| | Technical Data<br>Vertical Multistage - SBN 32-3 3PH NEMA | Revision no. | Page:<br>1 |
|---|---|---|---|

| | Receiver | From |
|---|---|---|
| Company name | | |
| Respons. Department | | |
| Person in charge | | |
| Phone number | | |
| Fax no | | |
| E-mail address | | |

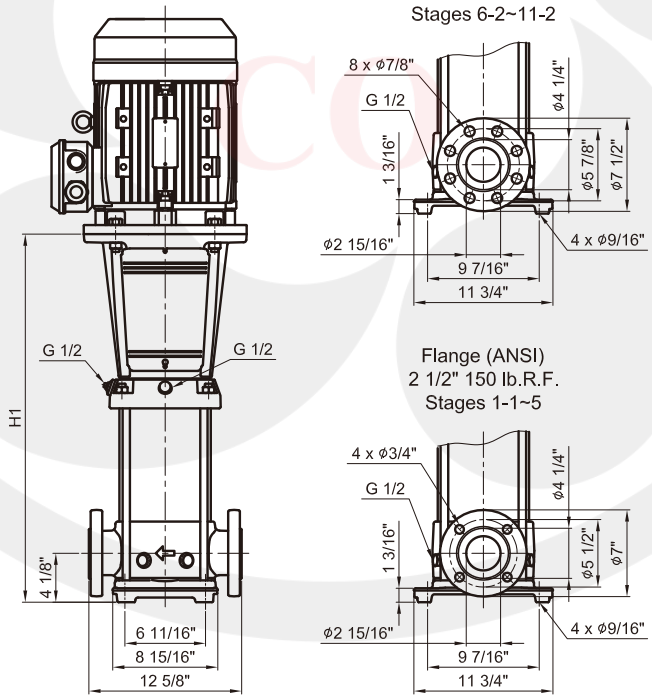


## Brand: G.P.T.CO

## Model: SBN 32-3 3PH

| Max. Operating Pressure | | Stage | Max. inlet Pressures |
|---|---|---|---|
| Stage | flange(ANSI) | | |
| SBN 32 | | SBN 32 | |
| (1-1)-(5) | 232 Psi | (3-2)-6 | 145 Psi |

## Dimensions:




| Pump type | Recommend motor of HP | | | SBN | | |
|---|---|---|---|---|---|---|
| | P2 | | | NEMA Frame | Dimension[inch] | Weights[lbs] |
| | [HP] | [kW] | [PH] | | ANSI flange H1 | ANSI flange |
| SBN 32-3 | 15 | 11 | 3 | 254TC | 29.67 | 144.4 |

