	Technical Data Vertical Multistage - SBI 5-16 1PH NEMA	Revision no.	Page: 1

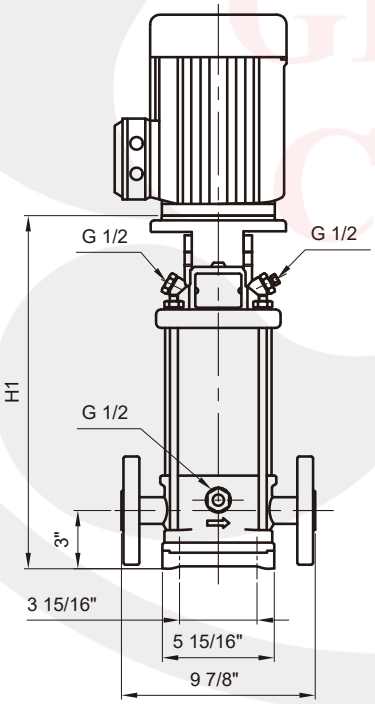
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Company name		
Respons. Department		
Person in charge		
Phone number		
Fax no		
E-mail address		



Brand: G.P.T.CO

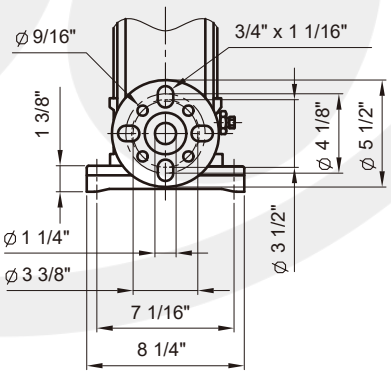
Model: SBI 5-16 1PH

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	ANSI flange
					H1	
SBI 5-16	5	3.7	1	213TC	28.49	60.2

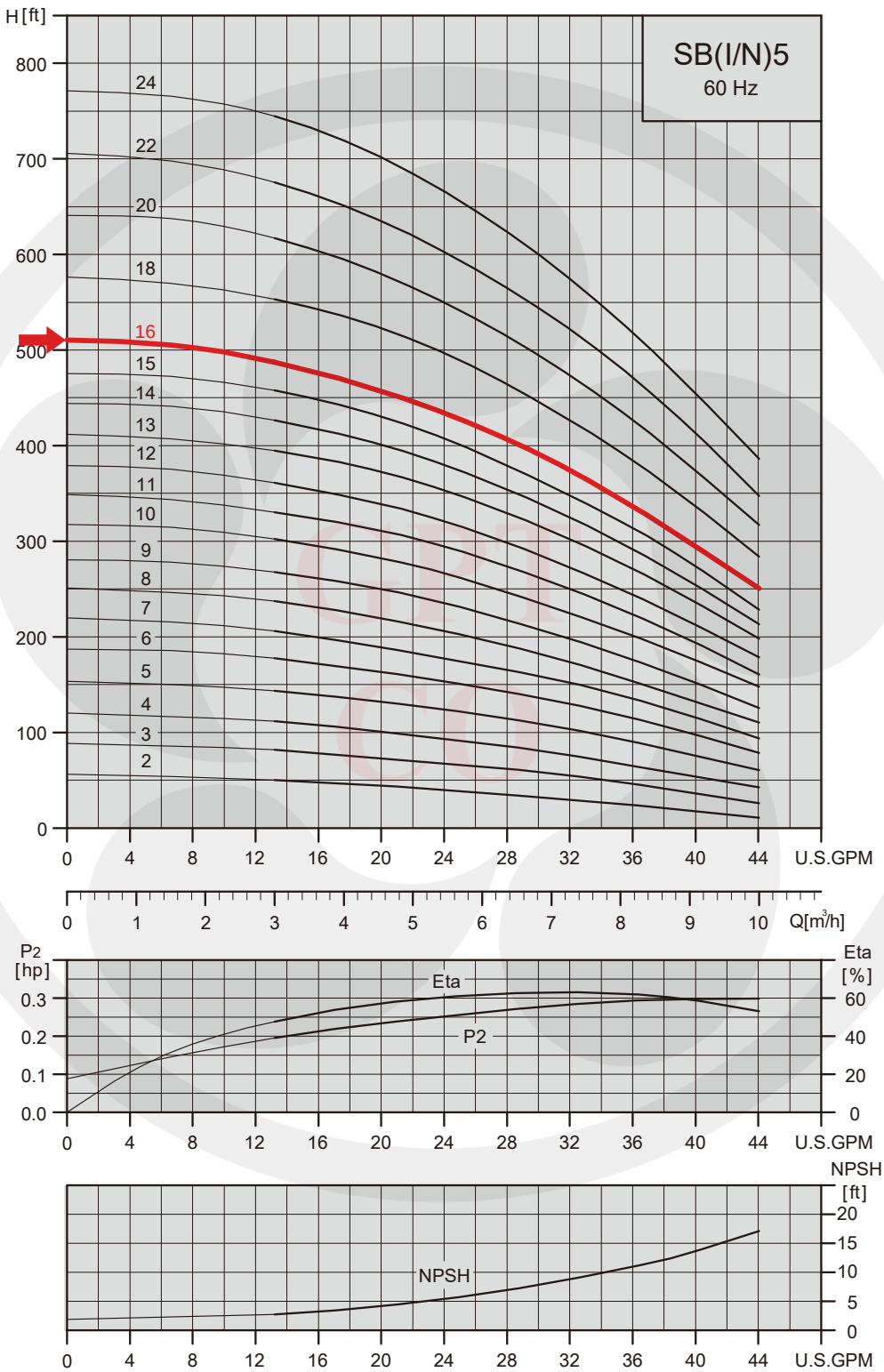
Project	Project ID	Created by	Created on	Last update

