

DATE  
JAN 19, 2012

CATALOG NO.  
GHV0/24C

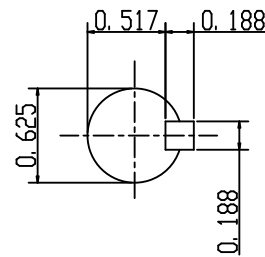
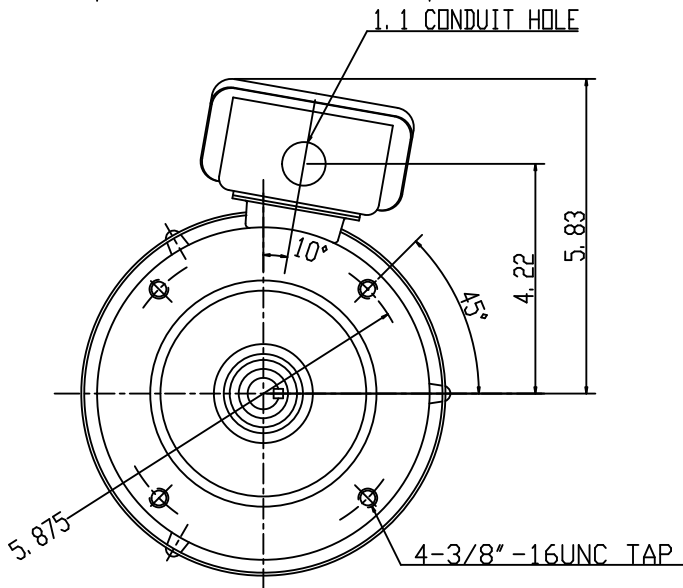
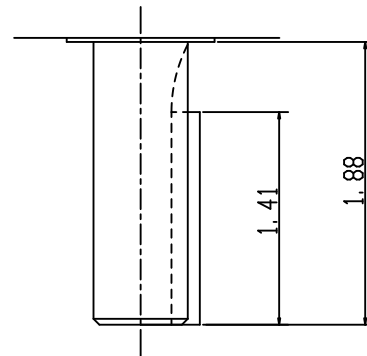
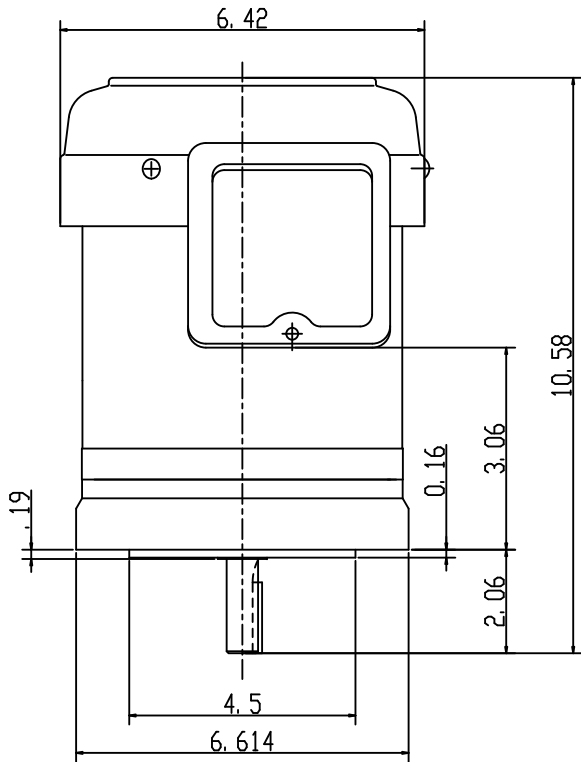
OUTLINE DIMENSIONS  
3-PHASE INDUCTION MOTOR

MODEL TYPE:  
AETHCF

FRAME NO. 56C

Pole	HP	KW	Hz	VOLT	Syn. Speed R. P. M
4	1/4	.19	60	230/460	1800

Ins.	Rating	Dimensions in	Approx Weight	Bearings
F	CONT.	inch	24 lbs.	DF: 6204ZZ NDE: 6203ZZ



APPD.	W. H. TSAI	03 31 03
CHKD.	J. B. CHEN	03 31 03
DWN.	P. J. CHEN	03 31 03

TECO Westinghouse

DWG NO.  
31049Z105  
0724



TEFC, NEMA, DESIGN - B  
CLASS F, 40°C AMBIENT, CONTINUOUS DUTY,  
S.F. 1.15 230/460V 60HZ

### TYPICAL PERFORMANCE

( 230 V )

