| | Technical Data<br>Vertical Multistage - SBI 3-25 1PH NEMA | Revision no. | Page:<br>1 |
|---|---|---|---|

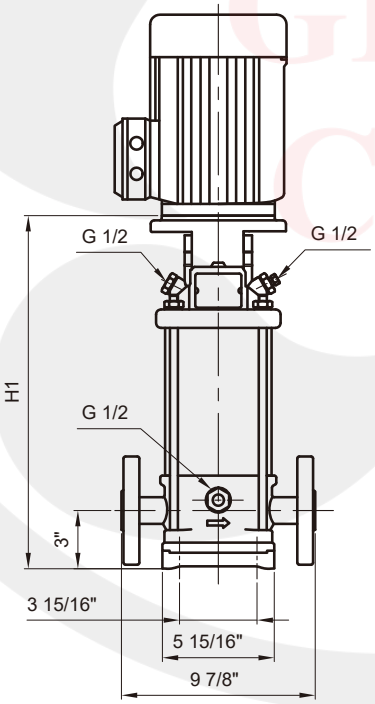
| | Receiver | From |
|---|---|---|
| Company name | | |
| Respons. Department | | |
| Person in charge | | |
| Phone number | | |
| Fax no | | |
| E-mail address | | |



## Brand: G.P.T.CO

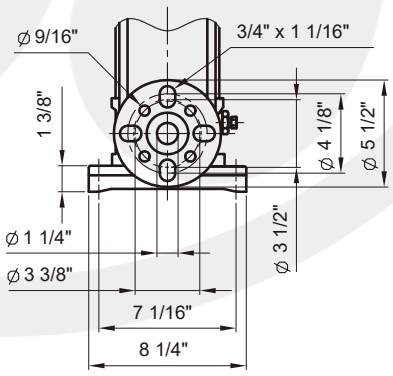
## Model: SBI 3-25 1PH

## Dimensions:




| Max. Operating Pressure | | Stage | Max. inlet Pressures |
|---|---|---|---|
| Stage | flange(ANSI) | | |
| SBI 3 | | SBI 3 | |
| 2-25 | 362 Psi | 19-25 | 217 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 3-25 | 5 | 3.7 | 1 | 213TC | 29.15 | 61.4 |

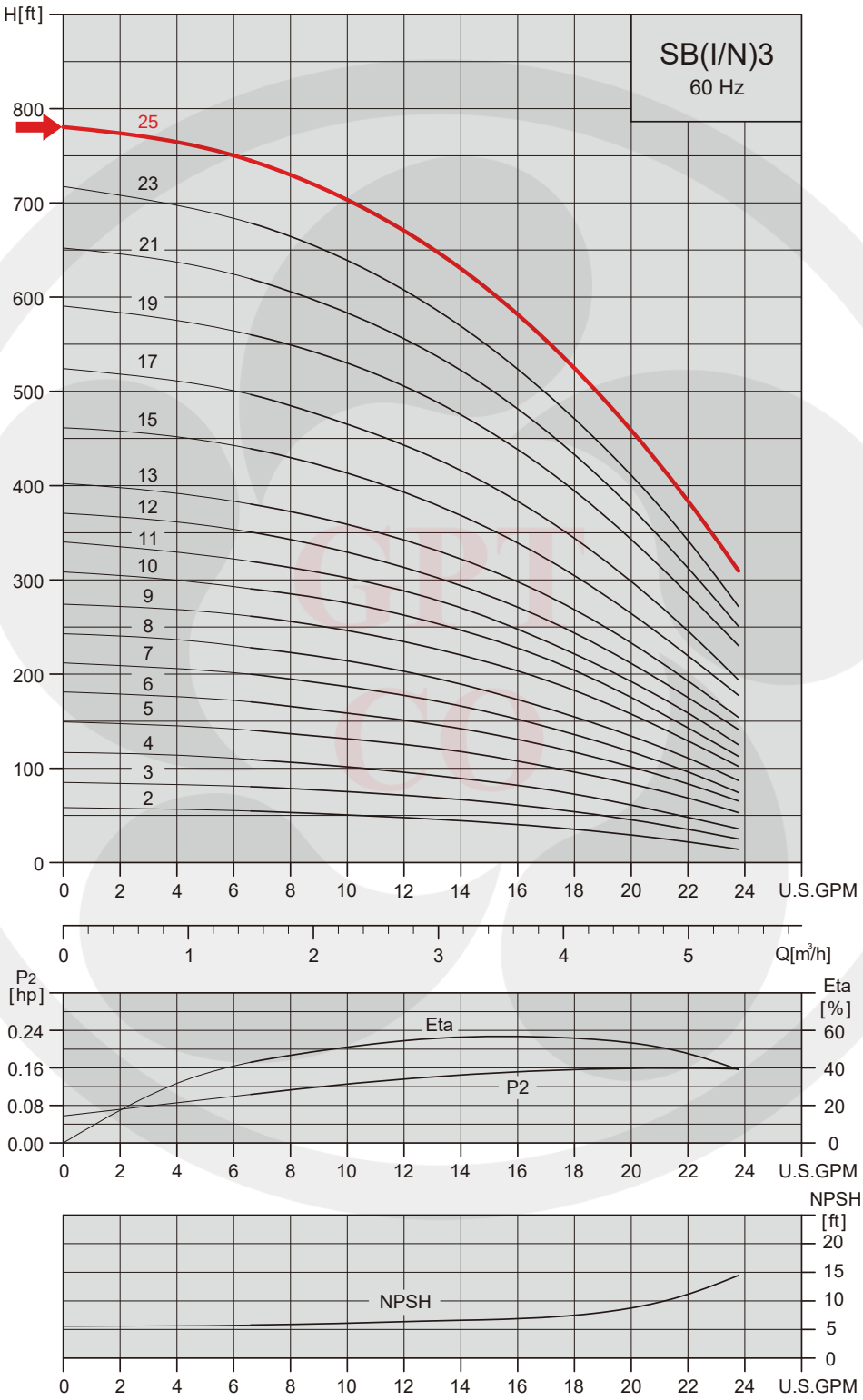
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|---|---|---|---|---|
| | | | | |

