

Y546 Cut Sheet



Marathon Black MAX standard efficiency AC induction motor, high-performance inverter duty, 7-1/2hp, 3-phase, 230/460 VAC, 1200rpm, TENV, NEMA 254TC frame, cast aluminum, C-face/rigid base mount.

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



<https://www.automationdirect.com/pn/Y546>

Technical Specifications

Brand	Marathon
Item	Motor
Series	Black MAX
Efficiency Group	Standard efficiency
Efficiency	87.5
Voltage Type	AC
Motor Type	Induction
Motor Application	High-performance inverter duty
Horsepower Rating	7-1/2hp
Number of Phases	3
Voltage Rating	230/460 VAC
Synchronous Speed	1200rpm
Nameplate RPM	1170rpm
Overload Type	None
Enclosure Type	TENV
Shaft Type	Round with square key

Shaft Diameter	1-5/8in
Shaft Material	1045 hot rolled (C-204) steel
Motor Frame	NEMA 254TC
Frame Material	Cast aluminum
Electrically Reversible	Yes
Insulation Class	Class F
IP Rating	IP43
Constant Torque Rating	1000:1
Variable Torque Rating	10:1
Service Factor	1.0
Integrated Brake	No
NEMA Design	Design A
Junction Box Orientation	F1 reversible
Mounting	C-face/rigid base
Mounting Orientation	Horizontal
Manufacturer Part Number	254THTL5776

Agency Approvals

UL Listed File #	None
UL Recognized File #	E49747
UL Hazardous File #	None
CE	View CE declarations
RoHS Status	No
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/Y546.pdf>
See store item page for other formats.