



ROCK CRUSHER DUTY MOTOR HIGH EFFICIENCY

125HP to 500HP /

1800RPM, 1200RPM, 900RPM



REGISTERED
CERT. NO. 3A1Y002



CRUSHER-MAX MOTOR

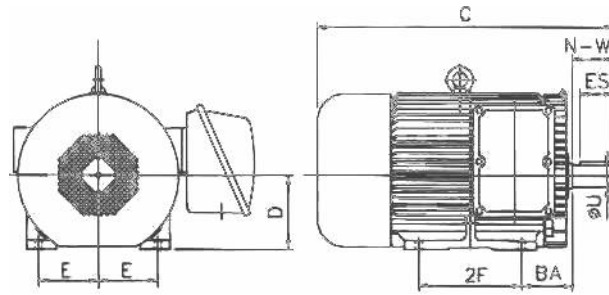
FEATURES:

- Class F Insulation
- Service Factor 1.15
- 80°C Rise at Rated Load
- NEMA Design C Torque
- Enclosure TEFC (Meets IP55)
- Max. 40°C Ambient Temperature
- F1 Mounting
- Cast Iron Frame
- Cast Iron T-box
- Steel Fan Cover
- Inpro Seal on the Drive End
- High Strength Steel Shaft Material ANSI 4140
- Oversized Bolts Between Conduit Box and Motor Frame
- Bearings Lock Nuts for Both Horizontal and Vertical (VSI) Application
- Across-the-line and Y-Delta Start Capability.
- UR Recognized for Frame # 447TZ and Smaller
- CSA Approved
- 2 Year Warranty

OPTIONS:

- Class H insulation
- Footless D-flange
- Corrosion Resistant Epoxy Finish
- Cast Iron Fan Cover (#505UZ and Below)
- F2 Assembly Available
- Space Heater
- Thermostats
- Bearing Temperature Detectors
- 575V (460V Available)

DIMENSIONS



NEMA FRAME	D	MOUNTING			SHAFT			C	BEARINGS		APPR.WT (LBS)
		2F	BA	2E	N-W	ES	U		DE	ODE	
445T	11.0	16.50	7.50	18.00	8.50	8.25	3.375	47.70	NU220	6315	2050
447TZ	11.0	20.00	7.50	18.00	10.125	9.875	3.375	59.15	NU220	6315	2650
505UZ	12.50	18.00	8.50	20.00	11.625	10.00	3.875	56.12	NU322	6318	2700
N5806UZ	14.50	22.00	10.00	23.00	11.625	10.00	4.375	61.90	*NU324	6320	4680
N5808UZ	14.50	28.00	10.00	23.00	11.625	10.00	4.375	76.55	*NU324	6320	6600

“*” C3 type bearing for 4 Pole

PERFORMANCE DATA

HP	FULL LOAD RPM	NEMA FRAME	MODEL NUMBER	FULL LOAD CURRENT(A) (575V)	TORQUE		FULL LOAD EFFICIENCY (%)	POWER FACTOR (%)
					LOCKED ROTOR (%)	BREAK DOWN (%)		
125	1180	445T	WC1256HFIT	126	220	260	93.6	80.0
	875	505UZ	WC1258HFIT	134	210	240	92.7	76.0
150	1770	445T	WC1504HFIT	144	220	240	93.6	84.0
	1180	447TZ	WC1506HFIT	150	200	240	93.6	81.0
200	875	505UZ	WC1508HFIT	160	210	250	93.0	76.0
	1775	447TZ	WC2004HFBT	189	220	255	94.1	85.0
250	1180	505UZ	WC2006HFBT	197	210	230	94.1	81.0
	880	N5806UZ	WC2008HFBT	215	205	235	94.0	74.0
300	1780	505UZ	WC2504HFBT	235	200	255	94.1	85.0
	1185	N5806UZ	WC2506HFBT	243	202	230	95.0	81.1
400	880	N5806UZ	WC2508HFBT	270	205	235	94.0	73.9
	1785	N5806UZ	WC3004HFBT	277	200	235	95.0	85.5
450	1175	N5806UZ	WC3006HFBT	292	205	235	95.0	81.0
	1785	N5806UZ	WC4004HFBT	366	202	235	95.0	86.1
500	1175	N5808UZ	WC4006HFBT	385	200	230	95.0	82.0
	1785	N5808UZ	WC4504HFBT	413	205	235	95.0	86.0
500	1175	N5808UZ	WC4506HFBT	433	202	230	95.0	82.0
	1785	N5808UZ	WC5004HFBT	458	205	240	95.0	86.0
	1175	N5808UZ	WC5006HFBT	480	202	230	95.0	82.1

Note: 1. The above are typical values based on test per IEEE-112 method B (250HP & below) or method F/F1.

2. 230/460V for Model No. WCxxxHFIT, 460V only for Model No. WCxxxHFBT, and 575V for Model No. WCxxxHFHT

3. All data subject to change without notice.

