	Technical Data Vertical Multistage - SBI 20-6 3PH NEMA	Revision no.	Page: 1

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

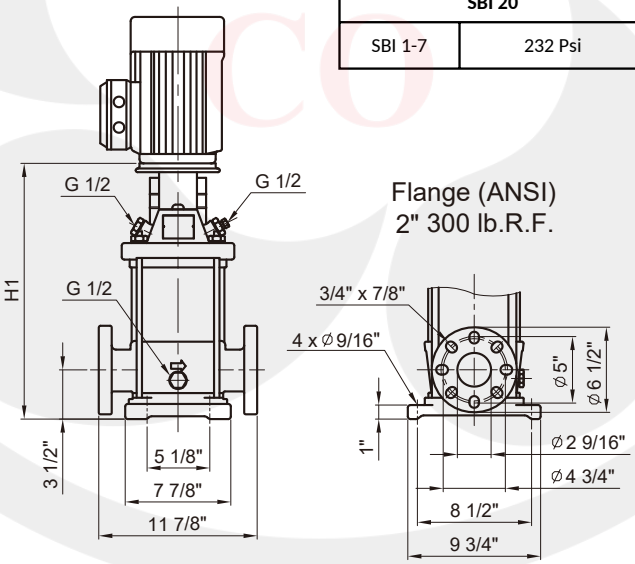


Brand: G.P.T.CO

Model: SBI 20-6 3PH

Dimensions:

Max. Operating Pressure		Stage	Max. inlet Pressures
Stage	flange(ANSI)		
SBI 20		SBI 20	
SBI 1-7	232 Psi	2-10	145 Psi



Pump type	Recommend motor of HP			SBI		
	P2			NEMA Frame	Dimension[inch]	Weights[lbs]
	[HP]	[kW]	[PH]		ANSI flange	ANSI flange
					H1	
SBI 20-6	15	11	3	254TC	27.46	112.8

