

3400N Series — DC Tubeaxial Fans

- ▶ Electronically Commutated External Rotor Motor
- ▶ Fully Integrated Commutation Electronics
- ▶ Electronic Protection Against Reverse Polarity, Blocking and Overloading
- ▶ Ball Bearing Construction
- ▶ Fiberglass Reinforced PBTP Plastic Housing
- ▶ Fiberglass Reinforced PA Plastic Impeller
- ▶ Mounting from Either Face Using Four 4.3 mm Holes
- ▶ Air Exhaust Over Struts
- ▶ Counterclockwise Rotation Looking at Rotor
- ▶ Electrical Connection Via Two 24 AWG 12.2 Inch (310 mm) Long Leads



92 × 92 × 25 mm (3.62 × 3.62 × 1.00 Inch)

Stock No.	Mfr.'s Type	VDC	Voltage Range	Watts	Noise (dBA)	CFM	Max. Temp. (°C)	EACH		
								1-5	6-14	15-24
600-0191	3412N	12	8-15.0	2.2	32	49.4	70	24.58	23.82	22.73
600-0192	3412NHH	12	8-13.2	3.2	39	60.0	60	26.42	25.04	24.19
600-0193	3412NME	12	8-15.0	1.1	28	42.4	75	21.28	20.59	19.66
600-0194	3414N	24	18-28.0	2.3	32	49.0	70	24.58	23.82	22.73
600-0304	3412N/2HH	12	8-15.0	2.7	39	60.0	70	27.16	25.46	23.97
600-0130	3414NHH	24	18-26.0	3.2	39	60.0	70	23.22	21.27	20.22
600-0195	3414NHM	24	18-28.0	1.8	28	42.0	70	24.58	23.82	22.73
600-0132	3414NH	24	18-26.0	3.0	36	55.3	70	24.84	24.06	22.96

3300 Series — DC Tubeaxial Fans

Counterclockwise rotation viewed from rotor, air output over struts. Electrical connection via two leads, AWG 22, TR 64, 12.2" (310 mm).

- ▶ Totally Encapsulated and Totally Sealed
- ▶ Fan of Fiberglass Reinforced Plastic
- ▶ PBTP Housing
- ▶ PA Impeller
- ▶ Electronically Commutated DC Motor
- ▶ Mass: 6.7 Oz. (190 g)
- ▶ Ball Bearing



92 × 92 × 32 mm (3.62 × 3.62 × 1.26 Inch)

Stock No.	Mfr.'s Type	VDC	Noise (dBA)	CFM	EACH		
					1-5	6-14	15-24
600-3312	3312	12	37	47	28.18	26.55	25.11
600-0116	3312U	12	37	47	75.96	55.70	53.91
600-3314	3314	24	37	47	28.18	26.55	25.11
600-0117	3314U	24	37	47	75.96	55.70	53.91

3200J Series — DC Tubeaxial Fans

Fan of fiberglass reinforced plastic. PBTP housing, PA impeller. Electronically commutated external rotor motor. Clockwise rotation viewed from rotor, air output over struts. Electrical connection via 2 leads AWG 24, TR 64, 12.2 in. (310 mm). Mass: 7.04 oz. (200 g).



92 × 92 × 38 mm (3.62 × 3.62 × 1.50 Inch)

Stock No.	Mfr.'s Type	VDC	Noise (dBA)	CFM	Max. Temp. (°C)	EACH
600-0250	3212J/2N-301	12	51	77	70	57.89

4400F Series — DC Tubeaxial Fans

- ▶ Electronically Commutated External Rotor Motor
- ▶ Fully Integrated Commutation Electronics
- ▶ Electronic Protection Against Reverse Polarity, Blocking and Overloading
- ▶ By PTC-Resistor Partially Impedance Protected
- ▶ Fiberglass Reinforced PBTP Plastic Housing
- ▶ Fiberglass Reinforced PA Plastic Impeller
- ▶ Air Exhaust Over Struts
- ▶ Counterclockwise Rotation Looking at Rotor
- ▶ Mounting from Either Face Using Four 4.3 mm Holes
- ▶ Electrical Connection Via Two 22 AWG, TR 64 Stripped and Tinned Leads
- ▶ UL, CSA, VDE Approvals on Some Models



119 × 119 × 25 mm (4.69 × 4.69 × 1.00 Inch)

Stock No.	Mfr.'s Type	VDC	Voltage Range	Watts	Noise (dBA)	CFM	Max. Temp. (°C)	Bearing Type	Termination	EACH
										1-5
600-0404	4412FGL	12	7-14.0	1.3	26	55.3	75	Sleeve	Leads	30.17
600-0405	4412FGML	12	7-12.6	2.0	32	67.1	75	Sleeve	Leads	30.17
600-0406	4412FML	12	7-12.6	2.0	32	67.1	75	Ball	Leads	33.32
600-0407	4412FGM	12	7-12.6	3.2	38	82.4	75	Sleeve	Leads	30.17
600-0408	4412FM	12	7-12.6	3.2	38	82.4	75	Ball	Leads	33.32
600-0409	4482FM	12	7-12.6	3.2	38	82.4	75	Ball	Terminals	36.27
600-0410	4412FG	12	7-12.6	5.3	43	100.1	60	Sleeve	Leads	35.22
600-0411	4412F	12	7-12.6	5.3	43	100.1	60	Ball	Leads	37.32
600-0412	4414FL	24	18-28	1.0	26	55.3	75	Ball	Leads	37.32
600-0062	4414FM	24	12-28	3.2	38	82.4	75	Ball	Leads	28.25
600-0413	4484FM	24	12-28	3.2	38	82.4	75	Ball	Terminals	36.27
600-0414	4414FG	24	12-28	5.0	43	100.1	75	Sleeve	Leads	30.17
600-0415	4414F	24	12-28	5.0	43	100.1	75	Ball	Leads	37.32
600-0416	4418F	48	43-53	5.5	28	100.1	60	Ball	Leads	41.83

4300V Series — DC Variofan Tubeaxial Fans

These brushless DC fans automatically adjust their speed, depending on measured temperature! The internal circuitry adjusts the fan speed, using an externally connected temperature sensor (LZ370). This means at cooler temperatures, the fan runs at a quieter, lower speed.



