

- Inline duct fan
- Circular
- Monophase motor
- EC-motor
- 230V



Circular duct fans type ETAMASTER

- Very compact mixed flow duct fan with high efficiency

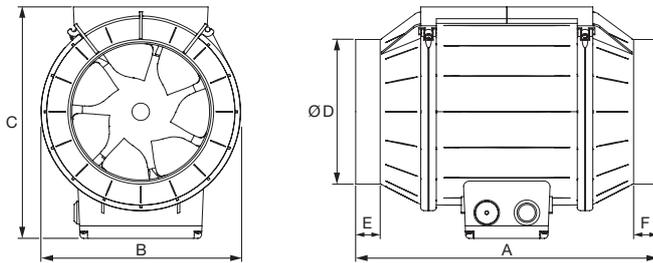
Application

- They are to be installed directly into the duct system. The appealing design is especially suitable for visible installation. The compact design and the reduced weight contribute decisively to an easy installation

Composition

- Corrosion and weather resistant plastic housing in basalt gray colour (RAL7012)
- Motor is 230V~, 50Hz, 1ph, with 3 speed levels
- Impeller: diagonal fan with three-dimensionally curved impeller blades and three-dimensional guiding vanes. This results in the highest aerodynamic efficiency. The impeller is balanced in two planes (G6.3 DIN ISO 1940)
- Protection class: IP00
- Insulation class F
- A built-in thermostatic switch protects the motor from overload

| | Technical data | | | | |
|----------------|------------------------------|-----------------------|-------------------------------------|---|--------------------------|
| | Max. current consumption [A] | Power consumption [W] | Static pressure max. efficiency [%] | Max. efficiency of total increase in pressure [%] | Working temperature [°C] |
| EM 150L E2M 01 | 0.3 | 46 | 31 | 37 | 60 |
| EM 160 E2M 01 | 0.3 | 45 | 34 | 38 | 60 |
| EM 200 E2M 01 | 0.6 | 117 | 41 | 46 | 60 |
| EM 250 E2M 01 | 0.8 | 160 | 52 | 54 | 60 |
| EM 315 E2M 01 | 2.1 | 436 | 53 | 56 | 55 |
| EM 400 E4M 01 | 1.0 | 211 | 47 | 51 | 60 |



| | Dimensions | | | | | | |
|----------------|------------|--------|--------|--------|--------|--------|------|
| | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | [kg] |
| EM 150L E2M 01 | 309 | 204 | 239 | Ø149 | 25 | 25 | 2.4 |
| EM 160 E2M 01 | 289 | 204 | 239 | Ø159 | 25 | 25 | 2.5 |
| EM 200 E2M 01 | 325 | 246 | 280 | Ø199 | 25 | 25 | 4.0 |
| EM 250 E2M 01 | 215 | 264 | 299 | Ø249 | 25 | 25 | 5.4 |
| EM 315 E2M 01 | 264 | 325 | 361 | Ø314 | 30 | 30 | 12.4 |
| EM 400 E2M 01 | 350 | 410 | 452 | Ø399 | 49 | 49 | 15.7 |

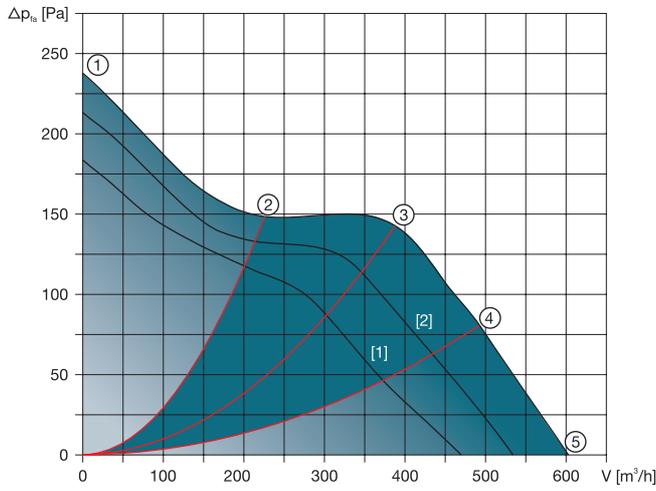
| | Operating data | | | | | | | | | | | | | | |
|--------------------------|----------------|------|------|------|------|---------------|------|------|------|------|---------------|------|------|------|------|
| | EM 150L E2M 01 | | | | | EM 160 E2M 01 | | | | | EM 200 E2M 01 | | | | |
| | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| I [A] | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 | 0.4 | 0.5 | 0.6 | 0.5 |
| P ₁ [W] | 40 | 39 | 45 | 46 | 44 | 42 | 40 | 44 | 45 | 43 | 94 | 88 | 108 | 117 | 108 |
| n [1/min] | 2802 | 2815 | 2740 | 2737 | 2768 | 2788 | 2802 | 2739 | 2738 | 2774 | 2820 | 2849 | 2740 | 2707 | 2757 |
| L _{WA5} [dB(A)] | 66 | 68 | 69 | 69 | 70 | 67 | 67 | 66 | 67 | 68 | 72 | 70 | 72 | 72 | 73 |
| L _{WA6} [dB(A)] | 66 | 67 | 67 | 68 | 71 | 67 | 67 | 66 | 67 | 69 | 74 | 73 | 74 | 74 | 75 |
| L _{WA2} [dB(A)] | 56 | 56 | 57 | 57 | 58 | 54 | 58 | 57 | 56 | 56 | 60 | 59 | 59 | 58 | 58 |
| | EM 250 E2M 01 | | | | | EM 315 E2M 01 | | | | | EM 400 E2M 01 | | | | |
| | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| I [A] | 0.6 | 0.6 | 0.7 | 0.7 | 0.6 | 1.6 | 1.5 | 1.9 | 1.9 | 1.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 |
| P ₁ [W] | 122 | 115 | 155 | 155 | 136 | 344 | 322 | 421 | 428 | 382 | 177 | 173 | 208 | 205 | 188 |
| n [1/min] | 2880 | 2885 | 2815 | 2818 | 2852 | 2838 | 2852 | 2778 | 2775 | 2813 | 1436 | 1437 | 1414 | 1416 | 1426 |
| L _{WA5} [dB(A)] | 76 | 74 | 75 | 73 | 75 | 83 | 81 | 82 | 80 | 81 | 74 | 70 | 71 | 70 | 72 |
| L _{WA6} [dB(A)] | 80 | 79 | 79 | 77 | 80 | 87 | 85 | 84 | 83 | 85 | 78 | 74 | 75 | 73 | 75 |
| L _{WA2} [dB(A)] | 65 | 66 | 67 | 65 | 65 | 69 | 69 | 68 | 66 | 67 | 59 | 57 | 57 | 53 | 54 |

