



# PRODUCT DATA SHEET

Vertical A.C. Motors  
Weather Protected Type I  
Solid Shaft - Snowmaster™



- 125 through 600 horsepower
- 460, 2300 and 4160 volt
- 404VP through 5810 Frame
- Three phase, 60 hertz
- Class F Insulation
- 10,000 Foot Altitude Capability



### Product Overview

U.S. Electrical Motors' long history in producing vertical high thrust motors has lead to the development of a vertical machine that can withstand the rigors of your snowmaking applications - the SNOWMASTER™!

Our Snowmaster Vertical Motor is a Solid Shaft High Thrust "P" Base motor, contained in a Weather Protected Type I enclosure, designed specifically for vertical high thrust snowmaking pumps. We use our proven Insulife® winding treatment designed and treated with multiple cycles of Class F insulation materials to minimize moisture problems during idle periods. Our unique Microflow Oil System provides proper lubrication without oil churning and optimum thrust bearing protection via an oil bath arrangement.

### Additional features of the Snowmaster product include:

- 120 volt space heaters protect the motor winding from condensation during idle periods.
- High efficiency electrical designs which reduce operating power costs.
- Winding RTD's (120 ohm) to provide thermal protection caused by overloads, voltage imbalance, locked rotor and single phasing.
- Service factor of 1.15 that supports momentary overload.
- Corro-Duty® paint for corrosion resistance.
- Redefined balance of 0.0008 inches (peak-to-peak) for smooth operation and extended pump seal life.

### 3600 RPM, 460 VOLTS

HP	Model No.	List Price	Frame	Type	Down Thrust (lbs.)	Approx. Weight (lbs.)	Base Dia. (In.)	Disc. Sym.
125	G571	\$7216	404VP	RVE-4	5500	900	16-1/2	7VM
150	n/a	\$8822	405VP	RV-4	5500	975	16-1/2	7VM
200	n/a	\$12349	444VP	RV-4	7000	1200	16-1/2	7VM
250	G570	\$15463	445VPA	RVE-4	7000	1250	20	7VM
300	G569	\$18216	5007PH	HV-4	7000	2100	20	8VM
350	n/a	\$23115	5007P	HV-4	7000	2500	20	8VM
400	G568	\$26968	5007PH	HV-4	7000	2500	20	8VM
450	n/a	\$28789	5007P	HV-4	7000	2500	20	8VM
500	n/a	\$29953	5809P	HV-4	7000	3600	20	8VM
600	n/a	\$35943	5810P	HV-4	7000	4400	20	8VM

**3600 RPM, 2300 VOLT**

HP	List Price	Frame	Type	Down Thrust (lbs.)	Approx. Weight (lbs.)	Base Dia. (In.)
150	\$14431	5007P	HV-4	7000	1260	20
200	\$17256	5007P	HV-4	7000	2100	20
250	\$20604	5007P	HV-4	7000	2100	20
300	\$23604	5007P	HV-4	7000	2250	20
350	\$26604	5007P	HV-4	7000	2400	20
400	\$29472	5007P	HV-4	7000	2500	20
450	\$32602	5007P	HV-4	7000	2500	20
500	\$35601	5808P	HV-4	7000	3600	24-1/2
600	\$44153	5808P	HV-4	7000	3600	24-1/2

**3600 RPM, 4160**

HP	List Price	Frame	Type	Down Thrust (lbs.)	Approx. Weight (lbs.)	Base Dia. (In.)
150	\$16311	5007P	HV-4	7000	1260	20
200	\$19506	5007P	HV-4	7000	2100	20
250	\$23294	5007P	HV-4	7000	2100	20
300	\$26704	5007P	HV-4	7000	2250	20
350	\$30074	5007P	HV-4	7000	2400	20
400	\$33316	5808P	HV-4	7000	3600	20
450	\$36855	5808P	HV-4	7000	3600	20
500	\$40245	5808P	HV-4	7000	3600	24-1/2
600	\$49412	5808P	HV-4	7000	3600	24-1/2

**Every feature you need for your snowmaking pumps is built right in ---- in the**

