



## SFL Series

VIBRATORS : VIBRATEURS : VIBRATOREN



The single flange mounted SFL Series of vibrators is designed for use in circular sieves and finishing machines which require a horizontal circular motion.

The stator frame of the SFL has been designed for this specific type of mounting but many of the internal components are shared with the base mounted BLZ Series.

Les vibrateurs à bride simple de la gamme SFL sont conçus pour être utilisés dans des tamis circulaires et des machines de finition qui requièrent un mouvement circulaire horizontal.

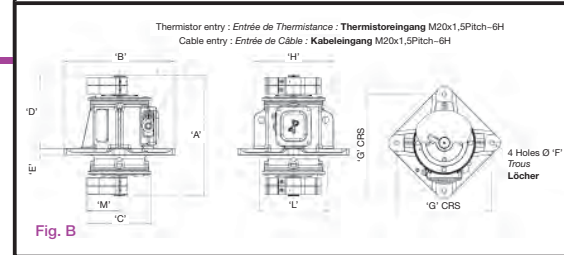
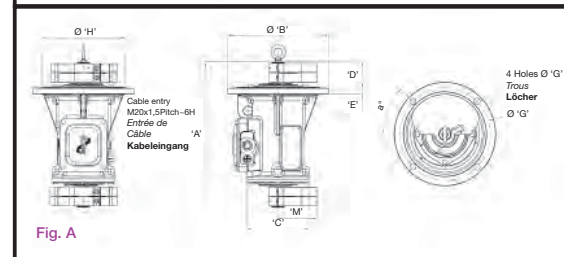
La carcasse du stator du SFL a été spécifiquement conçue pour ce type de montage, mais bon nombre de ses composants internes sont les mêmes que pour la gamme de vibrateurs à socle BLZ.



## VIBROPERCUSSION

Die Flansch-Vibratoren der SFL-Reihe eignen sich für den Einsatz bei Kreissieben und Feinmühlen, wo eine horizontale kreisförmige Bewegung erforderlich ist.

Das Statorgehäuse der SFL-Reihe wurde für diese Montageart entwickelt: viele der internen Komponenten sind jedoch die gleichen wie bei den bodenmontierten Vibratoren der BLZ-Reihe.



2 POLE - 2880 / 3456 RPM - 50/60 HERTZ

| Description<br>Description<br>Beschreibung |              |                                 |                                                                          | Mechanical Specification<br>Spécifications Mécaniques<br>Mechanische Spezifikation |                                                                |        |                                 |        |                                | Electrical Specification<br>Spécifications Électriques<br>Elektrische Daten |                                                          |      |  |
|--------------------------------------------|--------------|---------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|--------|---------------------------------|--------|--------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------|------|--|
| Frame Size<br>Type<br>Gehäusegröße         | CSA Approved | Temp. Class<br>Classe<br>Klasse | Centrifugal Force<br>Force Centrifuge<br>Fliehkraft<br>50 Hz. and 60 Hz. |                                                                                    | Working Moment<br>Moment de Travail<br>Arbeitsmoment<br>Kg.cm. |        | Weight<br>Poids<br>Gewicht (Kg) |        | Watts<br>Puissance<br>Leistung |                                                                             | Full Load Current<br>Courant de Pleine Charge<br>Vollast |      |  |
|                                            |              |                                 |                                                                          |                                                                                    | (x2)                                                           |        |                                 |        |                                |                                                                             |                                                          |      |  |
|                                            |              |                                 | Kg.                                                                      | Newtons                                                                            | 50 Hz.                                                         | 60 Hz. | 50 Hz.                          | 60 Hz. | Input<br>Entrée<br>Auf         | Output<br>Sortie<br>Ab                                                      | 400v                                                     |      |  |
|                                            |              |                                 | 50 Hz.                                                                   |                                                                                    |                                                                |        |                                 |        |                                |                                                                             |                                                          |      |  |
| SFL 15                                     | -3.5/2       | ✓                               | -                                                                        | 350                                                                                | 3433                                                           | 7.6    | 5.3                             | 16     | 16                             | 450                                                                         | 300                                                      | 0.56 |  |
| SFL 20                                     | -5/2         | ✓                               | -                                                                        | 500                                                                                | 4905                                                           | 10.8   | 7.5                             | 20     | 20                             | 450                                                                         | 400                                                      | 0.78 |  |
| SFL 25                                     | -8/2         | ✓                               | -                                                                        | 800                                                                                | 7848                                                           | 17.2   | 12.0                            | 37     | 36                             | 665                                                                         | 500                                                      | 1.17 |  |
| SFL 25                                     | -13/2        | ✓                               | -                                                                        | 1300                                                                               | 12753                                                          | 28.0   | 19.5                            | 39     | 38                             | 665                                                                         | 500                                                      | 1.17 |  |
| SFL 30                                     | -16/2        | ✓                               | -                                                                        | 1600                                                                               | 15696                                                          | 34.5   | 24.0                            | 62     | 61                             | 1410                                                                        | 1100                                                     | 2.1  |  |
| SFL 40                                     | -30/2        | ✓                               | -                                                                        | 3000                                                                               | 29430                                                          | 64.7   | 44.9                            | 93     | 92                             | 1875                                                                        | 1500                                                     | 2.9  |  |
| SFL 40                                     | -40/2        | ✓                               | -                                                                        | 4000                                                                               | 39240                                                          | 86.3   | 60.0                            | 98     | 97                             | 1875                                                                        | 1500                                                     | 2.9  |  |

