Technical Data
Vertical Multistage - SBI 5-11 1PH NEMA

Revision no.	Page:
	1

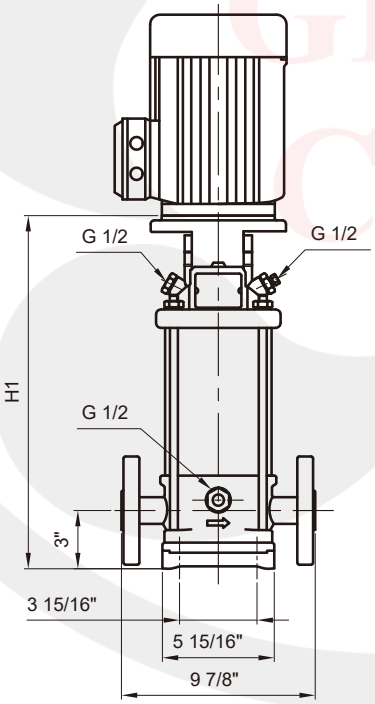
	Receiver	From
Company name		
Respons. Department		
Person in charge		
Phone number		
Fax no		
E-mail address		



Brand: G.P.T.CO

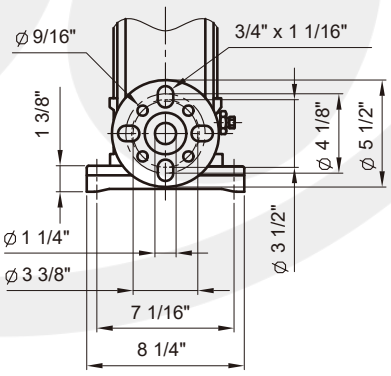
Model: SBI 5-11 1PH

Dimensions:



Max. Operating Pressure		Stage	Max. inlet Pressures
Stage	flange(ANSI)		
SBI 5		SBI 5	
2-24	362 Psi	10-24	217 Psi

