

MaxMotion

IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJC315L2-4-47**

| HP | kW | Voltage | L.R. Amps | Efficiency | Power Factor | Service Factor | Frame | Design |
|--------|--------|-----------|-----------|------------|--------------|----------------|-------|--------|
| 270,00 | 201,42 | 460 / 796 | 2049,30 | 96,2% | 0,88 | 1,15 | 315L | N |

| 60 Hz | | | | | | | | |
|-------|-----|-----|--------|-----|--------|-----|-------|----------|
| FLA | | | | | | | Is/In | F.L. RPM |
| 208 | 230 | 333 | 460 | 575 | 796 | 990 | | |
| / | / | / | 297,00 | / | 171,60 | / | 6,9 | 1788 |

| 50 Hz | | | | | | | | |
|-------|--------|--------|--------|--------|--------|------------|-------|----------|
| FLA | | | | | | Efficiency | Is/In | F.L. RPM |
| 190 | 380 | 400 | 415 | 660 | 725 | | | |
| / | 360,00 | 342,00 | 329,00 | 207,36 | 188,19 | 96,0% | 6,9 | 1490 |

| Wgt. Lbs | PH | Duty | Insul. Class | Ambient Temp. | Elevation | Temp. Rise° C |
|----------|----|------|--------------|---------------|-----------|---------------|
| 2729,8 | 3 | S1 | H | 40°C | 1000 M | 75 |

| % Efficiency | | % Power Factor | | Torque | | | Protector Type | Winding Resist. Ω |
|--------------|-------|----------------|------|------------|------|------|----------------|-------------------|
| Full Load: | 96,2% | Full Load: | 0,88 | FLT ft.lbs | 60Hz | 50Hz | | |
| 3/4 Load: | 92,3% | 3/4 Load: | 0,74 | LRT % | 220 | 220 | PTC-150°C | - |
| 1/2 Load: | 83,8% | 1/2 Load: | 0,57 | BDT % | 220 | 220 | | |

| Rotor Inertia Wk2 Lb-Ft2 | Max Load Inertia Wk2 Lb-Ft2 | Shaft Material | Frame Material | DE Bracket Type | ODE Bracket Type | Mounting | Enclosure | Protection |
|--------------------------|-----------------------------|----------------|----------------|-----------------|------------------|----------|-----------|------------|
| - | - | Standard | Cast Iron | Standard | Standard | B3 | TEFC | IP55 |

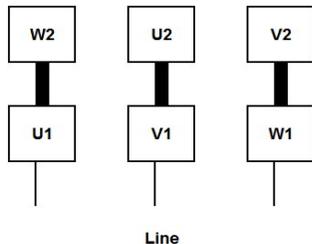
| Ball Bearings | | Grease | Mount Type | Orientation | Cold Start (Secs) | Paint |
|---------------|---------|-----------------|------------|-------------|-------------------|-------|
| DE | ODE | | | | | |
| 6317-C3 | 6317-C3 | Mobil PolyRexEM | Rigid | Horizontal | 15 | Red |

| Inverter Duty. Motor meets MG1 parts 31.4.4.2 | Constant Torque Range | Variable Torque Range |
|--|-----------------------|-----------------------|
| | 10:1 | 20:1 |

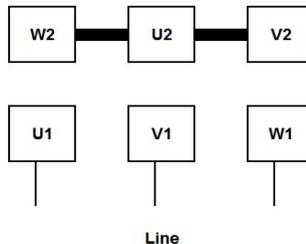
WIRING CONNECTION DIAGRAM : E

IEC Frames 200L - 355L, Dual Voltage
460 / 796 VAC, 6 posts, 6 leads, Δ / Y Connection

Low Voltage (460 Vac)
6 Leads Δ 6 posts



High Voltage (796 Vac)
6 Leads Y 6 posts



Date: **25 janvier, 2024**
 Customer: _____
 Contact: _____
 Submittee: **J.C. Lavallée**

Catalogue #: **IJC315L2-4-47**

| IEC Efficiency Level IE3 | | | | | | | | | | | |
|--------------------------|--------|-----------|------|-----------|-------|-----------|--------|-------|----------|------------------|---------------|
| HP | Kw | VAC | RPM | Enclosure | Frame | Frequency | Design | Poles | LR Is/In | Insulation Class | Temp. Rise °C |
| 270,00 | 201,42 | 460 / 796 | 1788 | TEFC | 315L | 60 | N | 4 | 6,9 | H | 75 |

| Load % | 0% | 25% | 50% | 75% | 100% | 125% | 150% |
|-------------|--------|--------|--------|--------|--------|---------|---------|
| Amps | 239,88 | 239,88 | 262,73 | 274,15 | 297,00 | 342,69 | 434,08 |
| Torq ft/lbs | 0 | 197,28 | 395,22 | 593,82 | 793,09 | 1033,74 | 1327,71 |
| RPM | 0 | 1797 | 1794 | 1791 | 1788 | 1715 | 1602 |
| Eff % | 0 | 62,7 | 83,8 | 92,3 | 96,2 | 93,7 | 86,1 |
| PF % | 0 | 40,2 | 57,0 | 74,4 | 88,0 | 90,6 | 92,4 |

| | Locked Rotor | Pull-Up | Breakdown | Rated Load | Idle | Duty | S. F. | Ambient | Elevation | dBA @ 1M |
|-----------------|--------------|---------|-----------|------------|--------|---|-------|---------|-----------|----------|
| Speed (RPM) | 0 | 810 | 1350 | 1788 | 1800 | S1 | 1,15 | 40°C | 3,300 ft | - |
| Current (Amps) | 2049,30 | 1639,44 | 1147,61 | 297,00 | 239,88 | VFD Rating: Meets MG1 parts 31.4.4.2 | | | | |
| Torque (ft-lbs) | 1744,79 | 1483,07 | 1744,79 | 793,09 | 0,0 | CT : | 10:1 | VT : | 20:1 | |

