



Derby Ducted Reverse Cycle Split Systems 2008 Model & Technical Details

Derby Ducted Model Lineup

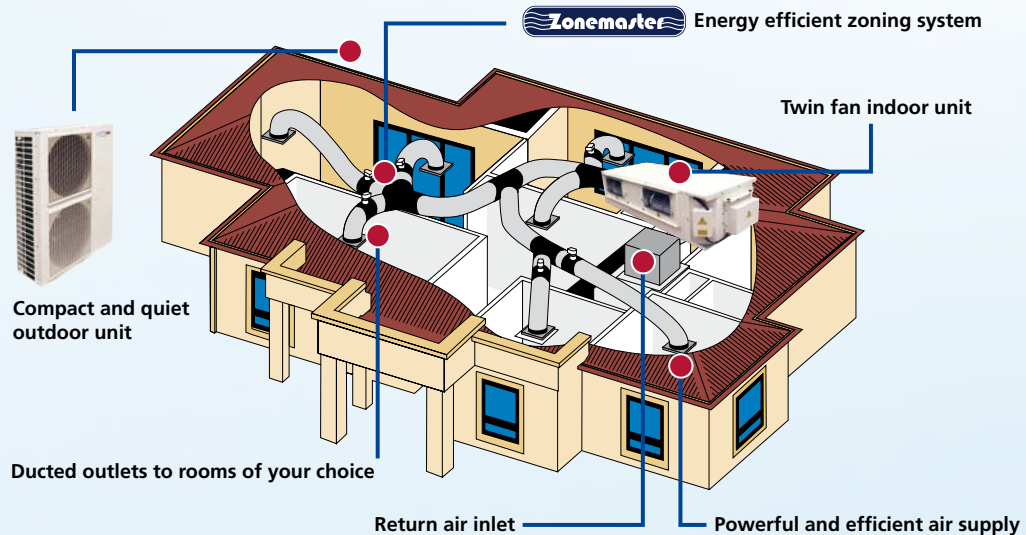
			1 PHASE	1 PHASE	3 PHASE	1 PHASE	3 PHASE
DERBY INDOOR/OUTDOOR MODEL			DD709GZ	DD711GZ	DD714GZ	DD715GZ	DD717GZ
Total Rated Cooling Capacity	kW		8.60	10.80	13.40	14.90	16.30
Rated Sensible Cooling Capacity	kW		7.30	9.10	11.00	11.70	13.10
Rated Dehumidifying Effect	kW		1.30	1.70	2.40	3.20	3.20
Moisture Removal	L/hr		1.90	2.45	3.48	4.63	4.16
Rated EER			2.65	2.60	2.90	2.65	2.90
Rated Heating Capacity*	kW		7.50	10.10	12.60	15.10	16.10
Rated COP			2.80	3.00	3.25	3.10	3.15
Power Supply	V/Ph/Hz		220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
Running Current	Cooling	A	14.17	17.97	8.06	25.96	9.28
Test, rated & labeled	Heating	A	11.75	15.12	7.26	22.89	8.72
Power Consumption	Cooling	W	3,270	4,100	4,630	5,670	5,600
Test, rated & labeled	Heating	W	2,660	3,350	3,900	4,890	5,140
Piping Connection	Type		Flare				
	Liq/Gas/Drain	mm	Ø9.5/15.9/ID.26.6	Ø9.5/15.9/ID.26.6	Ø12.7/19/ID.26.6	Ø12.7/19/ID.26.6	Ø12.7/19/ID.26.6
	Max. Length	m	30				
	Max. Height	m	+/- 15				
DERBY INDOOR MODEL			DD709G	DD711G	DD714G	DD715G	DD717G
Evaporator Coil	Face Area	m ²	0.35	0.48	0.75	0.75	0.85
	Row		3				
	Fin Type/Fin Pitch	mm	Louver/1.21	Louver/1.21	Louver/1.21	Louver/1.21	Louver/1.41
	Tube	mm	Ø7 - Grooved				
Blower	Type		Double Inlet Centrifugal Fan				
	Size Dia. X Length	mm	Ø203 x 236	Ø203 x 236	Ø203 x 236	Ø203 x 287	Ø203 x 287
	No.		2				
Fan Motor	Type		Permanent Split Capacitor				
	Power Supply	V/Ph/Hz	220-240/1/50				
	No.		1				
	Running Current	A	1.55	1.64	1.65	1.65	2.36
	Nominal Output	W	290	290	527	527	527
Nominal Air Flow Rate	l/s	595	660	770	770	850	
External Static Pressure	Pa	100	120	120	120	120	
Dimension	H x W x D	mm	300 x 1180 x 600	360 x 1400 x 660	360 x 1400 x 660	440 x 1400 x 850	480 x 1400 x 950
Net Weight	Kg		45	62	73	75	75
DERBY OUTDOOR MODEL			DD709Z	DD711Z	DD714Z	DD715Z	DD717Z
Condenser Coil	Face Area	m ²	0.65	0.72	1.18	1.18	1.32
	Row		2				
	Fin Type/Fin Pitch	mm	Louver/1.41	Louver/1.41	Louver/1.21	Louver/1.21	V-Waffle/1.41
	Tube	mm	Ø9.5 - Grooved				
Fan	Type		Propeller Direct Drive				
	Diameter	mm	Ø560	Ø560	Ø480	Ø480	Ø560
	No.		1	1	2	2	2
Fan Motor	Type		Permanent Split Capacitor				
	Power Supply	V/Ph/Hz	220-240/1/50				
	No.		1	1	2	2	2
	Running Current	A	1.16	1.27	1.56	1.56	1.92
	Nominal Output	W	112	216	100	112	216
Compressor	Type		Rotary	Rotary	Scroll	Scroll	Scroll
	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
Refrigerant	Type		R-22				
	Charging Weight	Kg	3.05	3.40	5.70	5.70	6.80
Nominal Air Flow rate	l/s		1280	1370	1580	1610	2720
Sound Pressure Level	dB (A)		56	60	58	58	61
Dimension	H x W x D	mm	755 x 985 x 375	755 x 985 x 375	1267 x 922 x 336	1267 x 922 x 336	1435 x 922 x 336
Net Weight	Kg		63	65	113	122	149

