

# TECO Westinghouse

ISSUED <b>February 8, 2013</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>WP1</b>
TYPE <b>AMRCHN</b>		CATALOG# <b>VHP0404</b>
<b>3-PHASE INDUCTION MOTOR</b>		

### NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>40</b>	<b>29.8</b>	<b>4</b>	<b>324TP</b>	<b>230/460</b>	<b>60</b>	<b>40°C</b>	<b>F</b>	<b>B</b>	<b>CONT.</b>	<b>1.15</b>

### 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. %						
<b>1770</b>	<b>93.0</b>	<b>94.1</b>	<b>94.5</b>	<b>94.1</b>	<b>86.0</b>	<b>84.5</b>	<b>78.5</b>	<b>10.0 KVAR</b>

### 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	
<b>25.00</b>		<b>12.50</b>		<b>92.6</b>		<b>46.3</b>		<b>580.0</b>	<b>290.0</b>	

### TORQUE

### INERTIA

### ACCEL TIME

FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR <sup>2</sup> lb-ft <sup>2</sup>	NEMA LOAD WK <sup>2</sup> lb-ft <sup>2</sup>	MAX ALLOWABLE WK <sup>2</sup> lb-ft <sup>2</sup>	NEMA LOAD WK <sup>2</sup> Sec	MAX ALLOWABLE WK <sup>2</sup> Sec
<b>118.65</b>	<b>220</b>	<b>165</b>	<b>215</b>	<b>6.86</b>	<b>189</b>	<b>264</b>	<b>4.80</b>	<b>6.64</b>

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**

**5700**

APPROVED:

**M. PRATER**

DRAWING NO.

**31057VHP0404**

REVISION **0**