

Specification Rooftop Packed Air Conditioner

Model : Rooftop Air cool

Distribution to :

Sale	Approved	Checked	Engineering	Approved	Checked

Models		DPRT-04	DPRT-05	DPRT-06	DPRT-08	DPRT-10	DPRT-12	DPRT-15	DPRT-20	DPRT-25	DPRT-30	DPRT-36	DPRT-40	DPRT-48	DPRT-60		
Nominal Capacity	Btu/h	40000	50000	60000	80000	100000	120000	150000	200000	250000	300000	360000	400000	480000	600000		
	kW	11.7	14.6	17.6	23.4	29.3	35.2	43.9	58.6	73.2	87.9	105.5	117.2	140.6	175.8		
	kcal/h	10079	12599	15119	20158	25198	30237	37797	50396	62994	75593	90712	100791	120949	151187		
Power Supply	V/Ph/Hz	380/3/50															
Power Consumption	kW	3.9	5.3	6.2	8.4	10.6	12.3	17.0	23.5	28.1	34.9	39.9	45.6	53.5	68.4		
Running Current	A	8.5	11.5	13.2	16.4	19.7	22.9	33.2	43.5	52.6	67.9	75.1	82.6	96.7	131.0		
Refrigerant Type		R-22															
Power Supply	V/Ph/A	380/3/50															
Capacity Step	%	0-100							0-50-100								
Air Flow rate	CMH	2260	2830	3400	4500	5670	6800	8500	11340	14150	17000	20400	22670	27200	34000		
ESP	Pa	100	100	100	150	150	150	150	300	300	300	300	300	300	300		
TSP	Pa	220	220	220	220	270	270	270	415	415	415	415	415	415	415		
Evaporator Unit	Fan	Type	Forward Curve Centrifugal Double Inlet														
		Material	Galvanize Steel														
		Drive Method	Belt Drive														
		Speed	rpm	973	1050	1047	999	829	853	720	749	750	739	696	598	621	565
		Quantity	n	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Motor	Type	Induction														
		Nominal Power Output	kW	0.37	0.75	0.75	1.10	1.10	1.50	2.20	4.00	4.00	5.50	7.50	7.50	11.00	11.00
		Full Load Amp	A	1.12	2.03	2.03	2.89	2.89	3.7	5.16	8.8	8.8	11.8	15.6	15.6	22.3	22.3
		Power Supply	V/Ph/Hz	380/3/50Hz													
		Speed	rpm	1330	1390	1390	1390	1390	1390	1410	1435	1435	1440	1440	1440	1460	1460
Cooling Coil	Type	Aluminum Coated Fin and Ripple Copper Tube size 3/8"															
	Size	in. x mm.	30 x 330	32 x 390	32 x 465	40 x 495	40 x 620	40 x 745	40 x 930	60 x 850	60 x 1030	72 x 850	72 x 1240	72 x 1375	84 x 1415	84 x 1700	
	Face Area	ft ²	2.71	3.41	4.07	5.41	6.78	8.15	10.17	13.94	16.90	16.73	24.41	27.07	32.50	39.04	
	Fin Type		Slit														
	Filter	Type	none														
Pre Half (12 x 24)		n	-	-	-	-	-	-	-	-	-	-	-	-	-		
Full (24 x 24)		n	-	-	-	-	-	-	-	-	-	-	-	-	-		
Refrigerant Control		Expansion Valve															
Casing	Material	Electro Galvanized Steel															
	Finishing	Polyester Paint															
	Insulation	mm	PE 10 mm														
Power Supply	V/Ph/A	380/3/50															
Air Flow rate	CMH	4000	5000	6500	10000	10000	12000	16000	24000	24000	34000	34000	48000	48000	50000		
Compressor	Type	Scroll															
	Quantity	n	1	1	1	1	1	1	2	2	2	2	2	4	4		
	Lock Rotor Amp(LRA)	A	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Nominal Current	A	6.3	8.2	8.9	12.5	15.8	17.6	25.6	31.5	40.6	51.2	54.6	70.4	102.4		
	Input Power	kW	3.4	4.4	5.2	6.8	9.0	10.1	13.6	18.0	22.6	27.2	30.2	36.0	40.4	54.4	
	Power Supply	V/Ph/Hz	380/3/50Hz														
	Protection Device		Internal Overload Protector + Phase Protector														
Fan	Type	Propeller															
	Material	Aluminum															
	Size	in	20"	18" x 2	20" x 2	24"	24"	26"	28"	26"	26"	28"	28"	24"	24"	26" x 4	
	Drive Method		Direct														
	Speed	rpm	950	950	950	950	950	950	950	950	950	959	959	959	959	959	
Motor	Type	Permanent Split Cap			Induction				Induction		Induction		Induction		Induction		
	Nominal Power Input	kW	0.13	0.15	0.26	0.52	0.52	0.73	1.17	1.50	1.50	2.20	2.20	2.10	2.10	3.00	
	Full Load Amp	A	1.12	1.30	2.24	1.00	1.00	1.58	2.43	3.16	3.16	4.86	4.86	4.00	4.00	6.32	
	Power Supply	V/Ph/Hz	220/1/50			380/3/50											
	Speed	rpm	700	700	700	906	906	950	950	950	950	950	950	950	950	950	
	Quantity	n	1	1	1	1	1	1	1	2	2	2	2	4	4	4	
Condenser	Type	Aluminum Fin and Plain Copper Tube size 3/8"															
	Size	in. x mm.	30 x 1000	32 x 1200	32 x 1400	40 x 1400	40 x 1800	40 x 2100	40 x 2260	60 x 1200 (n=2)	60 x 1200 (n=2)	72 x 1200 (n=2)	72 x 1600 (n=2)	72 x 1600 (n=2)	84 x 2000 (n=2)	84 x 2000 (n=2)	
	Face Area	ft ²	8.20	10.50	12.25	15.31	19.69	22.97	24.72	39.37	39.37	47.24	62.99	62.99	91.86	91.86	
	Fin Type		Waffle														
	Row/FPI		2/15	2/16	2/16	2/13	2/16	2/16	2/16	2/16	3/13	2/16	2/16	2/16	2/16	3/16	
Suction Pipe	in	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Discharge Pipe	in	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Weight	Unit	kG															
Shipping	kG	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dimension	Unit(WxDxH)	mm															
Shipping(WxDxH)	mm	1200x1200x950	1200x1200x1000	1300x1350x1000	1200x1600x1250	1450x1700x1250	1450x1900x1250	1750x2140x1250	1700x1900x1750	1850x2190x1750	1850x2150x2050	2100x3040x2050	2250x3175x2050	2250x3215x2330	2250x3650x2330		
Shipping(WxDxH)	mm	1200x1200x1050	1200x1200x1100	1300x1350x1100	1200x1600x1350	1450x1700x1350	1450x1900x1350	1750x2140x1250	1700x1900x1850	2100x2190x1850	1850x2150x2150	2100x3040x2150	2250x3175x2150	2250x3215x2430	2250x3650x2430		



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