| | Technical Data<br>Vertical Multistage - SBI 5-2 3PH NEMA | Revision no. | Page:<br>1 |
|---|---|---|---|

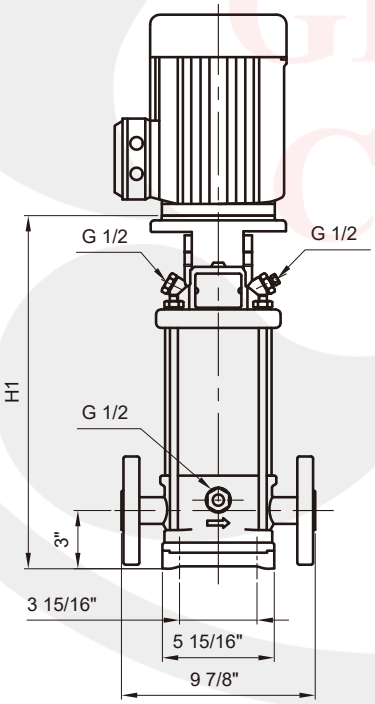
| | Receiver | From |
|---|---|---|
| Company name | | |
| Respons. Department | | |
| Person in charge | | |
| Phone number | | |
| Fax no | | |
| E-mail address | | |



## Brand: G.P.T.CO

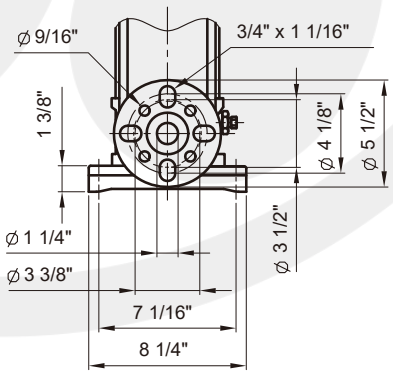
## Model: SBI 5-2 3PH

## Dimensions:




| Max. Operating Pressure | | Stage | Max. inlet Pressures |
|---|---|---|---|
| Stage | flange(ANSI) | | |
| SBI 5 | | SBI 5 | |
| 2-24 | 362 Psi | 2-9 | 145 Psi |

Flange (ANSI)
1 1/4" 300 lb.R.F.




| Pump type | Recommend motor of HP | | | SBI | | |
|---|---|---|---|---|---|---|
| | P2 | | | NEMA Frame | Dimension[inch] | Weights[lbs] |
| | [HP] | [kW] | [PH] | | ANSI flange H1 | ANSI flange |
| SBI 5-2 | 3/4 | 0.55 | 3 | 56C | 12.05 | 33.0 |

