

# CDX 12 EXPLOSION-PROOF ELECTRIC VIBRATOR SERIES

three-phase

| 6 poles |      |      |
|---------|------|------|
| Hz      | 50   | 60   |
| RPM     | 1000 | 1200 |



| Part Number | Model        | DESCRIPTION |                   |       |                   |       |           | MECHANICAL FEATURES |      |                          |       |                          |       | ELECTRICAL FEATURES |       |                    |                |                  |  |
|-------------|--------------|-------------|-------------------|-------|-------------------|-------|-----------|---------------------|------|--------------------------|-------|--------------------------|-------|---------------------|-------|--------------------|----------------|------------------|--|
|             |              | Frame Size  | cSP <sup>us</sup> |       | cUL <sup>us</sup> |       | IECEx G.D | PG                  | Ex G | Static Moment*<br>in-lbs |       | Centrifugal Force<br>lbs |       | Weight<br>lbs       |       | Power Output<br>HP |                | Max Current<br>A |  |
|             |              |             | 50 Hz             | 60 Hz | 50 Hz             | 60 Hz |           |                     |      | 50 Hz                    | 60 Hz | 50 Hz                    | 60 Hz | 50 Hz               | 60 Hz | 400 V<br>50 Hz     | 460 V<br>60 Hz |                  |  |
| 602315      | CDX 12-110   | 10          | •                 |       |                   |       |           |                     | 2.6  | 2.6                      | 77    | 108                      | 25.3  | 25.3                | 0.07  | 0.12               | 0.30           | 0.30             |  |
| 602316      | CDX 12-220   | 10          | •                 |       |                   |       |           |                     | 7.3  | 7.3                      | 207   | 299                      | 30.8  | 30.8                | 0.07  | 0.12               | 0.30           | 0.30             |  |
| 602317      | CDX 12-575   | 20          | •                 |       |                   |       |           |                     | 14.2 | 14.2                     | 403   | 581                      | 47.1  | 47.1                | 0.13  | 0.16               | 0.50           | 0.50             |  |
| 602318      | CDX 12-750   | 30          | •                 |       |                   |       |           |                     | 24.9 | 18.2                     | 706   | 744                      | 66.7  | 63.8                | 0.29  | 0.36               | 0.72           | 0.68             |  |
| 602320      | CDX 12-1630  | 35          | •                 | •     | •                 |       |           |                     | 39.7 | 39.7                     | 1126  | 1621                     | 105   | 105                 | 0.29  | 0.31               | 0.57           | 0.61             |  |
| 602325      | CDX 12-1990  | 40          | •                 | •     | •                 |       |           |                     | 62.9 | 48.8                     | 1780  | 1991                     | 156   | 144                 | 0.50  | 0.59               | 1.24           | 1.30             |  |
| 602274      | CDX 12-2530  | 50          | •                 | •     | •                 |       |           |                     | 88.0 | 62.2                     | 2490  | 2532                     | 174   | 158                 | 0.65  | 0.73               | 1.52           | 1.65             |  |
| 602277      | CDX 12-3410  | 60          | •                 | •     | •                 |       |           |                     | 127  | 83.6                     | 3604  | 3408                     | 240   | 216                 | 0.99  | 1.22               | 2.09           | 2.10             |  |
| 602280      | CDX 12-6050  | 70          | •                 | •     | •                 |       |           |                     | 202  | 148                      | 5722  | 6043                     | 317   | 286                 | 1.97  | 1.97               | 3.80           | 3.70             |  |
| 602365      | CDX 12-8450  | 80          | •                 | •     | •                 |       |           |                     | 298  | 207                      | 8417  | 8428                     | 440   | 400                 | 2.28  | 2.48               | 4.75           | 4.75             |  |
| 602201      | CDX 12-45000 | 110         | •                 |       |                   |       |           | •                   | 1741 | 1091                     | 49249 | 44458                    | 2042  | 1976                | 15.8  | 19.7               | 25.2           | 25.5             |  |

-  Class I, Groups C and D, Class II, Groups E, F and G. Temperature Class T4 (135°C). File No. E129825.
-  Class I, Groups C and D, Class II, Groups E, F and G. Temperature Class T4 (135°C). File No. LR100948.
-  Product approved for European Directive 94/9/EC: ATEX II2GD, Ex d IIB 120°C, tD A21 IP66 120°C. EN 60079-0, EN 60079-1, EN 61241-0, EN 61241-1. Certificate No. DEMKO 07 ATEX 0612032X.
-  Product approved for IECEx Scheme: Ex d IIB 120°C, tD A21 IP66 120°C. IEC 60079-0, IEC 60079-1, IEC 61241-0, IEC 61241-1. Certificate No. IECEx UL 09.0034X.
-  GOST-R certificate and GGTN permit for Ex d explosion proof electric vibrators. Compliance with GOST R 51330.0-99, GOST R 51330.1-99, GOST-R IEC 61241-1-1-99. Certificate No. POCC IT.ГБ04.В01164
-  Product approved for European Directive 94/9/EC: ATEX II2G, Ex d IIB T4. EN 60079-0, EN 60079-1. Certificate No. SIRA 00 ATEX 1026.

