



## Product Information Packet

# YPC164A

.25HP,1075RPM,1PH,60HZ,48YZ,3411C,TEAO,F

## Part Detail

|             |        |             |            |             |        |               |            |
|-------------|--------|-------------|------------|-------------|--------|---------------|------------|
| Revision:   | F      | Status:     | PRD/A      | Change #:   |        | Proprietary:  | No         |
| Type:       | AC     | Elec. Spec: | 34WGR231   | CD Diagram: | CD0798 | Mfg Plant:    |            |
| Mech. Spec: | 34M195 | Layout:     | 34LYM195   | Poles:      | 06     | Created Date: | 10-14-2014 |
| Base:       | YP     | Eff. Date:  | 07-19-2018 | Leads:      | 5#18   |               |            |

## Specs

|                                 |                         |                                |                                |
|---------------------------------|-------------------------|--------------------------------|--------------------------------|
| Catalog Number:                 | YPC164A                 | KVA Code:                      | -                              |
| Enclosure:                      | TEAO                    | Lifting Lugs:                  | No Lifting Lugs                |
| Frame:                          | 48YZ                    | Locked Bearing Indicator:      | No Locked Bearing              |
| Frame Material:                 | Steel                   | Motor Lead Quantity/Wire Size: | 5 @ 18 AWG                     |
| Output @ Frequency:             | .250 HP @ 60 HZ         | Motor Lead Exit:               | Terminal Panel Or Lead Hole    |
| Synchronous Speed @ Frequency:  | 1200 RPM @ 60 HZ        | Motor Lead Termination:        | None                           |
| Voltage @ Frequency:            | 115.0 V @ 60 HZ         | Motor Type:                    | 3411C                          |
| XP Class and Group:             | None                    | Mounting Arrangement:          | F1                             |
| XP Division:                    | Not Applicable          | Product Family:                | General Purpose                |
| Agency Approvals:               | UR                      | Pulley End Bearing Type:       | Ball                           |
|                                 | CSA                     | Pulley Face Code:              | Standard                       |
| Auxillary Box:                  | No Auxillary Box        | Pulley Shaft Indicator:        | Standard                       |
| Auxillary Box Lead Termination: | None                    | Rodent Screen:                 | None                           |
| Base Indicator:                 | Yoke Pedestal           | RoHS Status:                   | ROHS COMPLIANT                 |
| Bearing Grease Type:            | Polyrex EM (-20F +300F) | Shaft Extension Location:      | Pulley End                     |
| Blower:                         | None                    | Shaft Ground Indicator:        | No Shaft Grounding             |
| Current @ Voltage:              | 2.800 A @ 115.0 V       | Shaft Rotation:                | Reversible: Connected Standard |
| Design Code:                    | -                       | Shaft Slinger Indicator:       | Shaft Slinger                  |

|                                       |                           |                                    |                            |
|---------------------------------------|---------------------------|------------------------------------|----------------------------|
| <b>Drip Cover:</b>                    | No Drip Cover             | <b>Speed Code:</b>                 | Single Speed               |
| <b>Duty Rating:</b>                   | CONT                      | <b>Motor Standards:</b>            | NEMA                       |
| <b>Electrically Isolated Bearing:</b> | Not Electrically Isolated | <b>Starting Method:</b>            | Direct on line             |
| <b>Feedback Device:</b>               | NO FEEDBACK               | <b>Thermal Device - Bearing:</b>   | NONE (OLD)                 |
| <b>Front Face Code:</b>               | Terminal Panel            | <b>Thermal Device - Winding:</b>   | None                       |
| <b>Front Shaft Indicator:</b>         | None                      | <b>Vibration Sensor Indicator:</b> | No Vibration Sensor        |
| <b>Heater Indicator:</b>              | No Heater                 | <b>Winding Thermal 1:</b>          | Automatic Thermal Overload |
| <b>Insulation Class:</b>              | B                         | <b>Winding Thermal 1 Location:</b> | WG                         |
| <b>Inverter Code:</b>                 | Not Inverter              | <b>Winding Thermal 2:</b>          | None                       |

## Nameplate NP1257L

|              |              |  |  |      |     |      |     |                |  |    |   |
|--------------|--------------|--|--|------|-----|------|-----|----------------|--|----|---|
| CAT.NO.      | YPC164A      |  |  |      |     |      |     |                |  |    |   |
| SPEC.        | 34M195R231G1 |  |  |      |     |      |     |                |  |    |   |
| HP           | .25          |  |  |      |     |      |     |                |  |    |   |
| VOLTS        | 115          |  |  |      |     |      |     |                |  |    |   |
| AMP          | 2.8          |  |  |      |     |      |     |                |  |    |   |
| RPM          | 1075         |  |  |      |     |      |     |                |  |    |   |
| FRAME        | 48YZ         |  |  |      |     | HZ   | 60  |                |  | PH | 1 |
| SER.F.       | 1.00         |  |  | CODE | -   |      | DES | -              |  | CL | B |
| NEMA-NOM-EFF |              |  |  | PF   |     |      |     |                |  |    |   |
| RATING       | 40C AMB-CONT |  |  |      |     |      |     |                |  |    |   |
| CC           |              |  |  |      |     |      |     | USABLE AT 208V |  |    |   |
| DE           | 6203         |  |  |      | ODE | 6203 |     |                |  |    |   |
| ENCL         | TEAO         |  |  | SN   |     |      |     |                |  |    |   |
|              |              |  |  |      |     |      |     |                |  |    |   |

