

Sakura Air Conditioner User-friendly, Earth-friendly



SPRT Series
(40,000 - 500,000 Btu)



SPRT-DS Series
Double-skinned 100% Fresh Air

Packaged Roof-top
SPRT Series

Pakaged Roof-top (SPRT Series) - (R-22 Cooling Only 50 Hz)

MODEL		PACKAGE	SPRT40	SPRT50	SPRT60	SPRT80	SPRT105	SPRT120	SPRT150	SPRT210	SPRT250	SPRT310	SPRT360	SPRT400	SPRT500	
Nominal Cooling capacities at 35°C Out door temperature*	Cooling	Btu/h	41,500	49,900	62,500	75,800	105,000	121,506	150,810	210,000	248,700	310,800	358,000	403,000	497,400	
		kW	12.16	14.62	18.32	22.21	30.77	35.60	44.19	61.53	72.89	91.06	104.92	118.11	145.78	
		kcal/h	10,454	12,570	15,743	19,094	26,450	30,618	38,003	52,899	62,648	78,291	90,216	101,556	125,295	
Nominal Cooling capacities at 46°C Out door temperature**	Cooling	Btu/h	38,100	45,300	55,300	68,800	94,600	110,612	137,432	189,200	225,000	279,400	325,000	368,000	450,000	
		kW	11.16	13.27	16.21	20.16	27.72	32.42	40.27	55.44	65.94	81.86	110.87	107.85	131.88	
		kcal/h	9,597	11,411	13,930	17,331	23,830	27,874	34,632	47,659	56,677	70,381	95,319	92,736	113,354	
Power Supply		V/Ph/Hz	380-420 / 3 / 50													
Refrigerant Type		Ph	R-22													
Refrigerant Charge		kg.	3.12	3.28	4.68	4.76	5.80	2 x 4.7	8.12	11.60	16.20	16.24	2 x 15.73	2 x 15.7	2 x 17	
Outer Dimension	Height	inch	25	25	25	29	35	39	39	60	60	60	75	75	85	
	Width	inch	40	40	40	40	40	55	55	75	75	75	80	80	95	
	Depth	inch	58	58	58	65	65	84	84	77	97	97	97	97	105	
Casing		Material Finish	Electro-galvanize Steel Powder paint													
Refrigerant			R-22													
Flow Control			Thermostatic Expansion Valve													
Number of Circuits			1	1	1	1	1	2	2	2	2	2	2	2	2	
CONDENSER SECTION	Compressor	Model	ZR48KC-TFD	ZR61KC-TFD	ZR68KC-TFD	ZR94KC-TFD	ZR125KC-TFD	ZR68KC-TFD	ZR94KC-TFD	ZR125KC-TFD	ZR144KC-TFD	ZR190KC-TFD	ZRT216KC-TFD	ZRT250KC-TFD	ZR288KC-TFD	
		Qty	1	1	1	1	1	2	2	2	2	2	2	2	2	
		Compressor Type	Hermetic Scroll													
		Rated Current	A	7.9	10	10	16.4	19.2	2 x 10	2 x 16.4	2 x 19.2	2 x 17.7	2 x 26.4	2 x 25.2	2 x 28.8	2 x 31.7
		Input Power	w	3600	4430	5200	6750	7950	2 x 5200	2 x 6750	2 x 7950	2 x 10100	2 x 13600	2 x 13600	2 x 15900	2 x 17900
	Vibration Isolator		Rubber													
	Protection Device		Auto Reset Thermal Overload													
	Fan	Number of Fan Per Unit.	Qty.	1	1	1	1	1	2	2	2	3	3	4	4	2
		Fan Type/Drive		Propeller Fan												
		Blade Material		Aluminium												
	Motor	Diameter	inch	24	24	26	26	28	26	26	28	28	28	28	30	30
		Number of Motor Per Unit		1	1	1	1	1	2	2	2	3	3	4	4	4
	Coil	Tube	Material	Inner Groove Copper Tube												
			Diameter	inch	3/8											
		Fin	Material	Louver fin Aluminium												
Row				2	2	3	3	3	3	3	3	3	3	3	3	3
Fin per inch			13	13	13	13	13	13	13	13	13	13	13	14	14	
Maximum Operating Pressure		Psig	450	450	450	450	450	450	450	450	450	450	450	450	450	
Number of Coil Per Unit.		1	1	1	1	1	2	2	2	2	2	2	2	2		
Surface Area	ft ²	9.57	9.57	9.57	11.55	15.6	19.14	23.1	26.68	40.67	40.67	54.3	71.25	90		
Fan Nominal Air Flow		CFM.	1200	1500	2000	2300	3000	3900	4600	6400	8300	9200	12000	13500	15600	
Drain	Condensate Drain		Female Piping Thread Screw													
	Size	FTP	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1	1	1	1	1	1	
	Qty		1	1	1	1	1	2	2	2	2	2	2	2	2	
Fan	Number of Fan Per Unit.	Qty.	1	1	1	1	1	2	2	2	2	2	2	2	2	
	Fan Type/Drive		Centrifugal / Direct Drive						Centrifugal / Belt Drive							
	Blade Material		Aluminium													
Motor	Diameter	inch	10-10	10-10	12-12	12-12	12-12	12-12	12-12	15-15	15-15	15-15	15-15	18-18	18-18	
	Number of Motor Per Unit		1	1	1	1	1	1	1	1	1	1	2	2	2	
	Motor type		Permanance split capacitor						Induction motor 3Phase							
Coil	Tube	Material	Inner Groove Copper Tube													
		Diameter	inch	3/8												
	Fin	Material	Louver fin Aluminium													
		Row		3	3	3	3	3	3	3	3	3	3	4	4	
	Fin per inch		13	13	13	13	13	13	13	13	13	13	13	13	13	
	Maximum Operating Pressure	Psig.	120	120	120	120	120	120	120	120	120	120	120	120	120	
Number of Coil Per Unit.		1	1	1	1	1	1	1	1	1	1	1	1	1		
Surface Area	ft ²	3.34	3.34	4.73	4.73	6.67	9.46	9.46	15.6	18.51	18.51	27	27	31.8		

Remark :

- The capacity are gross capacities, which include the effect of evaporator fan motor heat
 Evaporator Air Inlet Temperature Condenser Air Inlet Temperature
 27°C DB (80°F DB) * 35°C DB (95°F DB)
 19°C WB (66°F WB) ** 46°C WB (115 °F WB)

- Specification are subjected to change without prior notice.
- The outer dimension will be final upon the confirmation or the order
- Cooling / heating models are available.