

TECO Westinghouse

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

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 230 VOLT		AT 460 VOLT		AT 230 VOLT	AT 460 VOLT		AT 230 VOLT	AT 460 VOLT	
	16.50		8.25		48.5	24.3		290.0	145.0	

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

HOT

COLD

HOT

17

12

2

1

72.4

3350

APPROVED:

M. PRATER

DRAWING NO.

31057VHP0204

REVISION **0**