

# EBM-PAPST Tubeaxial DC Fans



Products may be RoHS compliant. Check mouser.com for RoHS status.

## 4400FN SERIES

### Features:

- 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 plastic
- PBTP housing
- PA impeller
- Air exhaust over struts
- Rotational direction CCW looking at rotor



For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	4414FNN	A	119 x 25	24	117.7	8.5	4850	52	70	Ball	47.00	44.72	42.48	39.68
5912	4412FNH	A	119 x 25	12	132.4	12.0	5400	55	70	Sintec	47.68	45.29	42.31	40.23
5912	4414FNH	A	119 x 25	24	132.4	12.0	5400	55	70	Ball	47.68	45.29	42.31	40.23



## 250 SERIES

### Features:

- Plastic housing and impeller
- Termination: 6.3" leads
- Air exhaust over struts
- Brushless micro-fan

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	255N	B	25 x 8	5	1.9	0.4	9000	15	70	Sintec	21.29	20.64	19.61	18.32
5912	255H	B	25 x 8	5	2.6	0.6	12000	28	55	Sintec	24.28	22.23	21.08	18.80
5912	252N	B	25 x 8	12	1.9	0.5	9000	15	70	Sintec	21.29	20.64	19.61	18.32



## 400F SERIES

### Features:

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

### Recommended Manufacturer's Accessories:

- Metal Finger Guard: LZ29-1

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	405F	B	40 x 10	5	4.7	0.7	5400	22	70	Sintec	14.05	12.87	12.21	10.89
5912	405FH	B	40 x 10	5	5.3	0.7	6000	26	70	Sintec	12.54	11.72	11.34	11.14
5912	412FM	B	40 x 10	12	3.5	0.6	4300	17	70	Sintec	15.01	13.74	13.04	11.63
5912	412F	B	40 x 10	12	4.7	0.7	5400	22	70	Sintec	12.03	11.01	10.45	9.32
5912	412FH	B	40 x 10	12	5.3	0.8	6000	26	70	Sintec	12.25	11.21	10.64	9.49
5912	414F	B	40 x 10	24	4.7	0.8	5400	22	70	Sintec	12.46	11.40	10.82	9.65



## 400 SERIES

### Features:

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

### Recommended Manufacturer's Accessories:

- Metal Finger Guard: LZ29-1

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	405	C	40 x 20	5	5.9	0.9	6000	18	70	Sintec	21.48	19.05	16.53	15.14
5912	412	C	40 x 20	12	5.9	0.9	6000	18	70	Sintec	12.45	11.40	10.82	9.65
5912	412/2	C	40 x 20	12	5.9	0.9	6000	18	70	Sintec	17.57	16.09	15.25	13.60
5912	412H	C	40 x 20	12	8.0	1.6	8100	29	60	Sintec	19.61	17.38	15.09	13.82
5912	414	C	40 x 20	24	5.9	1.0	6000	18	70	Sintec	14.05	12.87	12.21	10.89
5912	414H	C	40 x 20	24	8.0	1.6	8100	29	60	Sintec	25.83	22.92	19.89	18.21



## 400JHH SERIES

### Features:

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

### Recommended Manufacturer's Accessories:

- Metal Finger Guard: LZ29-1

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	412JHH	C	40 x 25	12	14.0	3.3	13000	46	60	Ball	31.59	30.64	29.10	27.19
5912	414JHH	C	40 x 25	24	14.0	3.6	13000	46	60	Ball	35.42	31.59	30.64	29.10



## 500F SERIES

### Features:

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	512F	B	50 x 15	12	12.0	1.0	5000	30	70	Sintec	15.01	13.75	13.04	11.63
5912	514F	B	50 x 15	24	12.0	1.0	5000	30	70	Sintec	15.01	13.75	13.04	11.63



## 600F SERIES

### Features:

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	605F	B	60 x 15	5	17.1	1.1	4000	27	50	Sintec	17.48	15.59	15.12	14.36
5912	612FL	B	60 x 15	12	11.2	0.4	2650	16	70	Sintec	18.70	16.29	15.89	14.50
5912	612F	B	60 x 15	12	17.1	1.1	3900	27	70	Sintec	15.01	13.75	13.04	11.63
5912	614F	B	60 x 15	24	17.1	1.1	3900	27	70	Sintec	16.61	15.21	14.43	12.87



## 600 SERIES

### Features:

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

### Recommended Manufacturer's Accessories:

- Metal Finger Guard: LZ28

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	612NM	B	60 x 25	12	20.0	1.1	4100	28	70	Ball	25.24	24.48	23.25	21.72
5912	612NN	B	60 x 25	12	24.0	1.6	5100	35	70	Ball	25.24	24.48	23.25	21.72
5912	612NHH	B	60 x 25	12	27.0	3.0	6850	41	70	Ball	26.08	23.89	22.65	20.20
5912	614NL	B	60 x 25	24	12.4	0.9	2500	16	70	Ball	43.30	38.42	33.33	30.51
5912	614NGHH	B	60 x 25	24	33.0	3.8	6850	43	70	Sintec	21.29	19.49	18.50	16.50



## 700F SERIES

### Features:

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor
- Fully integrated commutation electronics

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	712F	B	70 x 15	12	25.9	1.7	5300	36	70	Sintec	26.15	24.80	23.56	22.01



## 6300 SERIES - S FORCE FANS

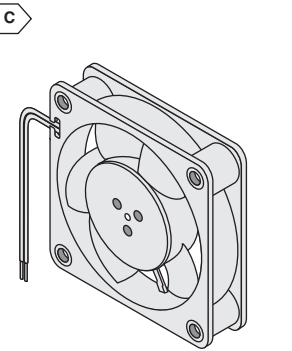
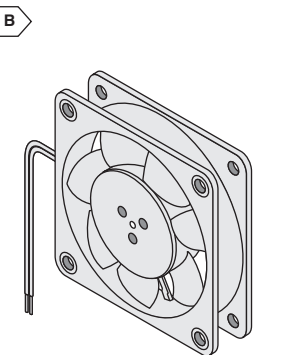
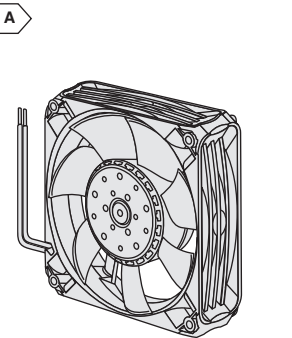
### Specifications:

- Aluminum housing, impeller of fiberglass reinforced plastic PA
- Termination: Electrical connection via 2 flat pins 3 x 0.5mm
- Rotational direction CCW looking at rotor
- Air exhaust over struts
- Mounting Holes: 4.3mm

RoHS Compliant

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
											1	10	25	50
5912	6312/2TDHP	D	172 x 51	12	353.1	41.0	6000	64	70	Ball	197.86	176.47	171.12	162.56
5912	6314/2TDHP	D	172 x 51	24	353.1	41.0	6000	64	70	Ball	190.55	169.95	164.80	156.56
5912	6314/2TDHHP	D	172 x 51	24	417.9	67.0	7000	69	70	Ball	197.86	176.47	171.12	162.56
5912	6318/2TDHHP	D	172 x 51	48	417.9	67.0	7000	69	70	Ball	197.86	176.47	171.12	162.56
5912	6318/2TDH4P	D	172 x 51	48	559.1	150.0	9200	75	65	Ball	242.81	216.56	210.00	199.50
5912	6318/2TDHP	D	172 x 51	48	353.1	41.0	6000	64	70	Ball	190.55	169.95	164.80	156.56



ebm-papst

Fans

