

SY001 Cut Sheet



Marathon Symax premium efficiency AC permanent magnet motor, high-performance inverter duty, 1/2hp, 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/SY001>

Technical Specifications

Brand	Marathon	Shaft Diameter	5/8in
Item	Motor	Shaft Material	1144 Stressproof (C-223) steel
Series	Symax	Motor Frame	NEMA S56C
Efficiency Group	Premium efficiency	Frame Material	Rolled steel
Efficiency	83	Electrically Reversible	Yes
Voltage Type	AC	Insulation Class	Class F
Motor Type	Permanent magnet	IP Rating	IP54
Motor Application	High-performance inverter duty	Constant Torque Rating	20:1
Horsepower Rating	1/2hp	Variable Torque Rating	20:1
Number of Phases	3	Service Factor	1.0
Voltage Rating	230/460 VAC	Integrated Brake	No
Synchronous Speed	1800rpm	Junction Box Orientation	F1
Nameplate RPM	1800rpm	Mounting	C-face/rigid base
Overload Type	None	Mounting Orientation	Horizontal
Enclosure Type	TENV	Requires	Drive
Shaft Type	Round with square key	Manufacturer Part Number	056PNRA10100

Agency Approvals

UL Listed File #	None
UL Recognized File #	E49747
UL Hazardous File #	None
CE	View CE declarations
CSA File #	LR2025
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/SY001.pdf>
See store item page for other formats.