



Technical Data - Pump

Vertical Multistage Pump Nema - SBN 45-2 NEMA

Revision no.

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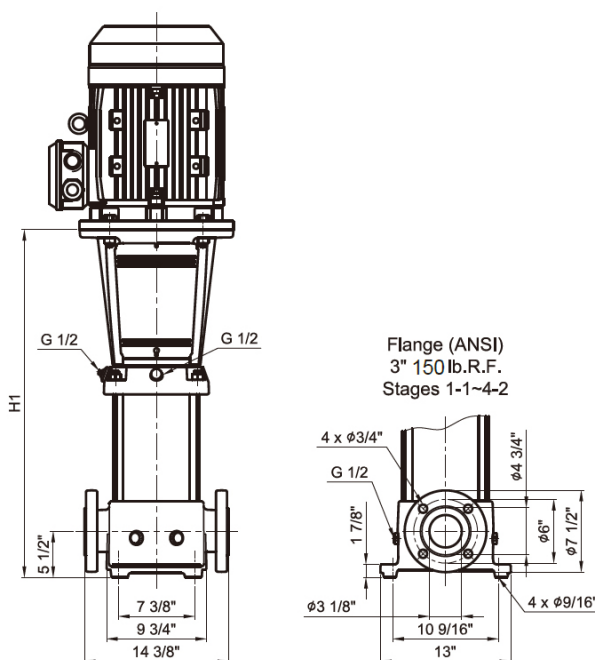
Receiver

From

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

**Pump Brand: Gol Pumps****Model: SBN 45-2 NEMA****Motor Brand: WEG****Model: 01536ET3ER254TC-S**

Pump Dimensions:



60Hz Pump type	Motor P2		Volts	SBI		
				NEMA Frame	Dimensions[inch]	Weights[lbs]
	[KW]	[HP]	Three phase		ANSI flange H1	ANSI flange
SBN 45-2	11	15	208-230/440-460V	254 TSC	29.55	172.6

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Performance Curves

Vertical Multistage Pump Nema - SBN 45-2 NEMA

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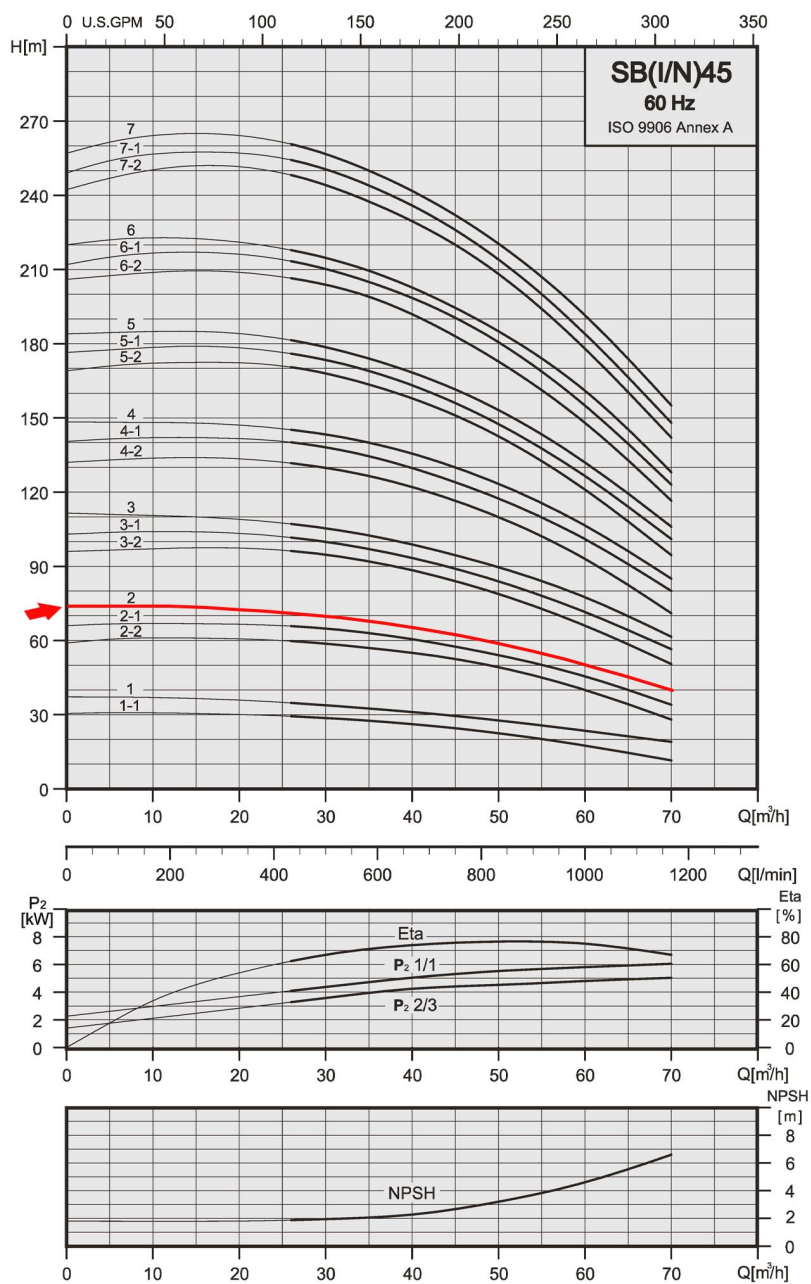
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Model	Port Size (in.)		Flow	HP	Volts	Amps	Phase	Max. Head	Max. Suction	Max. PSI
	DNA	DNM	GPH		V	I Max.	Ph	Ft.	Ft.	
SBN 45-2	3	3	18600	15	230/460	34.8/17.4	Three	245	17	108.8