Project	Project ID	Created by	Created on	Last update

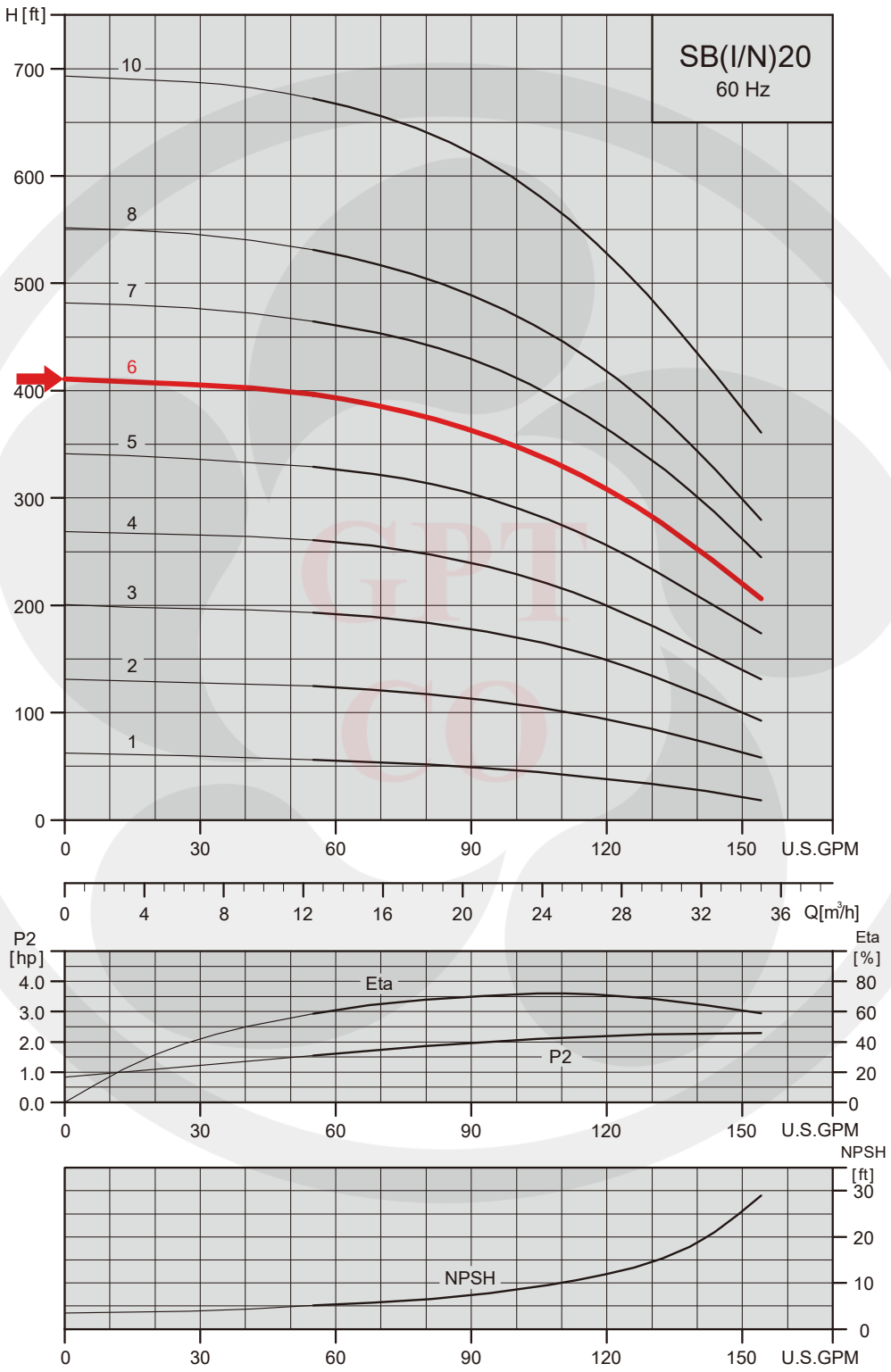
Technical Data

Vertical Multistage - SBI 20-6 3PH NEMA

Revision no.

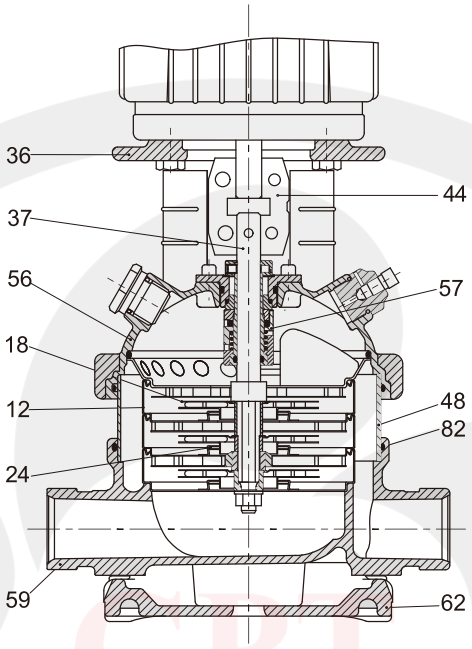
Page: 2

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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 - Nema Premium Efficiency Derating
Product code	: 13041121

Frame	: 254/6T	Locked rotor time	: 14 s (hot) 25 s (cold)
Output	: 15 HP (11 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	: 34.8/17.4 A	Protection degree	: IP55
L. R. Amperes	: 237/118 A	Cooling method	: IC411 - TEFC
LRC	: 6.8 Code G	Mounting	: F-1/B14R(D)
No load current	: 10.4/5.20 A	Rotation[1]	: Both
Rated speed	: 3525 rpm	Noise level[2]	: 75 dB(A)
Slip	: 2.08 %	Starting method	: Direct On Line
Rated torque	: 22.3 ft.lb	Approx. weight[3]	: 175 lb
Locked rotor torque	: 200 %	Design	: B
Pull up torque	: 150 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.8709 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	89.5	91.0	91.0
Power Factor	0.73	0.83	0.87

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

	Drive end	Non drive end
Bearing type	6309-Z-C3	6208-Z-C3
Lubrication interval	15797 h	20000 h
Lubricant amount	13 g	8 g
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)
10.03	8.15	7.38	5.49	3.54	2.50	1.72

Standards

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

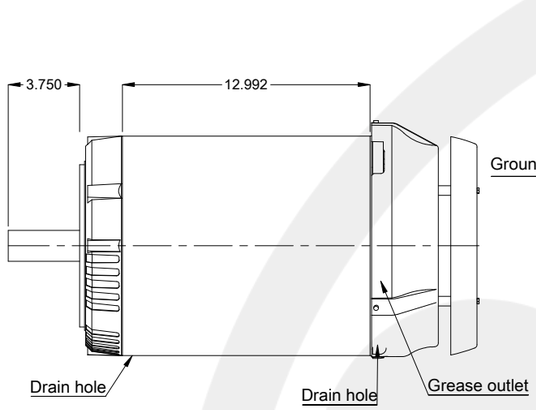
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

