

NIMB DC FANS

Dimensions 40 x 40 x 15

| Model Number | Nominal Voltage | Voltage Range | Power Watts | Current mAmps | Speed RPM | Noise dBA | Pressure mm H ₂ O | Airflow m ³ /HR |
|------------------------|-----------------|------------------|-------------|---------------|-------------|-----------|------------------------------|----------------------------|
| 1606 KL-04W-B30 | 12 | 10.2-13.8 | 0.8 | 57 | 5500 | 28 | 3.8 | 10.2 |
| -B40 | 12 | 10.2-13.8 | 0.9 | 75 | 6500 | 31 | 4.8 | 11.9 |
| -B50 | 12 | 10.2-13.8 | 1.02 | 85 | 7500 | 34 | 6.4 | 13.8 |

Dimensions 60 x 60 x 20 12V DATA - 24V VERSION AVAILABLE

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|-----------------|-----------|---------------|-------------|------------|-------------|-------------|------------|-----------|
| 2408 NL-04W-B10 | 12 | 6-13.8 | 0.6 | 50 | 2600 | 20 | 1.6 | 18 |
| -B20 | 12 | 6-13.8 | 0.84 | 70 | 3000 | 22 | 2.3 | 20 |
| -B30 | 12 | 6-13.8 | 0.96 | 80 | 3400 | 24 | 2.8 | 24 |
| -B40 | 12 | 6-13.8 | 1.08 | 90 | 3800 | 25.5 | 3.4 | 27 |
| -B50 | 12 | 6-13.8 | 1.32 | 100 | 4200 | 27.5 | 4.2 | 30 |

Dimensions 60 x 60 x 25 12V DATA - 24V VERSION AVAILABLE

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|-----------------|-----------|---------------|------------|------------|-------------|-----------|------------|-----------|
| 2410 ML-04W-B10 | 12 | 6-13.8 | 0.9 | 75 | 2950 | 23 | 2.1 | 23 |
| -B20 | 12 | 6-13.8 | 1.44 | 120 | 3600 | 28 | 3.4 | 29 |
| -B30 | 12 | 6-13.8 | 1.44 | 120 | 4000 | 31 | 4.2 | 32 |
| -B40 | 12 | 6-13.8 | 2.04 | 170 | 4550 | 33.5 | 5.6 | 37 |
| -B50 | 12 | 6-13.8 | 2.4 | 200 | 4900 | 35 | 6.4 | 40 |
| -B60 | 12 | 6-13.8 | 3.6 | 300 | 5300 | 36 | 7.4 | 43 |

Dimensions 80 x 80 x 20 12V DATA - 24V VERSION AVAILABLE

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|-----------------|-----------|---------------|-------------|------------|-------------|-----------|------------|-----------|
| 3108 NL-04W-B10 | 12 | 6-13.8 | 1.08 | 90 | 2200 | 24 | 2.1 | 42 |
| -B20 | 12 | 6-13.8 | 1.32 | 110 | 2450 | 27 | 2.6 | 48 |
| -B30 | 12 | 6-13.8 | 1.68 | 140 | 2800 | 31 | 3.4 | 54 |
| -B40 | 12 | 6-13.8 | 2.40 | 200 | 3200 | 35 | 4.5 | 63 |
| -B50 | 12 | 6-13.8 | 3.36 | 280 | 3600 | 39 | 5.1 | 72 |

Dimensions 80 x 80 x 25 12V DATA - 24V VERSION AVAILABLE

| | | | | | | | | |
|-----------------|-----------|---------------|-------------|------------|-------------|-----------|------------|-----------|
| 3110 KL-04W-B10 | 12 | 6-13.8 | 1.20 | 100 | 2200 | 23 | 1.8 | 42 |
| -B20 | 12 | 6-13.8 | 1.44 | 120 | 2400 | 26 | 2.3 | 48 |
| -B30 | 12 | 6-13.8 | 2.04 | 170 | 2700 | 28 | 2.8 | 54 |
| -B40 | 12 | 6-13.8 | 2.52 | 210 | 3000 | 30 | 3.4 | 60 |
| -B50 | 12 | 6-13.8 | 3.00 | 250 | 3250 | 32 | 3.8 | 66 |

- Construction** Venturi UL94V-0 plastic or diecast aluminium
Impeller UL94V-0 plastic
- Connection** 8 hole type standard, 4 hole also available
Via two 300mm lead wires: + Red; - Black
.11" Terminals also available for some models
- Insulation Res.** 10MΩ minimum @ 500VDC
- Dielectric strength** 500VAC for 1 minute
- Insulation** Class A
- Bearings** Shielded Ball Bearings
- Protection** Reverse polarity protected, current shut-down and auto restart after blockage
- Life** At nominal voltage, minimum of 40,000 hrs
- Operating Temp.** -10°C to +60°C

■ Denotes standard models more readily available.

