



# ***MTD Series***

## **MIXED FLOW IN-LINE DUCT FAN**



# Mixed Flow In-Line Duct Fan – MTD Series

**KRUGER**

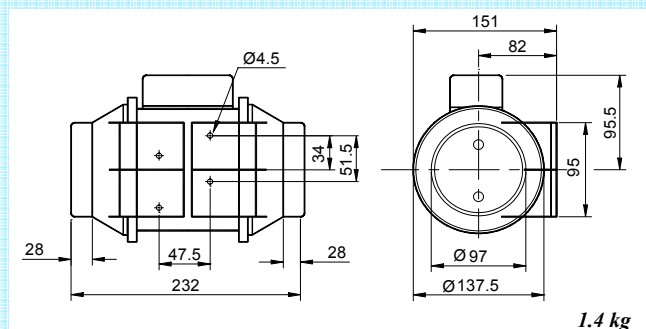
- Specifically designed for direct connection with industrial circular ducting of standard diameter.
- Incorporate a powerful motor which is factory matched to a mixed flow impeller.
- Delivers high airflow performance with minimum noise generation and high static pressure typically found in ducted ventilation systems.
- Model 200 and below are manufactured in tough reinforced plastic, while models 250 & 315 in steel casing. All models are finished in tough epoxy-polyester paint coating.
- Impeller blades of model 200 & below are moulded in tough ABS plastic, models 250 & 315 are constructed from pressed galvanised sheet steel.
- Easy installation and maintenance - support brackets allow the motor and impeller assembly to be fitted or removed without dismantling the adjacent ducting.
- Fitted with direct connection two speed motors as standard with thermal overload protection. All motors are suitable for speed control regulation using electronic or auto-transformer.
- Max. operating temperature +40 °C.



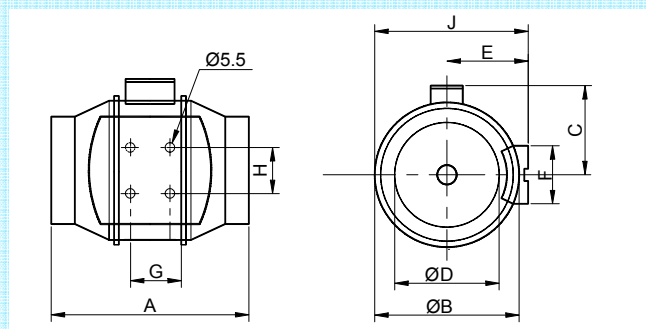
Kruger Ventilation Industries Asia Co., Ltd certifies that the **MTD series** shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA publication 211 and AMCA publication 311 and comply with the requirements of the AMCA Certified Ratings Program. Models MTD 100/2-6 and MTD 125-6 are not licensed by AMCA international

