

# CFI

**CFI: Centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller**



## Fan:

- Steel sheet casing
- Impeller with forward-facing blades made from galvanised sheet steel
- Model CFI 38-2M casing made from cast aluminium

## Motor:

- Motors with IE-2 efficiency, except for motors with lower powers than 0.75 kW and single-phase motors.
- Class F motors with ball bearings, IP55 protection, except single-phase models which have IP54 protection. Model CFI-38 IP21 protection
- Single-phase 230V.-50Hz. and three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20°C.+120°C., maximum +100°C. model CFI-38

## Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

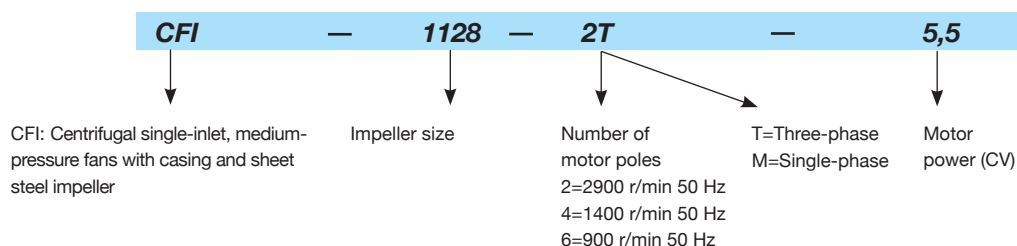
## On request:

- Special windings for different voltages
- Fan designed to transport air up to 250°C
- Stainless steel fans
- ATEX Certification, category 2 (see CFI/ATEX series)



*Dynamically balanced wheels with robust centres*

## Order code



## Technical characteristics

| Model       | Speed<br>(r/min) | Maximum admissible current (A) |      |      | Installed power (kW) | Maximum airflow (m³/h) | Sound pressure level dB(A) | Approx. weight (Kg) |
|-------------|------------------|--------------------------------|------|------|----------------------|------------------------|----------------------------|---------------------|
|             |                  | 230V                           | 400V | 690V |                      |                        |                            |                     |
| CFI-38-2M/E | 2650             | 0.50                           |      |      | 0.01                 | 135                    | 50                         | 2.0                 |
| CFI-38-2M   | 2600             | 0.50                           |      |      | 0.01                 | 160                    | 50                         | 2.0                 |
| CFI-512-2T  | 2670             | 0.64                           | 0.37 |      | 0.09                 | 380                    | 62                         | 4.0                 |
| CFI-512-2M  | 2760             | 0.79                           |      |      | 0.09                 | 380                    | 62                         | 4.0                 |
| CFI-512-4T  | 1320             | 0.55                           | 0.32 |      | 0.06                 | 255                    | 55                         | 3.5                 |
| CFI-512-4M  | 1360             | 0.59                           |      |      | 0.06                 | 255                    | 55                         | 3.5                 |
| CFI-514-2T  | 2750             | 1.21                           | 0.70 |      | 0.18                 | 700                    | 65                         | 5.0                 |
| CFI-514-2M  | 2780             | 1.42                           |      |      | 0.18                 | 700                    | 65                         | 5.0                 |
| CFI-514-4T  | 1320             | 0.65                           | 0.38 |      | 0.09                 | 565                    | 58                         | 4.5                 |
| CFI-514-4M  | 1370             | 0.83                           |      |      | 0.09                 | 565                    | 58                         | 4.5                 |
| CFI-616-2T  | 2760             | 2.57                           | 1.49 |      | 0.55                 | 1380                   | 69                         | 8.0                 |
| CFI-616-2M  | 2810             | 3.49                           |      |      | 0.55                 | 1380                   | 69                         | 9.5                 |
| CFI-616-4T  | 1320             | 0.96                           | 0.56 |      | 0.12                 | 850                    | 61                         | 7.5                 |
| CFI-616-4M  | 1380             | 1.03                           |      |      | 0.12                 | 850                    | 61                         | 7.5                 |
| CFI-620-2T  | 2710             | 1.92                           | 1.11 |      | 0.37                 | 765                    | 68                         | 9.5                 |
| CFI-620-2M  | 2780             | 2.53                           |      |      | 0.37                 | 765                    | 68                         | 10.0                |
| CFI-620-4T  | 1320             | 0.96                           | 0.56 |      | 0.12                 | 810                    | 61                         | 7.5                 |
| CFI-620-4M  | 1380             | 1.03                           |      |      | 0.12                 | 810                    | 61                         | 7.5                 |
| CFI-718-2T  | 2770             | 2.78                           | 1.60 |      | 0.75                 | 1485                   | 70                         | 12.5                |



