

# DIURNAL PLANT GROWTH OR SEED GERMINATION CHAMBERS

Developed with Mother Nature in mind, these chambers offer digitally controlled temperature and lighting day/night cycles to simulate the nurturing environment seeds and plants need for successful growth. The standard models shown below feature clock controlled temperature (hi/low) and lighting (on/off) suitable for studying many plant species. These chambers have a temperature range of 2-50°C, ± 1°C at the sensor, and failsafes to protect the chamber. For plants or experiments with more rigorous requirements, many options can be selected from the Accessories Sheet...the temperature control can be stepped up to a multi-point "ramp and soak" microprocessor, the number of lights can be increased (vertically, horizontally, or both), fresh air intake installed, LED lighting substituted, additive RH included, or horizontal air flow ducts added for better temperature uniformity under the lights.

- Microprocessor controlled temperature with digital display
- 2-50°C temperature range, lights on or off
- High and low temperature failsafes
- Digital clock-controlled hi/low temperature settings
- Digital clock-controlled fluorescent lights
- Two horizontal 4100 K fluorescent lights per shelf (optional LED)
- Light intensity of 80-100 micromoles per shelf
- Four levels of shelves, adjustable every 1/2" (except DS26SD)
- Shelves are heavy-duty epoxy coated steel wire
- Solid doors, gliding or hinged
- Stainless steel interior bottom pan
- Casters, locking, 4"
- Height of chamber sized to fit through doorways
- Powder coat white or gray exterior/interior finish over steel
- One year parts and labor warranty
- Four additional years on the compressor (part only)



Model DS33SD

Model	Style	Capacity (ft <sup>3</sup> /liters)	Dimensions		Shelves # w/lights + # extra and Size	# Lights	Electrical (domestic)	HP	Shipping Weight (lbs/kg)
			Exterior (in/cm)	Interior (in/cm)					
DS26SD		10/285	26/66	W 22/56	3 + 1 21" x 17"	6	115/60/1 15 amps	1/5	225/100
			22/56	D 19/48					
			60/152	H 41/104					
DS28SSD		24/680	28/71	W 24/61	4 + 1 24" x 24"	8	115/60/1 15 amps	1/3	375/170
			31/79	D 29/74					
			78.5/199	H 57.5/146					
DS33SD		27/765	33/84	W 29/74	4 + 1 28" x 24"	8	115/60/1 15 amps	1/3	400/182
			29/74	D 27/69					
			78.5/199	H 57.5/146					
DS52GD DS52SD		43/1220	52/132	W 48/122	8 + 2 24" x 24"	16	115/60/1 20 amps	1/3	600/270
			31/79	D 26/66					
			78.5/199	H 57.5/146					
DT52GD DT52SD		52/1470	52/132	W 48/122	8 + 2 24" x 24"	16	115/60/1 20 amps	1/2	700/318
			31/79	D 26/66					
			78.5/199*	H 69/175					
DS70GD DS70SD		59/1670	70/178	W 66/168	8 + 2 32" x 24"	16	115/60/1 20 amps	1/2	800/364
			31/79	D 26/66					
			78.5/199	H 57.6/146					
DT70GD DT70SD		73/2065	70/178	W 66/168	8 + 2 32" x 24"	16	115/60/1 20 amps	1/2	900/409
			31/79	D 26/66					
			78.5/199*	H 69/175					
DS77GD DS77SD		63/1780	77/196	W 73/186	12 + 3 24" x 24"	24	115/60/1 20 amps	1/2	875/398
			31/79	D 26/66					
			78.5/199	H 57.5/146					
DT77GD DT77SD		79/2235	79/196	W 73/186	12 + 3 24" x 24"	24	115/60/1 20 amps	1/2+	950/432
			31/79	D 26/66					
			78.5/199*	H 69/175					

\*Denotes irreducible cabinet height. Total height with condensing unit in place is 83.75" (213 cm). All models use R-134A as the refrigerant.