



**ROCK CRUSHER DUTY MOTOR**  
**HIGH EFFICIENCY**  
**125HP to 600HP**  
**1800RPM, 1200RPM, 900RPM**



**CRUSHER-MAX MOTOR**

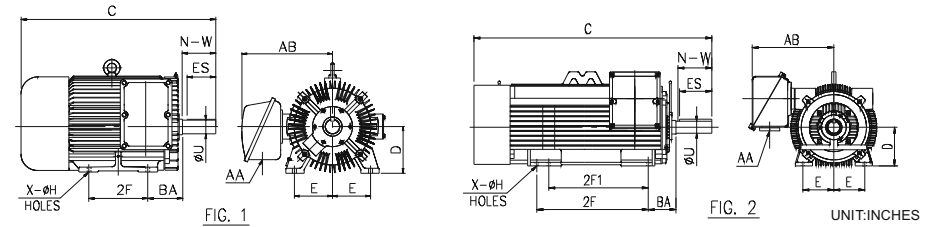


**FEATURES:**

- ◆ 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 and T-box
- ◆ Heavy Duty Steel Plate Fan Cover
- ◆ Inpro Seal on the Drive End
- ◆ High Strength Steel Shaft Material ANSI 4140
- ◆ Oversized Bolts Between Gasketed Conduit Box and Motor Frame
- ◆ Bearings Lock Nuts for Both Horizontal and Vertical (VSI) Application
- ◆ Across-the-line and Y-Delta Start Capability.
- ◆ CSA Approved

**OPTIONS:**

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



NEMA FRAME	FIG	D	MOUNTING					SHAFT				C	AB	AA	BEARING		APPR. WT (LBS)
			2E	2F	2F1	X-ØH	BA	N-W	ES	U	DE				ODE		
445T	1	11.0	18.00	16.50	--	4-0.81	7.50	8.50	6.91	3.375	48.10	22.24	NPT3"	NU220	6315	1800	
447TZ	1	11.0	18.00	20.00	--	4-0.81	7.50	10.125	9.875	3.375	59.54	22.95	NPT3.5"	NU220	6315	2150	
505UZ	1	12.50	20.00	18.00	--	4-0.94	8.50	11.625	10.00	3.875	56.12	21.85	NPT4"	NU322	6318	2700	
N5806UZ	2	14.50	23.00	22.00	--	4-1.10	10.00	11.625	10.00	4.375	61.90	28.30	2-NPT3"	NU324	6320	4680	
N5807/8UZ	2	14.50	23.00	28.00	25.00	6-1.10	10.00	11.625	10.00	4.375	76.65	28.90	2-NPT3"	NU324	6320	5390	
N5810UZ	2	14.50	23.00	36.00	--	4-1.10	10.00	11.625	10.00	4.375	84.10	28.90	2-NPT3"	NU324	6320	6600	

Note: Frame N5807UZ and N5808UZ have the same weight and mounting dimensions

**PERFORMANCE DATA**

HP	FULL LOAD RPM	NEMA FRAME	MODEL NUMBER	FULL LOAD CURRENT(A) (460V)	TORQUE		FULL LOAD EFFICIENCY (%)	POWER FACTOR (%)
					LOCKED ROTOR (%)	BREAK DOWN (%)		
125	1180	445T	WC1256HFIT	158	220	260	93.6	80.0
	875	505UZ	WC1258HFIT	168	210	240	92.7	76.0
150	1770	445T	WC1504HFIT	180	220	240	93.6	84.0
	1180	447TZ	WC1506HFIT	188	200	240	93.6	81.0
	875	505UZ	WC1508HFIT	200	210	250	93.0	76.0
200	1775	447TZ	WC2004HFBT	236	220	255	94.1	85.0
	1180	505UZ	WC2006HFBT	246	210	230	94.1	81.0
	880	N5806UZ	WC2008HFBT	269	205	235	94.0	74.0
250	1780	505UZ	WC2504HFBT	294	200	255	94.1	85.0
	1185	N5806UZ	WC2506HFBT	304	200	230	95.0	81.1
	880	N5806UZ	WC2508HFBT	337	205	235	94.0	73.9
300	1785	N5806UZ	WC3004HFBT	346	200	235	95.0	85.5
	1175	N5806UZ	WC3006HFBT	365	205	235	95.0	81.0
350	1785	N5806UZ	WC3504HFBT	404	200	235	95.0	85.5
	1175	N5806UZ	WC3506HFBT	424	205	235	95.0	81.5
400	1785	N5806UZ	WC4004HFBT	458	200	235	95.0	86.1
	1175	N5807/8UZ	WC4006HFBT	481	200	230	95.0	82.0
450	1785	N5807/8UZ	WC4504HFBT	516	205	235	95.0	86.0
	1175	N5807/8UZ	WC4506HFBT	541	200	230	95.0	82.0
500	1785	N5807/8UZ	WC5004HFBT	573	205	240	95.0	86.0
	1175	N5807/8UZ	WC5006HFBT	600	200	230	95.0	82.1
600	1175	N5810UZ	WC6006HFBT	720	200	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. WCxxxxHFIT, 460V only for Model No. WCxxxxHFBT, and 575V for Model No. WCxxxxHFHT  
 3. All data subject to change without notice.

TATUNG Sanhsia Motor Plant  
 352 Shi-tong Rd., San-hsia, Taipei Hsien, Taiwan, 237  
 Tel: (886-2)8676-6888 Fax: (886-2) 8676-5050  
<http://www.tatung.com/heavy>

TATUNG Electric Company of America, Inc.  
 14381 Chambers Road Tustin, CA 92780  
 Tel: 714-838-3293 CALL Toll Free 800-828-8641 Fax: 714-838-3295  
 E-mail: [sales@tatungelectric.com](mailto:sales@tatungelectric.com) <http://www.tatung.com/heavy>

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