## Technical characteristics

| Model           | Speed<br>(r/min) | Maximum admissible<br>current (A) |       |       | Installed<br>power<br>(kW) | Maximum<br>airflow<br>(m³/h) | Sound pressure<br>level<br>dB(A) | Approx.<br>weight<br>(Kg) |
|-----------------|------------------|-----------------------------------|-------|-------|----------------------------|------------------------------|----------------------------------|---------------------------|
|                 |                  | 230V                              | 400V  | 690V  |                            |                              |                                  |                           |
| CFI-718-2M      | 2810             | 4.50                              |       |       | 0.75                       | 1485                         | 70                               | 12.8                      |
| CFI-718-4T      | 1350             | 1.66                              | 0.96  |       | 0.25                       | 1280                         | 63                               | 9.5                       |
| CFI-718-4M      | 1370             | 2.00                              |       |       | 0.25                       | 1280                         | 63                               | 9.5                       |
| CFI-820-2T      | 2860             | 4.20                              | 2.40  |       | 1.10                       | 1950                         | 73                               | 15.0                      |
| CFI-820-2M      | 2820             | 6.51                              |       |       | 1.10                       | 1950                         | 73                               | 16.0                      |
| CFI-820-4T      | 1350             | 1.66                              | 0.96  |       | 0.25                       | 1670                         | 66                               | 10.0                      |
| CFI-820-4M      | 1370             | 2.00                              |       |       | 0.25                       | 1670                         | 66                               | 10.0                      |
| CFI-922-2T-1.5  | 2860             | 4.20                              | 2.40  |       | 1.10                       | 1650                         | 70                               | 20.0                      |
| CFI-922-2T-2    | 2770             | 5.44                              | 3.13  |       | 1.50                       | 2010                         | 71                               | 23.0                      |
| CFI-922-2T-3    | 2885             | 7.77                              | 4.47  |       | 2.20                       | 2600                         | 74                               | 25.5                      |
| CFI-922-4T      | 1380             | 2.92                              | 1.69  |       | 0.55                       | 2450                         | 66                               | 19.0                      |
| CFI-1025-2T-3   | 2885             | 7.77                              | 4.47  |       | 2.20                       | 2100                         | 73                               | 28.5                      |
| CFI-1025-2T-4   | 2900             | 10.18                             | 5.88  |       | 3.00                       | 2830                         | 77                               | 37.6                      |
| CFI-1025-4T     | 1400             | 4.03                              | 2.32  |       | 1.10                       | 3400                         | 70                               | 38.5                      |
| CFI-1128-2T-4   | 2900             | 10.18                             | 5.88  |       | 3.00                       | 2220                         | 77                               | 41.5                      |
| CFI-1128-2T-5.5 | 2870             | 13.60                             | 7.82  |       | 4.00                       | 3210                         | 81                               | 47.0                      |
| CFI-1128-4T     | 1445             | 8.36                              | 4.83  |       | 2.20                       | 5000                         | 74                               | 39.0                      |
| CFI-1128-6T     | 945              | 3.90                              | 2.20  |       | 0.75                       | 3300                         | 60                               | 28.5                      |
| CFI-1231-4T-3   | 1445             | 8.36                              | 4.83  |       | 2.20                       | 4740                         | 73                               | 47.0                      |
| CFI-1231-4T-4   | 1445             | 10.96                             | 6.33  |       | 3.00                       | 5910                         | 75                               | 49.0                      |
| CFI-1231-4T-5.5 | 1440             | 14.10                             | 8.12  |       | 4.00                       | 6850                         | 77                               | 56.0                      |
| CFI-1231-6T     | 955              | 6.42                              | 3.71  |       | 1.50                       | 5115                         | 64                               | 49.0                      |
| CFI-1435-4T-4   | 1445             | 10.96                             | 6.33  |       | 3.00                       | 5395                         | 76                               | 53.0                      |
| CFI-1435-4T-5.5 | 1440             | 14.10                             | 8.12  |       | 4.00                       | 6575                         | 78                               | 61.5                      |
| CFI-1435-4T-7.5 | 1460             |                                   | 10.60 | 6.10  | 5.50                       | 7940                         | 80                               | 75.5                      |
| CFI-1435-6T     | 955              | 9.30                              | 5.30  |       | 2.20                       | 6400                         | 66                               | 58.5                      |
| CFI-1640-4T-5.5 | 1440             | 14.10                             | 8.12  |       | 4.00                       | 7000                         | 77                               | 78.5                      |
| CFI-1640-4T-7.5 | 1460             |                                   | 10.60 | 6.10  | 5.50                       | 8035                         | 80                               | 92.5                      |
| CFI-1640-4T-10  | 1455             |                                   | 14.20 | 8.20  | 7.50                       | 9710                         | 82                               | 103.5                     |
| CFI-1640-6T     | 955              | 9.30                              | 5.30  |       | 2.20                       | 8100                         | 71                               | 75.5                      |
| CFI-1845-4T-7.5 | 1460             |                                   | 10.60 | 6.10  | 5.50                       | 8000                         | 82                               | 93.5                      |
| CFI-1845-4T-10  | 1455             |                                   | 14.20 | 8.20  | 7.50                       | 10000                        | 85                               | 104.5                     |
| CFI-1845-6T     | 955              | 9.30                              | 5.30  |       | 2.20                       | 7500                         | 77                               | 84.0                      |
| CFI-2050-4T-10  | 1455             |                                   | 14.20 | 8.20  | 7.50                       | 9000                         | 83                               | 134.0                     |
| CFI-2050-4T-15  | 1460             |                                   | 20.20 | 11.60 | 11.00                      | 12525                        | 87                               | 153.0                     |
| CFI-2050-4T-20  | 1460             |                                   | 27.50 | 15.90 | 15.00                      | 16500                        | 89                               | 172.0                     |
| CFI-2050-6T     | 960              | 16.50                             | 9.46  |       | 4.00                       | 11000                        | 79                               | 146.0                     |
| CFI-2563-6T     | 965              |                                   | 31.00 | 18.00 | 15.00                      | 21000                        | 86                               | 251.0                     |

## Erp. BEP (best efficiency point) characteristics

| Model       | MC | EC | VSD | SR   | ηe[%] | N    | (kW)  | (m³/h) | (mmH₂O) | (RPM) |
|-------------|----|----|-----|------|-------|------|-------|--------|---------|-------|
| CFI-38-2M/E | -  | -  | -   | -    | -     | -    | 0.057 | 77     | 12.05   | 2600  |
| CFI-38-2M   | -  | -  | -   | -    | -     | -    | 0.058 | 101    | 11.15   | 2537  |
| CFI-512-4T  | -  | -  | -   | -    | -     | -    | 0.058 | 156    | 8.03    | 1401  |
| CFI-512-4M  | -  | -  | -   | -    | -     | -    | 0.076 | 155    | 8.08    | 1397  |
| CFI-514-2T  | A  | S  | NO  | 1.01 | 34.1% | 45.1 | 0.185 | 399    | 57.91   | 2833  |
| CFI-514-2M  | A  | S  | NO  | 1.01 | 29.0% | 39.4 | 0.226 | 428    | 56.34   | 2834  |
| CFI-514-4T  | -  | -  | -   | -    | -     | -    | 0.085 | 326    | 11.33   | 1405  |
| CFI-514-4M  | -  | -  | -   | -    | -     | -    | 0.072 | 328    | 11.28   | 1441  |
| CFI-616-2T  | A  | S  | NO  | 1.01 | 36.8% | 46.0 | 0.344 | 639    | 72.61   | 2893  |
| CFI-616-2M  | A  | S  | NO  | 1.01 | 30.3% | 38.7 | 0.478 | 825    | 64.57   | 2884  |
| CFI-616-4T  | -  | -  | -   | -    | -     | -    | 0.096 | 485    | 15.35   | 1410  |
| CFI-616-4M  | -  | -  | -   | -    | -     | -    | 0.101 | 490    | 15.26   | 1433  |
| CFI-620-2T  | A  | S  | NO  | 1.01 | 38.0% | 46.1 | 0.525 | 699    | 104.72  | 2732  |
| CFI-620-2M  | A  | S  | NO  | 1.01 | 36.2% | 44.0 | 0.578 | 765    | 100.23  | 2770  |

