

# TECO Westinghouse

ISSUED <b>January 21, 2004</b>	<b>PERFORMANCE DATA</b>  <b>SINGLE PHASE</b> <b>FARM DUTY MOTORS</b>	ENCLOSURE <b>TEFC</b>  CATALOG# <b>S0104C</b>
TYPE <b>BECSFD</b>		

### NAMEPLATE INFORMATION

OUTPUT		FRAME SIZE	POLES	VOLTAGE	HZ	INSULATION CLASS	RATED AMBIENT	TIME RATING	SERVICE FACTOR
HP	KW								
<b>10</b>	<b>7.5</b>	<b>215T</b>	<b>4</b>	<b>230</b>	<b>60</b>	<b>F</b>	<b>40°C</b>	<b>CONT.</b>	<b>1.15</b>

### TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY			POWER FACTOR		
	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD
	%	%	%	%	%	%
<b>1710</b>	<b>78.5</b>	<b>75.7</b>	<b>69.8</b>	<b>87</b>	<b>84.7</b>	<b>77.5</b>

CURRENTS		
NO LOAD	FULL LOAD	LOCKED ROTOR
<b>22.9</b>	<b>48</b>	<b>275</b>

CAPACITORS			
STARTING		RUNNING	
MFD	VOLTS	MFD	VOLTS
<b>720</b>	<b>330</b>	<b>100</b>	<b>440</b>

TORQUE		
FULL LOAD	LOCKED ROTOR	BREAK DOWN
lb-ft	%FLT	%FLT
<b>31</b>	<b>350</b>	<b>220</b>

INERTIA		
ROTOR	NEMA LOAD	MAX ALLOWABLE
WR <sup>2</sup>	WK <sup>2</sup>	WK <sup>2</sup>
lb-ft <sup>2</sup>	lb-ft <sup>2</sup>	lb-ft <sup>2</sup>
<b>0.89</b>	<b>51</b>	<b>43.3</b>

ACCEL TIME	
NEMA LOAD	MAX ALLOWABLE
WK <sup>2</sup>	WK <sup>2</sup>
Sec	Sec
<b>3.82</b>	<b>3.25</b>

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR	
COLD	HOT	COLD	HOT
<b>8</b>	<b>4</b>	<b>2</b>	<b>1</b>

SOUND PRESSURE LEVEL @ 3 FT dB(A)
<b>66.2</b>

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057S0104C</b>	REVISION <b>0</b>
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