## Dimension

### MTD 100/1

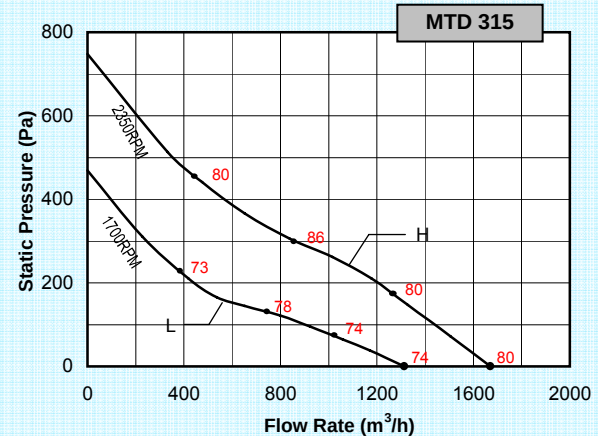
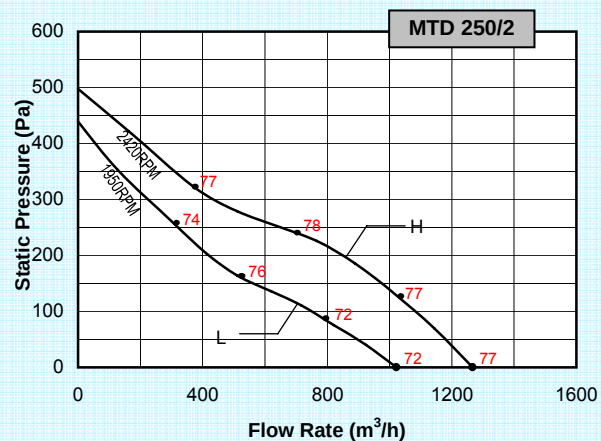
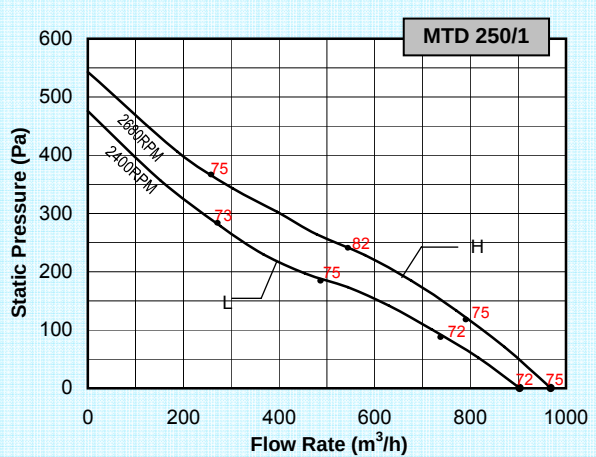
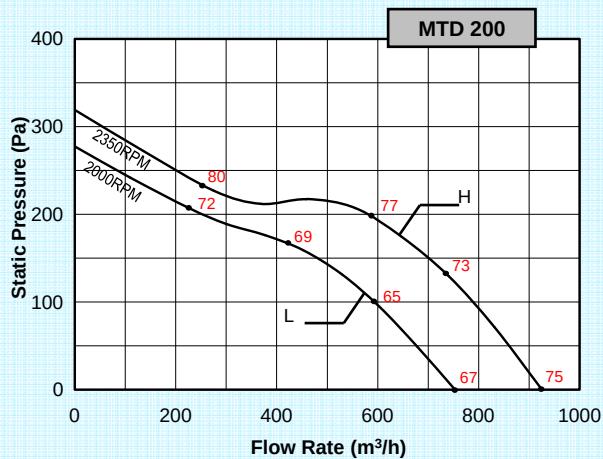
