

# SY005 Cut Sheet



Marathon Symax premium efficiency AC permanent magnet motor, high-performance inverter duty, 2hp, 3-phase, 230/460 VAC, 1800rpm, TENV, NEMA S56C frame, rolled steel, C-face/rigid base mount. Requires drive.

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



<https://www.automationdirect.com/pn/SY005>

## Technical Specifications

<b>Brand</b>	Marathon	<b>Shaft Diameter</b>	5/8in
<b>Item</b>	Motor	<b>Shaft Material</b>	1144 Stressproof (C-223) steel
<b>Series</b>	Symax	<b>Motor Frame</b>	NEMA S56C
<b>Efficiency Group</b>	Premium efficiency	<b>Frame Material</b>	Rolled steel
<b>Efficiency</b>	86	<b>Electrically Reversible</b>	Yes
<b>Voltage Type</b>	AC	<b>Insulation Class</b>	Class F
<b>Motor Type</b>	Permanent magnet	<b>IP Rating</b>	IP54
<b>Motor Application</b>	High-performance inverter duty	<b>Constant Torque Rating</b>	20:1
<b>Horsepower Rating</b>	2hp	<b>Variable Torque Rating</b>	20:1
<b>Number of Phases</b>	3	<b>Service Factor</b>	1.0
<b>Voltage Rating</b>	230/460 VAC	<b>Integrated Brake</b>	No
<b>Synchronous Speed</b>	1800rpm	<b>Junction Box Orientation</b>	F1
<b>Nameplate RPM</b>	1800rpm	<b>Mounting</b>	C-face/rigid base
<b>Overload Type</b>	None	<b>Mounting Orientation</b>	Horizontal
<b>Enclosure Type</b>	TENV	<b>Requires</b>	Drive
<b>Shaft Type</b>	Round with square key	<b>Manufacturer Part Number</b>	056PNRA10103

## 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>CSA File #</b>	LR2025
<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/SY005.pdf>  
See store item page for other formats.