

MTCP2-002-3BD18 Cut Sheet



IronHorse MTCP2 premium efficiency AC induction motor, general purpose, inverter rated and severe duty, 2hp, 3-phase, 230/460 VAC, suitable for 208 VAC at 60 Hz, 1800rpm, TEFC, NEMA 145T 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/MTCP2-002-3BD18>

Technical Specifications

| | |
|--------------------------|---|
| Brand | IronHorse |
| Item | Motor |
| Series | MTCP2 |
| Efficiency Group | Premium efficiency |
| Efficiency | 86.5 |
| Voltage Type | AC |
| Motor Type | Induction |
| Motor Application | General purpose, inverter rated and severe duty |
| Horsepower Rating | 2hp |
| Number of Phases | 3 |
| Voltage Rating | 230/460 VAC, suitable for 208 VAC at 60 Hz |
| Synchronous Speed | 1800rpm |
| Nameplate RPM | 1755rpm |
| Overload Type | None |
| Enclosure Type | TEFC |
| Shaft Type | Round with square key |

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|---------------------------------|--------------------------------|
| Shaft Diameter | 7/8in |
| Shaft Material | 1045 hot rolled (C-204) steel |
| Motor Frame | NEMA 145T |
| 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 reversible |
| Mounting | Rigid base |
| Mounting Orientation | Horizontal or shaft down |
| Additional Information | Class I Div 2 hazardous rating |

Agency Approvals

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|--------------------|--|
| 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/MTCP2-002-3BD18.pdf>
See store item page for other formats.