

Data sheet for three-phase Squirrel-Cage-Motors ABB

|             |                          |
|-------------|--------------------------|
| Motor type: | FS: 449TS - p - 200 hp - |
|-------------|--------------------------|

|                  |                 |           |
|------------------|-----------------|-----------|
| Client order no. | Item-No.        | Offer no. |
| Order no.        | Consignment no. | Project   |

|         |
|---------|
| Remarks |
|---------|

|                 |  |
|-----------------|--|
| Electrical data |  |
|-----------------|--|

[illegible]

|                   |   |                   |                                    |            |            |
|-------------------|---|-------------------|------------------------------------|------------|------------|
| Frame Type: 449TS | Type of constr.:                              |                   | Motor Prot.:                       | NEMA Des.: | S.F.: 1.15 |
| Mtr. WT: lbs      | Insulation Class.:Standard Class F Insulation | Temp. Rise Cl.: B | Amb. Temp.: + 40 to -20 °C @1000 m | kVA:       | IP 54      |

|                 |
|-----------------|
| Mechanical data |
|-----------------|

| Sound level (SPL / SWL) at 60 Hz                             |  |  |  |  |  |  |  | dB(A) / dB(A)                |  |
|--|--|--|--|--|--|--|--|------------------------------|--|
| Octave Band Center Frequencies Hertz                         |  |  |  |  |  |  |  |                              |  |
| 250      500      1000      2000      4000      8000      Hz |  |  |  |  |  |  |  |                              |  |
| SPL@3  |  |  |  |  |  |  |  | dB(A)                        |  |
| Moment of inertia  |  |  |  |  |  |  |  | Lb-ft²                       |  |
| Ext Load Inertia Capability:                                 |  |  |  |  |  |  |  | Lb ft²                       |  |
| <b>Bearings</b>  |  |  |  |  |  |  |  |                              |  |
| Bearing DE   NDE   |  |  |  |  |  |  |  |                              |  |
| Bearing_Type   |  |  |  |  |  |  |  | Ball Bearing                 |  |
| AFBMA:   |  |  |  |  |  |  |  |                              |  |
| <b>Grease</b>  |  |  |  |  |  |  |  |                              |  |
| Capacity   |  |  |  |  |  |  |  | oz      oz                   |  |
| Grease Type:   |  |  |  |  |  |  |  |                              |  |
| Thickener  |  |  |  |  |  |  |  |                              |  |
| Safe Stall Time Hot  |  |  |  |  |  |  |  | s                            |  |
| Safe Stall Time Cold   |  |  |  |  |  |  |  | s                            |  |
| Frame material   |  |  |  |  |  |  |  |                              |  |
| Color, paint shade   |  |  |  |  |  |  |  | Standard Paint - RAL7030     |  |
| Coating (paint finish)                                       |  |  |  |  |  |  |  | Standard Alkyed + Epoxy (C2) |  |
| <b>Ventilation Type</b>                                      |  |  |  |  |  |  |  |                              |  |
| Method of cooling  |  |  |  |  |  |  |  |                              |  |
| Direction of rotation  |  |  |  |  |  |  |  |                              |  |
| Fan Material   |  |  |  |  |  |  |  |                              |  |
| VFD  |  |  |  |  |  |  |  | CT:    VT:                   |  |
| Space heaters  |  |  |  |  |  |  |  | -/-                          |  |
| Brake:   |  |  |  |  |  |  |  | -/-                          |  |


|              |
|--------------|
| Terminal box |
|--------------|

|                      |    |    |    |                    |                          |
|----------------------|----|----|----|--------------------|--------------------------|
| Lead Wire Connection |    |    |    |                    | Terminal box position    |
| Voltage              | L1 | L2 | L3 | Connected together | Material of terminal box |
|                      |    |    |    |                    | Cable entry              |
|                      |    |    |    |                    | -/-                      |

## Notes:


|  |  |
|--|--|
| $I_{\text{N}}/I_{\text{N}}$ = locked rotor current / current nominal<br>$M_{\text{N}}/M_{\text{N}}$ = locked rotor torque / torque nominal<br>$M_{\text{B}}/M_{\text{N}}$ = break down torque / nominal torque | 3) Value is valid only for DOL operation with motor design IC411<br>2) at rated power / at full load |
|--|--|

|                                  |                     |                   |             |   |
|----------------------------------|---------------------|-------------------|-------------|---|
| Responsible department<br>IN LVM | Technical reference | Created by<br>SPC | Approved by | <i>Technical data are subject to change! There may be discrepancies</i> |
|----------------------------------|---------------------|-------------------|-------------|---|

|   |                                     |                             |                                   |                |             |
|---|-------------------------------------|-----------------------------|-----------------------------------|----------------|-------------|
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Main terminal diagram

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|----------------------------------|--------------------------------------|------------|--------------------------------------|--|-----------------------------|---|-------------|
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|                                  | Document type<br>Wiring diagramm     |            |                                      | Document status<br>Released  |                             |  |             |
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