

Y754SDSR42A-P Cut Sheet



Toshiba SD premium efficiency AC induction motor, high-performance inverter duty and severe duty, 7-1/2hp, 3-phase, 230/460 VAC, 1800rpm, TEFC, NEMA 213TC 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/Y754SDSR42A-P>

Technical Specifications

Brand	Toshiba	Shaft Diameter	1-3/8in
Item	Motor	Shaft Material	1045 hot rolled (C-204) steel
Series	SD	Motor Frame	NEMA 213TC
Efficiency Group	Premium efficiency	Frame Material	Cast iron
Efficiency	91.7	Electrically Reversible	Yes
Voltage Type	AC	Insulation Class	Class F
Motor Type	Induction	IP Rating	IP55
Motor Application	High-performance inverter duty and severe duty	Constant Torque Rating	20:1
Horsepower Rating	7-1/2hp	Variable Torque Rating	60:1
Number of Phases	3	Service Factor	1.15
Voltage Rating	230/460 VAC	Integrated Brake	No
Synchronous Speed	1800rpm	NEMA Design	Design B
Nameplate RPM	1760rpm	Junction Box Orientation	F1
Overload Type	None	Mounting	C-face/rigid base
Enclosure Type	TEFC	Mounting Orientation	Horizontal or shaft down
Shaft Type	Round with square key	Additional Information	Class I Div 2 hazardous rating

Agency Approvals

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/Y754SDSR42A-P.pdf>
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