

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, 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	Shaft Diameter	1-5/8in
Item	Motor	Shaft Material	1045 hot rolled (C-204) steel
Series	Black MAX	Motor Frame	254TC
Efficiency Group	Standard efficiency	Frame Material	Cast aluminum
Efficiency	87.5	Electrically Reversible	Yes
Voltage Type	AC	Insulation Class	Class F
Motor Type	Induction	IP Rating	IP43
Motor Application	High-performance inverter duty	Constant Torque Rating	1000:1
Horsepower Rating	7-1/2hp	Variable Torque Rating	10:1
Number of Phases	3	Service Factor	1.0
Voltage Rating	230/460 VAC	Integrated Brake	No
Synchronous Speed	1200rpm	NEMA Design	Design A
Nameplate RPM	1170rpm	Junction Box Orientation	F1 reversible
Overload Type	None	Mounting	C-face/rigid base
Enclosure Type	TENV	Mounting Orientation	Horizontal
Shaft Type	Round with square key	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