


Durachill

Air Cooled 1½ HP – 3 HP

MODEL		DCA150		DCA180		DCA200		DCA300	
Compressor	Nom. HP	1.5		2		2		3	
		60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz
Cooling Capacity ⁽¹⁾	Tons	1.48	1.23	1.70	1.42	1.99	1.66	2.99	2.49
	Watts	5,200	4,333	6,000	5,000	7,000	5,833	10,500	8,750
	BTU/hr	17,732	14,777	20,460	17,050	23,885	19,904	35,827	29,856
Nominal Evaporator Flow ⁽²⁾	USGPM / LPM	3.72 / 14.08	3.10 / 11.73	4.1 / 15.5	3.42 / 12.92	4.82 / 18.25	4.02 / 15.21	6.92 / 26.2	5.77 / 21.83
Pressure ⁽³⁾	PSIG / KPA	60 / 413		35 / 241		7.5 / 51		14 / 96	
Pump Horse Power	H.P. / Watts	1/3 / 248		1 / 745		1/5 / 149		1/3 / 248	
Fan(s)	H.P. / Watts	1/6 / 123		1 @ 3/4 / 559		2 @ 1/6 / 123		2 @ 1/6 / 123	
Condenser Discharge Air Flow	CFM / CUM	1070 / 30		1600 / 45		2470 / 69		2170 / 61	
Process Connections (To & From)	Inches	1/2		1		3/4		3/4	
Reservoir Tank Capacity	US gallons / Liters	3.5 / 13.3		3.5 / 13		7 / 26		7 / 26	
Dimensions (d x w x h)	Inches /	30.5 x 19 x 26		42 x 27 x 26.5		30.5 x 37 x 42		30.5 x 37 x 42	
	Centimeters	77.5 X 48.3 X 66		106.7 X 68.6 X 67.3		77.5 X 94 X 106.7		77.5 X 94 X 106.7	
Shipping Weight	LB / KG	270 / 123		440 / 199		570 / 258		580 / 263	
Ambient Temperature	F	60 F - 95 F		60 F - 95 F		60 F - 95 F		60 F - 95 F	
	C	16 C - 35 C		16 C - 35 C		16 C - 35 C		16 C - 35 C	
Temperature Range	F	41 F - 95 F		41 F - 95 F		41 F - 95 F		41 F - 95 F	
	C	5 C - 35 C		5 C - 35 C		5 C - 35 C		5 C - 35 C	
Temperature Stability	F	0.9 F		0.9 F		0.9 F		0.9 F	
	C	0.5 C		0.5 C		0.5 C		0.5 C	
Nominal Rated Amps (Volts/Phase/Hz)	460V/3/60	-		6.5		8.5		13.3	
	230V/3/60	-		12		14		26	
	230V/1/60	13		19		22		29	

NOTE: 1. Capacity based on 68 F (20 C) entering air, and leaving water 68 F. Allowance made for heat gain from pump.
 2. Chiller flow rate based on 2.4 USGPM/ton (0.54m³/hr/ton).
 3. Pumps: DCA150 - Positive Displacement; DCA200 and DCA300 – Magnetic Drive Centrifugal
 4. Process flow less than 1.92 gpm per ton or greater than 3.6 gpm per ton may require a recirculation pump.

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