

TECO Westinghouse

ISSUED 11/1/2018	PERFORMANCE DATA	ENCLOSURE WPI
TYPE AMRKNH	3-PHASE INDUCTION MOTOR	CATALOG# VHKP7004

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTS	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
700	522	4	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	FULL LOAD	3/4 LOAD	1/2 LOAD	
	MIN%	NOM%	%	%	%	%	%	
1786	94.5	95.4	95.2	94.3	85.9	82.5	74.0	198.4 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	
49.8	28.6	161.0	92.6	1108.0	637.1	G

TORQUE

INERTIA

ACCEL TIME

FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN	ROTOR	NEMA	MAX	NEMA	MAX
lb-ft	%FLT	%FLT	%FLT	WR ²	LOAD	ALLOWABLE	LOAD	ALLOWABLE
				lb-ft ²	WK ²	WK ²	WK ²	WK ²
					lb-ft ²	lb-ft ²	Sec.	Sec.
2050	90	80	200	268	2514	4022	5.4	8.3

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

APPROVED:	K. Lo	DRAWING NO.	3A057VHKP7004	REV.
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