

MTRP-003-3BD36 Cut Sheet



IronHorse MTR premium efficiency AC induction motor, general purpose and inverter rated, 3hp, 3-phase, 208-230/460 VAC, 3600rpm, TEFC, NEMA 56C/HC frame, rolled steel, C-face/removable rigid base mount.

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



<https://www.automationdirect.com/pn/MTRP-003-3BD36>

Technical Specifications

Brand	IronHorse
Item	Motor
Series	MTR
Efficiency Group	Premium efficiency
Efficiency	86.5
Voltage Type	AC
Motor Type	Induction
Motor Application	General purpose and inverter rated
Horsepower Rating	3hp
Number of Phases	3
Voltage Rating	208-230/460 VAC
Synchronous Speed	3600rpm
Nameplate RPM	3500rpm
Overload Type	None
Enclosure Type	TEFC
Shaft Type	Round with square key

Shaft Diameter	5/8in
Shaft Material	1045 hot rolled (C-204) steel
Motor Frame	NEMA 56C/HC
Frame Material	Rolled steel
Electrically Reversible	Yes
Insulation Class	Class F
IP Rating	IP43
Constant Torque Rating	4:1
Variable Torque Rating	10:1
Service Factor	1.15 (sine), 1.0 (drive)
Integrated Brake	No
NEMA Design	Design B
Junction Box Orientation	F1
Mounting	C-face/removable rigid base
Mounting Orientation	Horizontal or vertical

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	256950
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/MTRP-003-3BD36.pdf>
See store item page for other formats.