



1238-7

BRUSHLESS DC AXIAL FAN
INTELLIGENT MOTION SERIES

120 x 120 x 38mm (4.72 x 4.72 x 1.50in)

5V, 12V, 24V, 48V

104.46~231.53 CFM (2.96~6.56 m³/min)

Dual Ball Bearings

Frame: Thermoplastic PBT + 30% GF, UL94-V0

Impeller: Thermoplastic PBT + 15% GF, UL94-V0

Lead Wires: UL1007 (+) Red; (-) Black, AWG 24, 240±10mm

Operating Temperature: -10°C ~ +70°C

Operating Life: 70,000 hours

Locked Rotor Protection

UL, CE, RoHS

CONTROL FEATURES

| Model Number | Curve | Voltage (V) | Range (VDC) | Label (A) | Current (A) | Power (W) | Speed (RPM) | Airflow (Q) | | Pressure (P) | | Noise (dBA) | CONTROL FEATURES | |
|------------------|-------|-------------|-------------|-----------|-------------|-----------|-------------|-------------|-----------------------|--------------|----------------------|-------------|------------------|--|
| | | | | | | | | (CFM) | (m ³ /min) | (mmAq) | (inH ₂ O) | | STANDARD | OPTIONAL |
| R1238H05BPLB1b-7 | ③ | 5 | 4~6 | 2.220 | 1.600 | 8.00 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 | 1b: AS IP51 | 2a: FG 2b: RD 2c: RDb 6: CL IP54, IP56, IP67 |
| R1238M05BPLB1b-7 | ② | 5 | 4~6 | 1.610 | 1.300 | 6.50 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 | | |
| R1238L05BPLB1b-7 | ① | 5 | 4~6 | 1.200 | 0.961 | 4.81 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 | | |
| R1238Y12BPLB1b-7 | ⑤ | 12 | 7~14 | 1.770 | 1.267 | 15.20 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 | | |
| R1238X12BPLB1b-7 | ④ | 12 | 7~14 | 1.440 | 0.822 | 9.86 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 | | |
| R1238H12BPLB1b-7 | ③ | 12 | 7~14 | 0.860 | 0.510 | 6.12 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 | | |
| R1238M12BPLB1b-7 | ② | 12 | 7~14 | 0.640 | 0.400 | 4.80 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 | | |
| R1238L12BPLB1b-7 | ① | 12 | 7~14 | 0.410 | 0.300 | 3.60 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 | | |
| R1238Y24BPLB1b-7 | ⑤ | 24 | 15~27 | 0.850 | 0.580 | 13.92 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 | | |
| R1238X24BPLB1b-7 | ④ | 24 | 15~27 | 0.630 | 0.460 | 11.04 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 | | |
| R1238H24BPLB1b-7 | ③ | 24 | 15~27 | 0.370 | 0.300 | 7.20 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 | | |
| R1238M24BPLB1b-7 | ② | 24 | 15~27 | 0.290 | 0.238 | 5.71 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 | | |
| R1238L24BPLB1b-7 | ① | 24 | 15~27 | 0.180 | 0.160 | 3.84 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 | | |
| R1238Y48BPLB1b-7 | ⑤ | 48 | 36~57 | 0.540 | 0.350 | 16.80 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 | | |
| R1238X48BPLB1b-7 | ④ | 48 | 36~57 | 0.300 | 0.220 | 10.56 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 | | |
| R1238H48BPLB1b-7 | ③ | 48 | 36~57 | 0.180 | 0.150 | 7.20 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 | | |
| R1238M48BPLB1b-7 | ② | 48 | 36~57 | 0.140 | 0.110 | 5.28 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 | | |
| R1238L48BPLB1b-7 | ① | 48 | 36~57 | 0.120 | 0.080 | 3.84 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 | | |
| G1238Y12BPLB1b-7 | ⑤ | 12 | 7~14 | 1.770 | 1.150 | 13.80 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 | 1b: AS IP51 | 2a: FG 2b: RD 2c: RDb 6: CL IP54, IP56, IP67 |
| G1238X12BPLB1b-7 | ④ | 12 | 7~14 | 1.440 | 0.750 | 9.00 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 | | |
| G1238H12BPLB1b-7 | ③ | 12 | 7~14 | 0.860 | 0.500 | 6.00 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 | | |
| G1238M12BPLB1b-7 | ② | 12 | 7~14 | 0.640 | 0.380 | 4.56 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 | | |
| G1238L12BPLB1b-7 | ① | 12 | 7~14 | 0.410 | 0.290 | 3.48 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 | | |
| G1238Y24BPLB1b-7 | ⑤ | 24 | 15~27 | 0.850 | 0.500 | 12.00 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 | | |
| G1238X24BPLB1b-7 | ④ | 24 | 15~27 | 0.630 | 0.420 | 10.08 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 | | |
| G1238H24BPLB1b-7 | ③ | 24 | 15~27 | 0.370 | 0.290 | 6.96 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 | | |
| G1238M24BPLB1b-7 | ② | 24 | 15~27 | 0.290 | 0.200 | 4.80 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 | | |
| G1238L24BPLB1b-7 | ① | 24 | 15~27 | 0.180 | 0.150 | 3.60 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 | | |
| G1238Y48BPLB1b-7 | ⑤ | 48 | 36~57 | 0.540 | 0.260 | 12.48 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 | | |
| G1238X48BPLB1b-7 | ④ | 48 | 36~57 | 0.300 | 0.210 | 10.08 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 | | |
| G1238H48BPLB1b-7 | ③ | 48 | 36~57 | 0.180 | 0.135 | 6.48 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 | | |
| G1238M48BPLB1b-7 | ② | 48 | 36~57 | 0.140 | 0.105 | 5.04 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 | | |
| G1238L48BPLB1b-7 | ① | 48 | 36~57 | 0.120 | 0.077 | 3.70 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 | | |

