



WORLDWIDE ELECTRIC MOTOR DATA SHEET

NAT13-36-56CB



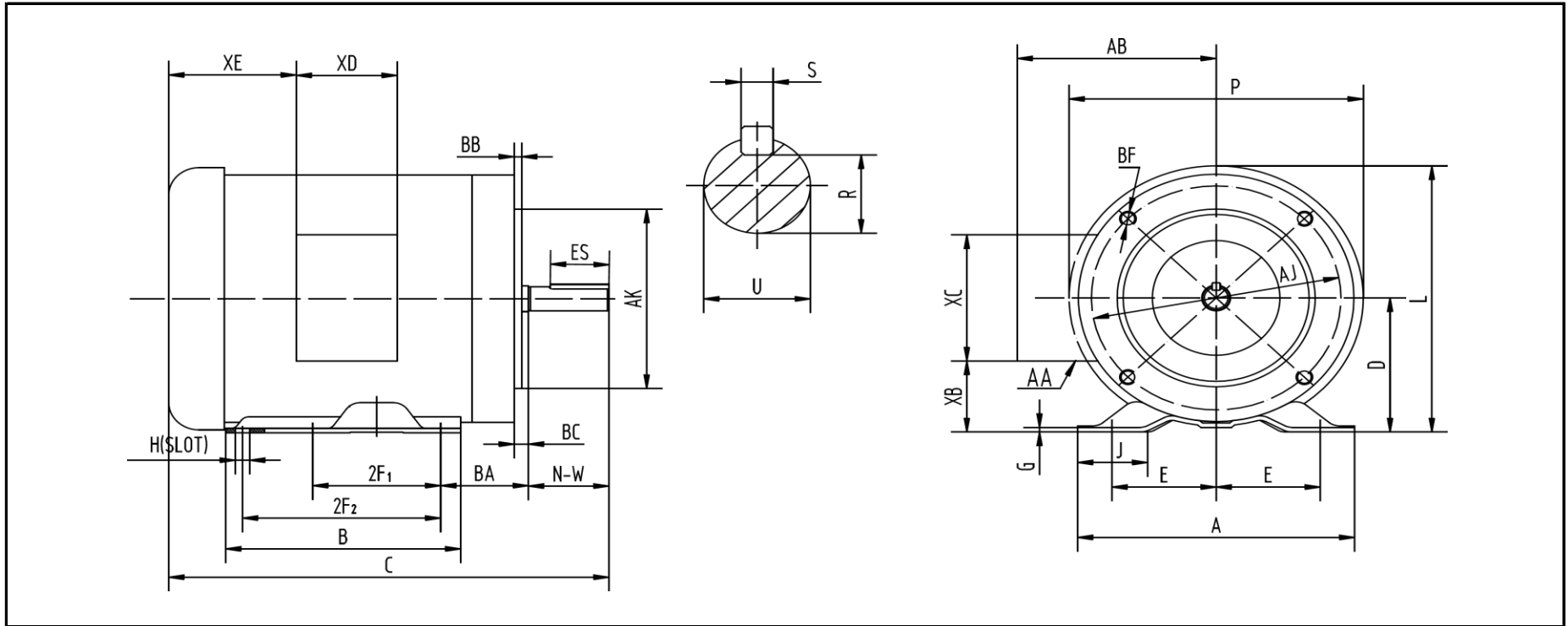
| HORSEPOWER | 1/3 (1/4) | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--|------|-----------|-------------------|------|-----------------|------|-------------------------|-----|-----------------------|-----|--------------------|-----|--------------|--------------|---------------|-------------|-----|--------|-----------|-----------|--------------|---------|-------------------|-----|
| RPM / POLES | 3600 / 2 (3000 / 2) | | | | | | | | | | | | | | | | | | | | | | | | |
| VOLTAGE / PHASE | 230/460 V / 3 (190/380 V / 3) | | | | | | | | | | | | | | | | | | | | | | | | |
| FRAME | 56C | | | | | | | | | | | | | | | | | | | | | | | | |
| ENCLOSURE / DEGREE OF PROTECTION | TEFC / IP43 | | | | | | | | | | | | | | | | | | | | | | | | |
| FREQUENCY | 60 HZ (50 HZ) | | | | | | | | | | | | | | | | | | | | | | | | |
| FULL LOAD SPEED | 3450 RPM (2850 RPM) | | | | | | | | | | | | | | | | | | | | | | | | |
| SERVICE FACTOR | 1.15 (1.0) | | | | | | | | | | | | | | | | | | | | | | | | |
| INSULATION CLASS | F | | | | | | | | | | | | | | | | | | | | | | | | |
| FULL LOAD AMPS; 230 / 460 (190 / 380) | 1.3 / 0.65 A (1.2 / 0.6 A) | | | | | | | | | | | | | | | | | | | | | | | | |
| EFFICIENCY / POWER FACTOR | <table border="1"> <thead> <tr> <th>LOAD</th> <th>EFF.</th> <th>P.F.</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td>60.0%</td> <td>0.75</td> </tr> </tbody> </table> | LOAD | EFF. | P.F. | 100% | 60.0% | 0.75 | | | | | | | | | | | | | | | | | | |
| LOAD | EFF. | P.F. | | | | | | | | | | | | | | | | | | | | | | | |
| 100% | 60.0% | 0.75 | | | | | | | | | | | | | | | | | | | | | | | |
| DUTY CYCLE | Continuous | | | | | | | | | | | | | | | | | | | | | | | | |
| MAX. AMBIENT TEMPERATURE | 40° C | | | | | | | | | | | | | | | | | | | | | | | | |
| MAX. ELEVATION | 3300 Ft. Above Sea Level | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPERATURE RISE (At Full Load) | 80° C | | | | | | | | | | | | | | | | | | | | | | | | |
| DE BEARING | 6203 | | | | | | | | | | | | | | | | | | | | | | | | |
| ODE BEARING | 6203 | | | | | | | | | | | | | | | | | | | | | | | | |
| REGREASING INT. - DE BEARING | --- | | | | | | | | | | | | | | | | | | | | | | | | |
| REGREASING INT. - ODE BEARING | --- | | | | | | | | | | | | | | | | | | | | | | | | |
| GREASE TYPE | Mobil Polyrex EM | | | | | | | | | | | | | | | | | | | | | | | | |
| MOUNTING | F1 | | | | | | | | | | | | | | | | | | | | | | | | |
| ROTATION | Bi-Directional | | | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTION DIAGRAM | 230/460 V (190/380 V) - 9 Lead | | | | | | | | | | | | | | | | | | | | | | | | |
| APPROXIMATE WEIGHT | 18 lbs. | | | | | | | | | | | | | | | | | | | | | | | | |