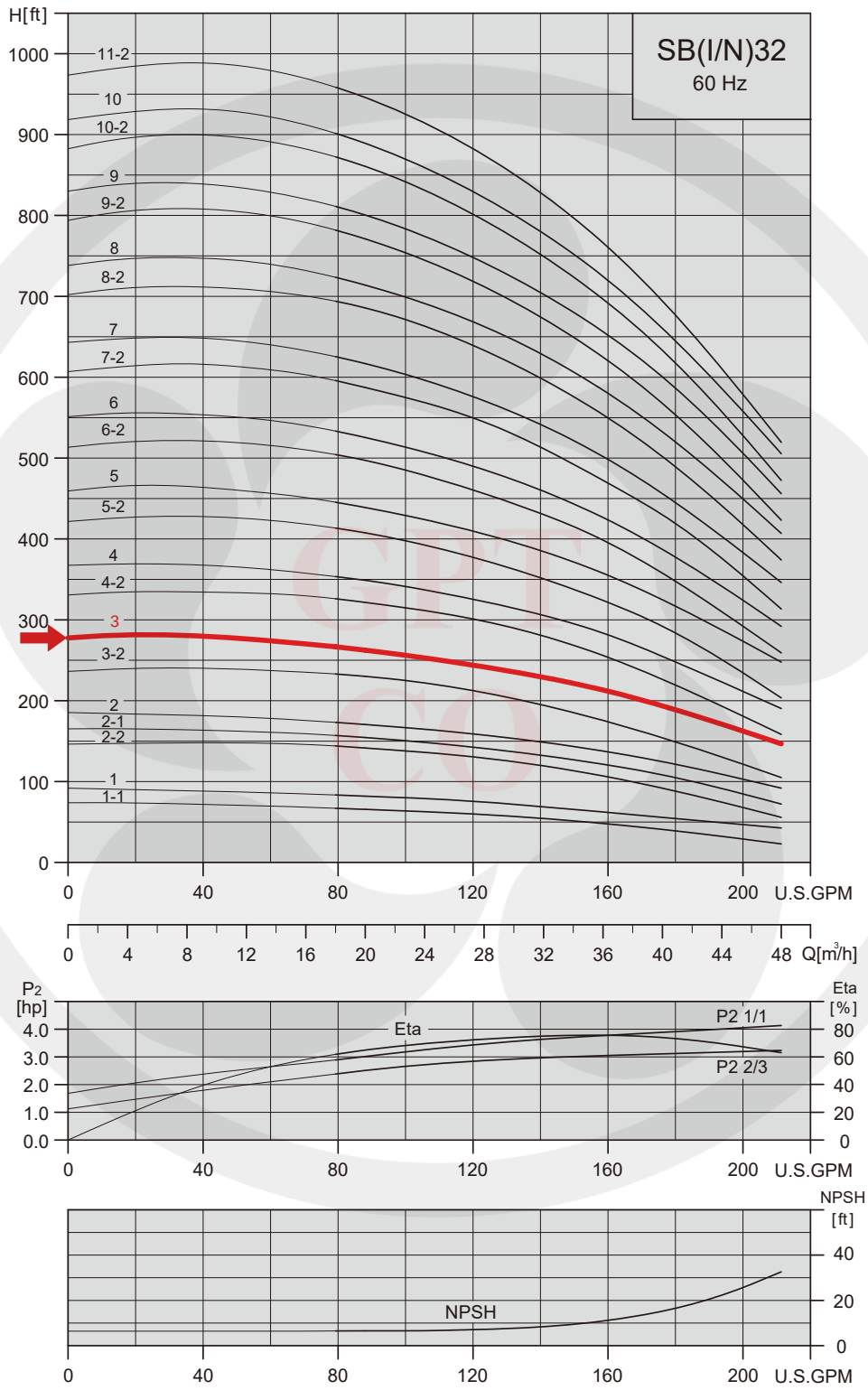
| Project | Project ID | Created by | Created on | Last update |
|---|---|---|---|---|
| | | | | |

# Technical Data

## Vertical Multistage - SBN 32-3 3PH NEMA

| Revision no. | Page: |
|---|---|
| | 2 |

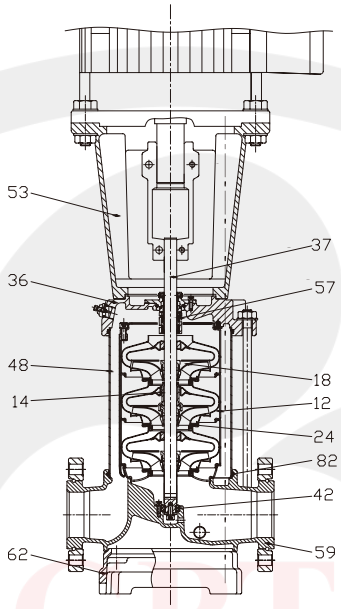
| | Receiver | From |
|---|---|---|
| Company name | | |
| Respons. Department | | |
| Person in charge | | |
| Phone number | | |
| Fax no | | |
| E-mail address | | |




| Project | Project ID | Created by | Created on | Last update |
|---|---|---|---|---|
| | | | | |

| | Receiver | From |
|---|---|---|
| Company name | | |
| Respons. Department | | |
| Person in charge | | |
| Phone number | | |
| Fax no | | |
| E-mail address | | |

SBI(N)-32,45,64,90




## Construction

| Pos. | Name | Material | SBN 32,45,64,90 |
|---|---|---|---|
| | | | Standard |
| | | | USA |
| 36 | Pump head | Cast Iron | |
| | | Stainless steel | AISI 316 |
| 53 | Motor Bracket | Cast Iron | ASTM 35B |
| 18 | Impeller | Stainless steel | AISI 316 |
| 37 | Shaft | Stainless steel | AISI 316 |
| 48 | Outer sleeve | Stainless steel | AISI 316 |
| 82 | O-ring for outer sleeve | EPDM | |
| 12 | Chamber | Stainless steel | AISI 316 |
| 24 | Neck ring | Carbon Fiber+POB+PTFE | |
| 59 | Base | Cast Iron | N/A |
| | | Stainless steel | AISI 316 |
| 62 | Base plate | Cast Iron | ASTM 35B |
| 57 | Mechanical seal | Cartridge type | |
| 14 | Bearing ring | | POB+Graphite+PTFE |
| 42 | Bottom bearing ring | Tungsten carbide/<br>Tungsten carbide | |