| Parts List  |                                          |          |
|-------------|------------------------------------------|----------|
| Part Number | Description                              | Quantity |
| SA288275    | SA 34M195R231G1                          | 1.000 EA |
| RA274471    | RA 34M195R231G1                          | 1.000 EA |
| OC3020F12SP | CAPACITORS 20 MFD 370 VAC                | 1.000 EA |
| RM1001A01   | GROMMET "MIDSTATES"                      | 1.000 EA |
| WD4100A42   | CAPLUG BPF-3/4, FOR 1/2" NPT OR 3/4 HOLE | 1.000 EA |
| 11XT0832G06 | 8-32 X 3/8 TY 23 TAPPING                 | 1.000 EA |
| 34EP3204D01 | SPL FR ENDPLATE 34L - ENCL               | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 3.000 EA |
| HW5100A03   | WAVY WASHER (W1543-017)                  | 1.000 EA |
| 33CB4800A02 | CAPACITOR COVER, STAMPED                 | 1.000 EA |
| 35GS3001A02 | GASKET, CA.COVER, 5.38 LONG .06 CS301    | 1.000 EA |
| 34GS5003    | OAM SLEEVE, ID = 2 1/16" X 3 3/8"        | 1.000 EA |
| 51XB1016A05 | 10-16X5/16HX WA SL SR TYB (F/S)          | 2.000 EA |
| 34EP3109D01 | PU ENDPLATE, MACH ENCL, 5.125 B.C.       | 1.000 EA |
| XY0832A02   | 8-32 HEX NUT                             | 4.000 EA |
| 34CB4501SP  | TERMINAL BOX LID, STAMPED X (PLATED)     | 1.000 EA |
| 34GS1005    | GASKET, TERM PLATE LID                   | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| HA1005A05SP | SLINGER, OD 1.50, ID .659, 203 BRG       | 1.000 EA |
| HW1000A08   | #8 SAE FLAT WASHER                       | 4.000 EA |
| MG1000G27   | MED CHARCOAL METALLIC GREY 400-0096      | 0.014 GA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| WD1000A16   | 2-520128-2 AMP FLAG TERMINAL(4M/RL)      | 5.000 EA |
| SP5076SP    | MODEL 34 TERMINAL PANEL WITH QUICK CONNE | 1.000 EA |

| Parts List (continued) |                                         |           |
|------------------------|-----------------------------------------|-----------|
| Part Number            | Description                             | Quantity  |
| HA3169A25              | THRUBOLT #8-32 THDS X 8.688" LONG       | 4.000 EA  |
| LB1118                 | LABEL,WARNING (ROLL LABEL)              | 1.000 EA  |
| LC0085                 | CONNECTION LABEL                        | 1.000 EA  |
| NP1257L                | ALUM UL CSA CC THERMAL REV MTG          | 1.000 EA  |
| MN416A01               | TAG-INSTAL-MAINT no wire (1200/bx) 5/18 | 1.000 EA  |
| ML14-8C18              | 18 AWG, 8,RED                           | 10.000 IN |
| WD1000A16              | 2-520128-2 AMP FLAG TERMINAL(4M/RL)     | 2.000 EA  |
| 36PA1000               | PKG GRP, PRINT PK1016A06                | 1.000 EA  |
| PK3083T                | STYROFOAM PACKING CRADLE                | 1.000 EA  |
| PK3088                 | MICROFOAM, 8"X"8 PERF. SHEETS 5,400/RL  | 1.000 EA  |

**AC Induction Motor Performance Data**

Record # 51609 - Typical performance - not guaranteed values

|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 34WGR231-R001 | <b>Type:</b> 3411C | <b>Enclosure:</b> TEAO |
|-------------------------------|--------------------|------------------------|

| Nameplate Data        |              |              |   | 115 V, 60 Hz:<br>Single Voltage Motor |                                              |
|-----------------------|--------------|--------------|---|---------------------------------------|----------------------------------------------|
| Rated Output (HP)     | .25          |              |   | Full Load Torque                      | 1.22 LB-FT                                   |
| Volts                 | 115          |              |   | Start Configuration                   | direct on line                               |
| Full Load Amps        | 2.8          |              |   | Breakdown Torque                      | 1.8 LB-FT                                    |
| R.P.M.                | 1075         |              |   | Pull-up Torque                        | 0.387 LB-FT                                  |
| Hz                    | 60           | Phase        | 1 | Locked-rotor Torque                   | 0.433 LB-FT                                  |
| NEMA Design Code      | -            | KVA Code     | - | Starting Current                      | 7.2 A                                        |
| Service Factor (S.F.) | 1            |              |   | No-load Current                       | 1.54 A                                       |
| NEMA Nom. Eff.        | 0            | Power Factor | 0 | Line-line Res. @ 25°C                 | 5.6688 $\Omega$ A Ph<br>10.891 $\Omega$ B Ph |
| Rating - Duty         | 40C AMB-CONT |              |   | Temp. Rise @ Rated Load               |                                              |

## Load Characteristics 115 V, 60 Hz, 0.25 HP

| % of Rated Load | 25     | 50     | 75     | 100    | 125    |
|-----------------|--------|--------|--------|--------|--------|
| Power Factor    | 72     | 83     | 89     | 92     | 92     |
| Efficiency      | 40     | 58     | 66.4   | 67.9   | 64.1   |
| Speed           | 1183.5 | 1167.5 | 1147.5 | 1119.9 | 1080.5 |
| Line amperes    | 1.59   | 1.83   | 2.21   | 2.73   | 3.43   |

Performance Graph at 115V, 60Hz, 0.25HP Typical performance - Not guaranteed values





