TECO Westinghouse

ISSUED		ENCLOSURE
December 15, 2016	**PERFORMANCE DATA**	TEFC
TYPE	**3-PHASE INDUCTION MOTOR**	CATALOG#
AFHGTK		KF5002

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
500	450	2	5011A	4160/2300	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. %	%	%	%	%	%	
3581	95.1	95.8	95.6	94.9	89.2	87.5	81.8	0 KVAR

CURRENTS						NEMA KVA CODE LETTER
		FULL LOAD		LOCKED ROTOR		
		AT 2300 VOLT	AT 4160 VOLT	AT 2300 VOLT	AT 4160 VOLT	
		110	61	824	511	J

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
733.00	119	106	250	216	381	571.5	5.22	6.89

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
11	16	2	1	85

APPROVED:	M. PRATER	DRAWING NO.	31057KF5002	REV. 0