

TECO Westinghouse

ISSUED August 25, 2017	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE AEHCEC		CATALOG# VSKTP5006

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
500	373	6	5810	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. %						
1190	95.0	95.8	95.7	95.1	81.5	76.9	66.6	158 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	
39.6	22.8	118.8	68.3	791	455	

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
2200	90	80	210	399	5126	9227	6.40	11.15

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
17	14	2	1	

APPROVED:	M. PRATER	DRAWING NO.	31059VSKTP5006	REV. 0
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