Dimensions 80 x 80 x 38 230V DATA - 115V VERSION AVAILABLE

| Model Number | Nominal Voltage | Freq. Hz | Power Watts | Current mAmps | Speed RPM | Noise dBA | Pressure mm H ₂ O | Airflow m ³ /HR |
|-----------------|-----------------|------------------|-----------------|------------------|----------------------|------------------|------------------------------|----------------------------|
| 3115 PS-23T-B10 | 230 | 50/60 | 6/5 | 55/50 | 1800/2100 | 23/36 | 1.8/2.5 | 30/38 |
| -B20 | 230 | 50/60 | 7/6 | 50/45 | 2200/2500 | 29/34 | 2.8/3.8 | 38/44 |
| B30 | 230 | 50/60 | 10/8 | 70/55 | 2700/3200 | 33/38 | 4.5/6.4 | 45/54 |

Dimensions 80 x 80 x 38 230V DATA - 115V VERSION AVAILABLE

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|-----------------|-----|-------|------|-------|-----------|-------|---------|-------|
| 3115 FS-23T-B30 | 230 | 50/60 | 10/8 | 60/50 | 2750/3200 | 40/44 | 3.1/4.3 | 45/54 |
|-----------------|-----|-------|------|-------|-----------|-------|---------|-------|

Dimensions 92 x 92 x 25 230V DATA - 115V VERSION AVAILABLE

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|-----------------|----------------|------------------|------------------|------------------|----------------------|------------------|--------------------|------------------|
| 3610 PS-23T-B10 | 230 | 50/60 | 7/6 | 50/50 | 1450/1800 | 22/26 | 1.5/2.0 | 27/35 |
| -B20 | 230 | 50/60 | 7/6 | 50/40 | 2100/2500 | 30/35 | 3.0/4.0 | 36/48 |
| B30 | 230 | 50/60 | 13/10 | 90/70 | 2600/3100 | 34/39 | 4.5/6.3 | 48/59 |

Dimensions 120 x 120 x 25 230V DATA - 115V VERSION AVAILABLE

| | | | | | | | | |
|-----------------|----------------|------------------|------------------|-------------------|----------------------|------------------|--------------------|--------------------|
| 4710 PS-23T-B20 | 230 | 50/60 | 8/7 | 60/50 | 1900/2000 | 29/30 | 2.2/2.2 | 84/90 |
| B30 | 230 | 50/60 | 14/11 | 100/90 | 2300/2700 | 34/38 | 4.2/4.2 | 108/120 |

Dimensions 120 x 120 x 38 230V DATA - 115V VERSION AVAILABLE

| | | | | | | | | |
|-----------------|----------------|------------------|------------------|--------------------|----------------------|------------------|--------------------|--------------------|
| 4715 MS-23T-B10 | 230 | 50/60 | 6.5/6 | 50/45 | 1350/1450 | 27/28 | 1.9/1.5 | 78/84 |
| -B20 | 230 | 50/60 | 7.5/7.5 | 60/60 | 2100/1900 | 32/30 | 2.9/3.5 | 120/114 |
| -B30 | 230 | 50/60 | 12/11 | 100/80 | 2400/2600 | 34/37 | 4.8/5.0 | 138/150 |
| -B40 | 230 | 50/60 | 15/13 | 120/100 | 2450/2750 | 35/39 | 5.3/6.4 | 144/162 |
| B50 | 230 | 50/60 | 15/14 | 120/100 | 2600/2900 | 37/41 | 7.5/9.0 | 162/192 |

Dimensions 120 x 120 x 38 230V DATA - 115V VERSION AVAILABLE

| | | | | | | | | |
|----------------------------|----------------|------------------|------------------|------------------|----------------------|------------------|--------------------|--------------------|
| 4715 FS-23T-B50 | 230 | 50/60 | 17/15 | 90/80 | 2800/3300 | 38/45 | 7.7/9.4 | 158/187 |
|----------------------------|----------------|------------------|------------------|------------------|----------------------|------------------|--------------------|--------------------|

Dimensions 170 x 150 x 38 230V DATA - 115V VERSION AVAILABLE

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|----------------------------|----------------|------------------|------------------|--------------------|----------------------|------------------|------------------|--------------------|
| 5915 PC-23T-B30 | 230 | 50/60 | 35/35 | 190/180 | 2700/3200 | 52/56 | 16/22 | 300/360 |
|----------------------------|----------------|------------------|------------------|--------------------|----------------------|------------------|------------------|--------------------|

- Construction** Venturi diecast aluminium
Impeller UL94V-0 plastic
- Connection** Via two 0.11" terminals
Lead wires also available for certain models.
- Insulation Res.** 10MΩ minimum @ 500VDC
- Dielectric strength** 500VAC for 1 minute
- Insulation** Class A
- Bearings** Shielded Ball Bearings
- Protection** Impedance protected
- Life** At nominal voltage, minimum of 50,000 hrs
- Operating Temp.** -40°C to +70°C

REMARKS The performance data for AC fans determined in accordance with JIS-B8330.

