

Incubator/Hatcher Capacity Comparison

	Incubators						Hatchers			
	P 10	P 20	P 40	P 60	P 80	P 120	P 10	P 20	P30	P 40
Chicken	Max Capacity, 16 Tier Racks, 168 Egg Flat						Max Capacity, 16 Tier Dollies, 168 Basket			
	10,080	21,504	43,008	64,512	86,016	129,024	10,080	21,504	32,256	43,008
Turkey/Duck	Max Capacity, 15 Tier Racks, 168 Egg Flat						Max Capacity, 15 Tier Dollies, 168 Basket			
	10,752	20,160	40,320	60,480	80,640	120,960	10,752	20,160	30,240	40,320
Number of Racks or Dollies	Max Capacity, 13 Tier Racks, 30 Egg Flat						Max Capacity, 13 Tier Dollies, 120 Basket			
	6,240	12,480	24,960	37,440	49,920	74,880	6,240	12,480	18,720	24,960
Available flats or baskets: Chicken	168, 84, 77, 42, 36						168, 154, 144			
Available flats or baskets: Turkey/Duck	30, 25						120, 100			
Dimensions										
Width	74" (1574 mm)	116" (2946 mm)	154" (3912 mm)	211" (5359 mm)	154" (3912 mm)	211" (5359 mm)	116" (2946 mm)	116" (2946 mm)	154" (3912 mm)	174" (4394 mm)
Depth	112" (2845 mm)	112" (2845 mm)	112" (2845 mm)	112" (2845 mm)	211" (5359 mm)	211" (5359 mm)	112" (2845 mm)	112" (2845 mm)	112" (2845 mm)	112" (2845 mm)
Height (add 24"/610 mm for intake duct)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)	98" (2489 mm)
Room Conditions										
Temperature Range	72°F-78°F (22°C-26°C)									
Relative Humidity	40-50%									
Fresh Air Requirement/Machine	0-80 CFM (0-136 m³/hr.)	0-160 CFM (0-272 m³/hr.)	0-240 CFM (0-408 m³/hr.)	0-350 CFM (0-595 m³/hr.)	0-500 CFM (0-850 m³/hr.)	25-190 CFM (40-323 m³/hr.)	25-190 CFM (40-323 m³/hr.)	50-290 CFM (85-493 m³/hr.)	75-400 CFM (127-680 m³/hr.)	
Room pressure to Outside	.005-.015 in w.g. (1.2-3.7 Pa)				.01-.02 in w.g. (2.5-5 Pa)		.005-.015 in w.g. (1.2-3.7 Pa)			.01-.02 n w.g. (2.5-5 Pa)
Exhaust Pressure to Room	-.02 to -.03 in w.g. (-5 to -7.5 Pa)				-.025 to -.035 in w.g. (-6.2 to -8.7 Pa)	-.03 to -.04 in w.g. (-7.5 to -10Pa)	-.015 to -.02 in w.g. (-3.7 to -5 Pa)	-.015 to -.02 in w.g. (-3.7 to -5 Pa)	-.02 to -.03 in w.g. (-5 to -7.5 Pa)	-.03 to -.04 in w.g. (-7.5 to -10 Pa)
Compressed Air	.3-.4 SCFM (.51-.68Nm³/hr.)	.6-.8 SCFM (1.02-1.36 Nm³/hr.)	.8-1.2 SCFM (1.36-2.04 Nm³/hr.)	1.2-1.6 SCFM (2.04-2.72 Nm³/hr.)	1.6-2.4 SCFM (2.72-4.08 Nm³/hr.)	N/A				
Electrical Requirements										
Water Heat										
Voltages Available	200/240 V (1/3P), 380 V (3P), 480 V (3P), 50/60 Hz				200/240 V (3P), 380 V (3P), 480 V (3P), 50/60 Hz		200/240 V (1/3P), 380 V (3P), 480 V (3P), 50/60 Hz			
Average/Peak Demand	.91/1.52 kW				1.75/3.03 kW		1.52/1.52 kW			
Electric Heat										
Voltages Available	220 V (3P), 380 V (3P), 480 V (3P), 50/60 Hz						220 V (3P), 380 V (3P), 480 V (3P), 50/60 Hz			
Average/Peak Demand	1/7.52 kW	1.3/7.52 kW	1.49/7.52 kW	2.52/15.03 kW	2.91/15.03 kW	1.69/7.52 kW				
Water Requirements										
Cooling Water	3 US Gal/Min (11.4 L/Min)*				8 US Gal/Min (30.3 L/Min)*	10 US Gal/Min (37.9 L/Min)*	3 US Gal/Min (11.4 L/Min)*			4 US Gal/Min (15.1 L/Min)*
Heating Water	3 US Gal/Min (11.4 L/Min)**				8 US Gal/Min (30.3 L/Min)**	10 US Gal/Min (37.9 L/Min)**	3 US Gal/Min (11.4 L/Min)**			4 US Gal/Min (15.1 L/Min)*
Humidification (Optional)	1.15 USGPH (4.35 L/hr.)***				2.3 USGPH (8.7 L/hr.)***	2.3 USGPH (8.7 L/hr.)***	3 USGPH (11.36 L/hr.)***			

* 30-40 psi (207-275 kPa) at ECU, 55°F (14°C)
 ** 30-40 psi (207-275 kPa) at ECU, 150°F (65°C)
 *** 60-100 PSI (415-690 kPa)