## Erp. BEP (best efficiency point) characteristics

| Model           | MC | EC | VSD | SR   | $\eta_e[\%]$ | N    | (kW)   | (m³/h) | (mmH₂O) | (RPM) |
|-----------------|----|----|-----|------|--------------|------|--------|--------|---------|-------|
| CFI-620-4T      | -  | -  | -   | -    | -            | -    | 0.115  | 369    | 24.13   | 1393  |
| CFI-620-4M      | -  | -  | -   | -    | -            | -    | 0.123  | 407    | 22.75   | 1419  |
| CFI-718-2T      | A  | S  | NO  | 1.01 | 38.4%        | 46.1 | 0.601  | 909    | 93.17   | 2856  |
| CFI-718-2M      | A  | S  | NO  | 1.01 | 33.5%        | 40.7 | 0.742  | 1006   | 90.76   | 2861  |
| CFI-718-4T      | -  | -  | -   | -    | -            | -    | 0.124  | 622    | 23.27   | 1455  |
| CFI-718-4M      | A  | S  | NO  | 1.00 | 27.2%        | 38.5 | 0.160  | 722    | 22.08   | 1452  |
| CFI-820-2T      | A  | S  | NO  | 1.01 | 47.0%        | 54.4 | 0.674  | 935    | 124.36  | 2932  |
| CFI-820-2M      | A  | S  | NO  | 1.01 | 39.9%        | 46.2 | 1.028  | 1317   | 114.37  | 2874  |
| CFI-820-4T      | A  | S  | NO  | 1.00 | 35.2%        | 46.5 | 0.165  | 721    | 29.53   | 1441  |
| CFI-820-4M      | A  | S  | NO  | 1.00 | 30.0%        | 40.6 | 0.217  | 841    | 28.40   | 1435  |
| CFI-922-2T-1.5  | A  | S  | NO  | 1.01 | 45.9%        | 51.5 | 1.352  | 1652   | 138.04  | 2863  |
| CFI-922-2T-2    | A  | S  | NO  | 1.02 | 43.1%        | 48.2 | 1.585  | 1736   | 144.34  | 2803  |
| CFI-922-2T-3    | A  | S  | NO  | 1.02 | 41.6%        | 46.3 | 1.828  | 1915   | 145.68  | 2920  |
| CFI-922-4T      | A  | S  | NO  | 1.00 | 36.4%        | 46.0 | 0.307  | 1187   | 34.59   | 1437  |
| CFI-1025-2T-3   | A  | S  | NO  | 1.02 | 42.2%        | 46.3 | 2.302  | 1923   | 185.64  | 2899  |
| CFI-1025-2T-4   | A  | S  | NO  | 1.02 | 43.2%        | 46.3 | 3.251  | 2717   | 189.89  | 2908  |
| CFI-1025-4T     | A  | S  | NO  | 1.01 | 38.9%        | 47.1 | 0.506  | 1501   | 48.06   | 1462  |
| CFI-1128-2T-4   | A  | S  | NO  | 1.02 | 43.0%        | 46.3 | 2.990  | 2216   | 212.96  | 2916  |
| CFI-1128-2T-5.5 | A  | S  | NO  | 1.02 | 44.1%        | 46.4 | 4.359  | 3095   | 227.92  | 2878  |
| CFI-1128-4T     | A  | S  | NO  | 1.01 | 40.5%        | 46.8 | 1.002  | 2303   | 64.68   | 1479  |
| CFI-1128-6T     | A  | S  | NO  | 1.00 | 36.8%        | 46.0 | 0.348  | 1622   | 28.94   | 981   |
| CFI-1231-4T-3   | A  | S  | NO  | 1.01 | 41.7%        | 46.9 | 1.482  | 2927   | 77.43   | 1469  |
| CFI-1231-4T-4   | A  | S  | NO  | 1.01 | 41.2%        | 46.2 | 1.613  | 3143   | 77.62   | 1475  |
| CFI-1231-4T-5.5 | A  | S  | NO  | 1.01 | 41.3%        | 46.2 | 1.653  | 3120   | 80.29   | 1478  |
| CFI-1231-6T     | A  | S  | NO  | 1.00 | 38.3%        | 46.1 | 0.579  | 2332   | 34.85   | 986   |
| CFI-1435-4T-4   | A  | S  | NO  | 1.01 | 42.4%        | 46.3 | 2.428  | 3916   | 96.46   | 1462  |
| CFI-1435-4T-5.5 | A  | S  | NO  | 1.01 | 42.4%        | 46.3 | 2.425  | 3865   | 97.59   | 1468  |
| CFI-1435-4T-7.5 | A  | S  | NO  | 1.01 | 42.5%        | 46.3 | 2.492  | 3904   | 99.52   | 1476  |
| CFI-1435-6T     | A  | S  | NO  | 1.01 | 39.6%        | 46.2 | 0.906  | 3441   | 38.22   | 985   |
| CFI-1640-4T-5.5 | A  | S  | NO  | 1.01 | 55.4%        | 58.7 | 3.000  | 4685   | 130.10  | 1461  |
| CFI-1640-4T-7.5 | A  | S  | NO  | 1.01 | 48.0%        | 50.6 | 3.899  | 5080   | 135.33  | 1463  |
| CFI-1640-4T-10  | A  | S  | NO  | 1.02 | 43.1%        | 45.2 | 4.596  | 5382   | 135.00  | 1476  |
| CFI-1640-6T     | A  | S  | NO  | 1.01 | 43.9%        | 49.5 | 1.300  | 3946   | 53.00   | 978   |
| CFI-1845-4T-7.5 | A  | S  | NO  | 1.02 | 57.0%        | 58.3 | 6.385  | 7900   | 169.13  | 1439  |
| CFI-1845-4T-10  | A  | S  | NO  | 1.02 | 56.7%        | 57.6 | 7.387  | 8599   | 178.87  | 1461  |
| CFI-1845-6T     | A  | S  | NO  | 1.01 | 47.0%        | 51.3 | 2.070  | 5546   | 64.33   | 965   |
| CFI-2050-4T-10  | A  | S  | NO  | 1.02 | 54.9%        | 55.4 | 8.393  | 8977   | 188.36  | 1455  |
| CFI-2050-4T-15  | A  | S  | NO  | 1.02 | 55.7%        | 56.0 | 9.285  | 9695   | 195.91  | 1470  |
| CFI-2050-4T-20  | B  | T  | NO  | 1.03 | 69.8%        | 69.5 | 16.819 | 16500  | 261.08  | 1459  |
| CFI-2050-6T     | A  | S  | NO  | 1.01 | 36.5%        | 39.0 | 3.988  | 6929   | 77.00   | 966   |
| CFI-2563-6T     | B  | T  | NO  | 1.02 | 59.3%        | 59.0 | 16.629 | 21000  | 172.41  | 967   |