Technical Data

Vertical Multistage - SBI 5-16 1PH NEMA

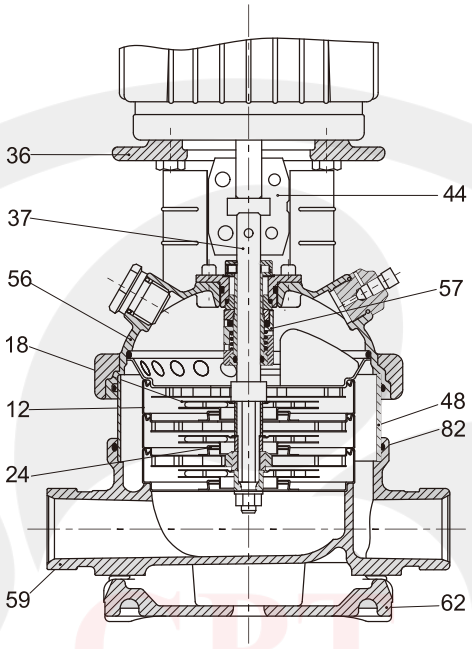
Revision no.	Page:
	2

	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		

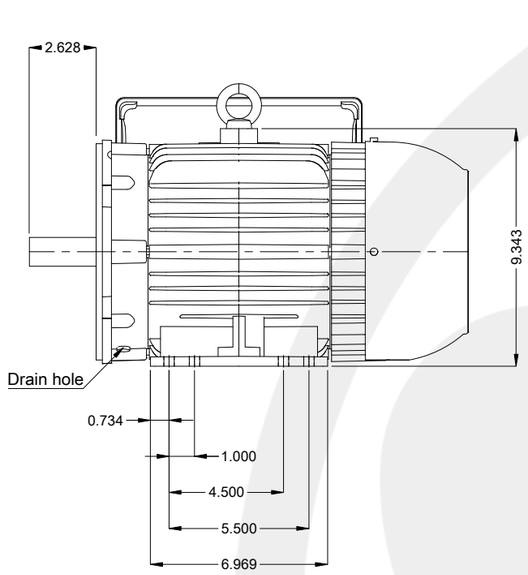
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

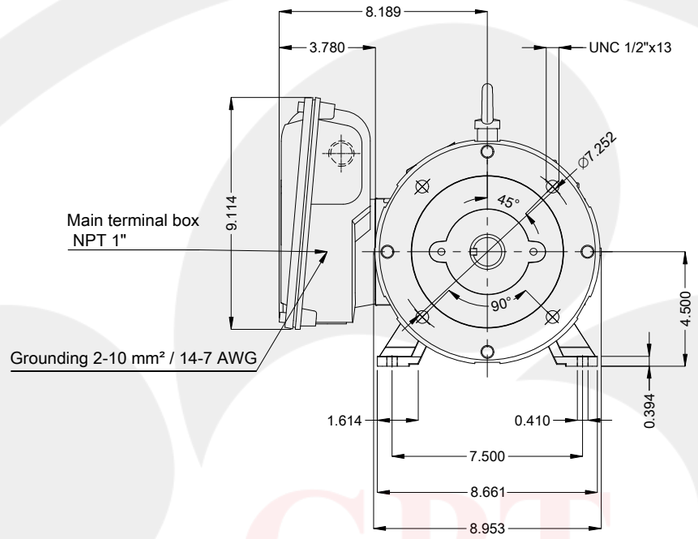
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

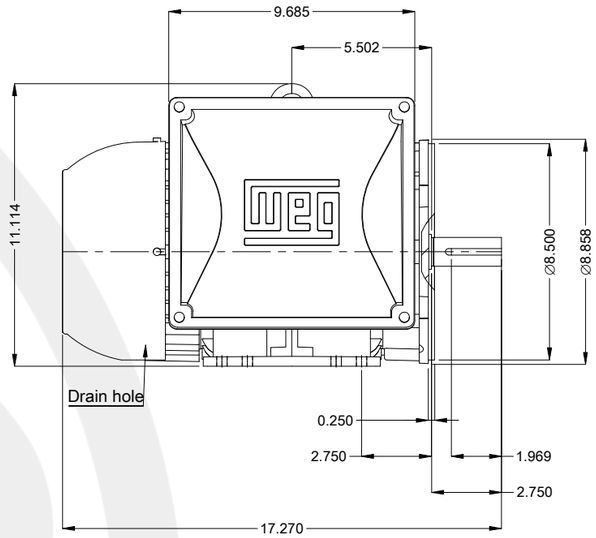
Rev.	Changes Summary	Performed	Checked	Date

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

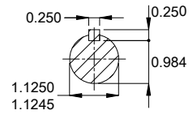
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DE Shaft End



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

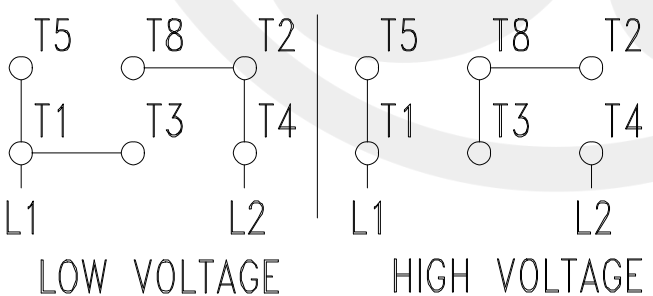
Electric Motor
Severe Duty

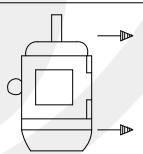
PH1 60Hz Fr. 182/4TC 1000m.a.s.l. IP55 TEFC 113lb

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