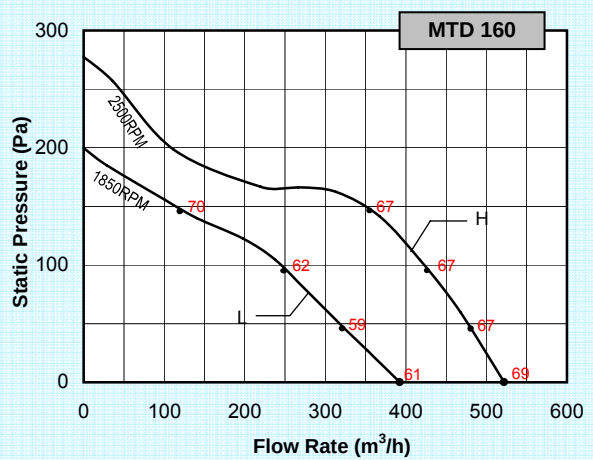
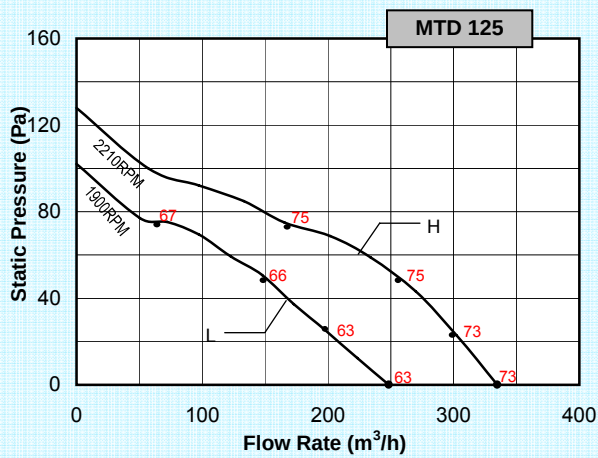
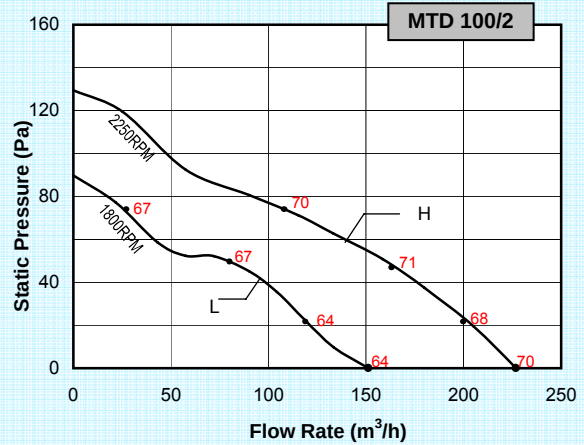
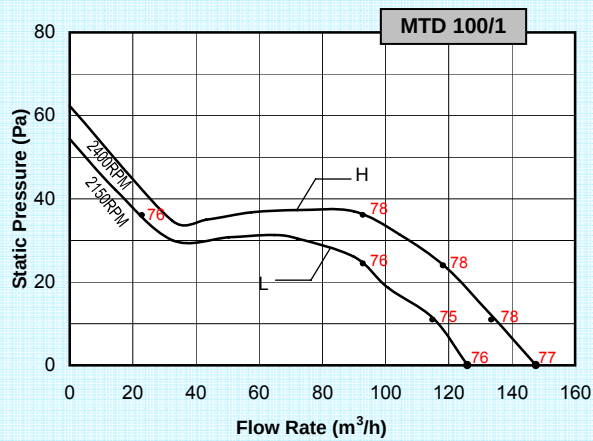