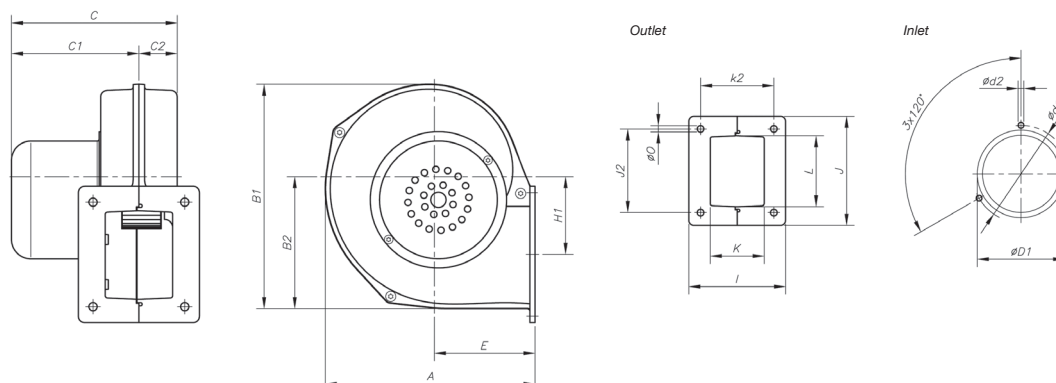
## Acoustic features

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

| Model      | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model      | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|------------|----|-----|-----|-----|------|------|------|------|------------|----|-----|-----|-----|------|------|------|------|
| 38         | 25 | 35  | 46  | 53  | 57   | 54   | 52   | 45   | 1128-6     | 35 | 45  | 56  | 63  | 67   | 64   | 62   | 55   |
| 512-2      | 37 | 47  | 58  | 65  | 69   | 66   | 64   | 57   | 1231-4-3   | 51 | 60  | 71  | 78  | 82   | 80   | 78   | 71   |
| 512-4      | 30 | 40  | 51  | 58  | 62   | 59   | 57   | 50   | 1231-4-4   | 53 | 62  | 73  | 80  | 84   | 82   | 80   | 73   |
| 514-2      | 40 | 50  | 61  | 68  | 72   | 69   | 67   | 60   | 1231-4-5.5 | 55 | 64  | 75  | 82  | 86   | 84   | 82   | 75   |
| 514-4      | 33 | 43  | 54  | 61  | 65   | 62   | 60   | 53   | 1231-6     | 42 | 51  | 62  | 69  | 73   | 71   | 69   | 62   |
| 616-2      | 44 | 54  | 65  | 72  | 76   | 73   | 71   | 64   | 1435-4-4   | 54 | 63  | 74  | 81  | 85   | 83   | 81   | 74   |
| 616-4      | 36 | 46  | 57  | 64  | 68   | 65   | 63   | 56   | 1435-4-5.5 | 56 | 65  | 76  | 83  | 87   | 85   | 83   | 76   |
| 620-2      | 43 | 53  | 64  | 71  | 75   | 72   | 70   | 63   | 1435-4-7.5 | 58 | 67  | 78  | 85  | 89   | 87   | 85   | 78   |
| 620-4      | 36 | 46  | 57  | 64  | 68   | 65   | 63   | 56   | 1435-6     | 44 | 53  | 64  | 71  | 75   | 73   | 71   | 64   |
| 718-2      | 45 | 55  | 66  | 73  | 77   | 74   | 72   | 65   | 1640-4-5.5 | 55 | 64  | 75  | 82  | 86   | 84   | 82   | 75   |
| 718-4      | 38 | 48  | 59  | 66  | 70   | 67   | 65   | 58   | 1640-4-7.5 | 58 | 67  | 78  | 85  | 89   | 87   | 85   | 78   |
| 820-2      | 48 | 58  | 69  | 76  | 80   | 77   | 75   | 68   | 1640-4-10  | 60 | 69  | 80  | 87  | 91   | 89   | 87   | 80   |
| 820-4      | 41 | 51  | 62  | 69  | 73   | 70   | 68   | 61   | 1640-6     | 49 | 58  | 69  | 76  | 80   | 78   | 76   | 69   |
| 922-2-1,5  | 45 | 55  | 66  | 73  | 77   | 74   | 72   | 65   | 1845-4-7.5 | 61 | 71  | 82  | 89  | 93   | 91   | 89   | 81   |
| 922-2-2    | 46 | 56  | 67  | 74  | 78   | 75   | 73   | 66   | 1845-4-10  | 64 | 74  | 85  | 92  | 96   | 94   | 92   | 84   |
| 922-2-3    | 49 | 59  | 70  | 77  | 81   | 78   | 76   | 69   | 1845-6     | 56 | 66  | 77  | 84  | 88   | 86   | 84   | 76   |
| 922-4      | 41 | 51  | 62  | 69  | 73   | 70   | 68   | 61   | 2050-4-10  | 62 | 72  | 83  | 90  | 94   | 92   | 90   | 82   |
| 1025-2-3   | 48 | 58  | 69  | 76  | 80   | 77   | 75   | 68   | 2050-4-15  | 66 | 76  | 87  | 94  | 98   | 96   | 94   | 86   |
| 1025-2-4   | 52 | 62  | 73  | 80  | 84   | 81   | 79   | 72   | 2050-4-20  | 68 | 78  | 89  | 96  | 100  | 98   | 96   | 88   |
| 1025-4     | 45 | 55  | 66  | 73  | 77   | 74   | 72   | 65   | 2050-6     | 58 | 68  | 79  | 86  | 90   | 88   | 86   | 78   |
| 1128-2-4   | 52 | 62  | 73  | 80  | 84   | 81   | 79   | 72   | 2563-6     | 67 | 77  | 88  | 95  | 99   | 96   | 94   | 87   |
| 1128-2-5.5 | 56 | 66  | 77  | 84  | 88   | 85   | 83   | 76   |            |    |     |     |     |      |      |      |      |
| 1128-4     | 49 | 59  | 70  | 77  | 81   | 78   | 76   | 69   |            |    |     |     |     |      |      |      |      |

