

DATE
JUNE 21, 2005
CATALOG NO.
EP7/545

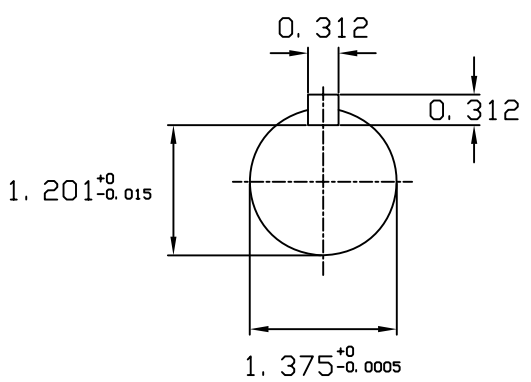
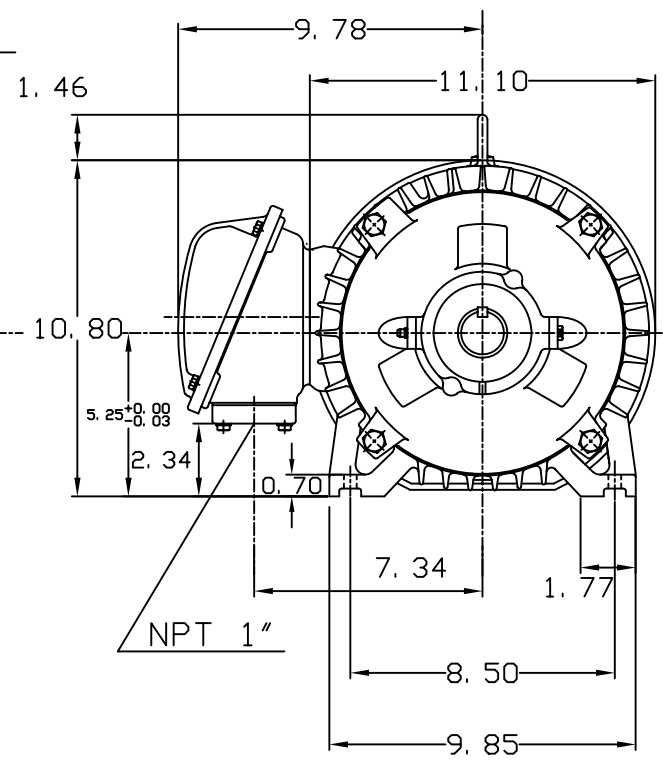
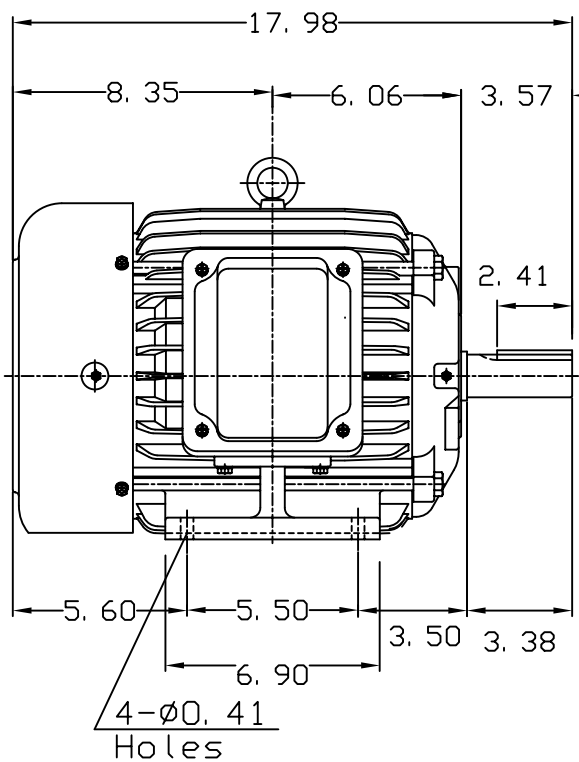
OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEHH8N
FRAME NO. 213T

Pole	HP	KW	Hz	VOLT	Syn. Speed RPM
4	7.5	5.6	60	575	1800

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inches	167 lbs.	DE: 6308ZZ NDE: 6306ZZ

Totally Enclosed Fan Cooled Squirrel Cage Rotor.



① 10.30.00 J. H. LIANG

DWN.	J. H. LIANG	11-30-98
CHKD.	C. S. LO	12-29-98
APPD.	Y. B. HUANG	12-29-98



DWG NO.
31057H355004

TECO Westinghouse

ISSUED March 6, 2006	PERFORMANCE DATA	ENCLOSURE TEFC
TYPE AEHH8N	3-PHASE INDUCTION MOTOR	CATALOG# EP7/545

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
7.5	5.6	4	213T	575	60	40°C	F	C	CONT.	1.15

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. %	%	%	%	%	%	
1755	90.2	91.7	91	89.5	86.5	82	72	2 KVAR

CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT	AT	AT	AT	AT	AT	AT	AT	AT	
VOLT	575 VOLT	VOLT	VOLT	575 VOLT	VOLT	VOLT	575 VOLT	VOLT	
	2.22			7.08			51.20		H

TORQUE

INERTIA

ACCEL TIME

FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² lb-ft ²	NEMA LOAD WK ² lb-ft ²	MAX ALLOWABLE WK ² lb-ft ²	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec
22.44	250	155	270	0.848	39	110	4.31	11.98

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	60
29	20	2	1	

APPROVED:	M. PRATER	DRAWING NO.	31057EP7/545	REVISION 0
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DATE:
July 7, 2005

CONNECTION DIAGRAM

CATALOG NO.:
EP7_545



SCHEMATIC - Y CONNECTION

ACROSS THE LINE CONNECTION



575 VOLT CONNECTION