Note:

* Cooling capacity and electric characteristics are based on 27°C DB, 19°C WB indoor temp. and 35°C outdoor temp. at high speed. Power Supply 415V/3PH/50Hz. Operative up to 43°C outdoor Temp. , Refrigerant pipe length 12m. * Heating capacity and electric characteristics are based on 20°C DB indoor temp. and 7°C DB, 6°C WB outdoor temp. at high speed. Power Supply 415V/3PH/50Hz. Operative down to -5°C outdoor temp. , Refrigerant pipe length 12m.

Derby Ducted Reverse Cycle Split Systems

Derby Ducted Systems offer the ultimate in climate control by efficiently cooling or heating every room in the home. Modern design with a powerful but quiet fan ensures high efficiency delivery of air throughout the system.



Derby Ducted Features

Auto Restart - The system has built-in memory so that it will restart on the last setting after a power failure.

Quiet Operation - Innovative design combines with Derby's superior fan technology means both the indoor and outdoor units are very quiet so they won't disturb you OR the neighbours.

Hot Start Mode - Derby's modern programming ensures that there are no annoying cold draughts when the unit starts up in heating mode.

Durability - Both the Indoor and Outdoor units are galvanised AND powder coated for long life and low maintenance.



Outdoor Unit Features

Derby's compact outdoor unit design requires minimal space for installation. They can be mounted on the ground or on a wall using compatible Topline Brackets and Fittings (also from Polyaire)

Derby's outdoor units are built to withstand the extremes of the Australian weather conditions with fully galvanised, durable powder coated finishes to protect and preserve your investment.

Derby uses only the latest compressor technology for low maintenance, long service life. Either Copeland Scroll, or high efficiency rotary compressors (depending on model) are used to enhance performance, lower energy consumption and reduce noise. Less moving parts means less servicing costs.



Indoor Unit Features

Derby has developed a range of low profile ducted indoor units ideally suited for fitting into low roof cavities and apartment roof spaces.

This feature, combined with microprocessor controls, high performance, low noise and high efficiency heat exchange cells means that Derby is the perfect choice for homes, multi-storey apartments and commercial applications.

Smart Function Memory and Controls

- Programmable for temperature
- Programmable for On/Off times
- Standard programmable sleep function with temperature setback
- Recall function returns to the last setting after a power failure