

# TECO Westinghouse

ISSUED <b>September 26, 2005</b>	<b>PERFORMANCE DATA</b> <b>3-PHASE INDUCTION MOTOR</b>	ENCLOSURE <b>TEFC</b>
TYPE <b>AEVANE</b>		CATALOG# <b>NV0052C-50</b>

## NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
<b>5</b>	<b>3.7</b>	<b>2</b>	<b>184TC</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. %	%	%	%	%	%	
2805	82.5	85.5	87.5	89.5	92.5	92	88	1.2 KVAR

## CURRENTS

NO LOAD			FULL LOAD			LOCKED ROTOR			NEMA KVA CODE LETTER
AT 190 VOLT		AT 380 VOLT	AT 190 VOLT		AT 380 VOLT	AT 190 VOLT		AT 380 VOLT	
<b>2.94</b>		<b>1.47</b>	<b>14.34</b>		<b>7.17</b>	<b>122.00</b>		<b>61.00</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>9.36</b>	<b>205</b>	<b>175</b>	<b>230</b>	<b>0.272</b>	<b>8.81254</b>	<b>17.14</b>	<b>4.42</b>	<b>8.47</b>

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD	HOT	COLD	HOT	79
<b>17</b>	<b>12</b>	<b>2</b>	<b>1</b>	

APPROVED:

**M. PRATER**

DRAWING NO.

**31057N0052**

REVISION **0**