

TECO Westinghouse

ISSUED February 8, 2013	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE WP1
TYPE AMRCHN		CATALOG# VHP0304

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
30	22.4	4	286TP	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	93.0	94.1	94.0	94.0	86.0	82.5	74.5	7.9 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	
	19.80		9.90		69.4	34.7		435.0	217.5	

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
88.99	230	175	245	4.40	144	202	4.44	6.18

SAFE STALL
TIME IN
SECONDS

ALLOWABLE
STARTS
PER HOUR

SOUND
PRESSURE
LEVEL @ 3 FT
dB(A)

DOWNTHRUST
L10:8800 HOURS

COLD

HOT

COLD

HOT

72.4

3350

17

12

2

1

APPROVED:

M. PRATER

DRAWING NO.

31057VHP0304

REVISION **0**