

TECO Westinghouse

ISSUED 11/1/2018	PERFORMANCE DATA	ENCLOSURE WPI
TYPE AMRKNH	3-PHASE INDUCTION MOTOR	CATALOG# VHKP4506

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTS	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
450	336	6	5806	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%	%	%	%	%	%	
1187	94.1	95.0	94.9	94.2	80.1	75.1	64.3	182.4 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	
45.8	26.3	111.0	63.8	712.0	409.4	G

TORQUE

INERTIA

ACCEL TIME

FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	ROTOR WR ²	NEMA LOAD WK ²	MAX ALLOWABLE WK ²	NEMA LOAD WK ²	MAX ALLOWABLE WK ²
lb-ft	%FLT	%FLT	%FLT	lb-ft ²	lb-ft ²	lb-ft ²	Sec.	Sec.
1990	90	80	190	253	4666	8399	6.7	11.8

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
15	12	2	1	80

APPROVED:	K. Lo	DRAWING NO.	3A057VHKP4506	REV.
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