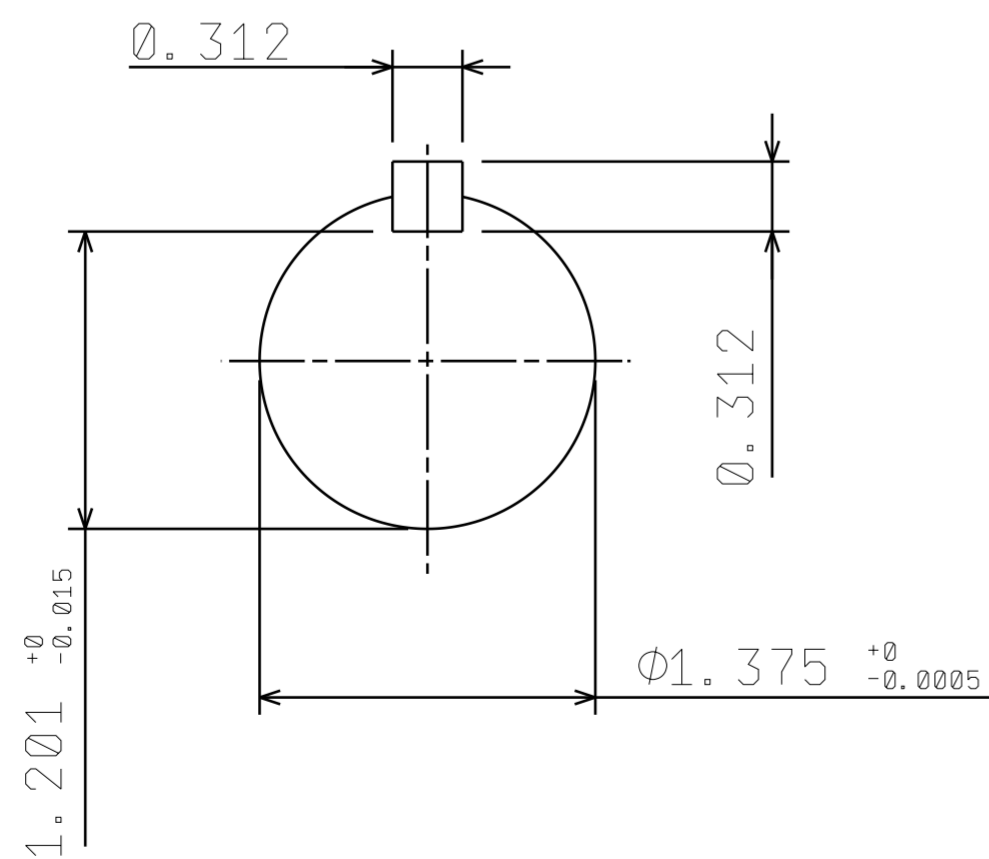
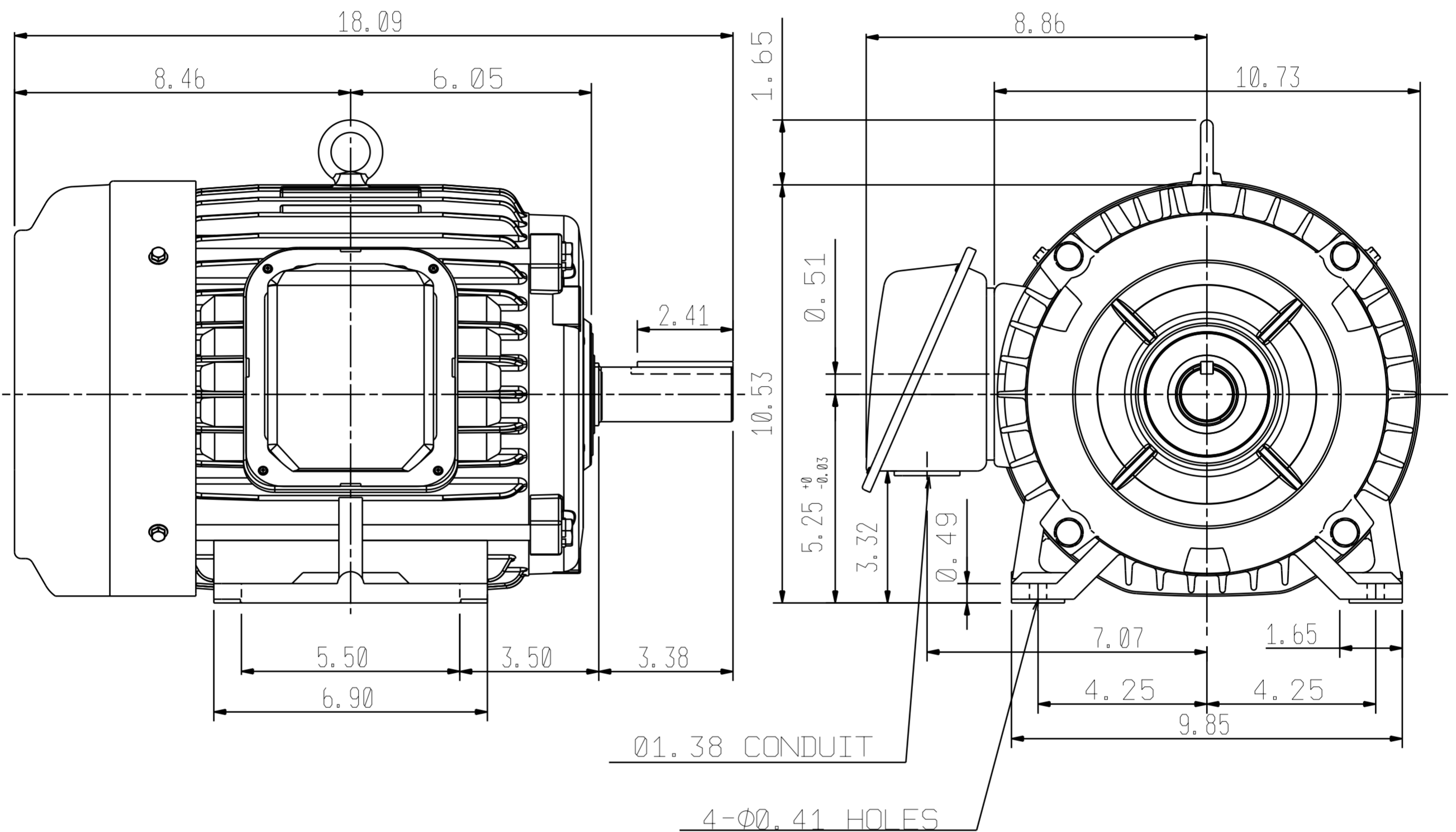


