



Condensate/water pumps

DriSteem stocks Hartell water pumps for installations without gravity drain available. These pumps are completely assembled and adjusted at the factory; they can be used to pump water from any DriSteem evaporative steam humidifier or from dispersion tube humidifier condensate drains.

Note: For dispersion tube humidifier applications, these pumps must be installed downstream from the water seal or steam trap.

Table 1-1: Condensate/water pump models			
	High temperature / high capacity	High temperature / low capacity	Low temperature / high capacity
Hartell model name	SC-1A	A2-SA	L4
Pump type	High capacity, for water up to 212 °F (100 °C)	Heavy duty, for water up to 212 °F (100 °C)	Heavy duty, high capacity, for water up to 150 °F (66 °C) (use with Drane-cooler™)
Flow at 12' (3.6 m) lift	63 gpm (3780 gph) 14308 liters/hr	2.3 gpm (139 gph) 526 liters/hr	63 gpm (3780 gph) 14308 liters/hr
Flow vs. lift	See Table 2-1	See Table 2-2	See Table 2-1
Motor	115V/230V dual voltage (factory wired for 115V AC), 0.5 hp at 3,450 rpm	115V 0.1 hp at 3,000 rpm	115V/230V dual voltage (factory wired for 115V AC), 0.5 hp at 3,450 rpm
Reservoir	4 gallons (15.14 liters), cast aluminum, vapor seal	1 gallon (3.76 liters), cast aluminum	2 gallons (7.57 liters), cast aluminum
Cord set	Integral junction box	6' (1.8 m) cord and plug	Integral junction box
Inlet size	1 1/2" NPT (DN40), female	Two 1 1/4" (DN32) openings	1 1/2" NPT (DN40), female
Outlet size	3/4" NPT (DN20), female	3/8" NPT (DN10), female	1" NPT (DN25), female
Full-load current	7.46/3.7 A	3.5 A	7.46/3.7 A
Dimensions (W × D × H)	12" × 12" × 19" 305 mm × 305 mm × 483 mm	6" × 9" × 11" 152 mm × 229 mm × 279 mm	10" × 8" × 17" 254 mm × 204 mm × 432 mm
Weight	45 pounds 20.4 kg	12 pounds 5.4 kg	34 pounds 15.4 kg
Agency recognition	Components are UL recognized and wired per NEC requirements.		

Table 2-1:
Flow vs lift for high-capacity pumps (SC-1A and L4)

hp@rpm	Voltage	Full load amps	Performance							Shutoff	Dimensions			
			Lift/Feet	6'	12'	18'	24'	36'	45'		Width	Length	Height	Weight
1/2 @ 3450	115/230	7.46/3.7	Gallons/min	70	63	57	47	30	-	12" 30.4cm	12" 30.4cm	19" 48.2cm	45 lbs 20.4kg	
			Gallons/hr	4200	3780	3420	2820	1800	-					
			Lift/meter	1.8 m	3.6 m	5.5 m	7.3 m	10.9 m	13.7 m					
			Liters/hr	15898	14308	12946	10674	6813	-					

Table 2-2:
Flow vs lift for high-capacity pumps (A2-SA)

Voltage	Full load amps	Performance					Max lift	Dimensions			
		Lift/Feet	6'	12'	18'	20'		22'	Width	Length	Height
115	3.5	Gallons/min	3.1	2.3	1.3	0.85	-	6" 15cm	9" 22.8cm	11" 27.9cm	12 lbs 5.4kg
		Gallons/hr	185	139	79	51	-				
		Lift/meter	1.8 m	3.7 m	5.5 m	6.0 m	6.7 m				
		Liters/hr	700	526	299	193	-				

FIGURE 2-1: DIMENSIONS: HIGH-TEMPERATURE, HIGH-CAPACITY MODEL (SC-1A)