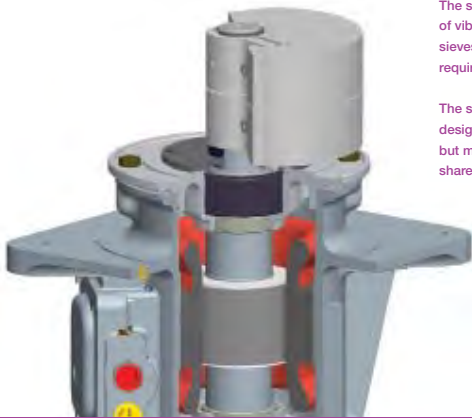
| Electrical Specification<br>Spécifications Électriques<br>Elektrische Daten |                                                         |        |
|-----------------------------------------------------------------------------|---------------------------------------------------------|--------|
| Full Load Current<br>Courant de Pleine Charge<br>Vollast                    | Starting Current<br>Courant de Démarrage<br>Anlaufstrom |        |
| 460v                                                                        | 400v                                                    | 460v   |
| 60 Hz.                                                                      | 50 Hz.                                                  | 60 Hz. |
| 0.50                                                                        | 3.0                                                     | 2.6    |
| 0.69                                                                        | 5.6                                                     | 4.9    |
| 1.05                                                                        | 10.2                                                    | 8.9    |
| 1.05                                                                        | 10.2                                                    | 8.9    |
| 1.8                                                                         | 23                                                      | 20     |
| 2.5                                                                         | 35                                                      | 31     |
| 2.5                                                                         | 35                                                      | 31     |

| Dimensional Specification (mm)<br>Spécifications Dimensionnelles<br>Abmessungen |     |     |     |     |    |      |     |    |       |     |    |     |     |               |  |  |
|---------------------------------------------------------------------------------|-----|-----|-----|-----|----|------|-----|----|-------|-----|----|-----|-----|---------------|--|--|
| Fig.                                                                            | A   | B   | C   | D   | E  | F    | G   | a° | H     | J   | K  | L   | M   | N             |  |  |
| A                                                                               | 252 | 195 | 147 | 72  | 12 | 10.5 | 170 | 45 | 150   | 102 | 80 | -   | 58  | M20 x 1.5p-6H |  |  |
| A                                                                               | 260 | 235 | 164 | 73  | 15 | 13.5 | 205 | 45 | 175   | 102 | 80 | -   | 65  | M20 x 1.5p-6H |  |  |
| A                                                                               | 341 | 280 | 175 | 43  | 16 | 13.5 | 254 | 90 | 228.6 | -   | -  | -   | 76  | M20 x 1.5p-6H |  |  |
| A                                                                               | 341 | 280 | 175 | 43  | 16 | 13.5 | 254 | 90 | 228.6 | -   | -  | -   | 90  | M20 x 1.5p-6H |  |  |
| B                                                                               | 384 | 420 | 236 | 238 | 25 | 17.5 | 360 | -  | 300   | -   | -  | -   | 260 | M20 x 1.5p-6H |  |  |
| B                                                                               | 486 | 508 | 238 | 294 | 26 | 26   | 438 | -  | 360   | -   | -  | 345 | 104 | M20 x 1.5p-6H |  |  |
| B                                                                               | 486 | 508 | 238 | 294 | 26 | 26   | 438 | -  | 360   | -   | -  | 345 | 114 | M20 x 1.5p-6H |  |  |



