



Airco ARWK Range of Rooftop packaged unit,



Product	Rooftop packaged unit		ARWK18R B	ARWK28R B	ARWK35RB	ARWK50RB	ARWK70RB	ARWK90RB	ARWK105RB	ARWK120RB	ARWK140R B	ARWK180R B	ARWK210R B	ARWK260R B
Capacity	Cooling	kW	18	27.5	35.6	50	70	90	105	121	140	180	210	260
		TR	5	8	10	14	20	26	30	34	40	51	60	74
	Heating	kW	18.2	28.3	38	54	75	96	110	126	146	188	220	272
		TR	5	8	11	15	21	27	31	36	42	53	63	77
Max starting current		A	35	50	76	168	181	196	211	112	232	252	266	301
Running current on cooling		A	12	17	26	36	58	64	70	93	82	110	138	160
Running current on heating		A	12	17	24	34	55	59	65	80	76	102	130	152
Power input	Cooling	kW	6.23	9.45	12	20	27	32	33	45	40	56	70	83
	Heating	kW	6.25	9.45	11	18	25	29	30	38	37	52	65	77
Compressor	Brand		Panasonic											Copeland
	Model		C-SBP205H38A	C-SCP315H38A	C-SCP400H38A	C-SCP315H38A / C	C-SCP400H38A	C-SCP435H38B	C-SCP510H38B	C-SCP360H38A	C-SCP400H38A	C-SCP435H38B	C-SCP510H38B	VP232KSE-TEP-522
	Quantity		1	1	1	2	2	2	2	4	4	4	4	4
	Refrigerant		R410a											
	Refrigerant charge	kG	4.5	6	6.5	12.8	17	20	22.5	28	34	40	45	51
Condenser	Coil		Copper pipe with hydrophilic coated 0,11 mm aluminium fins (12 fins/inch)											
	Copper pipe type		7mm internal thread											
	Fan type		Axial											
	Fan drive		Direct											
	Motor qty		1	1	1	1	2	2	2	4	4	4	4	4
	RPM		710	710	930	930	930	930	930	930	930	710	930	930
	Motor input power	kW	0.37	0.55	1.1	1.5	1.5	1.5	3	4.4	4.4	4.4	6	8.8
Evaporator	Coil		4 rows copper pipe with hydrophilic coated 0.11 mm aluminium fins (12 fins/inch)											
	Copper pipe type		7mm internal thread											
	Fan type		Centrifugal											
	Evaporator fan drive		Direct drive						Belt drive					
	RPM		960r/min	1400r/min	1400r/min	950r/min	960r/min	960r/min	716r/min	634r/min	634r/min	757r/min	676r/min	593r/min
	Motor input power	kW	0.8	1.1	2.2	2.2	5.5	5.5	5.5	5.5	5.5	11	15	15
	Air flow rate	m³/h	3,400	5,200	6,000	8,000	12,500	16,000	19,000	22,000	24,000	30,000	36,000	36,000
		cfm	2,000	3,050	3,500	4,700	7,350	9,412	11,200	12,941	14,700	17,647	21,176	21,176
	External static pressure	Pa	100	150	250	250	300	300	300	400	400	400	500	500
inch H2o		0.4	0.6	1.0	1.0	1.2	1.2	1.2	1.6	1.6	1.6	2.0	2.0	
Evaporator section panel		Single skin: painted galvanized steel, side 1.0mm, roof + supports 2.0mm insulation: armaflex 20mm									30mm PU double skin, 0.5mm inner/outer galvanized steel panel+1.5mm rain cover			
Galvanized thickness	µm	80	80	80	80	80	80	80	80	80	80	80	80	
Paint thickness	µm	60	60	60	60	60	60	60	60	60	60	60	60	
Filter material		Aluminium G3												
Noise	db(A)	70	72	72	72	74	74	75	75	75	79	79	80	80
System pressure control		High/low pressure switch												
Dimension	L	mm	1860	2010	2,010	2,010	2,930	2,960	2,960	4,790	4,790	4,790	4,790	4,790
	W	mm	965	1165	1,158	1,158	2,150	2,250	2,250	2,280	2,280	2,280	2,280	2,280
	H	mm	1050	1155	1,155	1,155	1,230	2,005	2,005	2,062	2,062	2,062	2,062	2,062
Weight	kg	280	320	384	600	800	1,280	1,300	2,400	2,750	2,800	2,850	2,900	
Options	Filter	Filter G3+G4												
	Evaporator coil	6 rows copper pipe with hydrophilic coated with aluminium fins												
	Panels	30mm PU double skin for models smaller than												

\*Cooling conditions: outdoor: 35°C, indoor: 27°C/19°C (DB/WB)