1238-7

BRUSHLESS DC AXIAL FAN
INTELLIGENT MOTION SERIES

120 x 120 x 38mm (4.72 x 4.72 x 1.50in)

5V, 12V, 24V, 48V

104.46~231.53 CFM (2.96~6.56 m³/min)

Dual Ball Bearings

Frame: Thermoplastic PBT + 30% GF, UL94-V0

Impeller: Thermoplastic PBT + 15% GF, UL94-V0

Lead Wires: UL1007 (+) Red; (-) Black, AWG 24, 240±10mm

Operating Temperature: -10°C ~ +70°C

Operating Life: 70,000 hours

Locked Rotor Protection

UL, CE, RoHS

CONTROL FEATURES

| STANDARD | OPTIONAL |
|----------------|---|
| 1b: AS IP51 | 1a: IR 2a: FG 2b: RD 2c: RDb 2d: LD 3a: VPWM 3b: IPWM 3c: PPWM 5a: TPWM 5b: RPWM 6: CL 7: CS IP54, IP56, IP67 |

| Model Number | Curve | Voltage (V) | Range (VDC) | Label (A) | Current (A) | Power (W) | Speed (RPM) | Airflow (Q) (CFM) | Airflow (Q) (m³/min) | Pressure (P) (mmAq) | Pressure (P) (inH₂O) | Noise (dBA) |
|------------------|-------|-------------|-------------|-----------|-------------|-----------|-------------|-------------------|----------------------|---------------------|----------------------|-------------|
| P1238Y12BPLB1b-7 | ⑤ | 12 | 8~14 | 1.770 | 0.970 | 11.64 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 |
| P1238X12BPLB1b-7 | ④ | 12 | 8~14 | 1.440 | 0.730 | 8.76 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 |
| P1238H12BPLB1b-7 | ③ | 12 | 8~14 | 0.860 | 0.500 | 6.00 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 |
| P1238M12BPLB1b-7 | ② | 12 | 8~14 | 0.640 | 0.370 | 4.44 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 |
| P1238L12BPLB1b-7 | ① | 12 | 8~14 | 0.410 | 0.275 | 3.30 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 |
| P1238Y24BPLB1b-7 | ⑤ | 24 | 15~27 | 0.850 | 0.480 | 11.52 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 |
| P1238X24BPLB1b-7 | ④ | 24 | 15~27 | 0.630 | 0.410 | 9.84 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 |
| P1238H24BPLB1b-7 | ③ | 24 | 15~27 | 0.370 | 0.280 | 6.72 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 |
| P1238M24BPLB1b-7 | ② | 24 | 15~27 | 0.290 | 0.195 | 4.68 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 |
| P1238L24BPLB1b-7 | ① | 24 | 15~27 | 0.180 | 0.143 | 3.43 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 |
| P1238Y48BPLB1b-7 | ⑤ | 48 | 36~57 | 0.540 | 0.250 | 12.00 | 4200 | 167.66 | 4.75 | 17.92 | 0.71 | 52.99 |
| P1238X48BPLB1b-7 | ④ | 48 | 36~57 | 0.300 | 0.200 | 9.60 | 3750 | 150.71 | 4.27 | 15.17 | 0.60 | 50.32 |
| P1238H48BPLB1b-7 | ③ | 48 | 36~57 | 0.180 | 0.130 | 6.24 | 3250 | 130.45 | 3.69 | 11.14 | 0.44 | 46.13 |
| P1238M48BPLB1b-7 | ② | 48 | 36~57 | 0.140 | 0.100 | 4.80 | 2900 | 115.24 | 3.26 | 8.81 | 0.35 | 42.96 |
| P1238L48BPLB1b-7 | ① | 48 | 36~57 | 0.120 | 0.072 | 3.46 | 2600 | 104.46 | 2.96 | 7.26 | 0.29 | 39.83 |
| K1238X12BPLB1b-7 | ⑦ | 12 | 8~14 | 2.544 | 2.100 | 25.20 | 5200 | 208.98 | 5.92 | 29.16 | 1.15 | 61.89 |
| K1238H12BPLB1b-7 | ⑥ | 12 | 8~14 | 1.950 | 1.625 | 19.50 | 4700 | 188.64 | 5.34 | 23.30 | 0.92 | 57.78 |
| K1238Y24BPLB1b-7 | ⑧ | 24 | 15~27 | 1.766 | 1.472 | 35.33 | 5800 | 231.53 | 6.56 | 34.17 | 1.35 | 65.02 |
| K1238X24BPLB1b-7 | ⑦ | 24 | 15~27 | 1.207 | 0.960 | 23.04 | 5200 | 208.98 | 5.92 | 29.16 | 1.15 | 61.89 |
| K1238H24BPLB1b-7 | ⑥ | 24 | 15~27 | 0.960 | 0.640 | 15.36 | 4700 | 188.64 | 5.34 | 23.30 | 0.92 | 57.78 |
| K1238Y48BPLB1b-7 | ⑧ | 48 | 36~57 | 0.886 | 0.750 | 36.00 | 5800 | 231.53 | 6.56 | 34.17 | 1.35 | 65.02 |
| K1238X48BPLB1b-7 | ⑦ | 48 | 36~57 | 0.878 | 0.502 | 24.10 | 5200 | 208.98 | 5.92 | 29.16 | 1.15 | 61.89 |
| K1238H48BPLB1b-7 | ⑥ | 48 | 36~57 | 0.509 | 0.400 | 19.20 | 4700 | 188.64 | 5.34 | 23.30 | 0.92 | 57.78 |

