

# TECO Westinghouse

|                               |                                                           |                                |
|-------------------------------|-----------------------------------------------------------|--------------------------------|
| ISSUED<br><b>May 23, 2007</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>ODP</b>        |
| TYPE<br><b>ASHH</b>           |                                                           | CATALOG#<br><b>DHP1006R-50</b> |

## NAMEPLATE INFORMATION

| OUTPUT     |             | POLE     | FRAME SIZE  | VOLTAGE        | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|------------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP         | KW          |          |             |                |           |               |            |             |              |                |
| <b>100</b> | <b>74.6</b> | <b>6</b> | <b>444T</b> | <b>190/380</b> | <b>50</b> | <b>40°C</b>   | <b>F</b>   | <b>B</b>    | <b>CONT.</b> | <b>1.0</b>     |

## TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY  |             |             |             | POWER FACTOR |             |             | MAXIMUM POWER FACTOR CORRECTION |
|---------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|---------------------------------|
|               | FULL LOAD   |             | 3/4 LOAD    | 1/2 LOAD    | F. L.        | 3/4 LOAD    | 1/2 LOAD    |                                 |
|               | MIN. %      | NOM. %      | %           | %           | %            | %           | %           |                                 |
| <b>972</b>    | <b>93.3</b> | <b>94.2</b> | <b>93.7</b> | <b>92.5</b> | <b>82.0</b>  | <b>78.9</b> | <b>75.0</b> | <b>37.1 KVAR</b>                |

## CURRENTS

| NO LOAD      |  | FULL LOAD    |               |  | LOCKED ROTOR  |                |               | NEMA KVA CODE LETTER |
|--------------|--|--------------|---------------|--|---------------|----------------|---------------|----------------------|
| AT 190 VOLT  |  | AT 380 VOLT  | AT 190 VOLT   |  | AT 380 VOLT   | AT 190 VOLT    | AT 380 VOLT   |                      |
| <b>93.20</b> |  | <b>46.60</b> | <b>293.00</b> |  | <b>146.70</b> | <b>1450.00</b> | <b>725.00</b> |                      |

## TORQUE

## INERTIA

## ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR WR <sup>2</sup> lb-ft <sup>2</sup> | NEMA LOAD WK <sup>2</sup> lb-ft <sup>2</sup> | MAX ALLOWABLE WK <sup>2</sup> lb-ft <sup>2</sup> | NEMA LOAD WK <sup>2</sup> Sec | MAX ALLOWABLE WK <sup>2</sup> Sec |
|-----------------|-------------------|--------------|-----------------|------------------------------------------|----------------------------------------------|--------------------------------------------------|-------------------------------|-----------------------------------|
| <b>540</b>      | <b>112</b>        | <b>96</b>    | <b>168</b>      | <b>47</b>                                | <b>1838</b>                                  | <b>3676</b>                                      | <b>7.98</b>                   | <b>15.77</b>                      |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD      | HOT       | COLD     | HOT      |           |
|-----------|-----------|----------|----------|-----------|
| <b>16</b> | <b>11</b> | <b>2</b> | <b>1</b> | <b>78</b> |

APPROVED:

**M. PRATER**

DRAWING NO.

**31057DHP1006R-50**

REVISION **0**