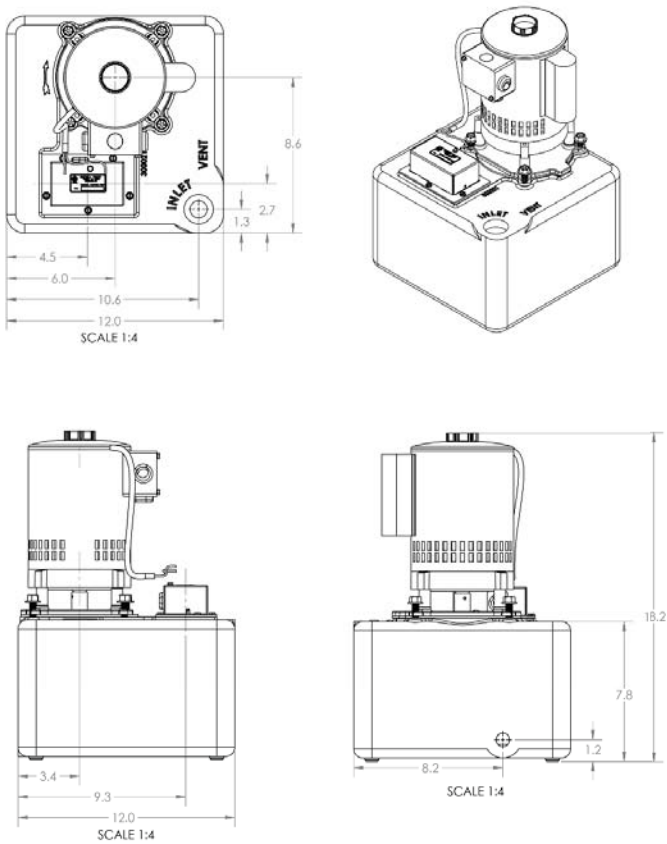


FIGURE 3-1: DIMENSIONS: HIGH-TEMPERATURE, LOW-CAPACITY MODEL (A2-SA)

