



Model DCV

Direct Drive Utility Set



Available with



EC Motor Availability	Size	HP	Max RPM
	090	1/4	1750
	105	1/4	1750
	122	1/5	1750
	135	3/4	1750
	150	1	1160
		2	1750
	165	1	1160
		2	1604
	182	1	1160
3		1508	
200	3	1376	

1/4 HP to 1 HP

- 115V single-phase
- ODP enclosure
- Motor mounted speed control dial as standard
- 0-10VDC control leads as standard
- Available with remote mounted speed control dial

1 HP & 2 HP

- 1 HP - 115V, 208-230V, single-phase
- 2 HP - 208-230V, single-phase
- TEFC enclosure (totally enclosed fan cooled)
- Available with motor mounted speed dial or 0-10VDC control lead

1 HP to 3 HP - Three-Phase

- 230-460V, three-phase
- Open enclosure
- Available with remote mounted speed control dial

The DCV, Class L is a direct drive utility set model that features a flat-bladed backward inclined impeller, lock seam construction for lighter weight and reduced cost. It is utilized in applications requiring high CFM at low and medium pressures. Model DCV Class L is a perfect fit for clean air streams.

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The Model DCV Class L is available with the GridSmart™ Electronically Commutated (EC) motor up to three horsepower applications, a first in the industry.

Performance Overview

- > Backward inclined impeller
- > 10.5" to 20" impeller diameters
- > Airflow to 8,200 CFM
- > Static pressure to 2.5" w.g.



Benefits of GridSmart™ EC Motors

- Up to 3 HP
- Efficiencies up to 87.5%
- Constant efficiency as the motor speed is varied
- Up to 66% energy savings over traditional PSC motors
- Performance range comparable to a belt driven fan with reduced maintenance of a direct drive fan
- 80% usable turndown range as compared with 40% maximum on PSC motors
- Soft start gives fans smooth, quiet start
- Lower operating temperatures result in longer life and reduces energy consumption
- Heavy-duty ball bearings are permanently lubricated

