

SY036 Cut Sheet



Marathon Symax super premium efficiency AC permanent magnet motor, high-performance inverter duty, 3hp, 3-phase, 230/460 VAC, 1200rpm, TEFC, NEMA 182TC 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/SY036>

Technical Specifications

Brand	Marathon
Item	Motor
Series	Symax
Efficiency Group	Super premium efficiency
Efficiency	93
Voltage Type	AC
Motor Type	Permanent magnet
Motor Application	High-performance inverter duty
Horsepower Rating	3hp
Number of Phases	3
Voltage Rating	230/460 VAC
Synchronous Speed	1200rpm
Nameplate RPM	1200rpm
Overload Type	Maintained
Enclosure Type	TEFC
Shaft Type	Round with square key

Shaft Diameter	1-1/8in
Shaft Material	1045 hot rolled (C-204) steel
Motor Frame	NEMA 182TC
Frame Material	Rolled steel
Electrically Reversible	Yes
Insulation Class	Class F
IP Rating	IP43
Constant Torque Rating	20:1
Variable Torque Rating	20:1
Service Factor	1.0
Integrated Brake	No
Junction Box Orientation	F1
Mounting	C-face/rigid base
Mounting Orientation	Horizontal
Requires	Drive
Manufacturer Part Number	182TPFRB10181

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/SY036.pdf>
See store item page for other formats.