

# MTCP2-300-3D18 Cut Sheet



IronHorse MTCP2 premium efficiency AC induction motor, general purpose, inverter rated and severe duty, 300hp, 3-phase, 460 VAC, 1800rpm, TEFC, NEMA 449T frame, cast iron, rigid base mount.

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



<https://www.automationdirect.com/pn/MTCP2-300-3D18>

## Technical Specifications

<b>Brand</b>	IronHorse
<b>Item</b>	Motor
<b>Series</b>	MTCP2
<b>Efficiency Group</b>	Premium efficiency
<b>Efficiency</b>	96.2
<b>Voltage Type</b>	AC
<b>Motor Type</b>	Induction
<b>Motor Application</b>	General purpose, inverter rated and severe duty
<b>Horsepower Rating</b>	300hp
<b>Number of Phases</b>	3
<b>Voltage Rating</b>	460 VAC
<b>Synchronous Speed</b>	1800rpm
<b>Nameplate RPM</b>	1790rpm
<b>Overload Type</b>	None
<b>Enclosure Type</b>	TEFC
<b>Shaft Type</b>	Round with square key

<b>Shaft Diameter</b>	3-3/8in
<b>Shaft Material</b>	4140 carbon steel
<b>Motor Frame</b>	NEMA 449T
<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>	10:1
<b>Variable Torque Rating</b>	20:1
<b>Service Factor</b>	1.15 (sine), 1.0 (drive)
<b>Integrated Brake</b>	No
<b>NEMA Design</b>	Design B
<b>Junction Box Orientation</b>	F1
<b>Mounting</b>	Rigid base
<b>Mounting Orientation</b>	Horizontal or shaft down
<b>Additional Information</b>	Class I Div 2 hazardous rating

## Agency Approvals

<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	259277
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/MTCP2-300-3D18.pdf>  
See store item page for other formats.