Technical Data
Vertical Multistage - SBI 3-17 3PH NEMA

Revision no.	Page:
	1

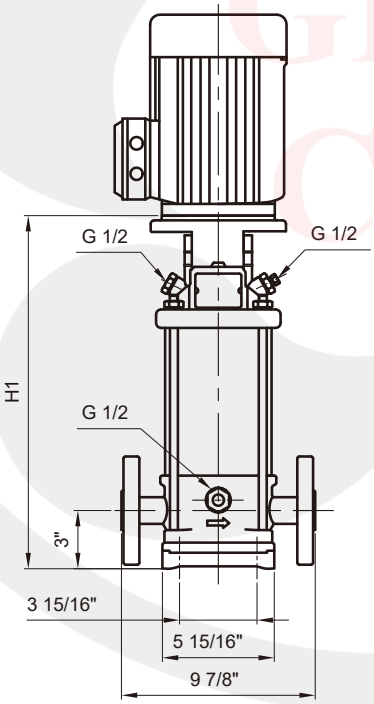
	Receiver	From
Company name		
Respons. Department		
Person in charge		
Phone number		
Fax no		
E-mail address		



Brand: G.P.T.CO

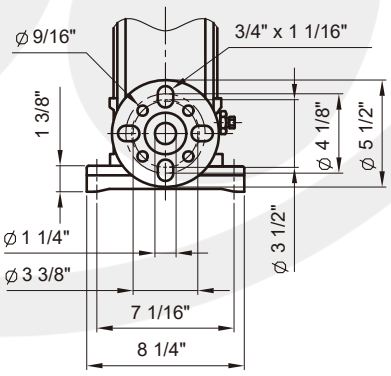
Model: SBI 3-17 3PH

Dimensions:



Max. Operating Pressure		Stage	Max. inlet Pressures
Stage	flange(ANSI)		
SBI 3		SBI 3	
2-25	362 Psi	2-17	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 3-17	3	2.2	3	182TC	22.89	50.2

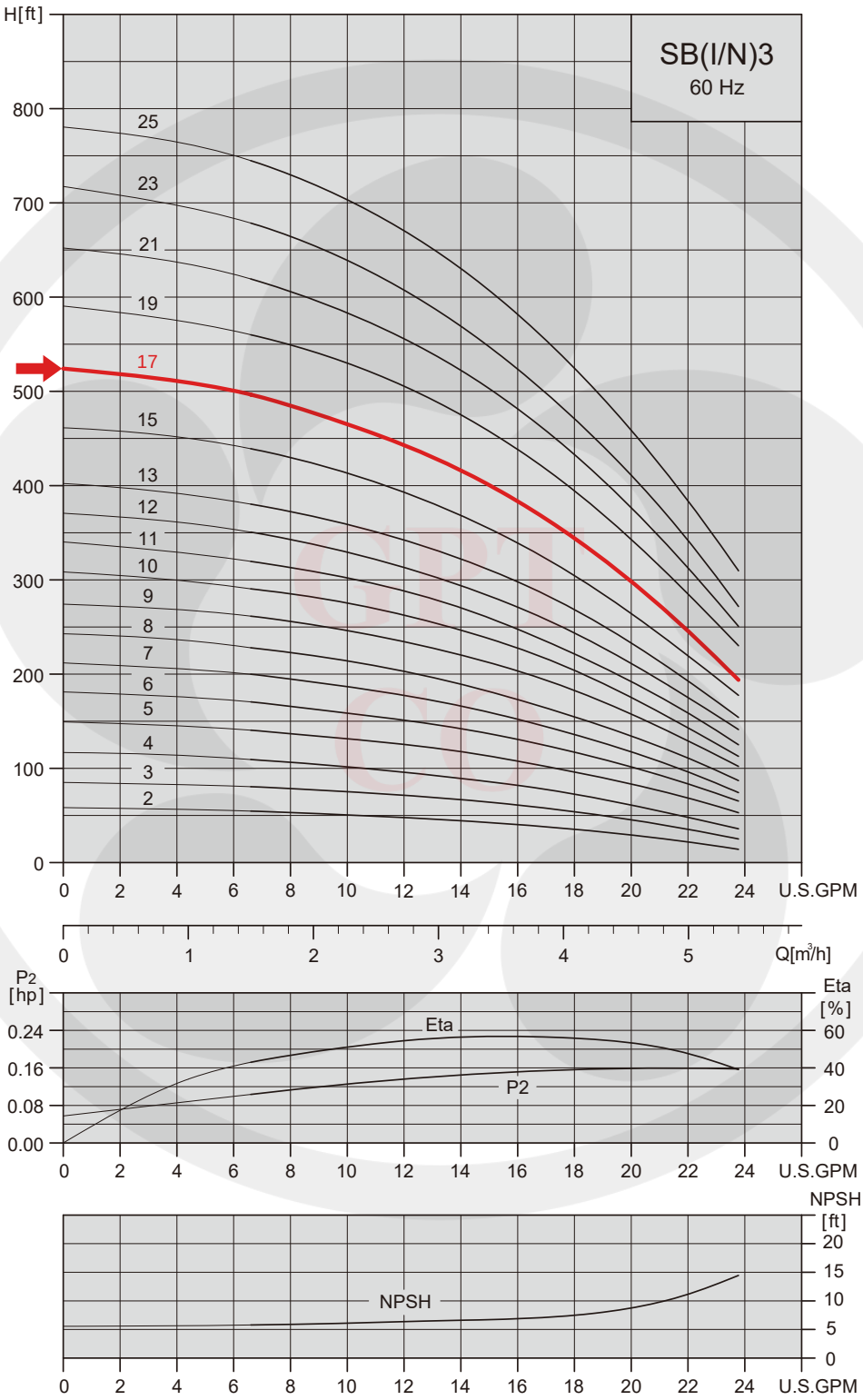
Project	Project ID	Created by	Created on	Last update

