

Brake motors with forced ventilation F series

Forced ventilation, a feature we are particularly specialized in, is available on the whole “F” series. The auxiliary ventilation is the “on line” variety; this solution, exclusive to COEL, guarantees an efficient cooling for the motor even in the most extreme conditions thanks to the large volume of air supplied by the auxiliary fans; these are designed and made with extremely high quality, with a rotor mounted on bearings, this ensuring efficiency and long-life without the need for any kind of maintenance.

The servo-ventilation is especially recommended for motors set off by inverters, but not only. On motors for particularly difficult applications auxiliary ventilation guarantees higher motor efficiency and contributes to maintain thermal balance more constant.

The length of motors (“Q” quote on overall dimensions F series), will change as following:

| Type | Q | Type | Q |
|------|-----|------|-----|
| 71 | 350 | 112 | 85 |
| 80 | 411 | 132S | 660 |
| 90S | 455 | 132L | 705 |
| 90L | 480 | 160S | 825 |
| 100 | 525 | 160L | 870 |



Characteristics of auxiliary fans

| Type | V | Hz | m ³ /h (efficiency) | rpm | W | A |
|-----------|----------|----|-----------------------------------|------|-----|------|
| 71 | 230 -1ph | 50 | 160 | 2650 | 20 | 0,12 |
| | | 60 | 180 | 3000 | 18 | 0,11 |
| 80 | 230 -1ph | 50 | 360 | 2800 | 26 | 0,13 |
| | | 60 | 400 | 3300 | 26 | 0,12 |
| 90 | 230 -1ph | 50 | 360 | 2800 | 26 | 0,13 |
| | | 60 | 400 | 3300 | 26 | 0,12 |
| 100 | 230 -1ph | 50 | 360 | 2800 | 26 | 0,13 |
| | | 60 | 400 | 3300 | 26 | 0,12 |
| 112 | 230 -1ph | 50 | 810 | 2740 | 50 | 0,24 |
| | | 60 | 920 | 3120 | 61 | 0,27 |
| 132 | 230 -1ph | 50 | 910 | 2600 | 63 | 0,30 |
| | | 60 | 1050 | 2900 | 70 | 0,32 |
| 160 | 230 -1ph | 50 | 1815 | 2500 | 120 | 0,53 |
| | | 60 | 1865 | 2600 | 160 | 0,70 |
| 180 - 200 | 400 -3ph | 50 | 600 | 2700 | 180 | 0,70 |
| | | 60 | 600 | 3200 | 180 | 0,70 |