

# 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>
TYPE <b>BECSFD</b>		CATALOG# <b>S7/54</b>

### NAMEPLATE INFORMATION

OUTPUT		FRAME SIZE	POLES	VOLTAGE	HZ	INSULATION CLASS	RATED AMBIENT	TIME RATING	SERVICE FACTOR
HP	KW								
<b>7 1/2</b>	<b>5.6</b>	<b>213T</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 PERMORMANCE

FULL LOAD RPM	EFFICIENCY			POWER FACTOR		
	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD
	%	%	%	%	%	%
<b>1740</b>	<b>80</b>	<b>76.6</b>	<b>70.8</b>	<b>84.5</b>	<b>75.8</b>	<b>66.4</b>

CURRENTS		
NO LOAD	FULL LOAD	LOCKED ROTOR
<b>20.5</b>	<b>36</b>	<b>218</b>

CAPACITORS			
STARTING		RUNNING	
MFD	VOLTS	MFD	VOLTS
<b>560</b>	<b>330</b>	<b>60</b>	<b>440</b>

TORQUE		
FULL LOAD	LOCKED ROTOR	BREAK DOWN
lb-ft	%FLT	%FLT
<b>22.6</b>	<b>350</b>	<b>240</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>0.819</b>	<b>39</b>	<b>36.48</b>

ACCEL TIME	
NEMA LOAD	MAX ALLOWABLE
WK <sup>2</sup>	WK <sup>2</sup>
Sec	Sec
<b>3.93</b>	<b>3.68</b>

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR	
COLD	HOT	COLD	HOT
<b>9</b>	<b>4.5</b>	<b>2</b>	<b>1</b>

SOUND PRESSURE LEVEL @ 3 FT dB(A)
<b>66.5</b>

APPROVED:	<b>M. PRATER</b>	DRAWING NO.	<b>31057S7/54</b>	REVISION <b>0</b>
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