

DATE  
OCTOBER 29, 2009

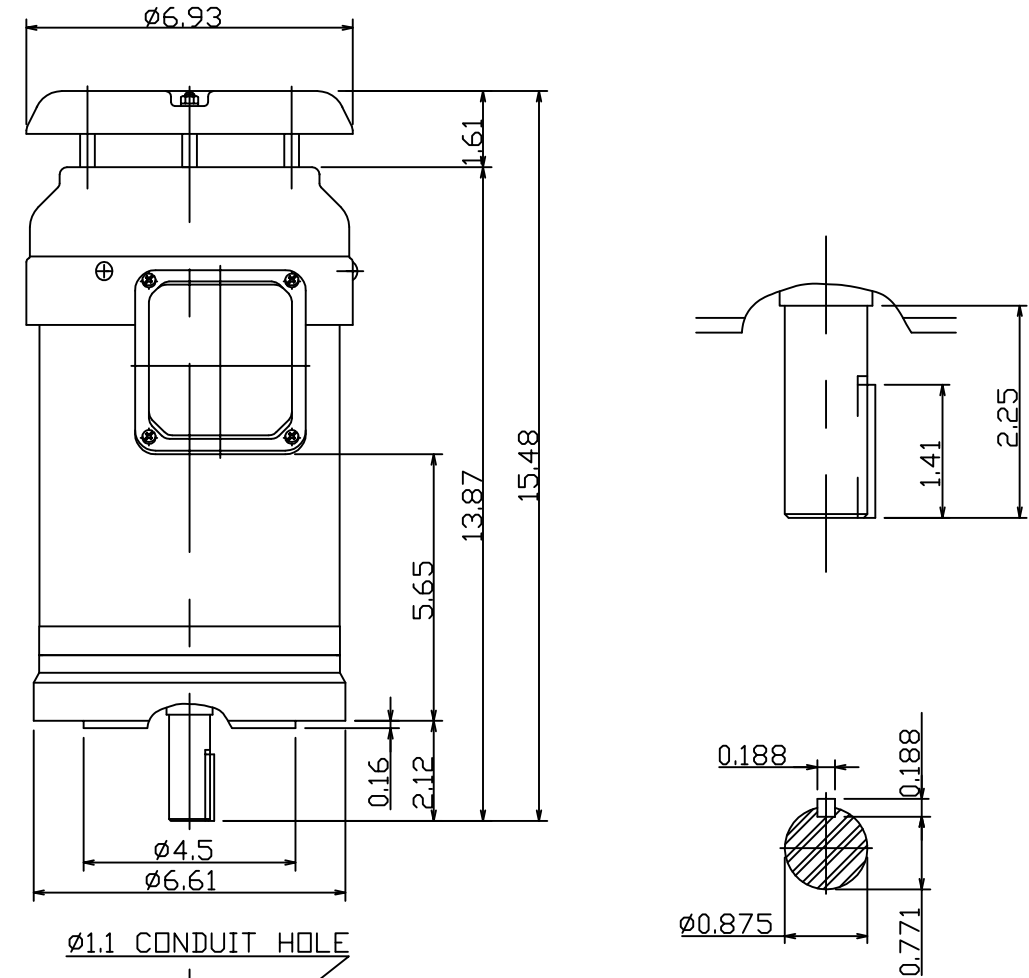
OUTLINE DIMENSIONS  
3-PHASE INDUCTION MOTOR

MOTOR TYPE:  
AETHCF  
FRAME NO. 143TC

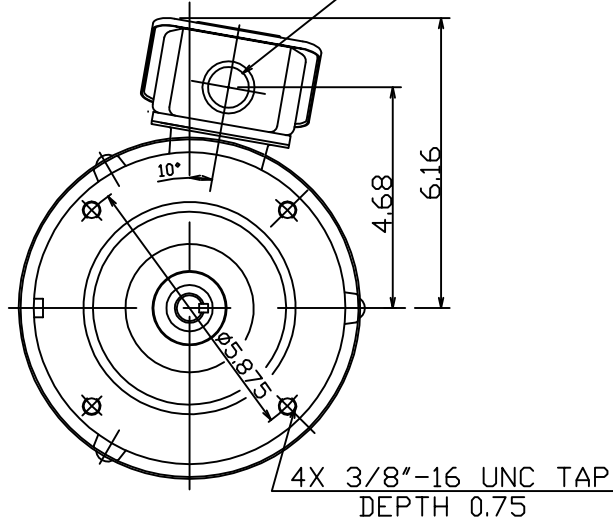
CAT. #: GPV1/52C

Pole	HP	kW	Hz	VOLT	Syn.Speed r/min(rpm)
2	1.5	1.12	60	230/460	3600

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inch.	33 lbs.	DE: 6205ZZ NDE: 6204ZZ