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |

| | |
|---|---|
| Product line | : W01 - TEFC - Nema Premium Efficiency Derating |
| Product code | : 13041121 |

| | | | |
|---|---|---|---|
| Frame | : 254/6T | Locked rotor time | : 14 s (hot) 25 s (cold) |
| Output | : 15 HP (11 kW) | Temperature rise[4] | : 80 K |
| Poles | : 2 | Duty cycle | : S1 |
| Frequency | : 60 Hz | Ambient temperature | : -20 °C to +40 °C |
| Rated voltage | : 230/460 V | Altitude | : 1000 m.a.s.l |
| Rated current | : 34.8/17.4 A | Protection degree | : IP55 |
| L. R. Amperes | : 237/118 A | Cooling method | : IC411 - TEFC |
| LRC | : 6.8 Code G | Mounting | : F-1/B14R(D) |
| No load current | : 10.4/5.20 A | Rotation[1] | : Both |
| Rated speed | : 3525 rpm | Noise level[2] | : 75 dB(A) |
| Slip | : 2.08 % | Starting method | : Direct On Line |
| Rated torque | : 22.3 ft.lb | Approx. weight[3] | : 175 lb |
| Locked rotor torque | : 200 % | Design | : B |
| Pull up torque | : 150 % | | |
| Breakdown torque | : 300 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.8709 sq.ft.lb | | |

| Output | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency (%) | 89.5 | 91.0 | 91.0 |
| Power Factor | 0.73 | 0.83 | 0.87 |

| | |
|---|---|
| Load type | : - |
| Load torque | : - |
| Load inertia (J=GD²/4) | : - |

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6309-Z-C3 | 6208-Z-C3 |
| Lubrication interval | 15797 h | 20000 h |
| Lubricant amount | 13 g | 8 g |
| Lubricant type | MOBIL POLYREX EM | |

Notes:

Losses at normative operating points (speed;torque), in percentage of rated output power

| P1 (0,9;1,0) | P2 (0,5;1,0) | P3 (0,25;1,0) | P4 (0,9;0,5) | P5 (0,5;0,5) | P6 (0,5;0,25) | P7 (0,25;0,25) |
|---|---|---|---|---|---|---|
| 10.03 | 8.15 | 7.38 | 5.49 | 3.54 | 2.50 | 1.72 |

Standards

| | | | |
|---|---|---|---|
| Specification | : MG1 - Part 10 | Vibration | : MG1 - Part 7 |
| Test | : MG1 - Part 12 | Tolerance | : MG1 - Part 12 |
| Noise | : MG1 - Part 9 | | |

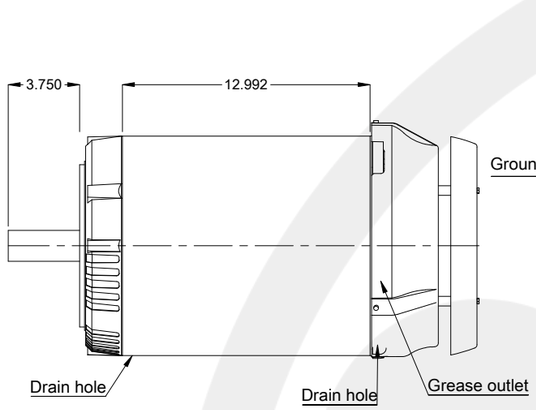
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

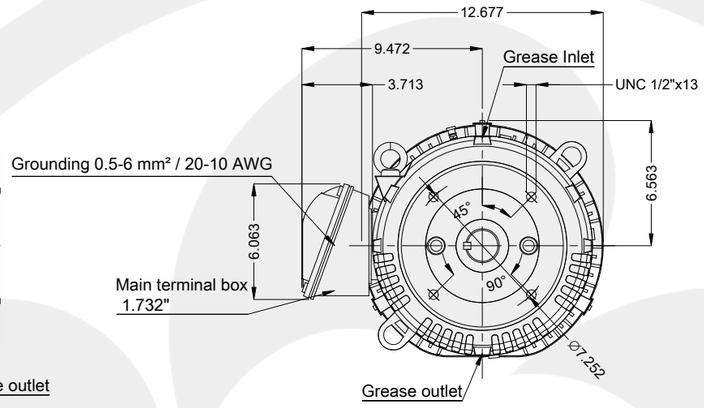
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