FS models have air intake over struts;
MS, PS and PC types have air exhaust over struts.

 Denotes standard models more readily available.

Dimensions 92 x 92 x 25 12V DATA - 24V VERSION AVAILABLE

| Model Number | Nominal Voltage | Voltage Range | Power Watts | Current mAmps | Speed RPM | Noise dBA | Pressure mm H ₂ O | Airflow m ³ /HR |
|-----------------|-----------------|---------------|-------------|---------------|-------------|-----------|------------------------------|----------------------------|
| 3610 ML-04W-B10 | 12 | 6-13.8 | 0.72 | 60 | 1600 | 21 | 1.4 | 54 |
| -B20 | 12 | 6-13.8 | 1.08 | 90 | 2000 | 26 | 2.1 | 60 |
| -B30 | 12 | 6-13.8 | 1.80 | 150 | 2350 | 31 | 2.8 | 72 |
| -B40 | 12 | 6-13.8 | 2.52 | 210 | 2700 | 35.5 | 3.7 | 84 |
| -B50 | 12 | 6-13.8 | 3.96 | 330 | 3100 | 39 | 4.9 | 96 |

Dimensions 120 x 120 x 25 12V DATA - 24V VERSION AVAILABLE

| | | | | | | | | |
|-----------------|-----------|---------------|-------------|------------|-------------|-----------|------------|------------|
| 4710 NL-04W-B10 | 12 | 6-13.8 | 1.44 | 120 | 1400 | 25 | 1.7 | 85 |
| -B20 | 12 | 6-13.8 | 1.80 | 150 | 1600 | 29 | 2.3 | 102 |
| -B30 | 12 | 6-13.8 | 2.88 | 240 | 1900 | 34 | 3.1 | 120 |
| -B40 | 12 | 6-13.8 | 4.08 | 340 | 2150 | 36 | 3.7 | 136 |
| -B50 | 12 | 6-13.8 | 6.34 | 570 | 2400 | 39 | 5.0 | 153 |

Dimensions 120 x 120 x 38 12V DATA - 24V VERSION AVAILABLE

| | | | | | | | | |
|-----------------|-----------|---------------|------------|------------|-------------|-----------|------------|------------|
| 4715 ML-04W-B10 | 12 | 6-13.8 | 3.6 | 300 | 2150 | 35 | 4.2 | 136 |
| -B20 | 12 | 6-13.8 | 5.3 | 440 | 2400 | 38 | 5.4 | 150 |
| -B30 | 12 | 6-13.8 | 6.0 | 500 | 2700 | 41 | 6.4 | 170 |
| -B40 | 12 | 6-13.8 | 8.7 | 730 | 3000 | 44 | 7.9 | 187 |

Dimensions 170 x 150 x 50 24V DATA - 12V AND 48V VERSION AVAILABLE

| | | | | | | | | |
|-----------------|----|-------|------|-----|------|------|------|-----|
| 5920 PL-05W-B10 | 24 | 12-28 | 9.1 | 380 | 2400 | 45.0 | 8.4 | 289 |
| -B20 | 24 | 12-28 | 11.5 | 480 | 2700 | 47.5 | 10.4 | 323 |
| -B30 | 24 | 12-28 | 15.1 | 630 | 3000 | 51.0 | 12.4 | 357 |
| -B40 | 24 | 12-28 | 17.5 | 730 | 3220 | 54.0 | 14.5 | 391 |

Dimensions ø172 x 50 24V DATA - 12V AND 48V VERSION AVAILABLE

| | | | | | | | | |
|-----------------|----|-------|------|-----|------|------|------|-----|
| 6820 PL-05W-B10 | 24 | 12-28 | 9.1 | 380 | 2400 | 42.0 | 8.4 | 289 |
| -B20 | 24 | 12-28 | 11.5 | 480 | 2700 | 45.0 | 10.4 | 323 |
| -B30 | 24 | 12-28 | 15.1 | 630 | 3000 | 49.0 | 12.4 | 357 |
| -B40 | 24 | 12-28 | 17.5 | 730 | 3220 | 52.0 | 14.5 | 391 |