## SFL Series

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The single flange mounted SFL Series of vibrators is designed for use in circular sieves and finishing machines which require a horizontal circular motion.

The stator frame of the SFL has been designed for this specific type of mounting but many of the internal components are shared with the base mounted BLZ Series.

Les vibrateurs à bride simple de la gamme SFL sont conçus pour être utilisés dans des tamis circulaires et des machines de finition qui requièrent un mouvement circulaire horizontal.

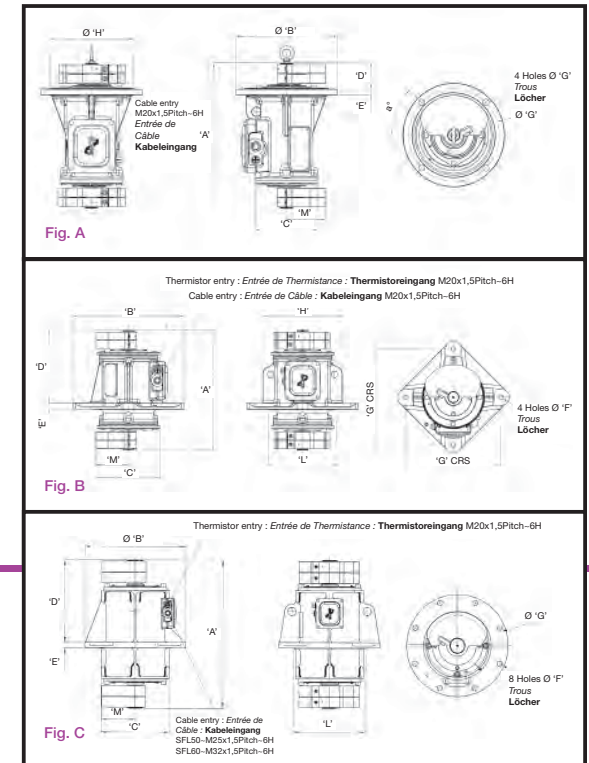
La carcasse du stator du SFL a été spécifiquement conçue pour ce type de montage, mais bon nombre de ses composants internes sont les mêmes que pour la gamme de vibrateurs à socle BLZ.



## VIBROPERCUSSION

Die Flansch-Vibratoren der SFL-Reihe eignen sich für den Einsatz bei Kreissieben und Feinmühlen, wo eine horizontale kreisförmige Bewegung erforderlich ist.

Das Statorgehäuse der SFL-Reihe wurde für diese Montageart entwickelt: viele der internen Komponenten sind jedoch die gleichen wie bei den bodenmontierten Vibratoren der BLZ-Reihe.