\* Working Moment = 2 x Static Moment. Static Moment = Unbalance.  
For 230 V, 60 Hz amperage, double the 460 V, 60 Hz amperage.



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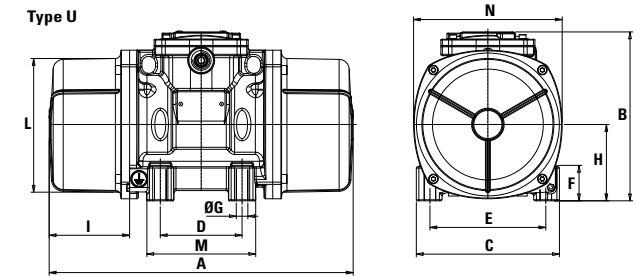
three-phase

| 6 poles |      |      |
|---------|------|------|
| Hz      | 50   | 60   |
| RPM     | 1000 | 1200 |



| Model        | Type | OVERALL DIMENSIONS (inches) |       |       |      |       |            |    |      |       |                          |       |       |       |
|--------------|------|-----------------------------|-------|-------|------|-------|------------|----|------|-------|--------------------------|-------|-------|-------|
|              |      | A                           | B     | C     | D    | E     | Foot holes |    | F    | H     | I                        | L     | M     | N     |
|              |      |                             |       |       |      |       | øG         | N° |      |       |                          |       |       |       |
| CDX 12-110   | U    | 10.04                       | 7.52  | 5.98  | 3.54 | 4.92  | 0.51       | 4  | 1.10 | 3.05  | 2.13                     | 5.12  | 5.04  | 5.91  |
| CDX 12-220   | U    | 11.85                       | 7.52  | 5.98  | 3.54 | 4.92  | 0.51       | 4  | 1.10 | 3.05  | 3.03                     | 5.12  | 5.04  | 5.91  |
| CDX 12-575   | U    | 13.78                       | 8.58  | 6.57  | 4.13 | 5.51  | 0.51       | 4  | 1.18 | 3.54  | 3.78                     | 5.91  | 5.51  | 6.89  |
| CDX 12-750   | U    | 15.51                       | 9.07  | 8.07  | 4.72 | 6.69  | 0.67       | 4  | 1.77 | 4.02  | 4.17                     | 6.97  | 6.38  | 7.87  |
| CDX 12-1630  | U    | 17.56                       | 9.78  | 8.27  | 4.72 | 6.69  | 0.67       | 4  | 2.05 | 4.41  | 4.65                     | 7.56  | 6.30  | 8.58  |
| CDX 12-1990  | U    | 20.47(50Hz)<br>18.43(60Hz)  | 10.96 | 9.25  | 5.51 | 7.48  | 0.67       | 4  | 2.56 | 4.57  | 5.28(50Hz)<br>4.25(60Hz) | 8.27  | 7.28  | 8.86  |
| CDX 12-2530  | U    | 23.39(50Hz)<br>20.47(60Hz)  | 10.96 | 9.25  | 5.51 | 7.48  | 0.87       | 4  | 2.56 | 4.57  | 6.73(50Hz)<br>5.28(60Hz) | 8.27  | 7.28  | 8.86  |
| CDX 12-3410  | U    | 24.96(50Hz)<br>22.52(60Hz)  | 12.28 | 10.63 | 6.10 | 8.86  | 0.87       | 4  | 2.05 | 5.31  | 6.97(50Hz)<br>5.75(60Hz) | 9.39  | 7.87  | 9.96  |
| CDX 12-6050  | U    | 26.61                       | 13.48 | 12.20 | 6.10 | 10.04 | 0.93       | 4  | 2.56 | 6.10  | 7.01                     | 10.98 | 8.27  | 11.61 |
| CDX 12-8450  | U    | 28.90                       | 14.45 | 13.19 | 7.09 | 11.02 | 0.98       | 4  | 2.76 | 6.89  | 7.95                     | 11.93 | 9.25  | 12.60 |
| CDX 12-45000 | U    | 45.28                       | 23.90 | 24.02 | 5.51 | 20.47 | 1.77       | 8  | 1.50 | 11.69 | 11.71                    | 21.34 | 20.08 | 22.91 |

Type U



Several sizes are available with different mounting bolt patterns. Please contact sales office at Italvibras.