

DATE
Nov. 1, 2016
Cat. #: JMP0254

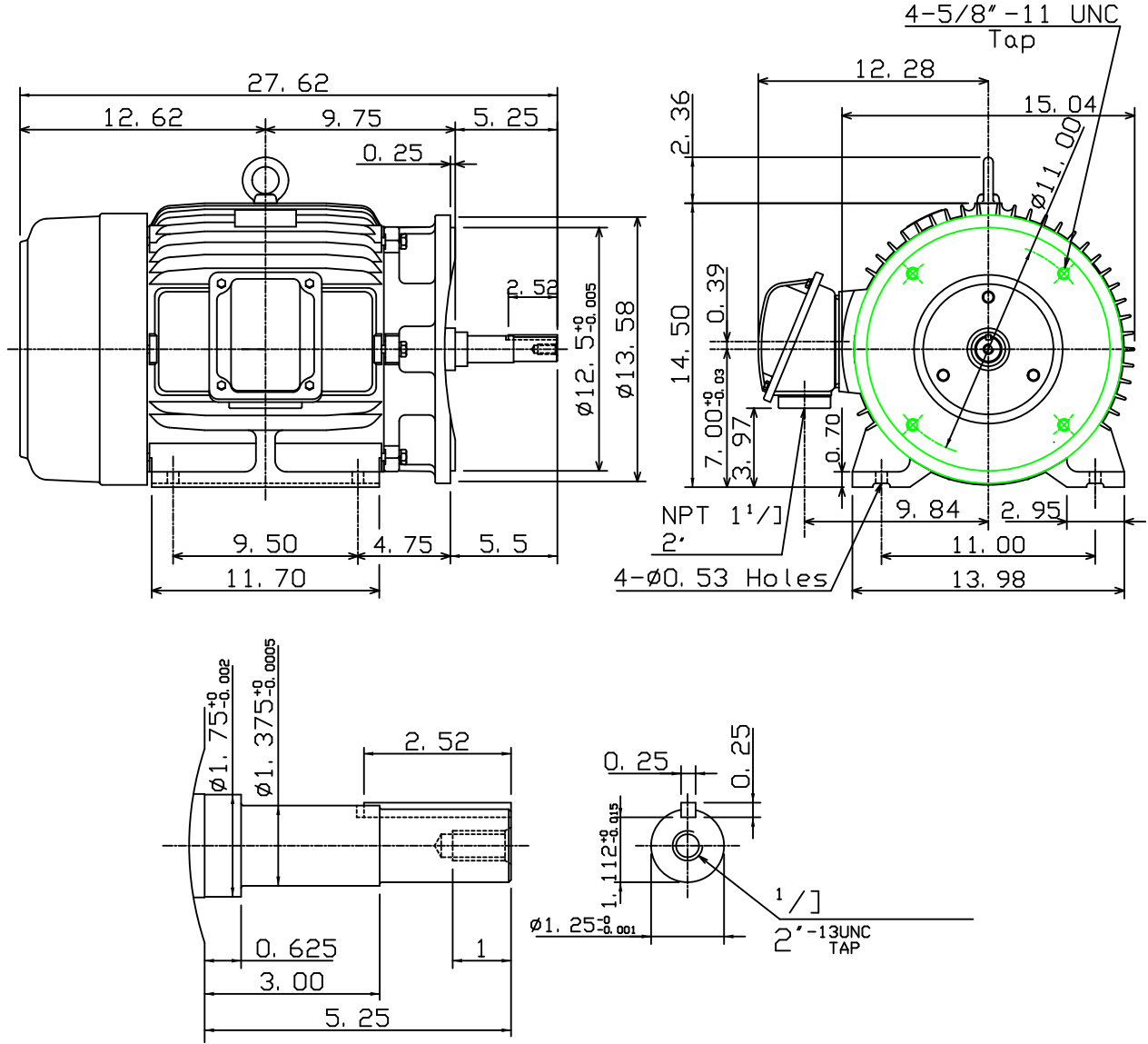
OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEHH8NJMP
FRAME NO. 284JM

Pole	HP	kW	Hz	VOLT	Syn. Speed r/min(rpm)
4	25	18.65	60	230/460	1800

Ins	Rating	Dimension in	Approx Weight	Bearings
F	CONT.	inches	420 lbs.	DE: 6311ZZ NDE: 6310ZZ

Totally Enclosed Fan-Cooled Type, 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.
31057H206840

TECO Westinghouse

ISSUED 11/2/2016	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8NJMP		CATALOG# JMP0254

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
25	18.7	4	284JM	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	0.0032~25	90~1800	0.187~74.37	0.1408	0.271	0.8469	1.3283	43.804

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	2.5~25	180~1800	74.37	60~90	25	1800~2700	74.37~49.58

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.%						
1765	92.4	93.6	93.6	93.6	86	83	77	68

CURRENTS									NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD			FULL LOAD			LOCKED ROTOR				COLD	HOT
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	G	28	20
14.20	14.28	7.14	64.30	58.20	29.10	331.0	366.0	183			

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
74.37	205	165	240	4.586	122	255	4.76	9.76	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057JMP0254	REVISION:	1
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DATE:
June 28, 2005

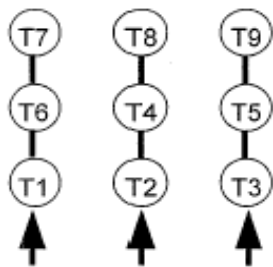
CONNECTION DIAGRAM

CATALOG NO.:
JMP0254

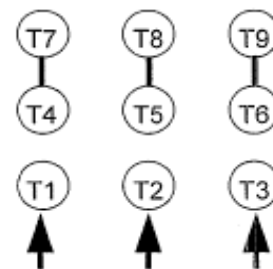


SCHEMATIC - 2Δ / Δ CONNECTION

ACROSS THE LINE CONNECTION



**LINE
230 VOLT CONNECTION**



**LINE
460 VOLT CONNECTION**