4 POLE - 1440 / 1728 RPM - 50/60 HERTZ

| Description<br>Description<br>Beschreibung |              |                                 |                                                                          | Mechanical Specification<br>Spécifications Mécaniques<br>Mechanische Spezifikation |                                                                |        |                                 |        |                                | Electrical Specification<br>Spécifications Électriques<br>Elektrische Daten |                                                          |       |
|--------------------------------------------|--------------|---------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|--------|---------------------------------|--------|--------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------|-------|
| Frame Size<br>Type<br>Gehäusegröße         | CSA Approved | Temp. Class<br>Classe<br>Klasse | Centrifugal Force<br>Force Centrifuge<br>Fliehkraft<br>50 Hz. and 60 Hz. |                                                                                    | Working Moment<br>Moment de Travail<br>Arbeitsmoment<br>Kg.cm. |        | Weight<br>Poids<br>Gewicht (Kg) |        | Watts<br>Puissance<br>Leistung |                                                                             | Full Load Current<br>Courant de Pleine Charge<br>Vollast |       |
|                                            |              |                                 |                                                                          |                                                                                    | (x2)                                                           |        |                                 |        |                                |                                                                             |                                                          |       |
|                                            |              |                                 | Kg.                                                                      | Newtons                                                                            | 50 Hz.                                                         | 60 Hz. | 50 Hz.                          | 60 Hz. | Input<br>Entrée<br>Auf         | Output<br>Sortie<br>Ab                                                      | 400v<br>50 Hz.                                           |       |
| SFL 15                                     | -3/4         | ✓                               | -                                                                        | 300                                                                                | 2943                                                           | 26.0   | 18.0                            | 18     | 17                             | 450                                                                         | 300                                                      | 0.71  |
| SFL 20                                     | -5/4         | ✓                               | -                                                                        | 500                                                                                | 4905                                                           | 43.1   | 29.9                            | 25     | 24                             | 450                                                                         | 350                                                      | 0.97  |
| SFL 25                                     | -7.5/4       | ✓                               | -                                                                        | 750                                                                                | 7357                                                           | 64.7   | 44.9                            | 44     | 43                             | 675                                                                         | 500                                                      | 1.32  |
| SFL 25                                     | -11/4        | ✓                               | -                                                                        | 1100                                                                               | 10790                                                          | 94.9   | 65.9                            | 45     | 44                             | 675                                                                         | 500                                                      | 1.32  |
| SFL 25                                     | -14/4        | ✓                               | -                                                                        | 1400                                                                               | 13735                                                          | 121    | 84.0                            | 48     | 46                             | 675                                                                         | 500                                                      | 1.32  |
| SFL 30                                     | -18/4        | ✓                               | -                                                                        | 1800                                                                               | 17658                                                          | 155    | 107.6                           | 77     | 74                             | 1335                                                                        | 1150                                                     | 2.50  |
| SFL 30                                     | -25/4        | ✓                               | -                                                                        | 2500                                                                               | 24525                                                          | 216    | 150                             | 79     | 76                             | 1335                                                                        | 1150                                                     | 2.50  |
| SFL 40                                     | -35/4        | ✓                               | -                                                                        | 3500                                                                               | 34335                                                          | 302    | 209                             | 108    | 105                            | 2150                                                                        | 1800                                                     | 3.70  |
| SFL 50                                     | -45/4        | ✓                               | -                                                                        | 4500                                                                               | 44145                                                          | 388    | 269                             | 181    | 175                            | 3740                                                                        | 3350                                                     | 6.40  |
| SFL 50                                     | -55/4        | ✓                               | -                                                                        | 5500                                                                               | 53955                                                          | 474    | 329                             | 185    | 180                            | 3740                                                                        | 3350                                                     | 6.40  |
| SFL 50                                     | -75/4        | ✓                               | -                                                                        | 7500                                                                               | 73575                                                          | 647    | 449                             | 220    | 206                            | 5280                                                                        | 4800                                                     | 8.60  |
| SFL 60                                     | -95/4        | ✓                               | -                                                                        | 9500                                                                               | 93195                                                          | 820    | 569                             | 340    | 330                            | 8410                                                                        | 7750                                                     | 12.90 |

| Electrical Specification<br>Spécifications Électriques<br>Elektrische Daten |                                                            |        |
|-----------------------------------------------------------------------------|------------------------------------------------------------|--------|
| Full Load<br>Current<br>Courant<br>de Pleine<br>Charge<br>Vollast           | Starting Current<br>Courant de<br>Démarrage<br>Anlaufstrom |        |
| 460v                                                                        | 400v                                                       | 460v   |
| 60 Hz.                                                                      | 50 Hz.                                                     | 60 Hz. |
| 0.64                                                                        | 2.3                                                        | 2.0    |
| 0.88                                                                        | 3.6                                                        | 3.1    |
| 1.22                                                                        | 8.7                                                        | 7.6    |
| 1.22                                                                        | 8.7                                                        | 7.6    |
| 1.22                                                                        | 8.7                                                        | 7.6    |
| 2.2                                                                         | 24.0                                                       | 21     |
| 2.2                                                                         | 24.0                                                       | 21     |
| 3.3                                                                         | 32.0                                                       | 28     |
| 5.7                                                                         | 74.0                                                       | 64     |
| 5.7                                                                         | 74.0                                                       | 64     |
| 7.6                                                                         | 88.0                                                       | 77     |
| 11.3                                                                        | 190                                                        | 165    |

