

DATE
June 30, 2017

Cat. #: JPP0152

OUTLINE DIMENSIONS

3-PHASE INDUCTION MOTOR

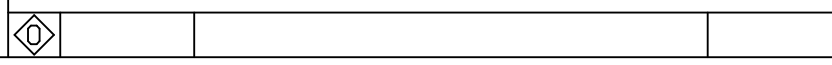
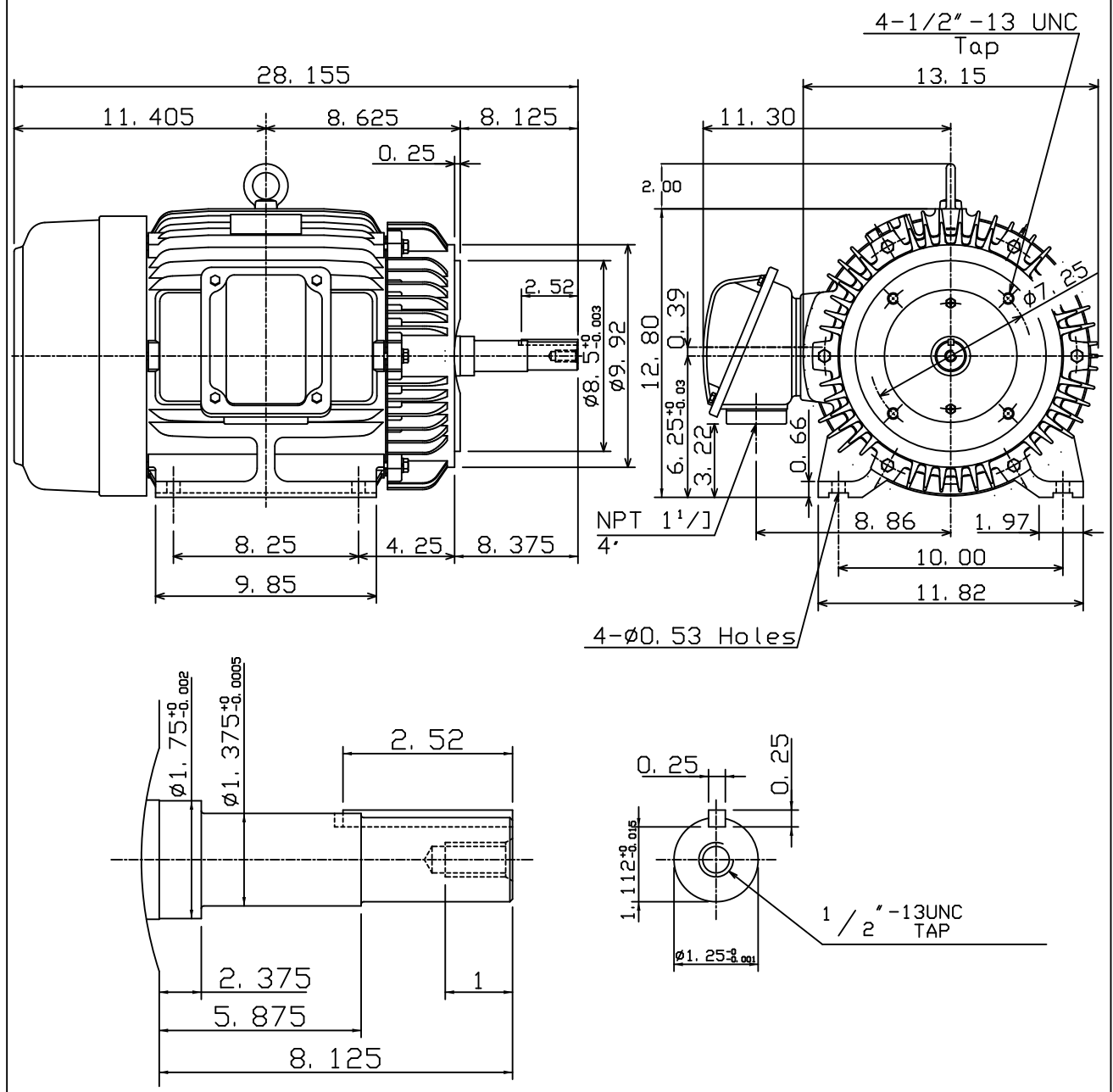
MOTOR TYPE:
AEHH8NJP

FRAME NO. 254JP

Pole	HP	kW	Hz	VOLT	Syn. Speed r/min(rpm)
2	15	11.2	60	230/460	3600

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inch	270 lbs.	DE: 6309ZZ NDE: 6307ZZ

Totally Enclosed Fan Cooled Squirrel Cage Rotor.



DWN.	K. L. KUO	02-13-08
CHKD.	K. L. KUO	02-14-08
APPD.	M. C. TSAI	02-14-08



DWG NO.
31057H255810

TECO Westinghouse

ISSUED 2/3/2017	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8NJP		CATALOG# JPP0152

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
15	11.2	2	254T	230/460	60	40°C	F	B	CONT.	1.15

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE				OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)				
HZ	HP	RPM	TORQUE (lb-ft)	R1	R2	X1	X2	X _m
3~60	0.0019~15	180~3600	0.055~22.34	0.3144	0.3797	1.1823	1.8437	70.172

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	1.5~15	360~3600	22.34	60~90	15	3600~5400	22.34~14.89

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR			SOUND PRESSURE LEVEL @ 3 FT Db(A)
	FULL LOAD		3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	
	MIN.%	NOM.%						
3525	91	92.4	92.4	91.7	91.5	90.5	86	73

CURRENTS									NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD			FULL LOAD			LOCKED ROTOR				COLD	HOT
AT 208 VOLT	AT 230 VOLT	AT 460 VOLT	AT 208 VOLT	AT 230 VOLT	AT 460 VOLT	AT 208 VOLT	AT 230 VOLT	AT 460 VOLT			
6.24	7.44	3.72	36.70	33.20	16.60	209.8	232.0	116	G	17	12

TORQUE				INERTIA			ACCEL TIME (DOL)		ALLOWABLE STARTS PER HOUR	
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	COLD	HOT
22.34	210	180	270	1.088	16	41	3.95	9.73	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057JPP0152	REVISION:	1
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