TECO Westinghouse

ISSUED		ENCLOSURE
8/29/2014	**PERFORMANCE DATA**	TEFC
TYPE	**3-PHASE INDUCTION MOTOR**	CATALOG#
AEHH		HH0606

NAMEPLATE INFORMATION

OUTPUT HP	OUTPUT KW	POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
60	**44.8**	**6**	**404T**	**460**	**60**	**40°C**	**F**	**B**	**CONT.**	**1.15**

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE			
HZ	HP	RPM	TORQUE (lb-ft)
3~60	**0.0075~60**	**60~1200**	**0.656~267**

OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)

R1	R2	X1	X2	X_m
0.0512	**0.1014**	**0.3354**	**0.5604**	**14.33**

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
6~60	**6~60**	**120~1200**	**267**	**60~90**	**60**	**1200~1800**	**267~178**

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.%						
1180	**93.6**	**94.5**	**94.5**	**94.1**	**87**	**86.5**	**80.5**	**78**

CURRENTS			NEMA KVA CODE LETTER	SAFE STALL TIME IN SECONDS	
NO LOAD	FULL LOAD	LOCKED ROTOR			
AT 460 VOLT	AT 460 VOLT	AT 460 VOLT		COLD	HOT
18.1	**68.30**	**435**	**G**	**34**	**24**

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 ($lb\text{-}ft^2$)	NEMA LOAD WK^2 ($lb\text{-}ft^2$)	MAX ALLOWABLE WK^2 ($lb\text{-}ft^2$)	NEMA LOAD WK^2 Sec	MAX ALLOWABLE WK^2 Sec	COLD	HOT
267.00	**200**	**185**	**245**	**33.54**	**735**	**1828**	**5.36**	**12.98**	**2**	**1**

APPROVED:	M. PRATER	DRAWING NO.	31057HH0606	REVISION:	1