

TECO Westinghouse

ISSUED February 8, 2013	PERFORMANCE DATA	ENCLOSURE WP1
TYPE AMRCHN		CATALOG# VHP0204
3-PHASE INDUCTION MOTOR		

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
20	14.9	4	256TP	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. %						
1770	91.7	93.0	93.0	93.0	83.0	79.0	69.0	6.6 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	
16.50		8.25		48.5	24.3			290.0	145.0	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
59.32	160	120	240	2.17	99	161	5.16	8.32

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

72.4

3350

APPROVED:

M. PRATER

DRAWING NO.

31057VHP0204

REVISION **0**