Notes

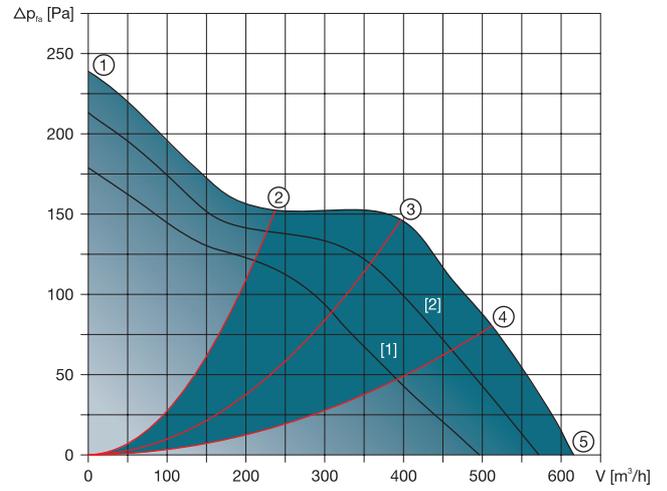
- I - Current
- P₁ - Power
- n - Speed

Pressure loss diagram

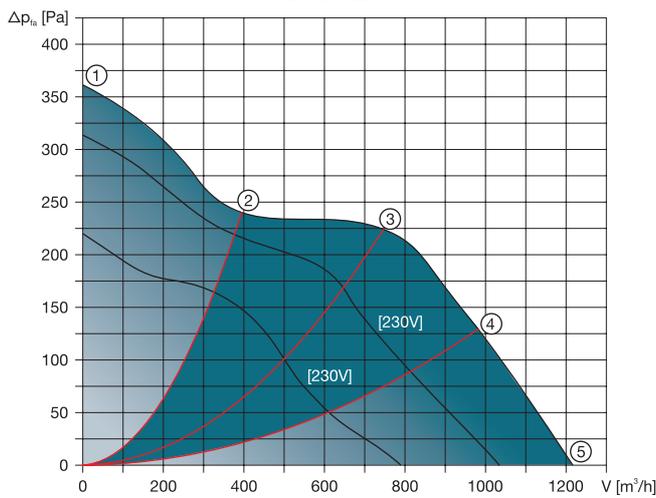
EM 150L E2M 01



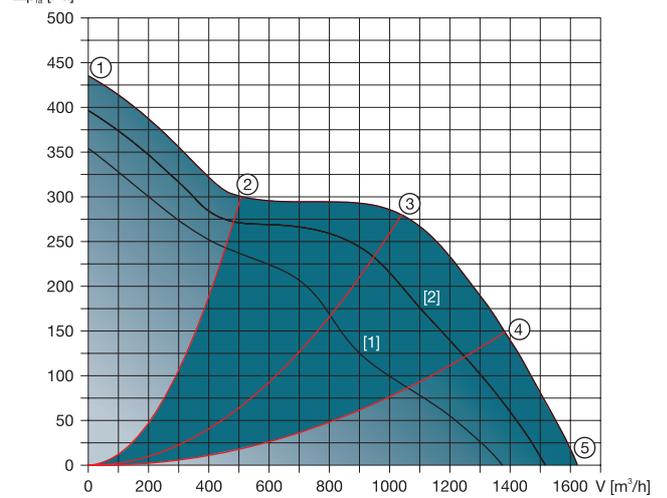
EM 160 E2M 01



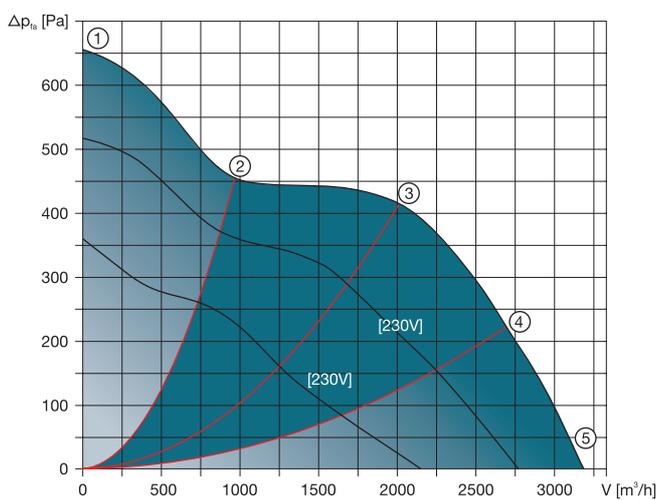
EM 200 E2M 01



EM 250 E2M 01



EM 315 E2M 01



EM 400 E4M 01