Technical Data

Vertical Multistage - SBI 3-17 3PH NEMA

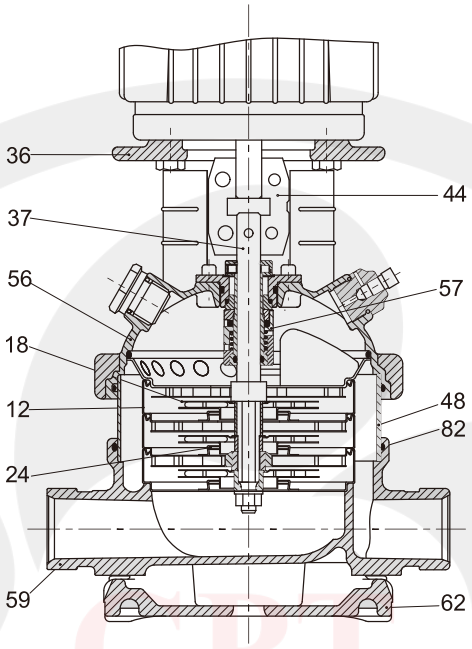
Revision no.	Page:
	2

	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		



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

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - TEFC - Nema Premium Efficiency Derating
Product code	: 12677333

Frame	: 182/4T	Locked rotor time	: 25 s (hot) 45 s (cold)
Output	: 3 HP (2.2 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	: 7.52/3.76 A	Protection degree	: IP55
L. R. Amperes	: 66.2/33.1 A	Cooling method	: IC411 - TEFC
LRC	: 8.8 Code K	Mounting	: W-6/V18R(D)
No load current	: 3.40/1.70 A	Rotation[1]	: Both
Rated speed	: 3515 rpm	Noise level[2]	: 68 dB(A)
Slip	: 2.36 %	Starting method	: Direct On Line
Rated torque	: 4.48 ft.lb	Approx. weight[3]	: 67.0 lb
Locked rotor torque	: 240 %	Design	: B
Pull up torque	: 200 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1566 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	84.0	86.5	86.5
Power Factor	0.70	0.80	0.85

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

	Drive end	Non drive end
Bearing type	6206-ZZ	6205-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
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)
14.17	10.45	10.22	8.58	4.81	3.55	2.21

Standards

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

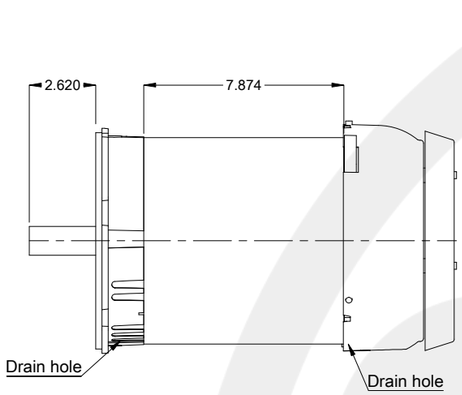
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