### MTD 100/2 - 315

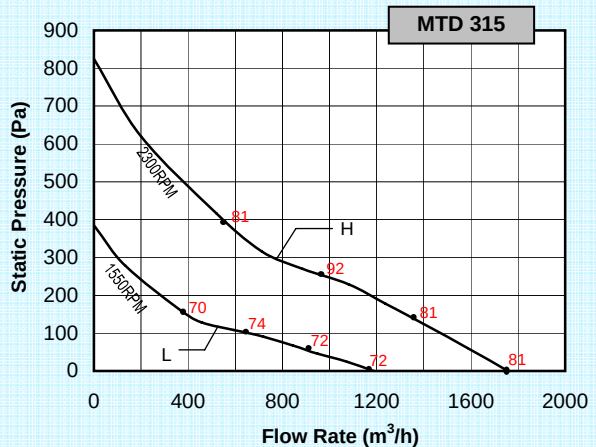
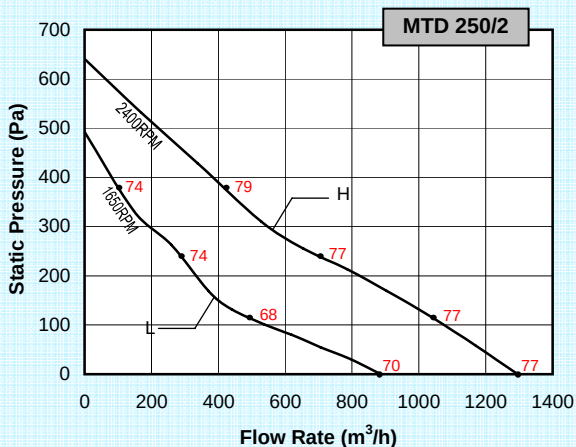
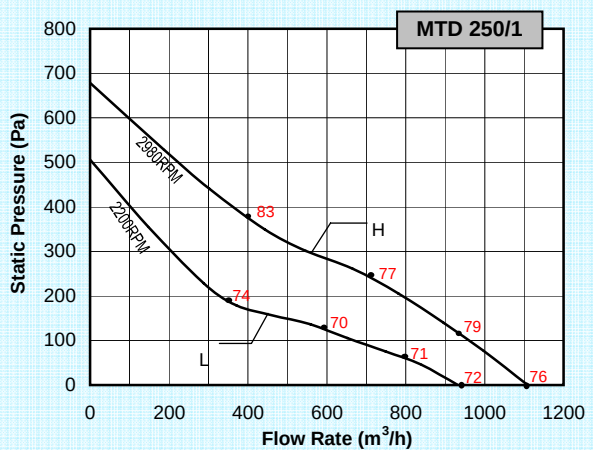
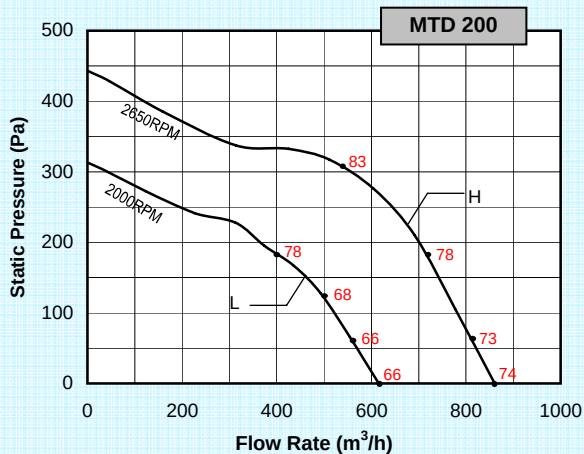
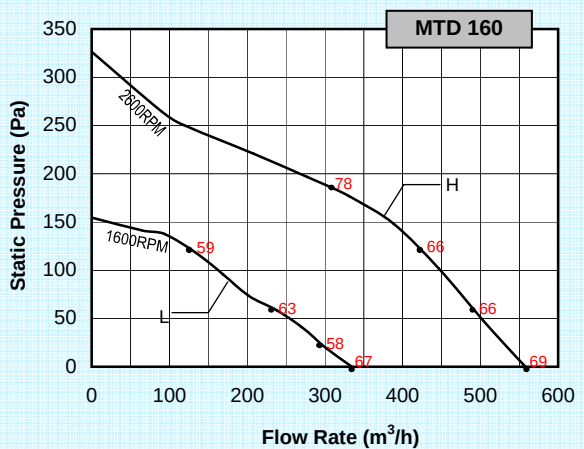
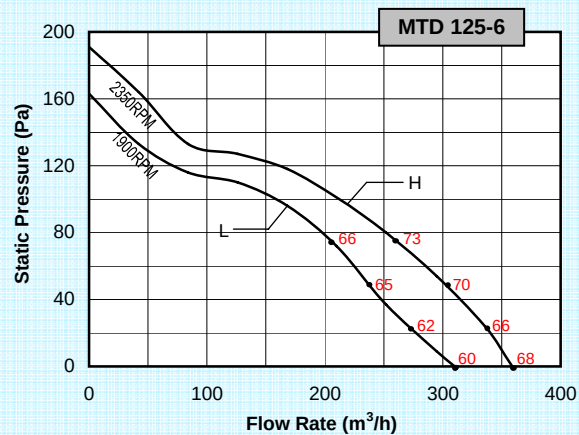
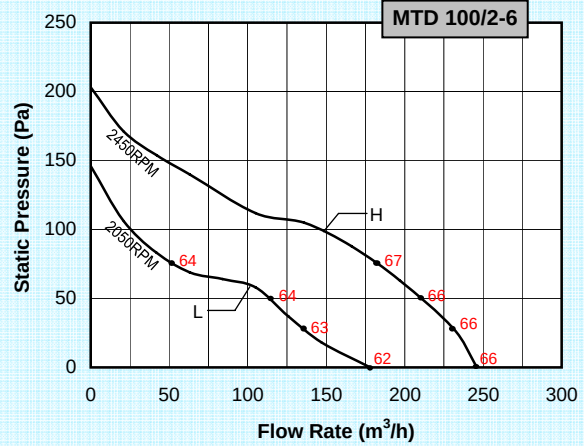
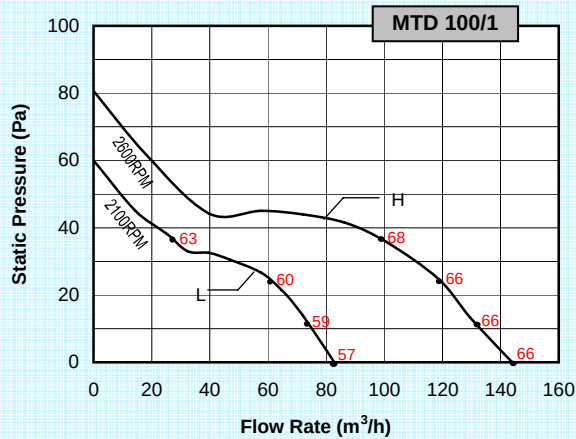


