

TECO Westinghouse

ISSUED 11/1/2018	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE WPI
TYPE AMRKNH		CATALOG# VHKP1004

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTS	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
100	75	4	447	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%						
1782	92.5	93.7	92.7	91.7	83.0	78.1	67.8	31.5 KVAR

CURRENTS

NO LOAD		FULL LOAD		LOCKED ROTOR		NEMA KVA CODE LETTER
AT 2300 VOLT	AT 4000 VOLT	AT 2300 VOLT	AT 4000 VOLT	AT 2300 VOLT	AT 4000 VOLT	
7.9	4.5	25.0	14.4	159.0	91.4	

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.
290	110	100	210	45	441	706	6.1	9.5

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
28	25	2	1	80

APPROVED:	K. Lo	DRAWING NO.	3A057VHKP1004	REV.
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