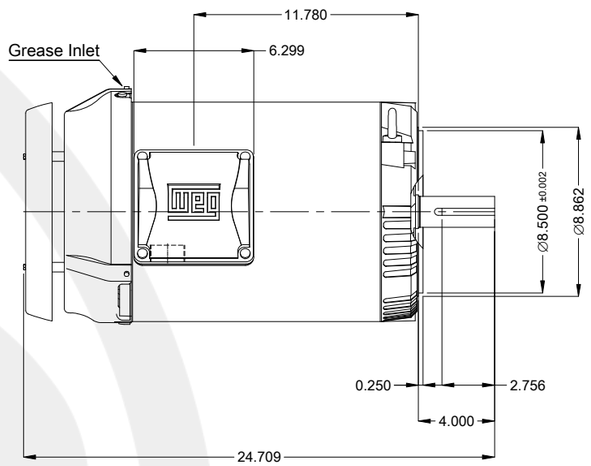
| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |

| | | | | |
|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 2026/10/20 | | 1/1 | 0 |

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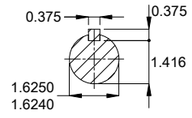



| |
|---|
| With drip cover |
| Color Munsell N 1 matte black |
| Painting plan 207N |
| Mounting MARKET F-1/B14R(D) |
| Mounting F-1/B14R(D) |

DE Shaft End




15 HP 02 Poles 60 Hz | A

Scale 1 : 8

| ECM | LOC | SUMMARY OF MODIFICATIONS | EXECUTED | CHECKED | RELEASED | DATE | VER |
|---|---|---|---|---|---|---|---|
| | | | HYBRISUSER | | | | 00 |

| | |
|---|---|
| EXECUTED | HYBRISUSER |
| CHECKED | |
| RELEASED | |
| REL. DATE | |

THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.
FRAME 254/6TC IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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NEMA PREMIUM

C UL US LISTED 3PT9 FOR SAFE AREA

C SA US Energy Verified

MADE IN MÉXICO

**MAT: 13041121 CC029A**
**W01.TE0IC0X0N**
**MODEL 01536ET3ER254TC-S**

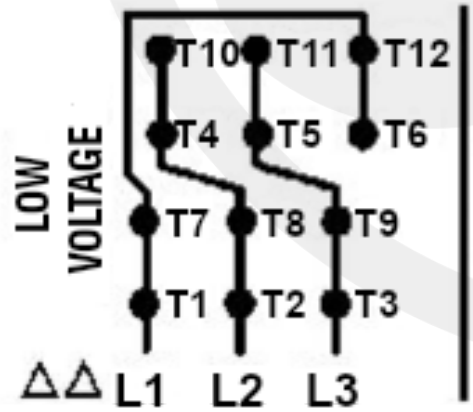
**For 60Hz: Class I, Zone 2, IIC**
**Class I, Div.2, Gr. A,B,C,D - T3**
**Div 2 Inverter Duty (SF1.00)**
**CT 2:1/VT 1000:1**

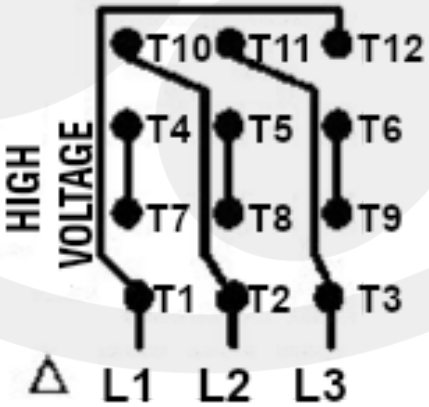
| | | | |
|---|---|---|---|
| PH 3 | Hz 60 | HP | 15 |
| FR 254/6TC | | kW | 11 |
| DUTY CONT. | | V | 230/460 |
| ALT 1000 m.a.s.l | | A | 34.8/17.4 |
| INS CL F DT 80K | IP55 | SFA | 40.0/20.0 |
| AMB 40°C | DES B | SF | 1.15 |
| ENCL TEFC | CODE G | PF | 0.87 |
| | | RPM | 3525 |
| | | NEMA NOM. EFF | 91.0% |

ALTERNATE RATING: 10HP 50Hz 190-220/380-415V SF1.00
29.2-26.8/14.6-14.2A 2940RPM EFF 90.5% (IE3) IEC 60034-1

For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 10:1 CT

| | | | |
|---|---|---|---|
| DE 6309-Z-C3 | ODE 6208-Z-C3 | MOBIL POLYREX EM | 15797h |




T1-BLU T2-WHT
T3-ORG T4-YEL
T5-BLK T6-GRY
T7-PNK T8-RED
T9-RED BRK
T10-CURRY
T11-GRN T12-VLT

INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.

AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.