| Model       | A   | ØB  | C   | ØD  | E   | F   | G   | H   | J     | kg   |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|
| MTD 100/2   | 303 | 176 | 115 | 97  | 100 | 90  | 80  | 60  | 188   | 2.0  |
| MTD 100/2-6 | 303 | 176 | 115 | 97  | 100 | 90  | 80  | 60  | 188   | 2.0  |
| MTD 125     | 258 | 176 | 115 | 123 | 100 | 90  | 80  | 60  | 188   | 2.0  |
| MTD 125-6   | 258 | 176 | 115 | 123 | 100 | 90  | 80  | 60  | 188   | 2.0  |
| MTD 160     | 295 | 200 | 127 | 157 | 112 | 130 | 80  | 60  | 212   | 4.9  |
| MTD 200     | 302 | 217 | 141 | 198 | 124 | 140 | 100 | 94  | 232.5 | 4.9  |
| MTD 250     | 386 | 272 | 192 | 248 | 155 | 168 | 145 | 140 | 291   | 9.4  |
| MTD 315     | 450 | 336 | 224 | 312 | 188 | 210 | 182 | 178 | 356   | 14.0 |

All dimensions in mm.



- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings do not include the effects of appurtenances (accessories).
- Values shown are fan inlet Lw(A) sound power level for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct and correction.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.



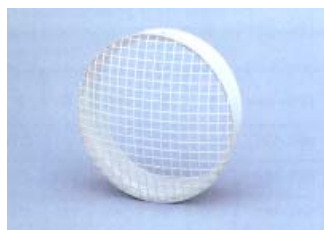
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- MTD 100/2-6 and MTD 125-6 are not licensed by AMCA.



| Technical Data |                            |            |                     |       |            |    |             |                     |                 |             |
|----------------|----------------------------|------------|---------------------|-------|------------|----|-------------|---------------------|-----------------|-------------|
| Model          | Max Q<br>m <sup>3</sup> /h | Power<br>W | Motor<br>Protection | Phase | N°<br>Pole | Hz | Max<br>Amp  | Insulation<br>Class | dB (A)<br>at 3m | RPM         |
| MTD 100/1      | 148 / 125                  | 33 / 20    | IP44                | 1     | 2          | 50 | 0.25 / 0.15 | B                   | 58 / 56         | 2400 / 2150 |
|                | 145 / 85                   | 31 / 21    | IP44                | 1     | 2          | 60 | 0.18 / 0.13 | B                   | 45 / 37         | 2600 / 2100 |
| MTD 100/2      | 225 / 150                  | 44 / 27    | IP44                | 1     | 2          | 50 | 0.26 / 0.18 | B                   | 50 / 44         | 2250 / 1800 |
| MTD 100/2-6    | 250 / 185                  | 55 / 37    | IP44                | 1     | 2          | 60 | 0.26 / 0.18 | B                   | 46 / 42         | 2450 / 2050 |
| MTD 125        | 335 / 250                  | 49 / 33    | IP44                | 1     | 2          | 50 | 0.37 / 0.26 | B                   | 52 / 42         | 2210 / 1900 |
| MTD 125-6      | 360 / 300                  | 55 / 39    | IP44                | 1     | 2          | 60 | 0.37 / 0.26 | B                   | 51 / 40         | 2350 / 1900 |
| MTD 160        | 520 / 390                  | 55 / 48    | IP44                | 1     | 2          | 50 | 0.30 / 0.22 | B                   | 48 / 41         | 2500 / 1850 |
|                | 558 / 335                  | 68 / 52    | IP44                | 1     | 2          | 60 | 0.31 / 0.23 | B                   | 49 / 38         | 2600 / 1600 |
| MTD 200        | 840 / 690                  | 116 / 107  | IP44                | 1     | 2          | 50 | 0.55 / 0.41 | B                   | 55 / 48         | 2350 / 2000 |
|                | 860 / 615                  | 170 / 109  | IP44                | 1     | 2          | 60 | 0.68 / 0.51 | B                   | 54 / 46         | 2650 / 2000 |
| MTD 250/1      | 970 / 905                  | 130 / 101  | IP44                | 1     | 2          | 50 | 0.65 / 0.39 | B                   | 54 / 51         | 2680 / 2400 |
|                | 1110 / 932                 | 180 / 135  | IP44                | 1     | 2          | 60 | 0.65 / 0.39 | B                   | 56 / 52         | 2980 / 2200 |
| MTD 250/2      | 1270 / 1020                | 192 / 141  | IP44                | 1     | 2          | 50 | 0.72 / 0.48 | B                   | 57 / 52         | 2420 / 1950 |
|                | 1295 / 885                 | 257 / 162  | IP44                | 1     | 2          | 60 | 1.00 / 0.67 | B                   | 57 / 50         | 2400 / 1650 |
| MTD 315        | 1670 / 1315                | 283 / 175  | IP44                | 1     | 2          | 50 | 1.30 / 0.90 | B                   | 59 / 53         | 2350 / 1700 |
|                | 1757 / 1188                | 352 / 186  | IP44                | 1     | 2          | 60 | 1.50 / 1.00 | B                   | 60 / 52         | 2300 / 1550 |

- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings do not include the effects of appurtenances (accessories).
- dB(A) at 3m with ducted inlet and outlet at free field conditions. dB(A) is not licensed by AMCA International.
- MTD 100/2-6 and MTD 125-6 are not licensed by AMCA.

## Accessories



### Grilles

Mounted at the inlet or outlet of the fan, the grille prevents the entry of any foreign objects.



### Rectangular Duct Adapters

The adapter enables the MTD fan to be connected to rectangular ducting



### Back-Draft Shutter

Mounted at the outlet of the MTD fan, the shutter prevents the air re-circulating when the fan is not in use.

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Certified dimension can be provided upon request.