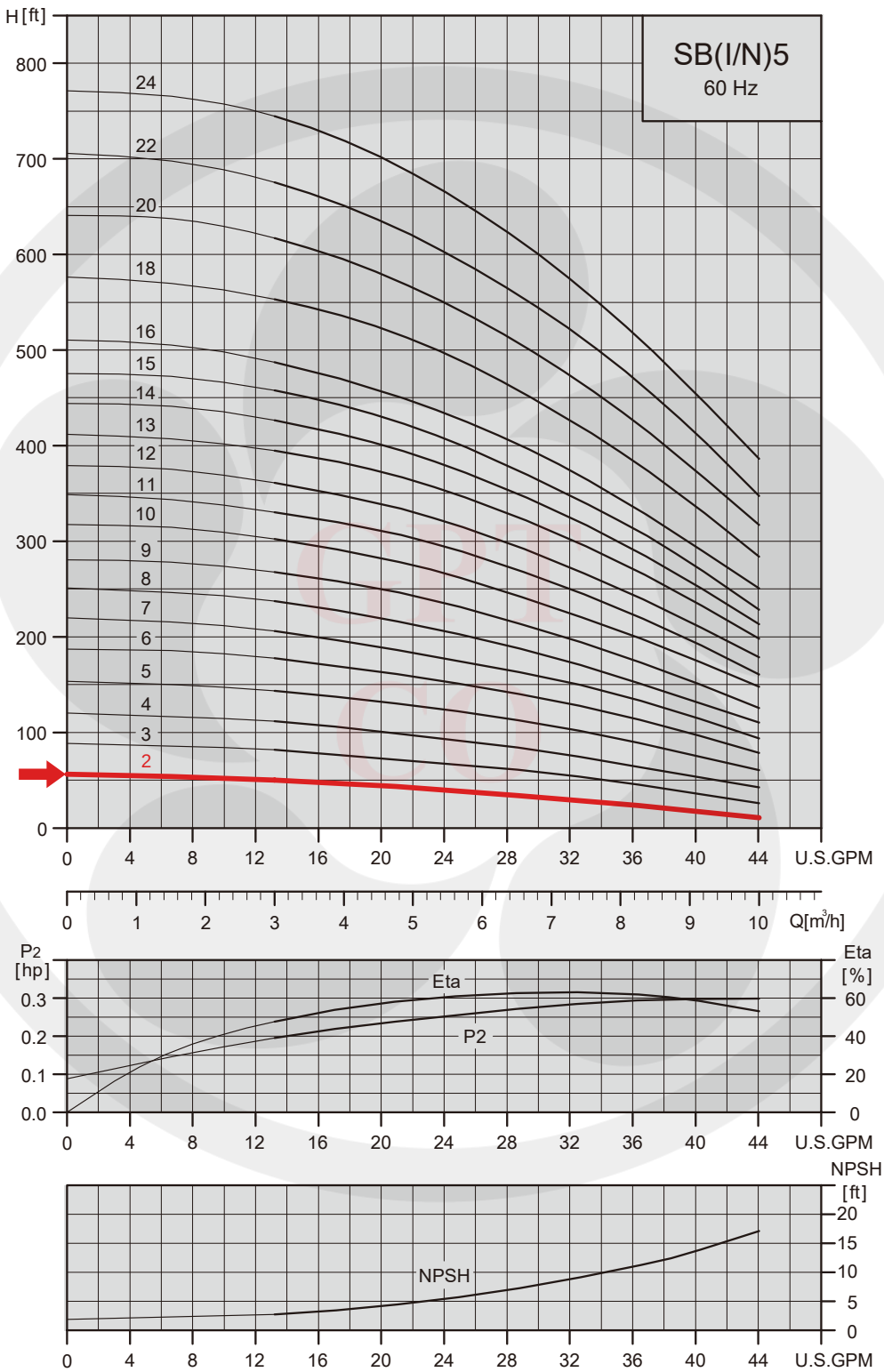
| Project | Project ID | Created by | Created on | Last update |
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| | | | | |

# Technical Data

## Vertical Multistage - SBI 5-2 3PH NEMA

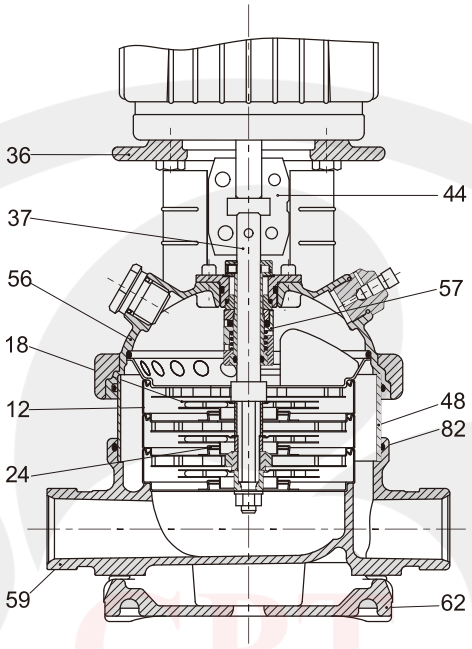
| Revision no. | Page: |
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| | 2 |

