


## SOOT BLOWER A/B MOTOR 50/60HTB10AT101/102

| ABB Motors and Generators                             |  | Technical Data Sheet - DOL                          |                             |                                   |  |                      |
|---|--|---|-----------------------------|-----------------------------------|---|----------------------|
| Project<br>豪顿华TJB/1712001                             |  | Location  |                             |                                   |   |                      |
| Department/Author                                     |  | Customer name<br>戴蒙德电力机械(湖北)有限公司                    |                             | Customer ref.                     |   | Item name<br>1.00001 |
| Our ref.  |  | Rev/Changed by<br>A                                 | Date of issue<br>2018-03-27 | Saving ident<br>untitled.xls      | Pages<br>1(3)   |                      |
| No.   | Definition   | Data  | Unit                        | Remarks                           |   |                      |
| 1   | Product  | <b>TEFC, 3-phase, squirrel cage induction motor</b> |                             |                                   |   |                      |
| 2   | Product code                                       | <b>3GBP 092 322-BSB</b>                             |                             |                                   |   |                      |
| 3   | Type/Frame   | <b>M3BP 90 SLB 4</b>                                |                             |                                   |   |                      |
| 4   | Mounting   | <b>IM3071</b>                                       |                             |                                   |   |                      |
| 5   | Rated output P <sub>N</sub>                        | <b>1.1</b>  | kW                          |                                   |   |                      |
| 6   | Service factor                                     | <b>1</b>  |                             |                                   |   |                      |
| 7   | Type of duty                                       | <b>S1(IEC) 100%</b>                                 |                             |                                   |   |                      |
| 8   | Rated voltage U <sub>N</sub>                       | <b>380</b>  | VY                          | ± 10 % (IEC 60034-1)              |   |                      |
| 9   | Rated frequency f <sub>N</sub>                     | <b>50</b>   | Hz                          | ± 5 % (IEC 60034-1)               |   |                      |
| 10  | Rated speed n <sub>N</sub>                         | <b>1425</b>   | r/min                       |                                   |   |                      |
| 11  | Rated current I <sub>N</sub>                       | <b>2.4</b>  | A                           |                                   |   |                      |
| 12  | No-load current                                    | <b>1.19</b>   | A                           |                                   |   |                      |
| 13  | Starting current I <sub>s</sub> /I <sub>N</sub>    | <b>5.6</b>  |                             | Fulfilled IEC 60034-12 design N,H |   |                      |
| 14  | Nominal torque T <sub>N</sub>                      | <b>7.4</b>  | Nm                          |                                   |   |                      |
| 15  | Locked rotor torque T <sub>s</sub> /T <sub>N</sub> | <b>2.4</b>  |                             |                                   |   |                      |
| 16  | Maximum torque T <sub>max</sub> /T <sub>N</sub>    | <b>3.1</b>  |                             |                                   |   |                      |
| 17  | Minimum torque T <sub>min</sub> /T <sub>N</sub>    | <b>2.4</b>  |                             |                                   |   |                      |
| 18  | Speed at minimum torque                            | <b>0</b>  | r/min                       |                                   |   |                      |
| Load characteristics (IEC 60034-2-1:2007)             |  | Load %  | Current A                   | Efficiency %                      | Power factor  |                      |
| 19  | PLL determined from residual loss                  | <b>100</b>  | <b>2.4</b>                  | <b>82.9 / IE2</b>                 | <b>0.82</b>   |                      |
| 20  |  | <b>75</b>   | <b>1.97</b>                 | <b>84.5</b>                       | <b>0.75</b>   |                      |
| 21  |  | <b>50</b>   | <b>1.58</b>                 | <b>83.7</b>                       | <b>0.63</b>   |                      |
| 22  |  | <b>Start</b>  | <b>13.7</b>                 |                                   | <b>0.65</b>   |                      |
| 23  | Maximum starting time from hot                     | <b>20</b>   | s                           |                                   |   |                      |
| 24  | Maximum starting time from cold                    | <b>40</b>   | s                           |                                   |   |                      |
| 25  | Insulation class / Temperature class               | <b>F / B</b>  |                             |                                   |   |                      |
| 26  | Ambient temperature                                | <b>40</b>   | °C                          |                                   |   |                      |
| 27  | Altitude   | <b>1000</b>   | m.a.s.l.                    |                                   |   |                      |
| 28  | Enclosure  | <b>IP56</b>   |                             |                                   |   |                      |
| 29  | Cooling system                                     | <b>IC411 self ventilated</b>                        |                             |                                   |   |                      |
| 30  | Bearing DE/NDE                                     | <b>6205-2Z/C3 - 6204-2Z/C3</b>                      |                             |                                   |   |                      |
| 31  | Type of Grease                                     |   |                             |                                   |   |                      |
| 32  | Sound pressure level (LP dB(A) 1m)                 | <b>50</b>   | dB(A)                       | at load                           |   |                      |
| 33  | Moment of inertia J = ¼ GD2                        | <b>0.0044</b>                                       | kg-m2                       |                                   |   |                      |
| 34  | Balancing  |   |                             |                                   |   |                      |
| 35  | Vibration class                                    |   |                             |                                   |   |                      |
| 36  | Position of terminal box                           | <b>Top</b>  |                             |                                   |   |                      |
| 37  | Terminal box entries; no, dimens.                  |   |                             |                                   |   |                      |
| 38  | Number of power terminals                          |   |                             |                                   |   |                      |
| 39  | Direction of rotation                              | <b>CW or CCW</b>                                    |                             |                                   |   |                      |
| 40  | Weight of rotor                                    | <b>4</b>  | kg                          |                                   |   |                      |
| 41  | Total weight of motor                              | <b>25</b>   | kg                          |                                   |   |                      |
| 42  | Dimension drawing no.                              |   |                             |                                   |   |                      |
| 43  |  |   |                             |                                   |   |                      |
| 44  |  |   |                             |                                   |   |                      |
| 45  |  |   |                             |                                   |   |                      |
| Ex-motors   |  |   |                             |                                   |   |                      |
| 46  |  |   |                             |                                   |   |                      |
| 47  |  |   |                             |                                   |   |                      |
| 48  |  |   |                             |                                   |   |                      |
| Option Variant Codes / Definition                     |  |   |                             |                                   |   |                      |
| 49  | +066 Modified for non-standard mounting position   |   |                             |                                   |   |                      |
| 50  |  |   |                             |                                   |   |                      |
| 51  |  |   |                             |                                   |   |                      |
| 52  |  |   |                             |                                   |   |                      |
| 53  |  |   |                             |                                   |   |                      |
| 54  |  |   |                             |                                   |   |                      |
| 55  |  |   |                             |                                   |   |                      |
| Remarks:  |  |   |                             |                                   |   |                      |
| Data based on situation 2013/2/11                     |  |   |                             |                                   |   |                      |
| All data subject to tolerances in accordance with IEC |  |   |                             |                                   |   |                      |
| Guaranteed values on request                          |  |   |                             |                                   |   |                      |