

TECO Westinghouse

ISSUED January 21, 2004	PERFORMANCE DATA SINGLE PHASE MOTOR	ENCLOSURE TEFC
TYPE BECCFD		CATALOG# S1/54

NAMEPLATE INFORMATION

OUTPUT		FRAME SIZE	POLES	VOLTAGE	HZ	RATED AMBIENT	INSULATION CLASS	TIME RATING	SERVICE FACTOR
HP	KW								
1 1/2	1.12	145T	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
	%	%	%	%	%	%
1740	70	66.5	60	63	56.9	45

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
16.8	8.4	22.0	11.0	116.0	58.0	500	125	-	-

TORQUE		
FULL LOAD	LOCKED ROTOR	BREAK DOWN
lb-ft	%FLT	%FLT
4.5	350	260

INERTIA		
ROTOR	NEMA LOAD	MAX ALLOWABLE
WR ²	WK ²	WK ²
lb-ft ²	lb-ft ²	lb-ft ²
0.148	8.6	13.17

ACCEL TIME	
NEMA LOAD	MAX ALLOWABLE
WK ²	WK ²
Sec	Sec
4.17	6.35

SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
17	8.5	2	1	56.8

APPROVED:	M. PRATER	DRAWING NO.	31057S1/54	REVISION	0
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