# Technical Data

## Vertical Multistage - SBI 3-25 1PH NEMA

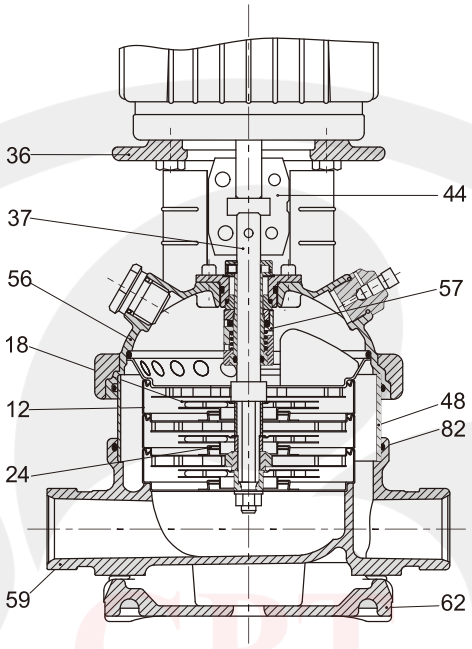
| Revision no. | Page: |
|---|---|
| | 2 |

| | 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 | | |




## 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 | |

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage

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

| | |
|---|---|
| Product line | : W22 |
| Product code | : 14105090 |

| | | | |
|---|---|---|---|
| Frame | : 182/4T | Locked rotor time | : 7 s (hot) 13 s (cold) |
| Output | : 5 HP (3.7 kW) | Duty cycle | : S1 |
| Poles | : 2 | Ambient temperature | : -20 °C to +40 °C |
| Frequency | : 60 Hz | Altitude | : 1000 m.a.s.l |
| Rated voltage | : 208-230/460 V | Protection degree | : IP55 |
| Rated current | : 20.5-19.0/9.50 A | Cooling method | : IC411 - TEFC |
| L. R. Amperes | : 135/67.4 A | Mounting | : B34R(D) |
| LRC | : 7.1 Code G | Rotation[1] | : Both |
| No load current | : 3.34/1.67 A | Noise level[2] | : 72 dB(A) |
| Rated speed | : 3515 rpm | Starting method | : Direct On Line |
| Slip | : 2.36 % | Approx. weight[3] | : 108.0 lb |
| Rated torque | : 7.47 ft.lb | Design | : |
| Locked rotor torque | : 280 % | | |
| Pull up torque | : 235 % | | |
| Breakdown torque | : 250 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.2159 sq.ft.lb | | |

| Output | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency (%) | 80.0 | 84.0 | 85.5 |
| Power Factor | 0.96 | 0.99 | 0.99 |

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

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6207-ZZ | 6206-ZZ |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| Lubricant type | POLYUREA BASED GREASE | |

| Foundation loads | |
|---|---|
| Max. traction | : - |
| Max. compression | : - |

Notes:

Standards

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

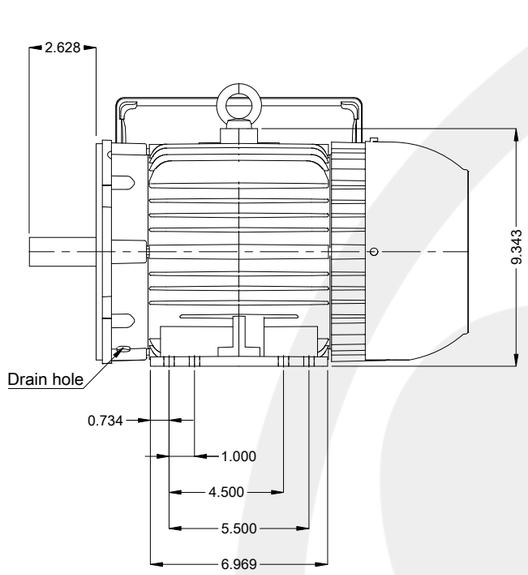
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

