50	1/230/50	1/220-240/50/60	1/220-240/50/60	3/380-415/50/60
Performance	Air flow (H)		m³/h	2000	2500	3000	3500	3500
	Sound power level		dB(A)	61	63	67	66	68
	Sound pressure level		dB(A)	48	51	54	53	54
Installation	External dimensions(W/D/H)		mm	800/275/553	820/338/614	890/353/697	920/372/760	920/372/760
	Shipping dimensions(W/D/H)		mm	908/405/625	993/413/685	1046/460/780	1036/478/820	1085/485/830
	Net/Shipping weight		kg	30/32.9	37.8/41.5	45/50	60/65	61/66
	Compressor type			Rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary
	Refrigerant type			R32	R32	R32	R32	R32
	GWP			675	675	675	675	675
	Refrigerant liquid pipe		mm	6.35	6.35	9.52	9.52	9.52
	Refrigerant gas pipe		mm	9.52	12.7	15.88	15.88	15.88
	Max pipe length		m	15	25	50	50	50
	Max drop between I.U.&O.U		m	10	15	30	30	30
	Refrigerant load in factory		kg	0.78	0.95	1.3	1.7	1.7
	Maximum pipe length without charge refrigerant		m	7	7	10	30	30
Working temp.	Refrigerant charge quantity for extra length		g/m	20	20	45	45	45
	Cooling(Min-Max)		°C	-10-46	-10-46	-10-46	-10-46	-10-46
	Heating(Min-Max)		°C	-15-24	-15-24	-15-24	-15-24	-15-24

* Data is pending;

R32 SUPER MATCH PLUS SINGLE SPLIT(HEAT PUMP)

Convertible



12.5 / 14.0 / 16.0kW



3D airflow



Intelligent sensor (Optional)



Turbo mode 4.2m (12.5/14 kW)



Double 8 to show temperature and error



MODEL			Indoor unit	AC125S2SK1FA	AC125S2SK1FA	AC140S2SK1FA	AC140S2SK1FA	AC140S2SK1FA	AC140S2SK1FA	AC160S2SK1FA
			Outdoor unit	1U125S2SN2FA	1U125S2SN2FB	1U140S2SN1FA	1U140S2SN1FB	1U140S2SP2FA	1U140S2SP2FB	1U160S2SP1FB
Nominal performance data	Capacity	Cooling	Btu/h (nor)	41980	42320	45700	45700	46410	46410	54600
			kW nor(min-max)	12.3(3.0-13.0)	12.4(3.0-13.0)	13.4(3.5-14.0)	13.4(3.5-14.0)	13.6(4.0-15.0)	13.6(4.0-15.0)	16.0(4.5-16.5)
	Heating		Btu/h (nor)	43340	43680	51200	51200	51200	51200	58000
			kW nor(min-max)	12.7(3.5-13.5)	12.8(3.5-13.5)	15.0(4.0-15.5)	15.0(4.0-15.5)	15.0(4.5-16.0)	15.0(4.5-16.0)	17.0(5.0-18.0)
	Rated power input	Cooling	kW nom(min-max)	4.54(1.0-6.0)	4.53(1.0-6.0)	5.23(1.0-6.5)	5.13(1.0-6.5)	4.53(1.0-6.0)	4.53(1.0-6.0)	5.39(1.0-6.5)
		Heating	kW nom(min-max)	3.96(1.0-6.0)	3.93(1.0-6.0)	5.08(1.0-6.5)	4.97(1.0-6.5)	4.17(1.0-6.0)	4.29(1.0-6.0)	4.97(1.0-6.5)
Seasonal performance data	EER/COP			2.71/3.21	2.74/3.26	2.56/2.95	2.61/3.02	3.0/3.6	3.0/3.5	2.97/3.42
	Cooling P design(35°C)		kW	12.3	12.4	13.4	13.4	13.6	13.6	16
	Heating P design(-10°C)		kW	8	8	8.5	8.5	10	10	11
	SEER/SCOP			5.86/3.97	5.86/3.98	5.92/3.97	5.97/4.0	6.16/4.06	6.18/4.06	6.06/4.06
	Energy class(Cooling/Heating)			A+/A	A+/A	A+/A	A+/A+	A++/A+	A++/A+	A+/A+
	Annual energy consumption(Cooling)		kW	738	742	792	786	761	759	924
	Annual energy consumption(Heating)		kW	2995	2976	2995	2976	3791	3791	3791
INDOOR UNIT										
Electrical Parameters	Power supply		Ph/V/Hz	1/220-240/50/60	1/220-230/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Performance	Air flow(H/M/L)		m³/h	2050/1900/1600	2050/1900/1600	2150/1980/1800	2150/1980/1800	2150/1980/1800	2150/1980/1800	2250/2000/1850
	Sound power level(H/M/L)		dB(A)	64	64	66	66	66	66	67
Installation	Sound pressure level(H/M/L)		dB(A)	46/43/41	46/43/41	48/46/43	48/46/43	48/46/43	48/46/43	48/46/43
	External dimensions(W/D/H)		mm	1650/230/680	1650/230/680	1650/230/680	1650/230/680	1650/230/680	1650/230/680	1650/230/680
	Shipping dimensions(W/D/H)		mm	1750/305/779	1750/305/779	1750/305/779	1750/305/779	1750/305/779	1750/305/779	1750/305/779
	Net/Shipping weight		kg	43/51	43/51	43/51	43/51	43/51	43/51	43/51
	Controller		optional	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01
optional			YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	
OUTDOOR UNIT										
Electrical Parameters	Power supply		Ph/V/Hz	1 /220-240/ 50/60	3 /380-415/ 50/60	1 /220-240/ 50/60	3 /380-415/ 50/60	1/220-240/50/60	3/380-415/50/60	3/380-415/50/60
Performance	Air flow (H)		m³/h	4200	4200	4200	4200	7000	7400	7400
	Sound power level		dB(A)	72	72	72	72	70	70	72
	Sound pressure level		dB(A)	58	58	58	58	53	53	58
Installation	External dimensions(W/D/H)		mm	950/370/965	950/370/965	950/370/965	950/370/965	950/370/1350	950/370/1350	950/370/1350
	Shipping dimensions(W/D/H)		mm	1050/485/1130	1050/485/1130	1050/485/1130	1050/485/1130	1050/485/1500	1050/485/1500	1050/485/1500
	Net/Shipping weight		kg	84/89	85/90	84/89	85/90	105/118	101/116	101/116
	Compressor type			Twin rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary
	Refrigerant type			R32	R32	R32	R32	R32	R32	R32
	GWP			675	675	675	675	675	675	675
	Refrigerant liquid pipe		mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Refrigerant gas pipe		mm	15.88	15.88	15.88	15.88	15.88	15.88	19.05
	Max pipe length		m	50	50	50	50	70	70	70
	Max drop between I.U.&O.U		m	30	30	30	30	30	30	30
	Refrigerant load in factory		kg	2.3	2.3	2.3	2.3	2.9	3.5	3.5
	Maximum pipe length without charge refrigerant		m	30	30	30	30	30	30	30
	Refrigerant charge quantity for extra length		g/m	45	45	45	45	45	45	45
Working temp.	Cooling(Min-Max)		°C	-10-46	-10-46	-10-46	-10-46	-10-46	-10-46	-10-46
	Heating(Min-Max)		°C	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24

* Data is pending;

R32 SUPER MATCH PLUS SINGLE SPLIT(HEAT PUMP)