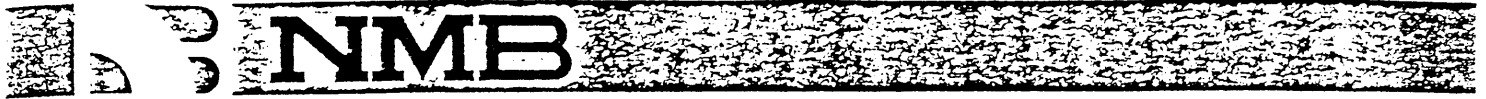
REMARKS

Approvals

We are constantly adding to our list of approved components. At this time, all of the fans in this catalogue are UL and CSA approved components. Please contact NMB for details.
UL E89936; CSA 65829-19

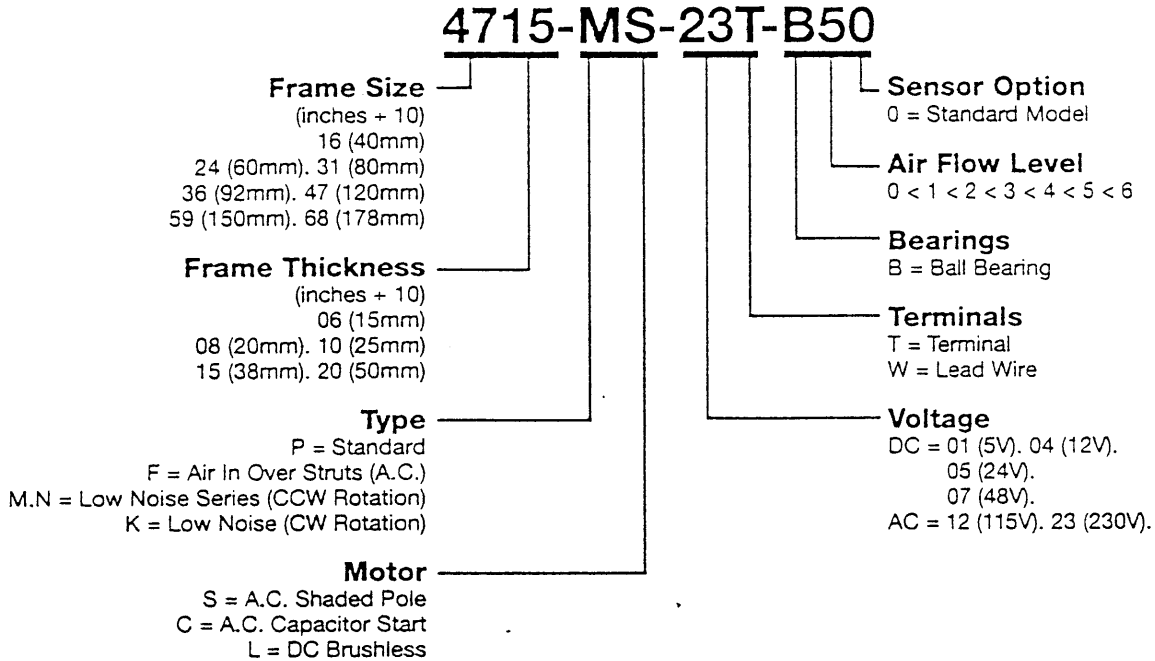
All noise measurements are made at a distance of 1 metre from the intake side of the fan and are carried out in an anechoic test room.

Variations of the standard models may be ordered. This includes variable speed, two speed, and alarm output type fans.



PART NUMBERING SYSTEM

This chart is a guide when ordering fans.
Contact NMB for assistance.



NMB's well known range of axial cooling fans are marketed through the NMB Sales Organisations and its Authorised Distributors in all the main European countries. The current range has been developed from the well known Boxer and Flowmax brands; these registered trademarks are still the property of NMB and the Minebea Group. NMB is the world's largest producer of this type of fan motor with a wide range of AC and DC fans and a selection of air flow levels to suit all possible applications. We also make special fans to specific customer designs where volumes justify.

One of the key features of the NMB fan is the use of ball bearings and these too are a product of NMB. (Indeed NMB is the Number One volume producer of ball bearings in the world, manufacturing nearly 1 billion bearings per year). These fans are designed and constructed with the greatest care and attention to the design and choice of materials and electronic components. They offer reliable performance; long life and incorporate a number of safety features; good engineering has secured the best combination of airflow and low noise performance.

With our number one position in the global markets for these fans and using world class manufacturing facilities in Thailand, we are confident that NMB offers the very best combination of value for money, reliability and quality. Our customers include most of the world's best known manufacturers of office and computer equipment.