| | 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 | | |




## Construction

| Pos. | Name | Material | SBI 1,3,5,10,15,20 |
|---|---|---|---|
| | | | Standard |
| | | | USA |
| 36 | Pump head | Cast Iron | ASTM 65-45-12 |
| 56 | Pump head cover | Stainless steel | AISI 304 |
| 18 | Impeller | Stainless steel | AISI 304 |
| 37 | Shaft | Stainless steel | AISI 431 |
| 48 | Outer sleeve | Stainless steel | AISI 304 |
| 82 | O-ring for outer sleeve | EPDM | |
| 12 | Chamber | Stainless steel | AISI 304 |
| 24 | Neck ring | PTFE | |
| 59 | Base | Cast Iron | N/A |
| | | Stainless steel | AISI 304 |
| 62 | Base plate | Cast Iron | ASTM 25B |
| 44 | coupling | Sintered metal | |
| 57 | Mechanical seal | Cartridge type | |




Gol Pumps Technology Inc. - 6520 NW 77th CT Miami, FL 33166 United States - Tel. (+1)786 615 8984 - Fax (+1)786 615 7043 - www.golpumps.us - Modification without advise!

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

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

| | |
|---|---|
| Product line | : W01 - TEFC - Standard Efficiency Derating |
| Product code | : 14786500 |

| | | | |
|---|---|---|---|
| Frame | : 56 | Locked rotor time | : 23 s (hot) 41 s (cold) |
| Output | : 0.75 HP (0.55 kW) | Temperature rise[4] | : 80 K |
| Poles | : 2 | Duty cycle | : S1 |
| Frequency | : 60 Hz | Ambient temperature | : -20 °C to +40 °C |
| Rated voltage | : 208-230/460 V | Altitude | : 1000 m.a.s.l |
| Rated current | : 2.50-2.26/1.13 A | Protection degree | : IP55 |
| L. R. Amperes | : 15.8/7.91 A | Cooling method | : IC411 - TEFC |
| LRC | : 7.0 Code K | Mounting | : F-1/B14R(D) |
| No load current | : 1.10/0.550 A | Rotation[1] | : Both |
| Rated speed | : 3475 rpm | Noise level[2] | : 68 dB(A) |
| Slip | : 3.47 % | Starting method | : Direct On Line |
| Rated torque | : 1.13 ft.lb | Approx. weight[3] | : 20.7 lb |
| Locked rotor torque | : 250 % | Design | : |
| Pull up torque | : 210 % | | |
| Breakdown torque | : 290 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0522 sq.ft.lb | | |

| Output | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency (%) | 62.0 | 68.0 | 72.0 |
| Power Factor | 0.70 | 0.79 | 0.85 |

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

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6203-ZZ | 6202-ZZ |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| Lubricant type | MOBIL POLYREX EM | |

| Foundation loads | |
|---|---|
| Max. traction | : 22 lb |
| Max. compression | : 42 lb |

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) |
|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Standards