## Dimensions in mm

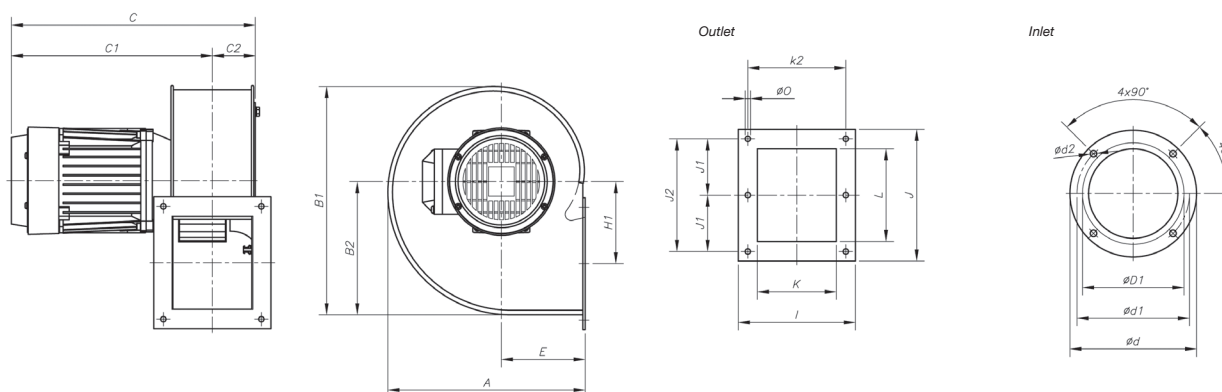
### CFI-38



| Model       | A     | B1    | B2    | C   | C1 | C2 | ØD1* | Ød1 | Ød2 | E  | H1   | I   | J   | J2 | K  | k2 | L  | ØO  |
|-------------|-------|-------|-------|-----|----|----|------|-----|-----|----|------|-----|-----|----|----|----|----|-----|
| CFI-38-2M/E | 141   | 165   | 97    | 122 | 96 | 26 | 80   | 85  | 2.4 | 60 | 60.5 | 100 | 80  | 46 | 50 | 77 | 52 | 8   |
| CFI-38-2M   | 164.5 | 176.5 | 103.5 | 130 | 99 | 31 | 80   | 85  | M4  | 79 | 64   | 95  | 107 | 82 | 53 | 72 | 67 | 6.5 |

\* Recommended nominal diameter for duct.

### CFI-512...820

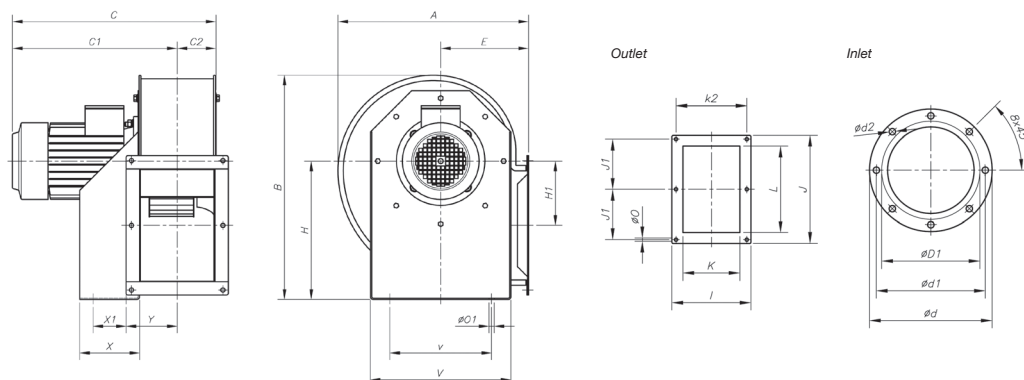


| Model      | A     | B1    | B2    | C     | C1  | C2   | ØD1* | Ød  | Ød1   | Ød2 | E     | H1    | I   | J   | J1   | J2    | K   | k2  | L   | ØO  |
|------------|-------|-------|-------|-------|-----|------|------|-----|-------|-----|-------|-------|-----|-----|------|-------|-----|-----|-----|-----|
| CFI-512-2T | 185   | 206.5 | 118   | 251   | 212 | 39   | 112  | 140 | 132   | M4  | 82.5  | 69    | 104 | 117 | -    | 104.5 | 75  | 92  | 86  | 5.5 |
| CFI-512-4T | 185   | 206.5 | 118   | 249   | 210 | 39   | 112  | 140 | 132   | M4  | 82.5  | 69    | 104 | 117 | -    | 104.5 | 75  | 92  | 86  | 5.5 |
| CFI-514-2T | 225   | 254   | 150   | 281   | 236 | 45   | 140  | 169 | 151.5 | M4  | 100   | 91    | 122 | 147 | 64   | 128   | 83  | 105 | 107 | 6.5 |
| CFI-514-4T | 225   | 254   | 150   | 261   | 216 | 45   | 140  | 169 | 151.5 | M4  | 100   | 91    | 122 | 147 | 64   | 128   | 83  | 105 | 107 | 6.5 |
| CFI-616-2T | 258   | 297   | 173.5 | 320   | 264 | 56   | 160  | 204 | 180   | M6  | 110   | 105.5 | 153 | 172 | -    | 147   | 103 | 128 | 125 | 7   |
| CFI-616-4T | 258   | 297   | 173.5 | 283   | 227 | 56   | 160  | 204 | 180   | M6  | 110   | 105.5 | 153 | 172 | -    | 147   | 103 | 128 | 125 | 7   |
| CFI-620-2T | 298   | 347   | 202.5 | 321   | 265 | 56   | 200  | 247 | 230   | M6  | 126   | 145.5 | 159 | 153 | -    | 128   | 105 | 134 | 100 | 8   |
| CFI-620-4T | 298   | 347   | 202.5 | 283   | 227 | 56   | 200  | 247 | 230   | M6  | 126   | 145.5 | 159 | 153 | -    | 128   | 105 | 134 | 100 | 8   |
| CFI-718-2T | 303.5 | 348   | 201   | 355   | 294 | 61   | 180  | 238 | 210   | M6  | 129.5 | 122   | 169 | 192 | 85   | 170   | 115 | 145 | 146 | 9   |
| CFI-718-2M | 303.5 | 348   | 201   | 355   | 245 | 61   | 180  | 238 | 210   | M6  | 129.5 | 122   | 169 | 192 | 85   | 170   | 115 | 145 | 146 | 9   |
| CFI-718-4T | 303.5 | 348   | 201   | 331   | 270 | 61   | 180  | 238 | 210   | M6  | 129.5 | 122   | 169 | 192 | 85   | 170   | 115 | 145 | 146 | 9   |
| CFI-718-4M | 303.5 | 348   | 201   | 331   | 270 | 61   | 180  | 238 | 210   | M6  | 129.5 | 122   | 169 | 192 | 85   | 170   | 115 | 145 | 146 | 9   |
| CFI-820-2T | 322   | 377   | 223   | 369.5 | 301 | 68.5 | 200  | 247 | 230   | M6  | 137.5 | 137   | 184 | 213 | 94.5 | 189   | 160 | 160 | 156 | 9   |
| CFI-820-2M | 322   | 377   | 223   | 369.5 | 301 | 68.5 | 200  | 247 | 230   | M6  | 137.5 | 137   | 184 | 213 | 94.5 | 189   | 160 | 160 | 156 | 9   |
| CFI-820-4T | 322   | 377   | 223   | 345.5 | 277 | 68.5 | 200  | 247 | 230   | M6  | 137.5 | 137   | 184 | 213 | 94.5 | 189   | 160 | 160 | 156 | 9   |
| CFI-820-4M | 322   | 377   | 223   | 345.5 | 277 | 68.5 | 200  | 247 | 230   | M6  | 137.5 | 137   | 184 | 213 | 94.5 | 189   | 160 | 160 | 156 | 9   |

\* Recommended nominal diameter for duct.

