

TECO Westinghouse

ISSUED August 25, 2017	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHCNH		CATALOG# VHKTP3006

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
300	224	6	5009	2300/4000	60	40°C	F	B	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. %						
1188	94.1	95.0	94.9	94.5	82.3	77.3	66.6	131 KVAR

CURRENTS						NEMA KVA CODE LETTER
NO LOAD		FULL LOAD		LOCKED ROTOR		
AT 2300 VOLT	AT 4000 VOLT	AT 2300 VOLT	AT 4000 VOLT	AT 2300 VOLT	AT 4000 VOLT	
32.8	18.9	72.0	41.4	474	272	

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
1320	90	80	210	177	3239	5830	6.58	11.57

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
22	19	2	1	

APPROVED:	M. PRATER	DRAWING NO.	31059VHKTP3006	REV. 0
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