

# MaxMotion

## PERFORMANCE DATA SHEET

Meets or exceeds MEPS (Minimum Efficiency Performance Standards), as described by the US Department of Energy in docket 10CFR431 and Natural Resources Canada's Amendment 14

Catalogue #: **MDRP-154CW**

| HP  | kW   | Voltage   | S.F. @ 60Hz | EFF.  | P.F.  | Frame | Design | L.R. Amps |
|-----|------|-----------|-------------|-------|-------|-------|--------|-----------|
| 1,5 | 1,12 | 208 / 416 | 1,15        | 86,5% | 0,730 | 56HC  | B      | 20        |

| 60 Hz |     |      |     |     |     |     |      |          |
|-------|-----|------|-----|-----|-----|-----|------|----------|
| FLA   |     |      |     |     |     |     | Code | F.L. RPM |
| 208   | 230 | 416  | 460 | 480 | 575 | 600 |      |          |
| 4,92  | /   | 2,46 | /   | /   | /   | /   | L    | 1750     |

| 50 Hz |       |      |      |             |            |       |      |          |
|-------|-------|------|------|-------------|------------|-------|------|----------|
| HP    | kW    | FLA  |      | S.F. @ 50Hz | Efficiency | P.F.  | Code | F.L. RPM |
|       |       | 190  | 380  |             |            |       |      |          |
| 1,00  | 0,746 | 3,72 | 1,86 | 1,15        | 0,855      | 0,712 | L    | 1450     |

| Wgt. Lbs | PH | Duty  | Insul. Class | Amb. | Elevation       | Temp. Rise° C |
|----------|----|-------|--------------|------|-----------------|---------------|
| 31,00    | 3  | Cont. | F            | 40°C | 1000M (3300 Ft) | 65            |

| % Efficiency |       | % Power Factor |      | Torque           |     | Winding Resist. Ω | Safe Cold Start (Secs) |
|--------------|-------|----------------|------|------------------|-----|-------------------|------------------------|
| Full Load:   | 86,5% | Full Load:     | 0,73 | Full Load Ft/Lbs | 4,5 |                   |                        |
| 3/4 Load:    | 81,7% | 3/4 Load:      | 0,68 | Locked Rotor %   | 250 | /                 | 12                     |
| 1/2 Load:    | 73,7% | 1/2 Load:      | 0,58 | Break Down %     | 340 |                   |                        |

| Rotor Inertia Wk2 Lb-Ft2 | Max Load Inertia Wk2 Lb-Ft2 | Shaft Material | Frame Material | DE Bracket Type | ODE Bracket Type | Enclosure | NEMA Rating | Lead Wire Size |
|--------------------------|-----------------------------|----------------|----------------|-----------------|------------------|-----------|-------------|----------------|
| /                        | /                           | Steel          | Rolled Steel   | Aluminium Alloy |                  | TEFC      | IP55        | 16AWG          |

| Ball Bearings |      | Grease          | Mount Type | Orientation | Paint | Sound Pressure @ 3FT | Sound Power |
|---------------|------|-----------------|------------|-------------|-------|----------------------|-------------|
| DE            | ODE  |                 |            |             |       |                      |             |
| 6205          | 6203 | Sealed Bearings | Rigid      | Horizontal  | Black | /                    | /           |

| Inverter Duty.<br>Motor meets MG1 parts 31.4.4.2 | Constant Torque Range | Variable Torque Range | Constant HP RPM |
|--------------------------------------------------|-----------------------|-----------------------|-----------------|
|                                                  | 10:1                  | 20:1                  | 2700            |