- ▶ UL Yellow Card E38324, CSA File 27697, VDE File 3072
- ▶ Electronically Commutated External Rotor Motor
- ▶ Fully Integrated Communication Electronics
- ▶ Protected Against Reverse Polarity, Blocking and Overloading
- ▶ Sintec Bearings
- ▶ Fiberglass Reinforced PBT Plastic Housing
- ▶ Fiberglass Reinforced PA Plastic Impeller
- ▶ Mounting from Either Face Using Four 3.5 mm Holes
- ▶ Air Exhaust Over Struts, Counterclockwise Rotation Looking at Rotor
- ▶ Electrical Connection Via Two 28 AWG TR 64 12.2 in. (310 mm) Long Leads
- ▶ 0.96 Oz. (27.2 g)
- ▶ 70°C Maximum Ambient Temperature Rating
- ▶ 6000 RPM Operation

Temperature Sensor

Stock No.	Mfr.'s Type	EACH
600-0065	LZ370	2.76

119 × 119 × 32 mm (4.69 × 4.69 × 1.26 Inch)

Stock No.	Mfr.'s Type	VDC	CFM		Noise (dBA)		EACH		
			25°C	50°C	25°C	50°C	1-14	15-24	25-49
600-0185	4312MV	12	40.0	82.4	22	39	40.16	38.88	37.11
600-0339	4312V	12	50.0	100.1	29	45	52.58	50.91	48.59

4300 Series — DC Tubeaxial Fans

Clockwise rotation viewed from rotor, air output over struts. Electrical connection via two leads AWG 22, TR 64, 12.2 in. (310 mm).



- ▶ Totally Encapsulated and Totally Sealed
- ▶ Fan of Fiberglass Reinforced Plastic
- ▶ PBTP Housing
- ▶ PA Impeller
- ▶ Electronically Commutated DC Motor
- ▶ Mass: 8 Oz. (227 g)
- ▶ Ball Bearing Construction

119 × 119 × 32 mm (4.69 × 4.69 × 1.36 Inch)

Stock No.	Mfr.'s Type	VDC	Noise (dBA)	CFM	EACH		
					1-5	6-14	15-24
600-4310	4312L	12	30	56	29.09	28.18	26.90
600-4311	4312M	12	39	82	29.09	28.18	26.90
600-0103	4312S	12	45	100	32.94	24.15	23.36
600-4312	4312	12	45	100	29.02	27.34	25.86
600-0118	4312U**	12	45	100	69.70	51.13	49.46
600-0048	4314M	24	39	82	29.09	28.18	26.90
600-4314	4314	24	45	100	29.02	27.34	25.86
600-0119	4314U**	24	45	100	55.96	50.76	48.04
600-0026	4394	24	45	100	39.39	28.89	27.96
600-0027	4314/12*	24	45	100	31.73	30.73	29.33
600-0029	4318	48	45	100	32.33	31.30	29.88

*With tachometer sensor. **IP54.

4400 Series — DC Tubeaxial Fans

- ▶ Electronically Commutated External Rotor Motor
- ▶ Fully Integrated Commutation Electronics
- ▶ Electronic Protection Against Reverse Polarity, Locked Rotor and Overloading
- ▶ Innovative Impeller Design with Winglets
- ▶ Fiberglass Reinforced PBT Plastic Impeller
- ▶ Fiberglass Reinforced PBTP Plastic Housing
- ▶ Ball Bearing Construction
- ▶ Air Exhaust Over Struts
- ▶ Clockwise Rotation Looking at Rotor
- ▶ Electrical Connection Via Two 22 AWG TR 64 12.2 in. (310 mm) Long Leads, Stripped and Tinned
- ▶ UL, CSA, VDE Approvals on Some Models



119 × 119 × 38 mm (4.69 × 4.69 × 1.50 Inch)

Stock No.	Mfr.'s Type	VDC	Voltage Range	Watts	Noise (dBA)	CFM	Max. Temp. (°C)	EACH		
								1-5	6-14	15-24
600-0378	4412L	12	7-14	2.5	37	88.3	70	38.90	35.69	33.98
600-0379	4412M	12	7-14	4.2	42	108.3	70	38.90	35.69	33.98
600-0380	4412N	12	7-14	5.5	46	120.7	70	38.90	35.69	33.98
600-0381	4412H	12	7-14	8.9	49	141.3	70	42.16	38.68	36.81
600-0382	4414L	24	18-28	2.5	37	88.3	70	38.90	35.69	33.98
600-0383	4414M	24	18-28	4.0	42	108.3	70	38.90	35.69	33.98
600-0384	4414N	24	18-28	5.2	46	120.7	70	38.90	35.69	33.98
600-0385	4414H	24	18-28	8.6	49	141.3	70	42.16	38.68	36.81
600-0386	4418L	48	36-60	2.5	37	88.3	70	42.16	38.68	36.81
600-0387	4418M	48	36-60	4.2	42	108.3	70	42.16	38.68	36.81
600-0388	4418N	48	36-60	5.2	46	120.7	70	42.16	38.68	36.81
600-0389	4418H	48	36-60	8.6	49	141.3	70	42.16	38.68	36.81