

TECO Westinghouse

ISSUED February 8, 2013	PERFORMANCE DATA	ENCLOSURE WP1
TYPE AMRCHN	3-PHASE INDUCTION MOTOR	CATALOG# VHP1004

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
100	74.6	4	404TP	230/460	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. %						
1780	94.5	95.4	95.8	95.4	85.5	83.5	76.0	28.8 KVAR

CURRENTS

NO LOAD				FULL LOAD				LOCKED ROTOR		NEMA KVA CODE LETTER
AT		AT		AT		AT		AT		
230 VOLT		460 VOLT		230 VOLT	460 VOLT	230 VOLT	460 VOLT	230 VOLT	460 VOLT	
72.40		36.20		229.6	114.8	1450.0	725.0			G

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
294.95	220	165	210	20.62	441	669	4.64	6.93

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

DOWNTHRUST L10:8800 HOURS

COLD
17

HOT
12

COLD
2

HOT
1

76.1

7900

APPROVED:

M. PRATER

DRAWING NO.

31057VHP1004

REVISION **0**