

# Y537-A772 Cut Sheet



Marathon Black MAX high efficiency AC induction motor, high-performance inverter duty, 1hp, 3-phase, 230/460 VAC, 1200rpm, TENV, NEMA 145TC frame, rolled steel, C-face/removable 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/Y537-A772>

## Technical Specifications

<b>Brand</b>	Marathon	<b>Shaft Material</b>	1144 Stressproof (C-223) steel
<b>Item</b>	Motor	<b>Motor Frame</b>	NEMA 145TC
<b>Series</b>	Black MAX	<b>Frame Material</b>	Rolled steel
<b>Efficiency Group</b>	High efficiency	<b>Electrically Reversible</b>	Yes
<b>Efficiency</b>	80	<b>Insulation Class</b>	Class F
<b>Voltage Type</b>	AC	<b>IP Rating</b>	IP43
<b>Motor Type</b>	Induction	<b>Constant Torque Rating</b>	1000:1
<b>Motor Application</b>	High-performance inverter duty	<b>Variable Torque Rating</b>	10:1
<b>Horsepower Rating</b>	1hp	<b>Service Factor</b>	1.0
<b>Number of Phases</b>	3	<b>Integrated Brake</b>	No
<b>Voltage Rating</b>	230/460 VAC	<b>NEMA Design</b>	Design A
<b>Synchronous Speed</b>	1200rpm	<b>Junction Box Orientation</b>	F1
<b>Nameplate RPM</b>	1145rpm	<b>Mounting</b>	C-face/removable rigid base
<b>Overload Type</b>	None	<b>Mounting Orientation</b>	Horizontal
<b>Enclosure Type</b>	TENV	<b>Includes</b>	Dynapar HS35 encoder
<b>Shaft Type</b>	Round with square key	<b>Additional Information</b>	Optional TRDA-25CBL-VWD-xx premade encoder cable available
<b>Shaft Diameter</b>	7/8in		

## 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/Y537-A772.pdf>  
See store item page for other formats.