## Dimensions in mm

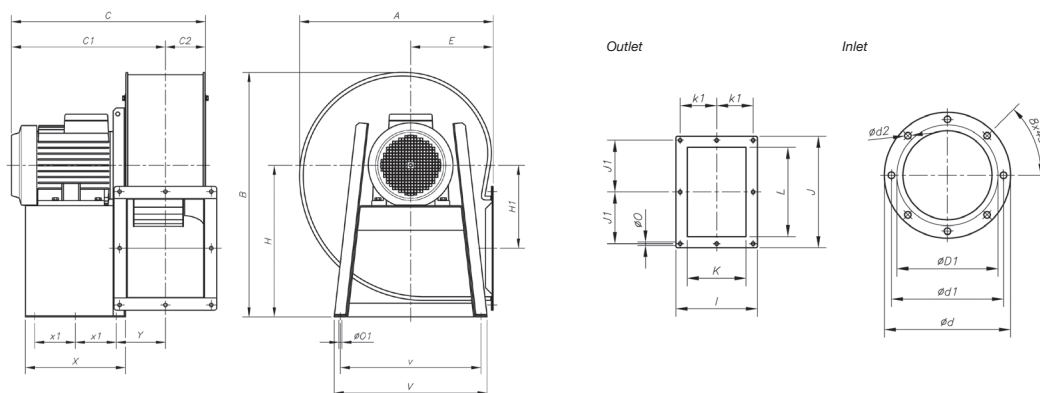
### CFI-922...1231



| Model           | A     | B   | C     | C1  | C2    | øD1* | ød  | ød1 | ød2 | E   | H   | H1    | I   | J     | J1  | K   | k2  | L     | øO   | øO1  | V   | v   | X   | X1  | Y     |
|-----------------|-------|-----|-------|-----|-------|------|-----|-----|-----|-----|-----|-------|-----|-------|-----|-----|-----|-------|------|------|-----|-----|-----|-----|-------|
| CFI-922-2T-1'5  | 388.5 | 455 | 382.5 | 309 | 73.5  | 224  | 278 | 256 | M8  | 180 | 280 | 134   | 204 | 282.5 | 128 | 140 | 180 | 215   | 9.5  | 10.5 | 290 | 220 | 114 | 50  | 105   |
| CFI-922-2T-2    | 388.5 | 455 | 430.5 | 357 | 73.5  | 224  | 278 | 25  | M8  | 180 | 280 | 134   | 204 | 282.5 | 128 | 140 | 180 | 215   | 9.5  | 10.5 | 290 | 220 | 114 | 50  | 105   |
| CFI-922-2T-3    | 388.5 | 455 | 430.5 | 357 | 73.5  | 224  | 278 | 256 | M8  | 180 | 280 | 134   | 204 | 282.5 | 128 | 140 | 180 | 215   | 9.5  | 10.5 | 290 | 220 | 114 | 50  | 105   |
| CFI-922-4T      | 388.5 | 455 | 382.5 | 309 | 73.5  | 224  | 278 | 256 | M8  | 180 | 280 | 134   | 204 | 282.5 | 128 | 140 | 180 | 215   | 9.5  | 10.5 | 290 | 220 | 114 | 50  | 105   |
| CFI-1025-2T-3   | 427   | 503 | 456   | 370 | 86    | 250  | 305 | 282 | M8  | 197 | 310 | 144   | 229 | 312.5 | 145 | 165 | 205 | 250   | 9.5  | 12.5 | 315 | 228 | 134 | 74  | 115.5 |
| CFI-1025-2T-4   | 427   | 503 | 486   | 400 | 86    | 250  | 305 | 282 | M8  | 197 | 310 | 144   | 229 | 312.5 | 145 | 165 | 205 | 250   | 9.5  | 12.5 | 315 | 228 | 134 | 74  | 115.5 |
| CFI-1025-4T     | 427   | 503 | 456   | 370 | 86    | 250  | 305 | 282 | M8  | 197 | 310 | 144   | 229 | 312.5 | 145 | 165 | 205 | 250   | 9.5  | 12.5 | 315 | 228 | 134 | 74  | 115.5 |
| CFI-1128-2T-4   | 472   | 553 | 500.5 | 407 | 93.5  | 280  | 348 | 320 | M8  | 216 | 340 | 152   | 244 | 364   | 170 | 180 | 220 | 296.5 | 9.5  | 12.5 | 348 | 245 | 144 | 95  | 122.5 |
| CFI-1128-2T-5'5 | 472   | 553 | 523.5 | 430 | 93.5  | 280  | 348 | 320 | M8  | 216 | 340 | 152   | 244 | 364   | 170 | 180 | 220 | 296.5 | 9.5  | 12.5 | 348 | 245 | 144 | 95  | 122.5 |
| CFI-1128-4T     | 472   | 553 | 500.5 | 407 | 93.5  | 280  | 348 | 320 | M8  | 216 | 340 | 152   | 244 | 364   | 170 | 180 | 220 | 296.5 | 9.5  | 12.5 | 348 | 245 | 144 | 95  | 122.5 |
| CFI-1128-6T     | 472   | 553 | 470.5 | 377 | 93.5  | 280  | 348 | 320 | M8  | 216 | 340 | 152   | 244 | 364   | 170 | 180 | 220 | 296.5 | 9.5  | 12.5 | 348 | 245 | 144 | 95  | 122.5 |
| CFI-1231-4T-3   | 526   | 630 | 520.5 | 417 | 103.5 | 315  | 382 | 354 | M8  | 238 | 390 | 179.5 | 264 | 382.5 | 180 | 200 | 240 | 320   | 11.5 | 13   | 382 | 322 | 183 | 140 | 126   |
| CFI-1231-4T-4   | 526   | 630 | 520.5 | 417 | 103.5 | 315  | 382 | 354 | M8  | 238 | 390 | 179.5 | 264 | 382.5 | 180 | 200 | 240 | 320   | 11.5 | 13   | 382 | 322 | 183 | 140 | 126   |
| CFI-1231-4T-5'5 | 526   | 630 | 543.5 | 440 | 103.5 | 315  | 382 | 354 | M8  | 238 | 390 | 179.5 | 264 | 382.5 | 180 | 200 | 240 | 320   | 11.5 | 13   | 382 | 322 | 183 | 140 | 126   |
| CFI-1231-6T     | 526   | 630 | 520.5 | 417 | 103.5 | 315  | 382 | 354 | M8  | 238 | 390 | 179.5 | 264 | 382.5 | 180 | 200 | 240 | 320   | 11.5 | 13   | 382 | 322 | 183 | 140 | 126   |

\* Recommended nominal diameter for duct.