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

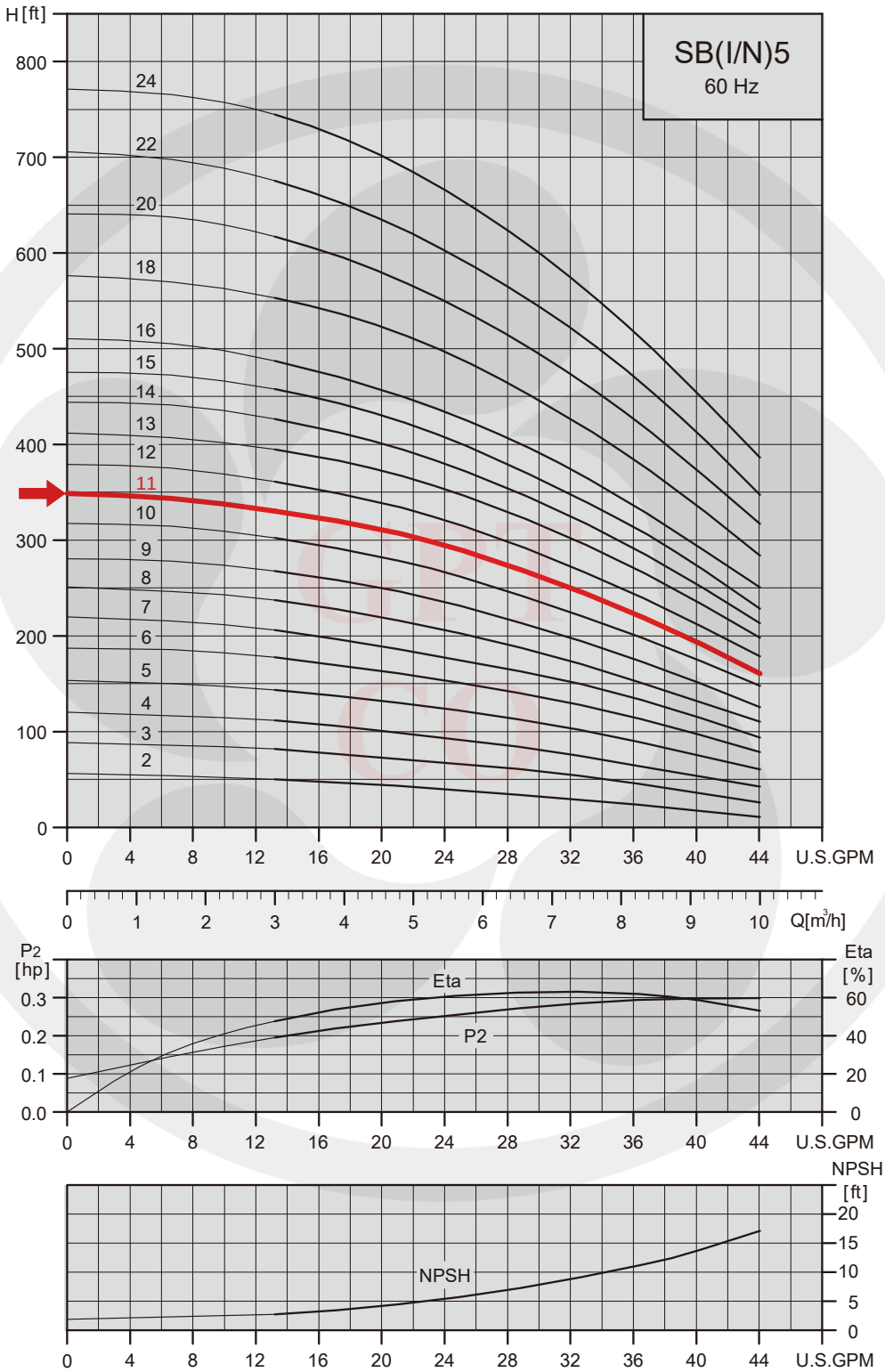


Pump type	Recommend motor of HP			SBI		
	P2			NEMA Frame	Dimension[inch]	Weights[lbs]
	[HP]	[kW]	[PH]		ANSI flange H1	ANSI flange
SBI 5-11	5	3.7	1	213TC	23.09	54.4

Project	Project ID	Created by	Created on	Last update

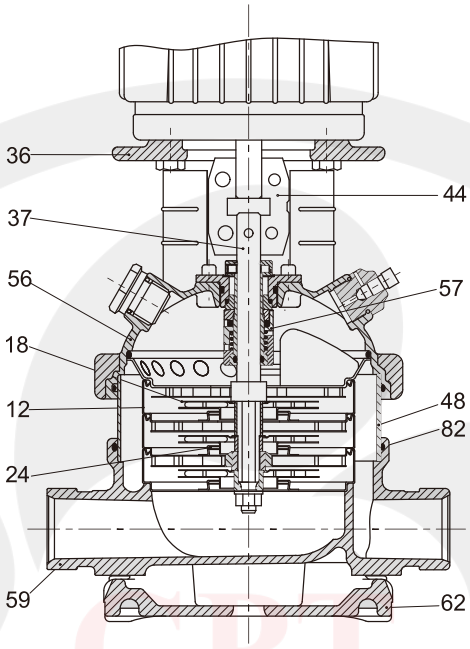
	Technical Data Vertical Multistage - SBI 5-11 1PH NEMA	Revision no.	Page: 2

	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	

Project	Project ID	Created by	Created on	Last update

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		

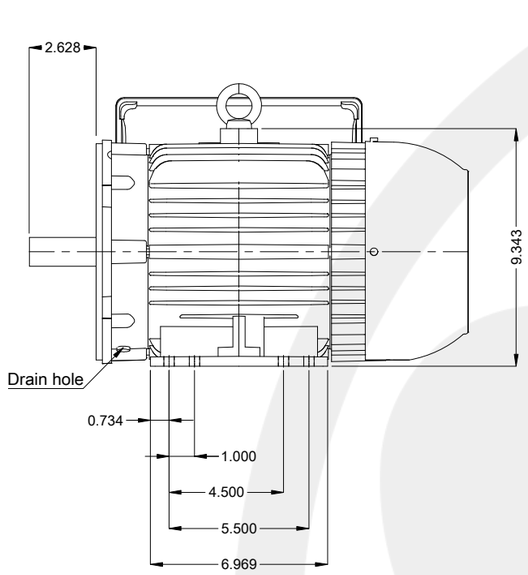
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

