

# TECO Westinghouse

|                            |   |                            |
|----------------------------|---|----------------------------|
| ISSUED<br><b>8/25/2004</b> | <b>PERFORMANCE DATA</b><br><b>3-PHASE INDUCTION MOTOR</b> | ENCLOSURE<br><b>ODP</b>    |
| TYPE<br><b>ASGANEJM</b>    |   | CATALOG#<br><b>DJM0304</b> |

### NAMEPLATE INFORMATION

| OUTPUT    |             | POLE     | FRAME SIZE  | VOLTS          | HZ        | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING  | SERVICE FACTOR |
|-----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP        | KW          |          |             |                |           |               |            |             |              |                |
| <b>30</b> | <b>22.4</b> | <b>4</b> | <b>286T</b> | <b>230/460</b> | <b>60</b> | <b>40°C</b>   | <b>F</b>   | <b>B</b>    | <b>CONT.</b> | <b>1.15</b>    |

### TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY |             |             |            | POWER FACTOR |            |            | MAXIMUM POWER FACTOR CORRECTION |
|---------------|------------|-------------|-------------|------------|--------------|------------|------------|---------------------------------|
|               | FULL LOAD  |             | 3/4 LOAD %  | 1/2 LOAD % | FULL LOAD %  | 3/4 LOAD % | 1/2 LOAD % |                                 |
|               | MIN%       | NOM%        |             |            |              |            |            |                                 |
| <b>1760</b>   | <b>91</b>  | <b>92.4</b> | <b>92.5</b> | <b>92</b>  | <b>86.5</b>  | <b>84</b>  | <b>77</b>  | <b>18.09 KVAR</b>               |

### CURRENTS

| NO LOAD     |             |             |             | FULL LOAD   |             |             |             | LOCKED ROTOR |              |              |              | NEMA KVA CODE LETTER |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|----------------------|
| AT 200 VOLT | AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 200 VOLT | AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 200 VOLT  | AT 208 VOLT  | AT 230 VOLT  | AT 460 VOLT  |                      |
| <b>26.1</b> | <b>25.1</b> | <b>22.7</b> | <b>11.4</b> | <b>80.8</b> | <b>80.8</b> | <b>80.8</b> | <b>35.1</b> | <b>500.3</b> | <b>500.3</b> | <b>500.3</b> | <b>217.5</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>89.5</b>     | <b>220</b>        | <b>175</b>   | <b>230</b>      | <b>4.169</b>                             | <b>144</b>                                   | <b>224.40</b>                                    | <b>4.61</b>                    | <b>7.12</b>                        |

| SAFE STALL TIME IN SECONDS |           | ALLOWABLE STARTS PER HOUR |          | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD                       | HOT       | COLD                      | HOT      |                                   |
| <b>17</b>                  | <b>12</b> | <b>2</b>                  | <b>1</b> | <b>61</b>                         |

|           |                  |             |                     |               |
|-----------|------------------|-------------|---------------------|---------------|
| APPROVED: | <b>M. PRATER</b> | DRAWING NO. | <b>31057DJM0304</b> | REV. <b>0</b> |
|-----------|------------------|-------------|---------------------|---------------|