| INVERTER RATING | 2:1 CT / 5:1 VT PWM Type | | | | | | | | | | | | | | | | | | | | | | | | |
| OPTIONS / ACCESSORIES | <table border="1"> <tbody> <tr> <td>Base</td> <td>NBASE56-2</td> </tr> <tr> <td>Capacitor (Start)</td> <td>---</td> </tr> <tr> <td>Capacitor (Run)</td> <td>---</td> </tr> <tr> <td>Capacitor Cover (Start)</td> <td>---</td> </tr> <tr> <td>Capacitor Cover (Run)</td> <td>---</td> </tr> <tr> <td>Centrifugal Switch</td> <td>---</td> </tr> <tr> <td>Endbell (DE)</td> <td>NDEEBELL56-1</td> </tr> <tr> <td>Endbell (ODE)</td> <td>NODEEBELL56</td> </tr> <tr> <td>Fan</td> <td>NFAN56</td> </tr> <tr> <td>Fan Cover</td> <td>NFCOVER56</td> </tr> <tr> <td>Junction Box</td> <td>NJBOX56</td> </tr> <tr> <td>Stationary Switch</td> <td>---</td> </tr> </tbody> </table> | Base | NBASE56-2 | Capacitor (Start) | --- | Capacitor (Run) | --- | Capacitor Cover (Start) | --- | Capacitor Cover (Run) | --- | Centrifugal Switch | --- | Endbell (DE) | NDEEBELL56-1 | Endbell (ODE) | NODEEBELL56 | Fan | NFAN56 | Fan Cover | NFCOVER56 | Junction Box | NJBOX56 | Stationary Switch | --- |
| Base | NBASE56-2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitor (Start) | --- | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitor (Run) | --- | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitor Cover (Start) | --- | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitor Cover (Run) | --- | | | | | | | | | | | | | | | | | | | | | | | | |
| Centrifugal Switch | --- | | | | | | | | | | | | | | | | | | | | | | | | |
| Endbell (DE) | NDEEBELL56-1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Endbell (ODE) | NODEEBELL56 | | | | | | | | | | | | | | | | | | | | | | | | |
| Fan | NFAN56 | | | | | | | | | | | | | | | | | | | | | | | | |
| Fan Cover | NFCOVER56 | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction Box | NJBOX56 | | | | | | | | | | | | | | | | | | | | | | | | |
| Stationary Switch | --- | | | | | | | | | | | | | | | | | | | | | | | | |





WORLDWIDE ELECTRIC MOTOR DRAWING

NAT13-36-56CB



DIMENSIONS - INCHES

| MOUNTING | | | | | A | B | C | D | G | J | L | P | AB | BC |
|----------|-----|-----|------|------|------|------|------|-----|-----|------|-----|-----|-----|-------|
| E | 2F1 | 2F2 | H | BA | | | | | | | | | | |
| 2.44 | 3 | 5 | 0.34 | 2.75 | 6.54 | 6.54 | 11.9 | 3.5 | 0.1 | 1.65 | 7.4 | 7.3 | 5.2 | -0.19 |

| KEY | | KEYSET | FLANGE | | | | SHAFT | | TERMINAL BOX | | | | |
|-------|------|--------|--------|-------|--------|------|-------|-------|------------------|------|-----|-----|------|
| S | ES | R | AK | AJ | BF | BB | N-W | U | AA | XB | XC | XD | XE |
| 0.188 | 1.41 | 0.517 | 4.5 | 5.875 | 3/8-16 | 0.16 | 1.88 | 0.625 | 3-0.88 / 2-1.109 | 1.65 | 3.7 | 3.2 | 2.15 |