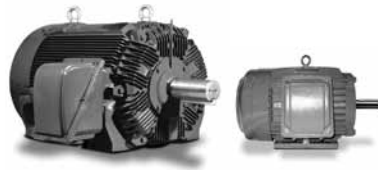


# MAX-HT™ LOW VOLTAGE CRUSHER DUTY



AEHHGD, NEMA PREMIUM, DESIGN A [CDP]

Effective 07-08-18  
Supersedes 03-24-17



## APPLICATIONS:

- Crushers
- Impactors
- Chippers/ Shredders
- Ball Mills/ Rolling Mills
- Any High Torque Application

## FEATURES:

- Output Range: 200 - 500 HP
- Speed: 1800, 1200 & 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP55)
- Voltage: 460V<sup>(1)</sup>
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, Groups B, C, D - Temp Code T3 Minimum<sup>(6)</sup>
- CSA Certified for Class II, Div. 2, Groups F & G - Temp Code T3 Minimum (Frame 444T and above)<sup>(6)</sup>
- Class F Insulation
- Class B Temperature Rise
- NEMA Design A Torques; Equal or Greater Than 200% Starting Torque / 250% Breakdown Torque
- Cast Iron Frame, End Brackets; Pressed Steel Plate Main Conduit Box and Fan Cover
- Cast Iron Main Conduit Box on 505UZ Frame
- Grounding Terminal Inside Main Conduit Box with additional Foot Grounding Provision
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 40°C Ambient Temperature<sup>(2)</sup>
- Designed for 3300 ft. Elevation<sup>(3)</sup>
- Bi-Directional Rotation
- High Strength 4140 AISI Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Dark Gray - Munsell 7.5 BG 3.5/0.5
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Automatic Grease Discharge Fittings
- Labyrinth Type Metal Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Stainless Steel Nameplate
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2<sup>(4,5)</sup>
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque (350 HP and Larger are 3:1 Constant Torque)
- 6 Leads
- Standard With Thermistors (PTC 140°C) 1 per Phase
- Locknut and Washer on NDE for Vertical Shaft Down Applications
- Drain Holes / Plugs on Both End Brackets for Vertical Applications
- Threaded One Way Breather Drains for Horizontal Mount Applications

## EXTRAS/ OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

## Notes:

- (1) 575V motors available on a made-to order basis. Consult a Stock Product Application Specialist for details.
- (2) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- (3) Consult a Stock Product Application Specialist for suitability at higher elevations.
- (4) Motor service factor is 1.0 when operated on a VFD.
- (5) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1. Part 31.
- (6) **CSA Certification for Hazardous Locations only applies to AEHHGD, NEMA Premium Type.**

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CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460V)	APPROX. SHIPPING WT. (lbs.)
CDP2006RZ	200	1200	505UZ	95.8	79.9	245	3,200
CDP2008R	200	900	5007C	94.5	80.2	247	2,000
CDP2008RZ	200	900	586/7UZ	94.5	77.2	257	2,370
CDP2504TB	250	1800	449T	96.2	85.0	286	2,750
CDP2504TR	250	1800	449TZ	96.2	85.0	286	2,760
CDP2504R	250	1800	5007C	96.2	82.4	295	3,620
CDP2504RZ	250	1800	505UZ	96.2	82.4	295	3,250
CDP2506TR	250	1200	449TZ	95.8	78.5	311	2,925
CDP2506R	250	1200	5007C	95.8	80.4	304	3,760
CDP2506RZ	250	1200	586/7UZ	95.8	80.2	305	4,850
CDP2508R	250	900	5009C	95.0	81.9	301	2,250
CDP2508RZ	250	900	586/7UZ	95.0	78.1	316	2,450
CDP3004TR	300	1800	449TZ	96.2	84.0	348	2,865
CDP3004R	300	1800	5007C	96.2	83.5	350	3,750
CDP3004RZ	300	1800	586/7UZ	96.2	82.7	353	4,900
CDP3006TR <sup>(2)</sup>	300	1200	449TZ	95.8	82.5	355	3,450
CDP3006R	300	1200	5009C	95.8	83.0	353	4,350
CDP3006RZ	300	1200	586/7UZ	95.8	81.7	359	4,950
CDP3504TR	350	1800	449TZ	96.2	88.5	385	3,290
CDP3504R	350	1800	5009C	96.2	86.2	395	4,140
CDP3504RZ	350	1800	586/7UZ	96.2	82.7	412	5,050
CDP3506R	350	1200	5806C	95.8	79.5	430	5,680
CDP3506RZ	350	1200	586/7UZ	95.8	80.6	424	5,100
CDP4004R	400	1800	5806C	96.2	83.3	467	5,650
CDP4004RZ	400	1800	586/7UZ	96.2	83.2	468	5,200
CDP4504R	450	1800	5808C	96.2	82.5	531	5,650
CDP4504RZ	450	1800	586/7UZ	96.2	82.8	529	5,300
CDP5004R	500	1800	5808C	96.2	85.6	569	5,860
CDP5004RZ	500	1800	586/7UZ	96.2	84.4	577	5,450

**Notes:**

- (1) All data subject to change without notice.
- (2) CDP3006TR is not suitable for 50HZ operation and the nameplate data will not include 50HZ data.