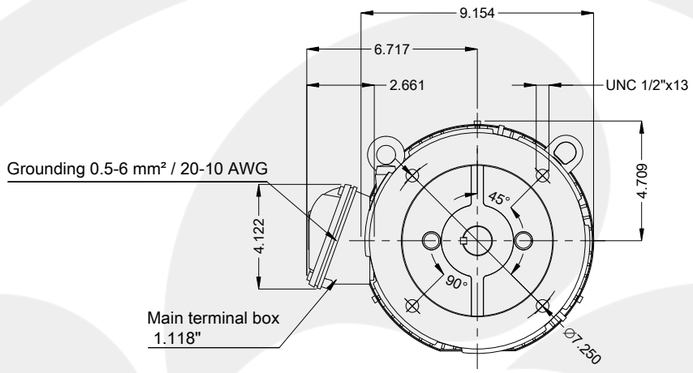
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

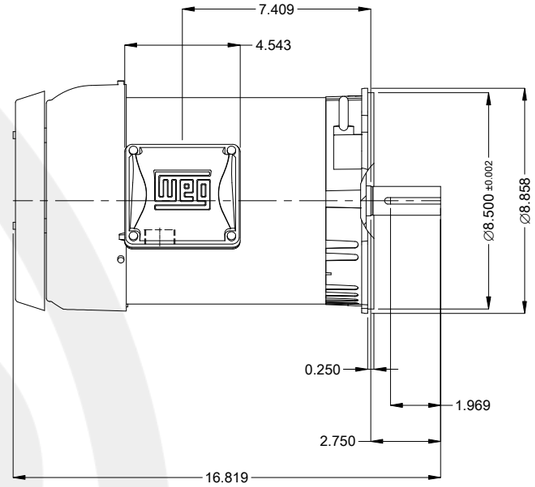
Rev.	Changes Summary	Performed	Checked	Date

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

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

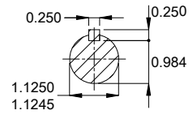






With drip cover
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET W-6/V18R(D)
Mounting W-6/V18R(D)

DE Shaft End



3 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	

THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.
FRAME 182/4TC IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

WEG's property. Forbidden reproduction without previous authorization.

NEMA PREMIUM

C UL US LISTED 3PT9 FOR SAFE AREA

C SA® US Energy Verified

MADE IN MÉXICO

MAT: 12677333 CC029A
W01.TE0IC0X0N
MODEL 00336ET3ER182TC-S

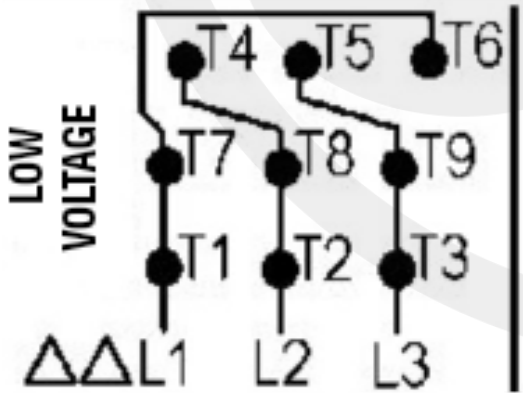
For 60Hz: Class I, Zone 2, IIC
Class I, Div.2, Gr. A,B,C,D - T3
Div 2 Inverter Duty (SF1.00)
CT 2:1/VT 1000:1

PH 3	Hz 60	HP	3.0
FR 182/4TC		kW	2.2
DUTY CONT.		V	230/460
ALT 1000 m.a.s.l		A	7.52/3.76
INS CL F DT 80K	IP55	SFA	8.65/4.32
AMB 40°C	DES B	SF	1.15
ENCL TEFC	CODE K	PF	0.85
		RPM	3515
		NEMA NOM. EFF	86.5%

ALTERNATE RATING: 2.0HP 50Hz 190-220/380-415V SF1.15
6.56-6.02/3.28-3.19A 2920RPM EFF 85.9% (IE3) IEC 60034-1

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

DE 6206-ZZ	ODE 6205-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.