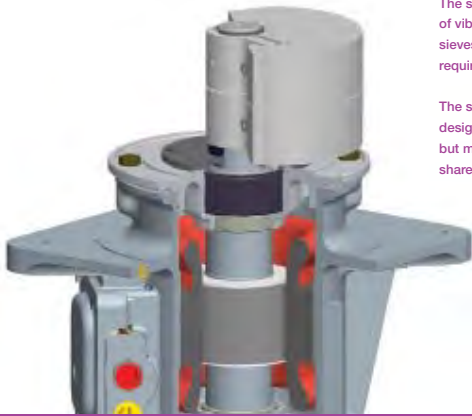
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|---------------------------------------------------------------------------------|-----|-----|-----|-----|----|------|-----|------|-------|-----|----|-----|-----|-----------------|--|--|
| Fig.                                                                            | A   | B   | C   | D   | E  | F    | G   | a°   | H     | J   | K  | L   | M   | N               |  |  |
| A                                                                               | 292 | 195 | 147 | 92  | 12 | 10.5 | 170 | 45   | 150   | 102 | 80 | -   | 65  | M20 x 1.5p - 6H |  |  |
| A                                                                               | 322 | 235 | 164 | 104 | 15 | 13.5 | 205 | 45   | 175   | 102 | 80 | -   | 75  | M20 x 1.5p - 6H |  |  |
| A                                                                               | 381 | 280 | 175 | 63  | 16 | 13.5 | 254 | 90   | 228.6 | -   | -  | -   | 95  | M20 x 1.5p - 6H |  |  |
| A                                                                               | 381 | 280 | 175 | 63  | 16 | 13.5 | 254 | 90   | 228.6 | -   | -  | -   | 106 | M20 x 1.5p - 6H |  |  |
| A                                                                               | 401 | 280 | 175 | 73  | 16 | 13.5 | 254 | 90   | 228.6 | -   | -  | -   | 107 | M20 x 1.5p - 6H |  |  |
| B                                                                               | 452 | 420 | 236 | 272 | 25 | 17.5 | 360 | -    | 300   | -   | -  | 260 | 110 | M20 x 1.5p - 6H |  |  |
| B                                                                               | 452 | 420 | 236 | 272 | 25 | 17.5 | 360 | -    | 300   | -   | -  | 260 | 123 | M20 x 1.5p - 6H |  |  |
| B                                                                               | 506 | 508 | 238 | 304 | 26 | 26   | 438 | -    | 360   | -   | -  | 345 | 155 | M20 x 1.5p - 6H |  |  |
| C                                                                               | 588 | 485 | 324 | 331 | 27 | 26   | 438 | 22.5 | -     | -   | -  | 345 | 170 | M25 x 1.5p - 6H |  |  |
| C                                                                               | 588 | 485 | 324 | 331 | 27 | 26   | 438 | 22.5 | -     | -   | -  | 345 | 182 | M25 x 1.5p - 6H |  |  |
| C                                                                               | 608 | 485 | 324 | 341 | 27 | 26   | 438 | 22.5 | -     | -   | -  | 345 | 187 | M25 x 1.5p - 6H |  |  |
| C                                                                               | 698 | 590 | 366 | 388 | 27 | 26   | 495 | 22.5 | -     | -   | -  | 420 | 200 | M25 x 1.5p - 6H |  |  |

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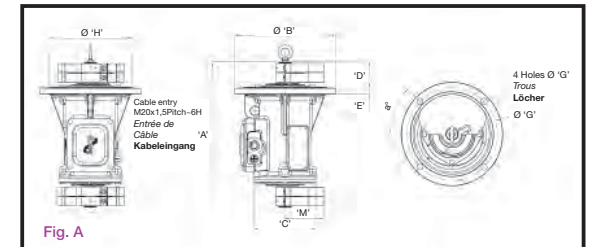