HP	FULL LOAD RPM	FRAME SIZE	EFFICIENCY(%)			POWER FACTOR(%)			CURRENT			TORQUE				ROTOR WK <sup>2</sup> lb-ft <sup>2</sup>	NEMA CODE LETTER	USED AT			
			FULL LOAD NOM.	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD (A)	208V USABLE ON-A	LOCKED ROTOR (A)	FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			50Hz			
																		MIN.	HP	RPM	ON-A
0.25	1735	56	72.0	68.0	70.0	63.5	73.0	63.5	51.0	0.89	0.98	6.0	0.757	240	220	340	0.028	L	0.25	1410	1.10
	1145	56	70.0	66.0	66.5	59.0	61.0	52.0	40.0	1.10	1.21	6.0	1.146	270	260	355	0.042	L		925	1.21
0.33	3460	56	71.5	67.5	69.5	64.0	80.5	73.5	62.0	1.08	1.20	7.0	0.506	245	240	315	0.017	K		2790	1.28
	1735	56	75.5	72.0	74.0	69.0	74.5	64.5	51.0	1.11	1.23	7.0	1.009	235	225	330	0.033	K	0.33	1405	1.33
	1145	56	72.0	68.0	68.5	62.0	61.0	52.0	40.0	1.42	1.57	7.0	1.529	265	255	345	0.047	K		920	1.54
0.50	3445	56	73.4	69.7	71.5	67.0	81.5	74.0	62.0	1.57	1.73	10.0	0.762	215	210	290	0.017	J		2780	1.86
	1725	56	78.2	75.0	77.0	73.5	81.0	73.0	60.0	1.48	1.63	10.0	1.522	270	240	305	0.044	J	0.50	1380	1.93
	1145	56	75.5	72.0	73.5	68.0	63.0	53.0	40.5	1.97	2.18	12.0	2.293	305	295	380	0.075	L		925	2.31
0.75	3425	56	76.8	73.4	75.0	70.5	80.0	72.0	60.0	2.29	2.53	16.0	1.150	330	290	355	0.020	K		2758	2.68
	1730	56	81.1	78.2	80.0	76.0	77.5	69.0	55.5	2.23	2.47	18.0	2.276	380	350	390	0.042	L	0.75	1410	2.77
	1150	56	81.7	79.0	81.5	77.0	67.5	59.0	51.0	2.55	2.82	16.0	3.424	230	205	285	0.105	K		925	2.95
1.0	3420	56	77.0	74.0	76.5	71.5	79.5	71.0	57.5	3.06	3.38	22.0	1.535	295	290	380	0.022	K		2725	3.60
	1750	56	85.5	82.5	85.0	82.0	75.5	67.0	54.0	2.90	3.21	30.0	3.000	365	310	410	0.100	N	1.0	1435	3.33
	1150	56	82.5	80.0	82.0	79.0	66.0	57.0	44.0	3.44	3.80	30.0	4.566	260	240	320	0.122	N		930	3.98
1.5	3510	56	85.5	82.5	85.5	83.0	83.0	76.5	64.0	3.96	4.38	40.0	2.244	400	310	450	0.059	M		2875	4.60
	1740	56	86.5	84.0	86.0	84.0	80.5	73.5	61.0	0.00	0.00	40.0	4.526	295	220	335	0.115	M	1.5	1410	4.85
2.0	3505	56	86.5	84.0	86.0	84.0	85.0	79.0	67.0	5.09	5.63	50.0	2.996	340	280	430	0.068	L		2870	6.06
	1740	56	86.5	84.0	86.0	84.0	79.0	71.0	58.0	5.48	6.06	50.0	6.035	390	310	390	0.143	L	2.0	1420	6.50
3.0	3480	56	86.5	84.0	87.5	87.0	89.0	85.0	75.5	7.30	8.07	64.0	4.526	330	245	370	0.088	L	3.0	2810	9.06

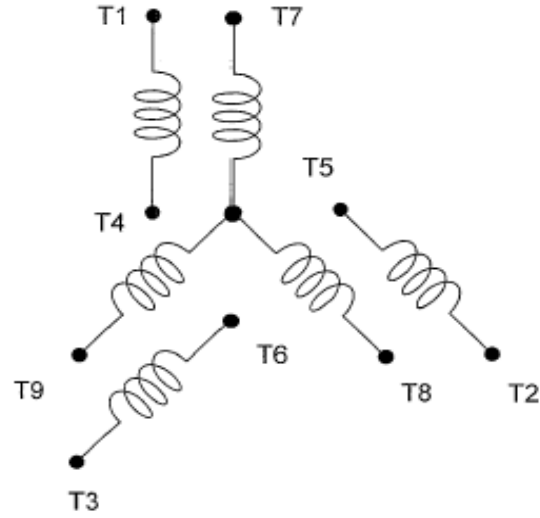
- NOTE :
1. Breakdown & locked rotor torques are shown as average expected values.
  2. Efficiency, power factor, speed and torque are the same for other voltages.  
Current values vary inversely with voltage.
  3. Tolerance According to NEMA MG1-12 & IEC 60034-1.
  4. Data subject to change without notice.



DATE:  
April 28, 2009

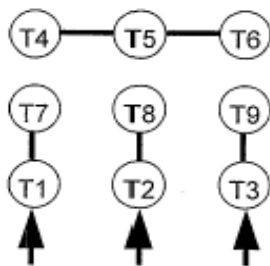
# CONNECTION DIAGRAM

GHV0/24C

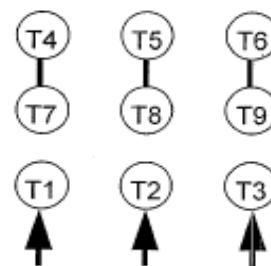


**SCHEMATIC - 2Y/Y CONNECTION**

## ACROSS THE LINE CONNECTION



**LINE  
230 VOLT CONNECTION**



**LINE  
460 VOLT CONNECTION**