

0052SDSR42A-P Cut Sheet



Toshiba SD premium efficiency AC induction motor, high-performance inverter duty and severe duty, 5hp, 3-phase, 230/460 VAC, 3600rpm, TEFC, 184TC frame, cast iron, C-face/rigid base mount.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/0052SDSR42A-P>

Technical Specifications

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|--------------------------|--|
| Brand | Toshiba |
| Item | Motor |
| Series | SD |
| Efficiency Group | Premium efficiency |
| Efficiency | 88.5 |
| Voltage Type | AC |
| Motor Type | Induction |
| Motor Application | High-performance inverter duty and severe duty |
| Horsepower Rating | 5hp |
| Number of Phases | 3 |
| Voltage Rating | 230/460 VAC |
| Synchronous Speed | 3600rpm |
| Nameplate RPM | 3500rpm |
| Overload Type | None |
| Enclosure Type | TEFC |
| Shaft Type | Round with square key |

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|---------------------------------|--------------------------------|
| Shaft Diameter | 1-1/8in |
| Shaft Material | 1045 hot rolled (C-204) steel |
| Motor Frame | 184TC |
| Frame Material | Cast iron |
| Electrically Reversible | Yes |
| Insulation Class | Class F |
| IP Rating | IP55 |
| Constant Torque Rating | 10:1 |
| Variable Torque Rating | 60:1 |
| Service Factor | 1.15 |
| Integrated Brake | No |
| NEMA Design | Design B |
| Junction Box Orientation | F1 |
| Mounting | C-face/rigid base |
| Mounting Orientation | Horizontal or shaft down |
| Additional Information | Class I Div 2 hazardous rating |

Agency Approvals

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|-----------------------------|---|
| UL Listed File # | E133052 |
| UL Recognized File # | None |
| UL Hazardous File # | None |
| CE | None |
| CSA File # | 2637147 |
| RoHS Status | Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below) |
| EU REACH | View EU REACH document |
| Other | RoHS Statement |

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/0052SDSR42A-P.pdf>
See store item page for other formats.