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

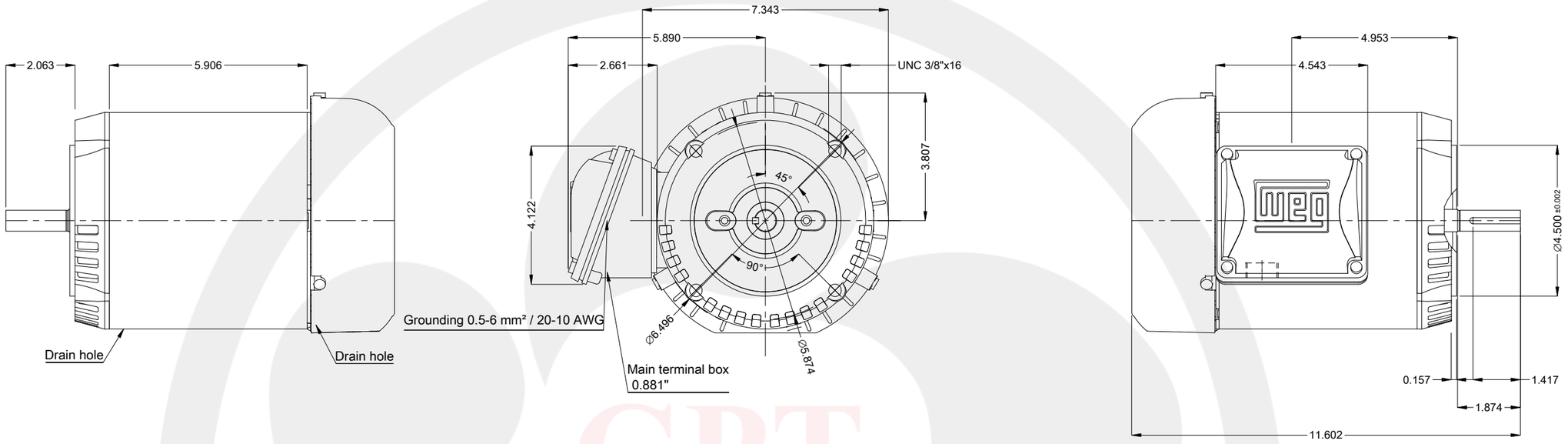
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

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

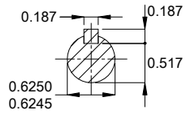
| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |

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

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DE Shaft End




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

0.75 HP 02 Poles 60 Hz

A

Scale 2 : 7

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

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

THREE PH. MOTOR ROLLED STEEL
FRAME 56C IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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MADE IN MÉXICO

C UL US LISTED 3PT9 FOR SAFE AREA

C CSA® US

**MAT: 14786500**
**W01.TE0IC0X0X**
**MODEL .7536ES3E56CFL-S**

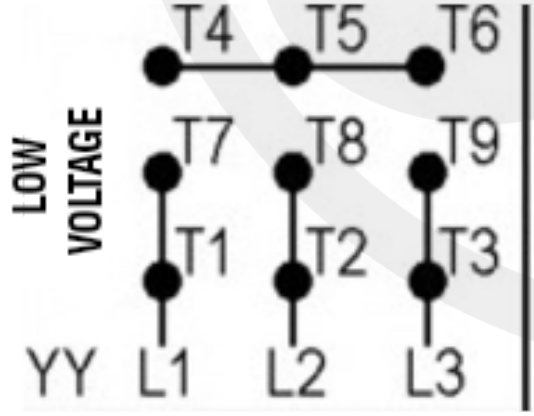
**For 60Hz: Class I, Zone 2, IIC**
**Class I, Div.2, Gr. A,B,C,D - T3**
**Div 2 Inverter Duty (SF1.00)**
**CT 2:1/VT 1000:1**

| | | | |
|---|---|---|---|
| PH 3 | Hz 60 | HP 0.75 | |
| FR 56C | | kW 0.55 | |
| DUTY CONT. | | V 230/460 | |
| ALT 1000 m.a.s.l | | A 2.26/1.13 | |
| INS CL F DT 80K | IP55 | SFA 2.60/1.30 | |
| AMB 40°C | DES - | SF 1.15 | |
| ENCL TEFC | CODE K | PF 0.85 | |
| USABLE @208V 2.50A SF 1.00 | | RPM 3475 | |
| | | NEMA NOM. EFF 72.0% | |

ALTERNATE RATING: 0.75HP 50Hz 190-220/380-415V SF1.00
2.52-2.26/1.26-1.20A 2825RPM EFF 73.0% (IE1) IEC 60034-1

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

| | | | |
|---|---|---|---|
| DE 6203-ZZ | ODE 6202-ZZ | MOBIL POLYREX EM | |




T1-BLU T2-WHT
T3-ORG T4-YEL
T5-BLK T6-GRY
T7-PNK T8-RED
T9-RED BRK

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.