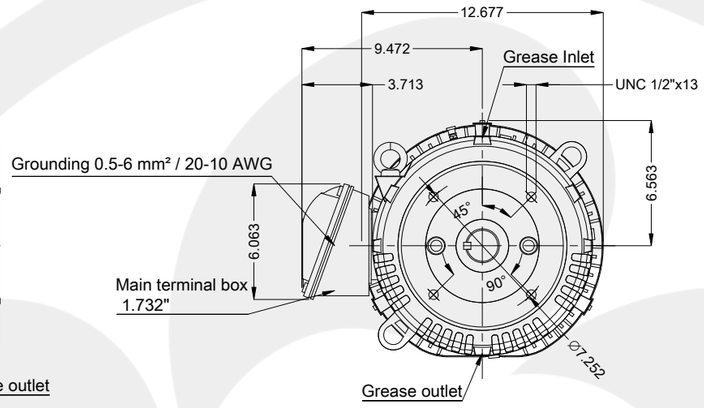
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

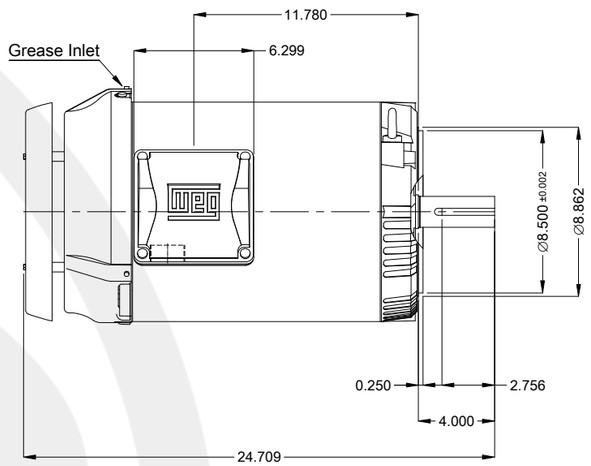
Rev.	Changes Summary	Performed	Checked	Date

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

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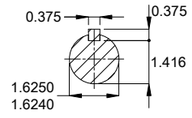






With drip cover
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B14R(D)
Mounting F-1/B14R(D)

DE Shaft End



15 HP 02 Poles 60 Hz | A

Scale 1 : 8

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 254/6TC IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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NEMA PREMIUM

C UL US LISTED 3PT9 FOR SAFE AREA

C SA US Energy Verified

MADE IN MÉXICO

MAT: 13041121 CC029A
W01.TE0IC0X0N
MODEL 01536ET3ER254TC-S

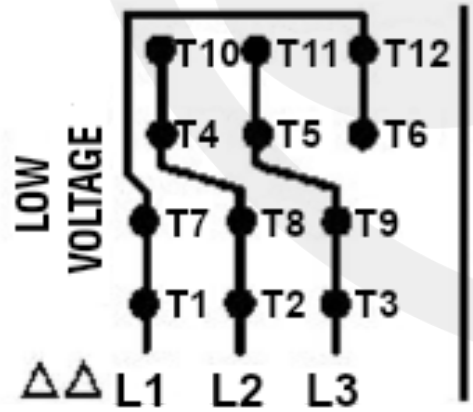
For 60Hz: Class I, Zone 2, IIC
Class I, Div.2, Gr. A,B,C,D - T3
Div 2 Inverter Duty (SF1.00)
CT 2:1/VT 1000:1

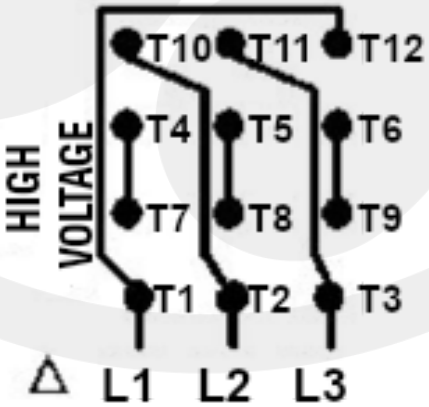
PH 3	Hz 60	HP	15
FR 254/6TC		kW	11
DUTY CONT.		V	230/460
ALT 1000 m.a.s.l		A	34.8/17.4
INS CL F DT 80K	IP55	SFA	40.0/20.0
AMB 40°C	DES B	SF	1.15
ENCL TEFC	CODE G	PF	0.87
		RPM	3525
		NEMA NOM. EFF	91.0%

ALTERNATE RATING: 10HP 50Hz 190-220/380-415V SF1.00
29.2-26.8/14.6-14.2A 2940RPM EFF 90.5% (IE3) IEC 60034-1

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

DE 6309-Z-C3	ODE 6208-Z-C3	MOBIL POLYREX EM	15797h





T1-BLU T2-WHT
T3-ORG T4-YEL
T5-BLK T6-GRY
T7-PNK T8-RED
T9-RED BRK
T10-CURRY
T11-GRN T12-VLT

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.