Fig. A

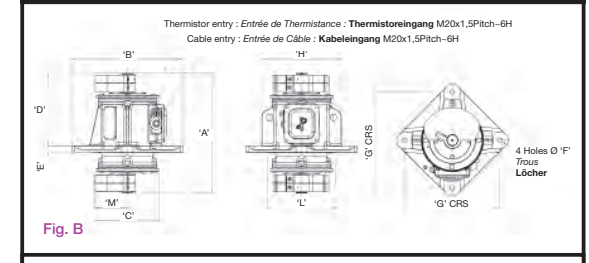


Fig. B

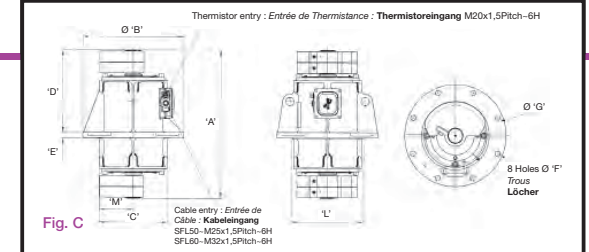


Fig. C

6 POLE - 960 / 1152 RPM - 50/60 HERTZ

| Description<br>Description<br>Beschreibung |              |                                 |                                                                          | Mechanical Specification<br>Spécifications Mécaniques<br>Mechanische Spezifikation |                                                                |        |                                 |        |                                | Electrical Specification<br>Spécifications Électriques<br>Elektrische Daten |                                                          |      |
|--------------------------------------------|--------------|---------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|--------|---------------------------------|--------|--------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------|------|
| Frame Size<br>Type<br>Gehäusegröße         | CSA Approved | Temp. Class<br>Classe<br>Klasse | Centrifugal Force<br>Force Centrifuge<br>Fliehkraft<br>50 Hz. and 60 Hz. |                                                                                    | Working Moment<br>Moment de Travail<br>Arbeitsmoment<br>Kg.cm. |        | Weight<br>Poids<br>Gewicht (Kg) |        | Watts<br>Puissance<br>Leistung |                                                                             | Full Load Current<br>Courant de Pleine Charge<br>Vollast |      |
|                                            |              |                                 |                                                                          |                                                                                    | (x2)                                                           |        |                                 |        |                                |                                                                             |                                                          |      |
|                                            |              |                                 | Kg.                                                                      | Newtons                                                                            | 50 Hz.                                                         | 60 Hz. | 50 Hz.                          | 60 Hz. | Input<br>Entrée<br>Auf         | Output<br>Sortie<br>Ab                                                      | 400v                                                     |      |
|                                            |              |                                 |                                                                          |                                                                                    |                                                                |        |                                 |        |                                |                                                                             | 50 Hz.                                                   |      |
| SFL 25                                     | -8/6         | ✓                               | -                                                                        | 800                                                                                | 7848                                                           | 155    | 107                             | 50     | 47                             | 747                                                                         | 510                                                      | 1.61 |
| SFL 25                                     | -11/6        | ✓                               | -                                                                        | 1100                                                                               | 10790                                                          | 213    | 148                             | 56     | 53                             | 747                                                                         | 510                                                      | 1.61 |
| SFL 30                                     | -14/6        | ✓                               | -                                                                        | 1400                                                                               | 13734                                                          | 271    | 188                             | 85     | 80                             | 1165                                                                        | 900                                                      | 3.0  |
| SFL 30                                     | -18/6        | ✓                               | -                                                                        | 1800                                                                               | 17658                                                          | 349    | 242                             | 90     | 85                             | 1165                                                                        | 900                                                      | 3.0  |
| SFL 40                                     | -27/6        | ✓                               | -                                                                        | 2700                                                                               | 26487                                                          | 524    | 364                             | 122    | 117                            | 2290                                                                        | 1800                                                     | 5.0  |
| SFL 50                                     | -42/6        | ✓                               | -                                                                        | 4200                                                                               | 41200                                                          | 815    | 566                             | 242    | 230                            | 4530                                                                        | 4000                                                     | 8.8  |
| SFL 50                                     | -60/6        | ✓                               | -                                                                        | 6000                                                                               | 58860                                                          | 1164   | 808                             | 256    | 244                            | 4530                                                                        | 4000                                                     | 8.8  |
| SFL 50                                     | -75/6        | ✓                               | -                                                                        | 7500                                                                               | 73575                                                          | 1455   | 1010                            | 272    | 259                            | 4530                                                                        | 4000                                                     | 8.8  |
| SFL 60                                     | -105/6       | ✓                               | -                                                                        | 10500                                                                              | 103000                                                         | 2037   | 1414                            | 405    | 382                            | 6630                                                                        | 6200                                                     | 11.2 |

