

|                                                                                  |                            |                            |                    |       |       |       |       |       |       |               |
|----------------------------------------------------------------------------------|----------------------------|----------------------------|--------------------|-------|-------|-------|-------|-------|-------|---------------|
|  |                            | Technical Data Sheet       |                    |       |       |       |       |       |       | 01.03.2023    |
|                                                                                  |                            | STORM 15                   |                    |       |       |       |       |       |       | 9.15.05-10.12 |
|                                                                                  |                            | air cooled/ oil lubricated |                    |       |       |       |       |       |       |               |
| Rev. 01                                                                          |                            |                            |                    |       |       |       |       |       |       |               |
| Performance data                                                                 |                            |                            |                    |       |       |       |       |       |       |               |
| 5 bar                                                                            | Rpm airend (1/min)         | 1/min                      | 1.000              | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |               |
|                                                                                  | Volume flow*               | m³/min                     | 0,56               | 0,92  | 1,25  | 1,56  | 1,87  | 2,19  | 2,48  |               |
|                                                                                  | Terminal power (incl. fan) | kW                         | 4,25               | 5,68  | 7,36  | 9,07  | 10,89 | 13,08 | 15,28 |               |
| 6 bar                                                                            | Rpm airend (1/min)         | 1/min                      | 1.000              | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |               |
|                                                                                  | Volume flow*               | m³/min                     | 0,56               | 0,91  | 1,24  | 1,56  | 1,86  | 2,15  | 2,47  |               |
|                                                                                  | Terminal power (incl. fan) | kW                         | 4,70               | 6,20  | 7,81  | 9,82  | 11,71 | 13,88 | 16,47 |               |
| 7 bar                                                                            | Rpm airend (1/min)         | 1/min                      | 1.000              | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |               |
|                                                                                  | Volume flow*               | m³/min                     | 0,55               | 0,90  | 1,22  | 1,54  | 1,84  | 2,16  | 2,47  |               |
|                                                                                  | Terminal power (incl. fan) | kW                         | 5,19               | 6,78  | 8,52  | 10,43 | 12,55 | 14,87 | 17,53 |               |
| 8 bar                                                                            | Rpm airend (1/min)         | 1/min                      | 1.000              | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 3.800 |               |
|                                                                                  | Volume flow*               | m³/min                     | 0,54               | 0,90  | 1,21  | 1,53  | 1,84  | 2,17  | 2,34  |               |
|                                                                                  | Terminal power (incl. fan) | kW                         | 5,67               | 7,27  | 9,16  | 11,18 | 13,34 | 15,91 | 17,49 |               |
| 9 bar                                                                            | Rpm airend (1/min)         | 1/min                      | 1.000              | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 3.600 |               |
|                                                                                  | Volume flow*               | m³/min                     | 0,54               | 0,89  | 1,20  | 1,54  | 1,84  | 2,16  | 2,21  |               |
|                                                                                  | Terminal power (incl. fan) | kW                         | 6,11               | 7,74  | 9,75  | 12,05 | 14,14 | 16,90 | 17,44 |               |
| 10 bar                                                                           | Rpm airend (1/min)         | 1/min                      | 1.000              | 1.500 | 2.000 | 2.500 | 3.000 | 3.400 |       |               |
|                                                                                  | Volume flow*               | m³/min                     | 0,53               | 0,88  | 1,18  | 1,53  | 1,83  | 2,08  |       |               |
|                                                                                  | Terminal power (incl. fan) | kW                         | 6,68               | 8,30  | 10,45 | 12,81 | 15,22 | 17,26 |       |               |
| Idle terminal power                                                              |                            | kW                         | 1,51               |       |       |       |       |       |       |               |
| Airend                                                                           |                            |                            | YNT-70A            |       |       |       |       |       |       |               |
| Ratio motor / airend                                                             |                            |                            | 1 / 1              |       |       |       |       |       |       |               |
| Sound pressure level **                                                          |                            | dB(A)                      | 63                 |       |       |       |       |       |       |               |
| Air discharge temperature over ambient                                           |                            | K                          | ≤15                |       |       |       |       |       |       |               |
| Electrical data                                                                  |                            |                            |                    |       |       |       |       |       |       |               |
| Voltage                                                                          |                            | V                          | 400                |       |       |       |       |       |       |               |
| Frequency                                                                        |                            | Hz                         | 50                 |       |       |       |       |       |       |               |
| Rated motor power                                                                |                            | kW                         | 15                 |       |       |       |       |       |       |               |
| Starting method                                                                  |                            |                            | Frequency inverter |       |       |       |       |       |       |               |
| Efficiency class                                                                 |                            |                            | IE-4               |       |       |       |       |       |       |               |
| Enclosure / ISO class                                                            |                            |                            | IP 23 / F          |       |       |       |       |       |       |               |
| Rated fan motor power                                                            |                            | kW                         | 0,22               |       |       |       |       |       |       |               |
| Recommended cable cross-section (cable length max. 10m)                          |                            | mm²                        | 10                 |       |       |       |       |       |       |               |
| Recommended fuse                                                                 |                            | A                          | 40                 |       |       |       |       |       |       |               |
| Cooling data                                                                     |                            |                            |                    |       |       |       |       |       |       |               |
| Type of cooling                                                                  |                            |                            | Air cooling        |       |       |       |       |       |       |               |
| Cooling air capacity                                                             |                            | m³/h                       | 2.500              |       |       |       |       |       |       |               |
| Ambient temperature (min/max)                                                    |                            | °C                         | +5 - +45           |       |       |       |       |       |       |               |
| Dimensions, weight, filling quantities                                           |                            |                            |                    |       |       |       |       |       |       |               |
| Dimension stand alone compressor (L x W x H)                                     |                            | mm                         | 741 x 682 x 1450   |       |       |       |       |       |       |               |
| Weight stand alone compressor                                                    |                            | kg                         | 205                |       |       |       |       |       |       |               |
| Compressed air outlet stand alone compressor                                     |                            | "                          | 3/4                |       |       |       |       |       |       |               |
| Oil capacity                                                                     |                            | l                          | 7                  |       |       |       |       |       |       |               |
| Residual oil content                                                             |                            | mg/m³                      | 3 - 5              |       |       |       |       |       |       |               |

\* Measurements and specification of the data according to ISO1217 Annex E

\*\* Tolerance ± 3dB (A)

Due to constant product improvements, Tolpec GmbH reserves the right to change technical data without prior notice.

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