

TECO Westinghouse

ISSUED 11/1/2018	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE WPI
TYPE AMRKNH		CATALOG# VHKP4006

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTS	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
400	298	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	FULL LOAD	3/4 LOAD	1/2 LOAD	
	MIN%	NOM%	%	%	%	%	%	
1184	94.1	95.0	94.7	94.0	75.4	69.2	57.6	183.2 KVAR

CURRENTS

NO LOAD		FULL LOAD		LOCKED ROTOR		NEMA KVA CODE LETTER
AT	AT	AT	AT	AT	AT	
2300 VOLT	4000 VOLT	2300 VOLT	4000 VOLT	2300 VOLT	4000 VOLT	
46.0	26.5	99.0	56.9	633.0	364.0	G

TORQUE

INERTIA

ACCEL TIME

FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	ROTOR	NEMA LOAD	MAX ALLOWABLE	NEMA LOAD	MAX ALLOWABLE
lb-ft	%FLT	%FLT	%FLT	WR ² lb-ft ²	WK ² lb-ft ²	WK ² lb-ft ²	WK ² Sec.	WK ² Sec.
1770	120	110	190	159	4199	7558	6.2	11.1

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
12	9	2	1	80

APPROVED:	K. Lo	DRAWING NO.	3A057VHKP4006	REV.
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