

TECO Westinghouse

ISSUED January 21, 2004	PERFORMANCE DATA	ENCLOSURE TEFC
TYPE BECSFD	SINGLE PHASE MOTOR	CATALOG# S0024

NAMEPLATE INFORMATION

OUTPUT		FRAME SIZE	POLES	VOLTAGE	HZ	RATED AMBIENT	INSULATION CLASS	TIME RATING	SERVICE FACTOR
HP	KW								
2	1.49	182T	4	115/230	60	40°C	B	CONT.	1.15

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY			POWER FACTOR		
	FULL LOAD	3/4 LOAD	1/2 LOAD	F. L.	3/4 LOAD	1/2 LOAD
	%	%	%	%	%	%
1750	73	64.6	56.4	63.5	55.5	45.6

CURRENTS						CAPACITORS			
NO LOAD		FULL LOAD		LOCKED ROTOR		STARTING		RUNNING	
AT 115 VOLT	AT 230 VOLT	AT 115 VOLT	AT 230 VOLT	AT 115 VOLT	AT 230 VOLT	MFD	VOLTS	MFD	VOLTS
24.8	12.4	28.0	14.0	178.0	89.0	800	125	60	250

TORQUE		
FULL LOAD	LOCKED ROTOR	BREAK DOWN
lb-ft	%FLT	%FLT
6	340	330

INERTIA		
ROTOR	NEMA LOAD	MAX ALLOWABLE
WR ²	WK ²	WK ²
lb-ft ²	lb-ft ²	lb-ft ²
0.237	11	15.8

ACCEL TIME	
NEMA LOAD	MAX ALLOWABLE
WK ²	WK ²
Sec	Sec
3.61	5.15

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
12	6	2	1	61

APPROVED:	M. PRATER	DRAWING NO.	31057S0024	REVISION 0
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