$\phi 1.1$  CONDUIT HOLE



09.24.09 防雨蓋尺寸變更 陳奕元

DWN.	Y.Y.CHEN	09-22-09
CHKD.	C.Y.CHEN	09-24-09
APPD.	M.C.TSAI	09-24-09



DWG NO.  
31049Z107741

# TECO Westinghouse

ISSUED <b>10/29/09</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AETHCF</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>GPV1/52C</b>

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>1.5</b>	<b>1.12</b>	<b>2</b>	<b>143TC</b>	<b>230/460</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>B</b>	<b>CONT.</b>	<b>1.15</b>

### TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			MAXIMUM POWER FACTOR CORRECTION
	FULL LOAD		3/4 LOAD	1/2 LOAD	F. L.	3/4 LOAD	1/2 LOAD	
	MIN. %	NOM. %						
<b>3505</b>	<b>81.5</b>	<b>84.0</b>	<b>83.0</b>	<b>80.0</b>	<b>87.5</b>	<b>82.0</b>	<b>71.0</b>	<b>0.64 KVAR</b>

### CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT	AT	AT	AT	AT	AT	AT	AT	AT	
208 VOLT	230 VOLT	460 VOLT	208 VOLT	230 VOLT	460 VOLT	208 VOLT	230 VOLT	460 VOLT	
<b>2.10</b>	<b>1.90</b>	<b>0.95</b>	<b>4.22</b>	<b>3.82</b>	<b>1.91</b>	<b>44.23</b>	<b>40.00</b>	<b>20.00</b>	<b>M</b>

### TORQUE

### INERTIA

### ACCEL TIME

FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR <sup>2</sup> lb-ft <sup>2</sup>	NEMA LOAD WK <sup>2</sup> lb-ft <sup>2</sup>	MAX ALLOWABLE WK <sup>2</sup> lb-ft <sup>2</sup>	NEMA LOAD WK <sup>2</sup> Sec	MAX ALLOWABLE WK <sup>2</sup> Sec
<b>2.25</b>	<b>200</b>	<b>200</b>	<b>350</b>	<b>0.055</b>	<b>1.8</b>	<b>5.4</b>	<b>3.63</b>	<b>10.68</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

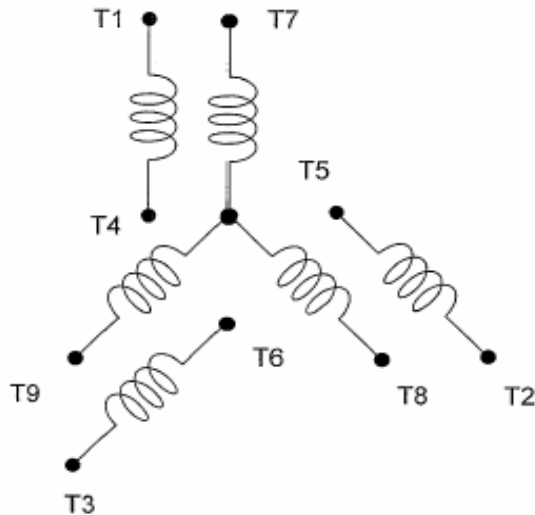
COLD	HOT	COLD	HOT	62
<b>17</b>	<b>12</b>	<b>2</b>	<b>1</b>	

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057GPV1/52C</b>	REVISION <b>0</b>
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DATE:  
October 29, 2009

# CONNECTION DIAGRAM

CATALOG NO.:  
GPV1/52C

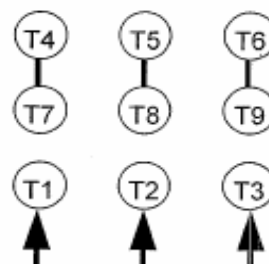


**SCHEMATIC - 2Y/Y CONNECTION**

## ACROSS THE LINE CONNECTION



**LINE  
230 VOLT CONNECTION**



**LINE  
460 VOLT CONNECTION**