

# TECO Westinghouse

ISSUED <b>September 26, 2005</b>	<b>PERFORMANCE DATA</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEVANE</b>	<b>3-PHASE INDUCTION MOTOR</b>	CATALOG# <b>NV0402C-50</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>2</b>	<b>324TSC</b>	<b>190/380</b>	<b>50</b>	<b>40°C</b>	<b>F</b>	<b>B</b>	<b>CONT.</b>	<b>1</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>2935</b>	<b>89.5</b>	<b>91</b>	<b>91.7</b>	<b>91.7</b>	<b>90</b>	<b>90</b>	<b>88.5</b>	<b>6.2 KVAR</b>

### CURRENTS

NO LOAD		FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER	
AT		AT	AT	AT	AT	AT			
190 VOLT		380 VOLT	190 VOLT	380 VOLT	190 VOLT	380 VOLT			
<b>15.68</b>		<b>7.84</b>	<b>110.80</b>		<b>55.40</b>	<b>774.00</b>		<b>387.00</b>	<b>H</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>71.55</b>	<b>125</b>	<b>105</b>	<b>200</b>	<b>3.411</b>	<b>61.9042</b>	<b>122.86</b>	<b>5.49</b>	<b>10.62</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	
<b>17</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>93</b>

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057N0402</b>	REVISION <b>0</b>
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