| Electrical Specification<br>Spécifications Électriques<br>Elektrische Daten |                                                            |        |
|-----------------------------------------------------------------------------|------------------------------------------------------------|--------|
| Full Load<br>Current<br>Courant<br>de Pleine<br>Charge<br>Vollast           | Starting Current<br>Courant de<br>Démarrage<br>Anlaufstrom |        |
| 460v                                                                        | 400v                                                       | 460v   |
| 60 Hz.                                                                      | 50 Hz.                                                     | 60 Hz. |
| 1.46                                                                        | 7.0                                                        | 6.1    |
| 1.46                                                                        | 7.0                                                        | 6.1    |
| 2.7                                                                         | 15.0                                                       | 13.0   |
| 2.7                                                                         | 15.0                                                       | 13.0   |
| 4.6                                                                         | 25.0                                                       | 22.0   |
| 7.9                                                                         | 61.0                                                       | 53.0   |
| 7.9                                                                         | 61.0                                                       | 53.0   |
| 7.9                                                                         | 61.0                                                       | 53.0   |
| 10.0                                                                        | 108                                                        | 94     |

| Dimensional Specification (mm)<br>Spécifications Dimensionnelles<br>Abmessungen |     |     |     |    |      |     |      |       |     |   |   |     |       |               |  |  |
|---------------------------------------------------------------------------------|-----|-----|-----|----|------|-----|------|-------|-----|---|---|-----|-------|---------------|--|--|
| Fig.                                                                            | B   | C   | D   | E  | F    | G   | a°   | H     | A   | J | K | L   | M     | N             |  |  |
| A                                                                               | 280 | 175 | 103 | 16 | 13.5 | 254 | 90   | 228.6 | 461 | - | - | -   | 100   | M20 x 1.5p-6H |  |  |
| A                                                                               | 280 | 175 | 114 | 16 | 13.5 | 254 | 90   | 228.6 | 483 | - | - | -   | 107   | M20 x 1.5p-6H |  |  |
| B                                                                               | 420 | 236 | 313 | 25 | 17.5 | 360 | -    | 300   | 534 | - | - | 260 | 112   | M20 x 1.5p-6H |  |  |
| B                                                                               | 420 | 236 | 313 | 25 | 17.5 | 360 | -    | 300   | 534 | - | - | 260 | 122   | M20 x 1.5p-6H |  |  |
| B                                                                               | 508 | 238 | 334 | 26 | 26   | 438 | -    | 360   | 566 | - | - | 345 | 154.5 | M20 x 1.5p-6H |  |  |
| C                                                                               | 485 | 324 | 391 | 27 | 26   | 438 | 22.5 | -     | 708 | - | - | 345 | 160   | M25 x 1.5p-6H |  |  |
| C                                                                               | 485 | 324 | 391 | 27 | 26   | 438 | 22.5 | -     | 708 | - | - | 345 | 180.5 | M25 x 1.5p-6H |  |  |
| C                                                                               | 485 | 324 | 413 | 27 | 26   | 438 | 22.5 | -     | 750 | - | - | 345 | 183   | M25 x 1.5p-6H |  |  |
| C                                                                               | 590 | 366 | 439 | 27 | 26   | 495 | 22.5 | -     | 800 | - | - | 420 | 215   | M25 x 1.5p-6H |  |  |