

MTDP-050-3BD18 Cut Sheet



IronHorse MTDP premium efficiency AC induction motor, general purpose and inverter rated, 50hp, 3-phase, 208-230/460 VAC, 1800rpm, ODP, NEMA 326T frame, rolled steel, rigid base mount.

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



<https://www.automationdirect.com/pn/MTDP-050-3BD18>

Technical Specifications

Brand	IronHorse
Item	Motor
Series	MTDP
Efficiency Group	Premium efficiency
Efficiency	94.5
Voltage Type	AC
Motor Type	Induction
Motor Application	General purpose and inverter rated
Horsepower Rating	50hp
Number of Phases	3
Voltage Rating	208-230/460 VAC
Synchronous Speed	1800rpm
Nameplate RPM	1776rpm
Overload Type	None
Enclosure Type	ODP
Shaft Type	Round with square key
Shaft Diameter	2-1/8in

Shaft Material	1045 hot rolled (C-204) steel
Motor Frame	NEMA 326T
Frame Material	Rolled steel
Electrically Reversible	Yes
Insulation Class	Class F
IP Rating	IP23
Constant Torque Rating	10:1
Variable Torque Rating	20:1
Service Factor	1.15 (sine), 1.0 (drive)
Integrated Brake	No
NEMA Design	Design B
Junction Box Orientation	F1
Mounting	Rigid base
Mounting Orientation	Horizontal or vertical
Additional Information	Pre-drilled for optional MTADP-CDR-320 current diverter ring (sold separately)

Agency Approvals

UL Listed File #	None
UL Recognized File #	E309286
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/MTDP-050-3BD18.pdf>
See store item page for other formats.