### CFI-1435...2563



| Model           | A     | B    | C     | C1  | C2    | øD1* | ød  | ød1 | ød2 | E   | H   | H1    | I   | J     | J1  | K   | k1    | L   | øO   | øO1 | V   | v   | X   | X1    | Y     |
|-----------------|-------|------|-------|-----|-------|------|-----|-----|-----|-----|-----|-------|-----|-------|-----|-----|-------|-----|------|-----|-----|-----|-----|-------|-------|
| CFI-1435-4T-4   | 573.5 | 715  | 549   | 431 | 118   | 355  | 422 | 394 | M8  | 250 | 445 | 242.5 | 292 | 342.5 | 159 | 228 | 133   | 280 | 11.5 | 12  | 456 | 420 | 333 | 136.5 | 150   |
| CFI-1435-4T-5'5 | 573.5 | 715  | 572   | 454 | 118   | 355  | 422 | 394 | M8  | 250 | 445 | 242.5 | 292 | 342.5 | 159 | 228 | 133   | 280 | 11.5 | 12  | 456 | 420 | 333 | 136.5 | 150   |
| CFI-1435-4T-7'5 | 573.5 | 715  | 610   | 492 | 118   | 355  | 422 | 394 | M8  | 250 | 445 | 242.5 | 292 | 342.5 | 159 | 228 | 133   | 280 | 11.5 | 12  | 456 | 420 | 333 | 136.5 | 150   |
| CFI-1435-6T     | 573.5 | 715  | 572   | 454 | 118   | 355  | 422 | 394 | M8  | 250 | 445 | 242.5 | 292 | 342.5 | 159 | 228 | 133   | 280 | 11.5 | 12  | 456 | 420 | 333 | 136.5 | 150   |
| CFI-1640-4T-5'5 | 634   | 799  | 596   | 465 | 130   | 400  | 464 | 438 | M8  | 270 | 495 | 271   | 336 | 404   | 185 | 250 | 150   | 321 | 11.5 | 12  | 500 | 460 | 327 | 133.5 | 162.5 |
| CFI-1640-4T-7'5 | 634   | 799  | 634   | 504 | 130   | 400  | 464 | 438 | M8  | 270 | 495 | 271   | 336 | 404   | 185 | 250 | 150   | 321 | 11.5 | 12  | 500 | 460 | 327 | 133.5 | 162.5 |
| CFI-1640-4T-10  | 634   | 799  | 634   | 504 | 130   | 400  | 464 | 438 | M8  | 270 | 495 | 271   | 336 | 404   | 185 | 250 | 150   | 321 | 11.5 | 12  | 500 | 460 | 327 | 133.5 | 162.5 |
| CFI-1640-6T     | 634   | 799  | 596   | 466 | 130   | 400  | 464 | 438 | M8  | 270 | 495 | 271   | 336 | 404   | 185 | 250 | 150   | 321 | 11.5 | 12  | 500 | 460 | 327 | 133.5 | 162.5 |
| CFI-1845-4T-7'5 | 711   | 901  | 668   | 521 | 147   | 450  | 515 | 485 | M8  | 302 | 560 | 305   | 370 | 444   | 202 | 284 | 164   | 361 | 11.5 | 12  | 538 | 502 | 340 | 140   | 179.5 |
| CFI-1845-4T-10  | 711   | 901  | 668   | 521 | 147   | 450  | 515 | 485 | M8  | 302 | 560 | 305   | 370 | 444   | 202 | 284 | 164   | 361 | 11.5 | 12  | 538 | 502 | 340 | 140   | 179.5 |
| CFI-1845-6T     | 711   | 901  | 630   | 483 | 147   | 450  | 515 | 485 | M8  | 302 | 560 | 305   | 370 | 444   | 202 | 284 | 164   | 361 | 11.5 | 12  | 538 | 502 | 340 | 140   | 179.5 |
| CFI-2050-4T-10  | 797   | 987  | 700.5 | 538 | 162.5 | 500  | 565 | 535 | M10 | 345 | 610 | 313   | 411 | 544   | 250 | 315 | 182.5 | 451 | 11.5 | 12  | 653 | 615 | 435 | 188   | 196   |
| CFI-2050-4T-15  | 797   | 987  | 805.5 | 643 | 162.5 | 500  | 565 | 535 | M10 | 345 | 610 | 313   | 411 | 544   | 250 | 315 | 182.5 | 451 | 11.5 | 12  | 653 | 615 | 435 | 188   | 196   |
| CFI-2050-4T-20  | 797   | 987  | 805.5 | 643 | 162.5 | 500  | 565 | 535 | M10 | 345 | 610 | 313   | 411 | 544   | 250 | 315 | 182.5 | 451 | 11.5 | 12  | 653 | 615 | 435 | 188   | 196   |
| CFI-2050-6T     | 797   | 987  | 700.5 | 538 | 162.5 | 500  | 565 | 535 | M10 | 345 | 610 | 313   | 411 | 544   | 250 | 315 | 182.5 | 451 | 11.5 | 12  | 653 | 615 | 435 | 188   | 196   |
| CFI-2563-6T     | 1027  | 1213 | 1016  | 805 | 211   | 630  | 710 | 675 | M10 | 460 | 742 | 378   | 512 | 706   | 330 | 410 | 230   | 600 | 17   | 14  | 590 | 540 | 450 | 200   | 239   |

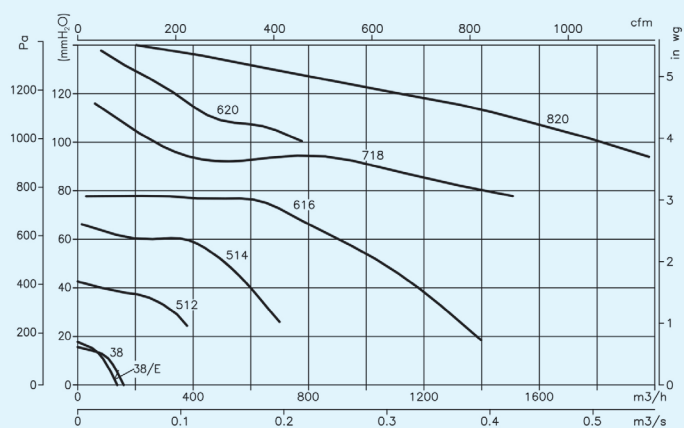
\* Recommended nominal diameter for duct.