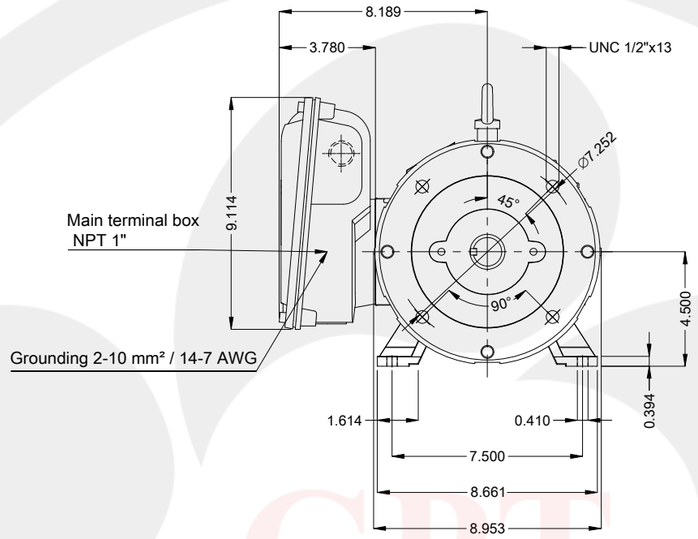
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

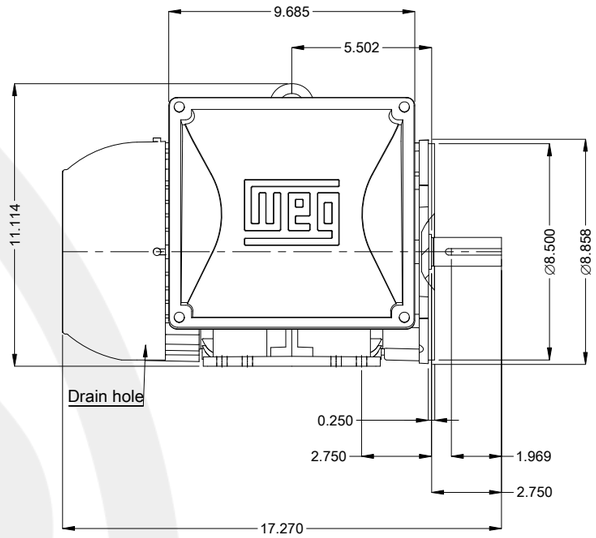
| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |

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

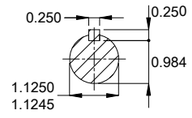
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DE Shaft End




Bearing cap
Mounting NEMA F-1
Mounting B34D

5 HP 02 Poles 60 Hz | A

Scale 1 : 6

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

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

SINGLE PH. MOTOR W22
FRAME 182/4TC IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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Mod.ME1BF0X0X

MADE IN BRAZIL
14105090

MODEL 00536ES1E184TC-W22

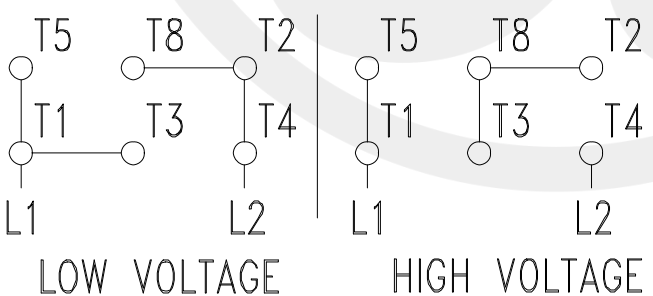
# Electric Motor
# Severe Duty

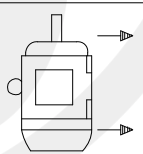
PH1 60Hz Fr. 182/4TC 1000m.a.s.l. IP55 TEFC 113lb

| | |
|---|---|
| V 230/460 | A 19.0/9.50 |
| HP 5.0 | kW 3.7 |
| SF 1.15 | SFA 21.2/10.6 |
| RPM 3515 | PF 0.99 |
| AMB 40°C | INS cl. F DT80K NEMA NOM EFF 85.5% |
| DUTY CONT. | DES - Code G |

USABLE @208V 20.5A SF 1.00

TO REVERSE ROTATION INVERT T5 AND T8



6207-ZZ

6206-ZZ

POLYUREA BASED GREASE