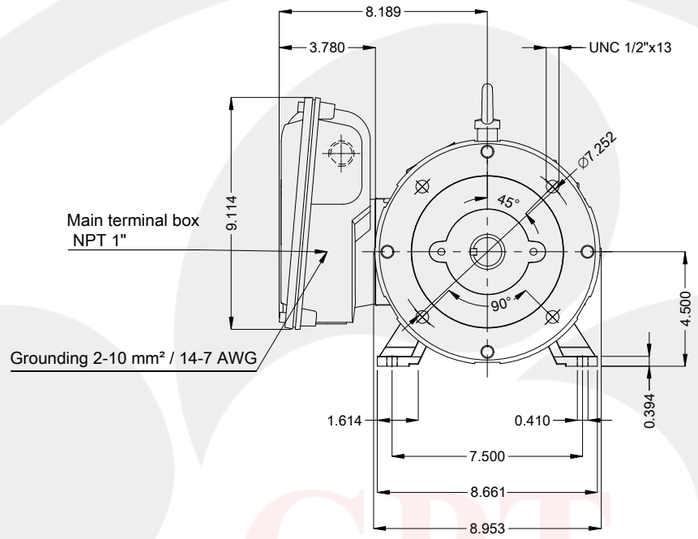
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

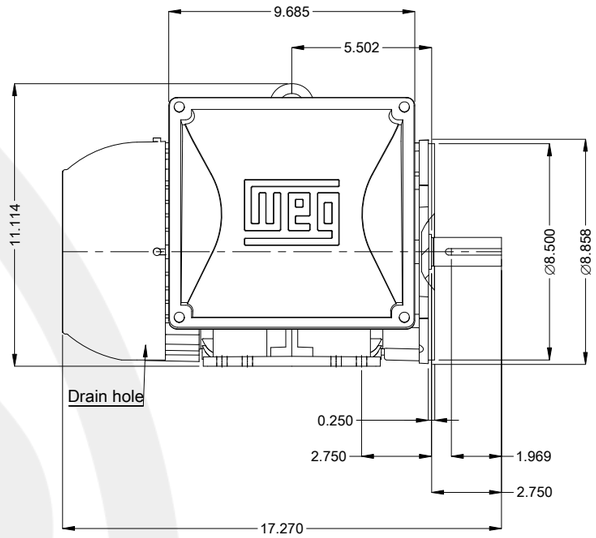
Rev.	Changes Summary	Performed	Checked	Date

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

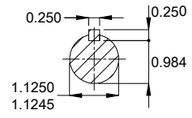
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.







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

WEG's property. Forbidden reproduction without previous authorization.

Mod.ME1BF0X0X

MADE IN BRAZIL
14105090

MODEL 00536ES1E184TC-W22

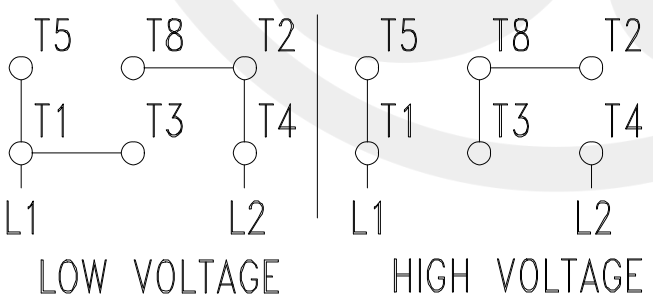
Electric Motor
Severe Duty

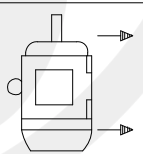
PH1 60Hz Fr. 182/4TC 1000m.a.s.l. IP55 TEFC 113lb

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