## Characteristic curves

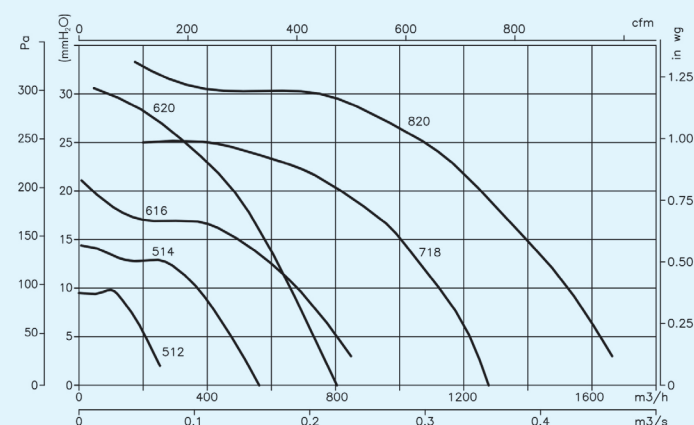
Q = Airflow in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm.

Pe = Static pressure in mm.w.c., Pa and in.wg.

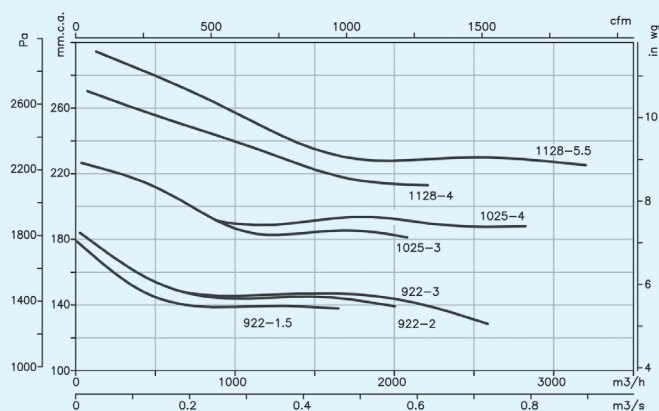
**2T/2M=3000 r/min**



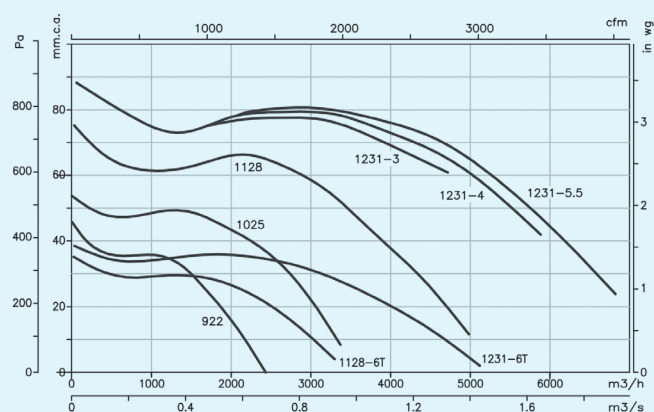
**4T/4M=1500 r/min**



**2T=3000 r/min**



**4T=1500 r/min  
6T=1000 r/min**

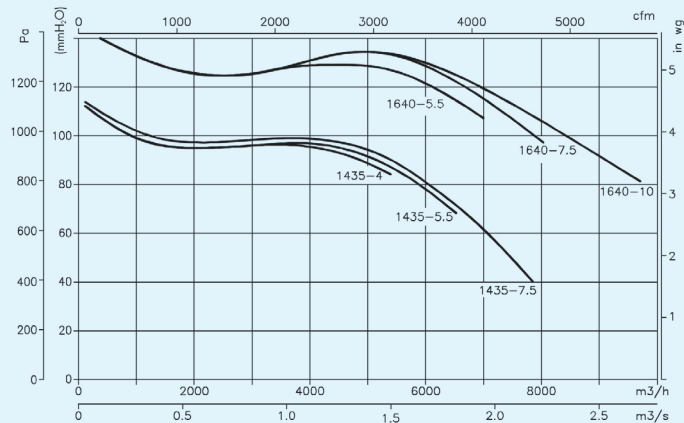


## Characteristic curves

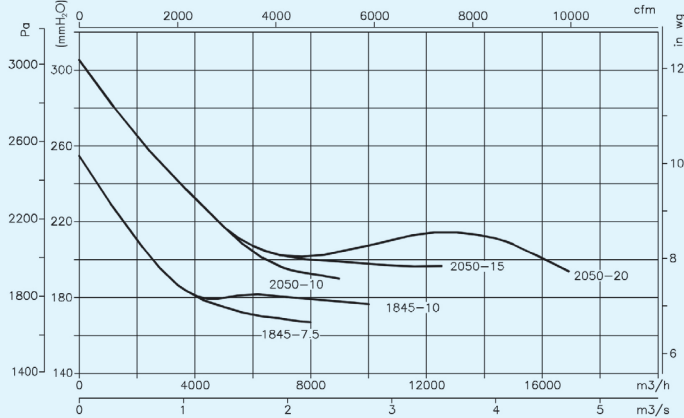
Q = Airflow in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm.

Pe= Static pressure in mm.w.c., Pa and inwg.

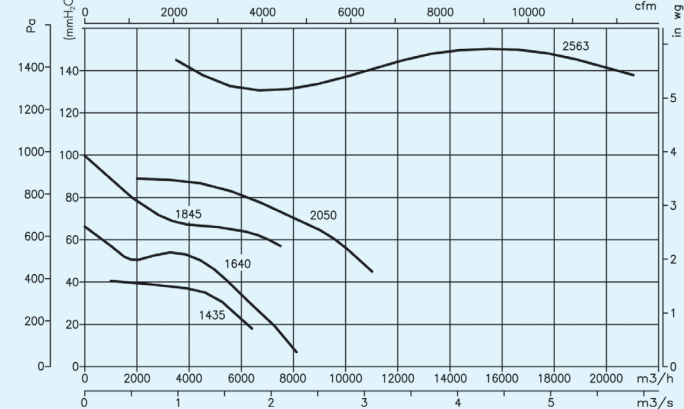
4T=1500 r/min



4T=1500 r/min



6T=1000 r/min



## Positions

LG 270 standard supply

LG 180 and RD 180 positions on request and with special fixing measures.

