

# Durachill

## Water Cooled 1 ½ HP – 3 HP

MODEL		DCW150		DCW200		DCW300	
Compressor	Nom. HP	1.5		2		3	
		60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz
Cooling Capacity <sup>(1)</sup>	Tons	1.51	1.26	2.02	1.68	3.11	2.59
	Watts	5,328	4,440	7,087	5,906	10,936	9,113
	BTU/hr	18,168	15,140	24,189	20,158	37,326	31,105
Nominal Evaporator Flow <sup>(2)</sup>	USGPM / LPM	4.3 / 16.28	3.58 / 13.57	4.84 / 18.32	4.03 / 15.27	7.46 / 28.24	6.22 / 23.53
Pressure <sup>(3)</sup>	PSIG / KPA	60 / 413		7.5 / 51		14 / 96	
Pump Horse Power	H.P. / Watts	1/3 / 248		1/5 / 149		1/3 / 248	
Water Condenser Flow-Tower Water	USGPM / LPM	5.4 / 20.44		6.05 / 22.9		9.33 / 35.3	
Water Condenser Connections	Inches	3/4		3/4		3/4	
Process Connections (To & From)	Inches	1/2		3/4		3/4	
Reservoir Tank Capacity	US gallons / Liter	3.5 / 13.3		7 / 26.5		7 / 26.5	
Dimensions (d x w x h)	Inches / Centimeters	30.5 x 19 x 26		30.5 x 37 x 42		30.5 x 37 x 42	
		77.5 X 48.3 X 66		77.5 X 94 X 106.7		77.5 X 94 X 106.7	
Shipping Weight	LB / KG	340 / 154		535 / 242		545 / 247	
Ambient Temperature	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	
Temperature Range	F	41 – 95 F		41 - 95 F		41 - 95 F	
	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	
	C	0.5 C		0.5 C		0.5 C	
Nominal Rated Amps (Volts/Phase/Hz)	460V/3/60	-		7.6		11.7	
	230V/3/60	-		12.2		23.4	
	230V/1/60	12		-		-	

NOTE: 1. Tower flow rate based on 85 F (29 C) entering water, and 95 F (35 C) leaving water. Allowance made for heat gain from pump.  
 2. Chiller flow rate based on 2.4 USGPM/ton (0.54m<sup>3</sup>/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.