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

**Motor type:** **SD200 NEMA Premium Next Generation** **FS: L449TS - 4p - 350 hp -**

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

## Electrical data

| U [V] | Δ / Y | f [Hz] | P [HP] | P [kW] | n [rpm] | I Load [Amps] 4/4 | 3/4 | 1/2 | 0 | LRC | Nom. Eff Load [%] 4/4 | 3/4 | 2/4 | Pwr. Factor Load [%] 4/4 | 3/4 | 2/4 | Torque [lb-ft] | $T_A/T_N$ LRT [%] | $T_k/T_N$ BDT [%] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Frame Type: L449TS | Type of constr.: | | Motor Prot.: | NEMA Des.: | S.F.: 1.15 |
| Mtr. WT: lbs | Insulation Class.: | Temp. Rise Cl.: B | Amb. Temp.: + 40 to °C @1000 m | kVA: | IP |

## 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 |

| **Bearings** | | |
|---|---|---|
| Bearing DE \| NDE | 6315 Z C3 S0 | 6315 Z C3 S0 |
| Bearing_Type | Ball Bearing | Ball Bearing |
| AFBMA: | 75BC03JP3 | 75BC03JP3 |
| **Grease** | | |
| Capacity | 15 oz | 15 oz |
| Grease Type: | | |

| | |
|---|---|
| Thickener | Polyurea |
| Safe Stall Time Hot | s |
| Safe Stall Time Cold | s |
| Frame material | Cast iron |
| Color, paint shade | |
| Coating (paint finish) | |
| **Ventilation Type** | |
| Method of cooling | TEFC |
| Direction of rotation | |
| Fan Material | |
| VFD | CT: VT: 20:1 |
| Space heaters | without |
| Brake: | -/- |

## Terminal box

| Lead Wire Connection | | | | |
|---|---|---|---|---|
| Voltage | L1 | L2 | L3 | Connected together |
| | | | | -- -- -- |

| | |
|---|---|
| Terminal box position | |
| Material of terminal box | |
| Cable entry | -/- |

**Notes:**

$I_A/I_N$ = locked rotor current / current nominal
$M_A/M_N$ = locked rotor torque / torque nominal
$M_K/M_N$ = break down torque / nominal torque

3) Value is valid only for DOL operation with motor design IC411
2) at rated power / at full load

| Responsible department | Technical reference | Created by | Approved by | |
|---|---|---|---|---|
| IN LVM | | SPC | | *Technical data are subject to change! There may be discrepancies* |

| | Document type | Document status | customer |
|---|---|---|---|
| | Datasheet | Released | |
| | Document title | Document number | |
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|---|---|---|---|---|
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Main terminal diagram



| Responsible department | Technical reference | Created by | Approved by | *Technical data are subject to change! There may be discrepancies between calculated and rating plate values.* | Link documents |
|---|---|---|---|---|---|
| IN LVM | | | Created automatically | | |

| | Document type | Document status |
|---|---|---|
| | Wiring diagramm | Released |
| | Document title | Document number |
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