

TECO Westinghouse

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|-----------------------------------|--|--------------------------|
| ISSUED January 21, 2004 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE BECSFD | SINGLE PHASE FARM DUTY MOTORS | CATALOG# S0054 |

NAMEPLATE INFORMATION

| OUTPUT | | FRAME SIZE | POLES | VOLTAGE | HZ | INSULATION CLASS | RATED AMBIENT | TIME RATING | SERVICE FACTOR |
|----------|----------|-------------|----------|------------|-----------|------------------|---------------|--------------|----------------|
| HP | KW | | | | | | | | |
| 5 | 4 | 184T | 4 | 230 | 60 | F | 40°C | CONT. | 1.15 |

TYPICAL PERMORMANCE

| FULL LOAD RPM | EFFICIENCY | | | POWER FACTOR | | |
|---------------|-------------|-------------|-------------|--------------|-------------|-------------|
| | FULL LOAD | 3/4 LOAD | 1/2 LOAD | FULL LOAD | 3/4 LOAD | 1/2 LOAD |
| | % | % | % | % | % | % |
| 1750 | 78.5 | 74.1 | 69.1 | 69 | 63.4 | 50.8 |

| CURRENTS | | |
|-------------|-----------|--------------|
| NO LOAD | FULL LOAD | LOCKED ROTOR |
| 21.1 | 30 | 192 |

| CAPACITORS | | | |
|------------|------------|-----------|------------|
| STARTING | | RUNNING | |
| MFD | VOLTS | MFD | VOLTS |
| 400 | 250 | 25 | 440 |

| TORQUE | | |
|-----------|--------------|------------|
| FULL LOAD | LOCKED ROTOR | BREAK DOWN |
| lb-ft | %FLT | %FLT |
| 15 | 340 | 300 |

| INERTIA | | |
|--------------------|--------------------|--------------------|
| ROTOR | NEMA LOAD | MAX ALLOWABLE |
| WR ² | WK ² | WK ² |
| lb-ft ² | lb-ft ² | lb-ft ² |
| 0.451 | 27 | 23.98 |

| ACCEL TIME | |
|-----------------|-----------------|
| NEMA LOAD | MAX ALLOWABLE |
| WK ² | WK ² |
| Sec | Sec |
| 3.71 | 3.31 |

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | |
|----------------------------|----------|---------------------------|----------|
| COLD | HOT | COLD | HOT |
| 8 | 4 | 2 | 1 |

| SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|-----------------------------------|
| 67 |

| | | | | |
|-----------|------------------|-------------|-------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057S0054 | REVISION 0 |
|-----------|------------------|-------------|-------------------|-------------------|