

# Y154SDSR42A-P Cut Sheet



Toshiba SD premium efficiency AC induction motor, high-performance inverter duty and severe duty, 1-1/2hp, 3-phase, 230/460 VAC, 1800rpm, TEFC, NEMA 145TC 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/Y154SDSR42A-P>

## Technical Specifications

<b>Brand</b>	Toshiba
<b>Item</b>	Motor
<b>Series</b>	SD
<b>Efficiency Group</b>	Premium efficiency
<b>Efficiency</b>	86.5
<b>Voltage Type</b>	AC
<b>Motor Type</b>	Induction
<b>Motor Application</b>	High-performance inverter duty and severe duty
<b>Horsepower Rating</b>	1-1/2hp
<b>Number of Phases</b>	3
<b>Voltage Rating</b>	230/460 VAC
<b>Synchronous Speed</b>	1800rpm
<b>Nameplate RPM</b>	1755rpm
<b>Overload Type</b>	None
<b>Enclosure Type</b>	TEFC
<b>Shaft Type</b>	Round with square key

<b>Shaft Diameter</b>	7/8in
<b>Shaft Material</b>	1045 hot rolled (C-204) steel
<b>Motor Frame</b>	NEMA 145TC
<b>Frame Material</b>	Cast iron
<b>Electrically Reversible</b>	Yes
<b>Insulation Class</b>	Class F
<b>IP Rating</b>	IP55
<b>Constant Torque Rating</b>	20:1
<b>Variable Torque Rating</b>	60:1
<b>Service Factor</b>	1.15
<b>Integrated Brake</b>	No
<b>NEMA Design</b>	Design B
<b>Junction Box Orientation</b>	F1
<b>Mounting</b>	C-face/rigid base
<b>Mounting Orientation</b>	Horizontal or shaft down
<b>Additional Information</b>	Class I Div 2 hazardous rating

## Agency Approvals

<b>UL Listed File #</b>	E133052
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	None
<b>CSA File #</b>	2637147
<b>RoHS Status</b>	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>
<b>Other</b>	<a href="#">RoHS Statement</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/Y154SDSR42A-P.pdf>  
See store item page for other formats.