

TECO Westinghouse

ISSUED January 23, 2014	PERFORMANCE DATA	ENCLOSURE TEFC
TYPE AEHGK	3-PHASE INDUCTION MOTOR	CATALOG# KG3002T

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
300	224	2	449TS	2300/4160	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. %						
3575	94.1	95	94.6	93.6	90.4	89.6	84.7	56 KVAR

CURRENTS

NO LOAD		FULL LOAD		LOCKED ROTOR		NEMA KVA CODE LETTER
AT	AT	AT	AT	AT	AT	
2300 VOLT	4160 VOLT	2300 VOLT	4160 VOLT	2300 VOLT	4160 VOLT	
14.0	7.74	65.4	36.2	506	280	H

TORQUE

INERTIA

ACCEL TIME

FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR	NEMA LOAD	MAX ALLOWABLE	NEMA LOAD	MAX ALLOWABLE
				WR ² lb-ft ²	WK ² lb-ft ²	WK ² lb-ft ²	WK ² Sec	WK ² Sec
440	125	113	230	45	246	369	4.43	6.30

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
28	25	2	1	85

APPROVED:

M. PRATER

DRAWING NO.

3A057KG3002T

REV. **1**