DATE MARCH. 4, 2020	OUTLINE DIMENSIONS 3-PHASE INDUCTION MOTOR	MOTOR TYPE: AEHH8P
CAT. #: NP7/52		FRAME NO. 213T

Pole	HP	kW	Hz	VOLT	r/min(rpm)
2	7.5	5.5	60	230/460	3600
Ins	Rating	Dimension in	Approx Weight	Bearings	
F	CONT.	Inch	141 lbs	DE: 6308ZZ NDE: 6306ZZ	

Totally Enclosed Fan-Cooled Type. Squirrel-Cage Rotor.



①	07 19 19	Modified Dimensions	J. F. CHAN
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DWG.	W. F. PON	07 •15 19	TECO Westinghouse	DWG NO.	31049R343081
CHKD.	M. C. JENG	07 •16 19			
APPD.	M. C. JENG	07 •16 19			

TECO Westinghouse

ISSUED 4/9/2020	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHH8P		CATALOG# NP7/52

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
7.5	5.6	2	213T	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	0.001~7.5	180~3600	0.029~11.22	0.4946	0.7508	2.2045	4.2561	101.99

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	.75~7.5	360~3600	11.22	60~90	7.5	3600~5400	11.22~7.480

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.%						
3510	89.5	91	91	90.2	87	85	78	70

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			
4.72	5.10	2.55	19.60	17.74	8.87	115.8	128.0	64	H	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
11.22	200	175	275	0.448	8.3	19	4.02	8.94	2	1

APPROVED:	M. PRATER	DRAWING NO.	31057NP7/52	REVISION:	1
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DATE:
December 6, 2010

CONNECTION DIAGRAM

CATALOG NO.:
NP7/52



SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION



LINE
230 VOLT CONNECTION



LINE
460 VOLT CONNECTION

***CONTACT TWMC IF YOU HAVE ANY QUESTIONS
REGARDING THE MOTOR CONNECTION.**

PH: 1-800-873-8326