

# SY007A Cut Sheet



Marathon Symax super premium efficiency AC permanent magnet motor, high-performance inverter duty, 5hp, 3-phase, 230/460 VAC, 1800rpm, TENV, NEMA 184TC frame, cast iron, 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/SY007A>

## Technical Specifications

<b>Brand</b>	Marathon
<b>Item</b>	Motor
<b>Series</b>	Symax
<b>Efficiency Group</b>	Super premium efficiency
<b>Efficiency</b>	94.9
<b>Voltage Type</b>	AC
<b>Motor Type</b>	Permanent magnet
<b>Motor Application</b>	High-performance inverter duty
<b>Horsepower Rating</b>	5hp
<b>Number of Phases</b>	3
<b>Voltage Rating</b>	230/460 VAC
<b>Synchronous Speed</b>	1800rpm
<b>Nameplate RPM</b>	1800rpm
<b>Overload Type</b>	Maintained
<b>Enclosure Type</b>	TENV
<b>Shaft Type</b>	Round with square key

<b>Shaft Diameter</b>	1-1/8in
<b>Shaft Material</b>	1045 hot rolled (C-204) steel
<b>Motor Frame</b>	NEMA 184TC
<b>Frame Material</b>	Cast iron
<b>Electrically Reversible</b>	Yes
<b>Insulation Class</b>	Class H
<b>IP Rating</b>	IP54
<b>Constant Torque Rating</b>	20:1
<b>Variable Torque Rating</b>	20:1
<b>Service Factor</b>	1.0
<b>Integrated Brake</b>	No
<b>Junction Box Orientation</b>	F1
<b>Mounting</b>	C-face/rigid base
<b>Mounting Orientation</b>	Horizontal
<b>Requires</b>	Drive
<b>Manufacturer Part Number</b>	184TPNSB10236

## 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/SY007A.pdf>  
See store item page for other formats.