

MTCP2-100-3BD18 Cut Sheet



IronHorse MTCP2 premium efficiency AC induction motor, general purpose, inverter rated and severe duty, 100hp, 3-phase, 230/460 VAC, suitable for 208 VAC at 60 Hz, 1800rpm, TEFC, NEMA 40ST frame, cast iron, rigid base mount.

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



<https://www.automationdirect.com/pn/MTCP2-100-3BD18>

Technical Specifications

Brand	IronHorse
Item	Motor
Series	MTCP2
Efficiency Group	Premium efficiency
Efficiency	95.4
Voltage Type	AC
Motor Type	Induction
Motor Application	General purpose, inverter rated and severe duty
Horsepower Rating	100hp
Number of Phases	3
Voltage Rating	230/460 VAC, suitable for 208 VAC at 60 Hz
Synchronous Speed	1800rpm
Nameplate RPM	1785rpm
Overload Type	None
Enclosure Type	TEFC
Shaft Type	Round with square key

Shaft Diameter	2-7/8in
Shaft Material	1045 hot rolled (C-204) steel
Motor Frame	NEMA 40ST
Frame Material	Cast iron
Electrically Reversible	Yes
Insulation Class	Class F
IP Rating	IP55
Constant Torque Rating	10:1
Variable Torque Rating	20:1
Service Factor	1.25 @ 60 Hz, 1.0 @ 50 Hz
Integrated Brake	No
NEMA Design	Design B
Junction Box Orientation	F1
Mounting	Rigid base
Mounting Orientation	Horizontal or shaft down
Additional Information	Class I Div 2 hazardous rating

Agency Approvals

CE	View CE declarations
CSA File #	259277
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/MTCP2-100-3BD18.pdf>
See store item page for other formats.