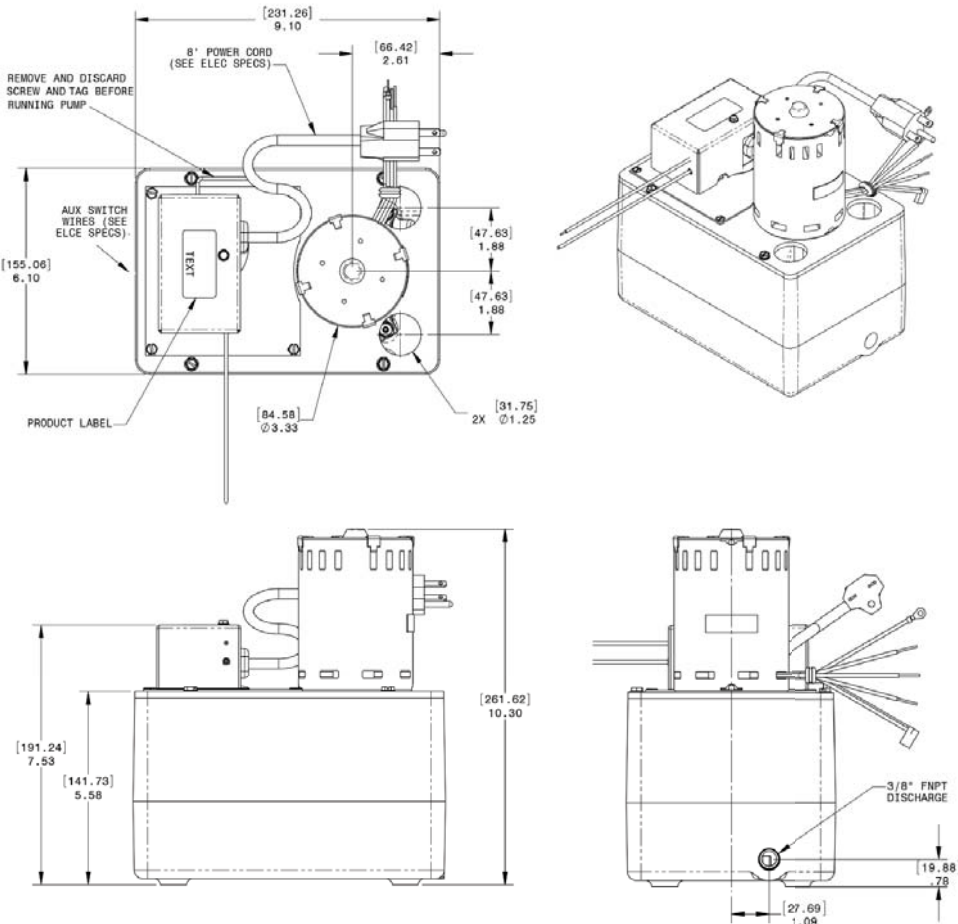
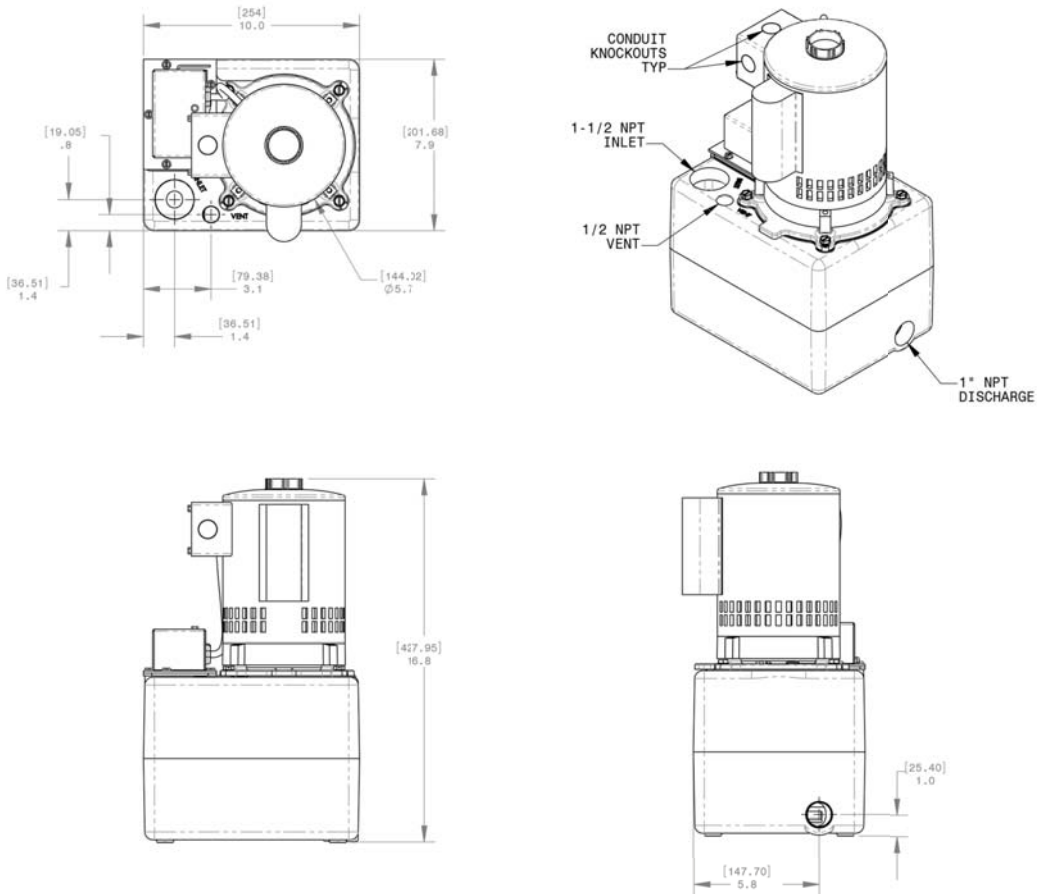


FIGURE 4-1: DIMENSIONS: LOW-TEMPERATURE, HIGH-CAPACITY MODEL (L4)



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