

# Y575-A774 Cut Sheet



Marathon Blue MAX high efficiency AC induction motor, high-performance inverter duty, 100hp, 3-phase, 230/460 VAC, 1800rpm, TEFC, NEMA 405T frame, cast iron, rigid base mount. Dynapar HS35 encoder included.

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



<https://www.automationdirect.com/pn/Y575-A774>

## Technical Specifications

<b>Brand</b>	Marathon
<b>Item</b>	Motor
<b>Series</b>	Blue MAX
<b>Efficiency Group</b>	High efficiency
<b>Efficiency</b>	94.5
<b>Voltage Type</b>	AC
<b>Motor Type</b>	Induction
<b>Motor Application</b>	High-performance inverter duty
<b>Horsepower Rating</b>	100hp
<b>Number of Phases</b>	3
<b>Voltage Rating</b>	230/460 VAC
<b>Synchronous Speed</b>	1800rpm
<b>Nameplate RPM</b>	1785rpm
<b>Overload Type</b>	None
<b>Enclosure Type</b>	TEFC
<b>Shaft Type</b>	Round with square key
<b>Shaft Diameter</b>	2-7/8in

<b>Shaft Material</b>	1045 hot rolled (C-204) steel
<b>Motor Frame</b>	NEMA 405T
<b>Frame Material</b>	Cast iron
<b>Electrically Reversible</b>	Yes
<b>Insulation Class</b>	Class H
<b>IP Rating</b>	IP43
<b>Constant Torque Rating</b>	20:1
<b>Variable Torque Rating</b>	10:1
<b>Service Factor</b>	1.0
<b>Integrated Brake</b>	No
<b>NEMA Design</b>	Design A
<b>Junction Box Orientation</b>	F1 reversible
<b>Mounting</b>	Rigid base
<b>Mounting Orientation</b>	Horizontal
<b>Includes</b>	Dynapar HS35 encoder
<b>Additional Information</b>	Optional TRDA-25CBL-VWD-xx premade encoder cable available

## Agency Approvals

<b>UL Listed File #</b>	None
<b>UL Recognized File #</b>	E49747
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>RoHS Status</b>	No
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/Y575-A774.pdf>  
See store item page for other formats.