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Parts and Materials

Vertical Multistage Pump Nema - SBN 45-2 NEMA

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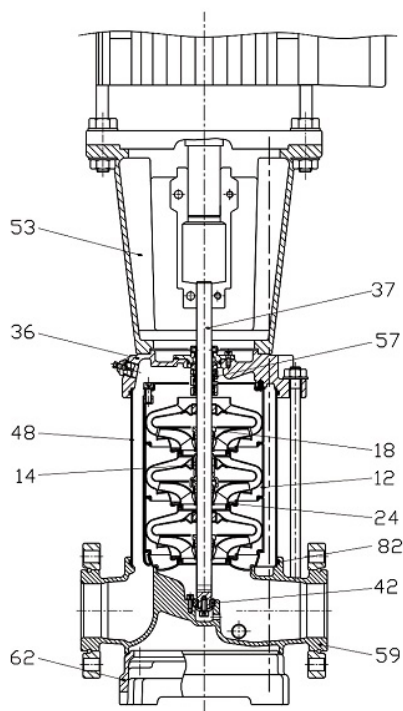
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Parts List

Material

Standard

36	Pump Head	Stainless Steel	AISI 316
53	Motor Bracket	Cast Iron	ASTM 35B
18	Impeller	Stainless Steel	AISI 316
37	Shaft	Stainless Steel	AISI 316
48	Outer Sleeve	Stainless Steel	AISI 316
82	O-ring for Outer Sleeve	EPDM	
12	Chamber	Stainless Steel	AISI 316
24	Neck Ring	Carbon Fiber + POB + PTFE	
59	Base	Stainless Steel	AISI 316
62	Base Plate	Cast Iron	ASTM 35B
57	Mechanical Seal	Cartridge Type	
14	Bearing Ring	POB + Graphite + PTFE	
42	Bottom Bearing Ring	Tungsten Carbide	

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Technical Data - Motor

Vertical Multistage Pump Nema - SBN 45-2 NEMA

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Receiver

From

Company name

Respons. Department

Person in charge

Phone number

Fax no

E-mail address

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 13041121

Catalog # : 01536ET3ER254TC-S

Frame : 254/6TC
Output : 15 HP (11 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 34.8/17.4 A
L. R. Amperes : 237/118 A
LRC : 6.8x(Code G)
No load current : 13.0/6.50 A
Rated speed : 3525 rpm
Slip : 2.08 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.8718 sq.ft.lb
Design : B

Locked rotor time : 25s (cold) 14s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 75.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 201 lb

Output	25%	50%	75%	100%
Efficiency (%)	89.2	89.5	91.0	91.0
Power Factor	0.47	0.73	0.83	0.87

Foundation loads
Max. traction : 221 lb
Max. compression : 422 lb

	Drive end	Non drive end
Bearing type	: 6309 Z C3	6208 Z C3
Sealing	: V'Ring	Without Bearing Seal
Lubrication interval	: 15797 h	20000 h
Lubricant amount	: 13 g	8 g
Lubricant type	: Mobil Polyrex EM	

Notes:

USABLE @208V 38.5A SF 1.00 SFA 38.5A

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 +3dB(A).
- (3) Approximate weight subject to changes 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.

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Dimensions and Nameplate

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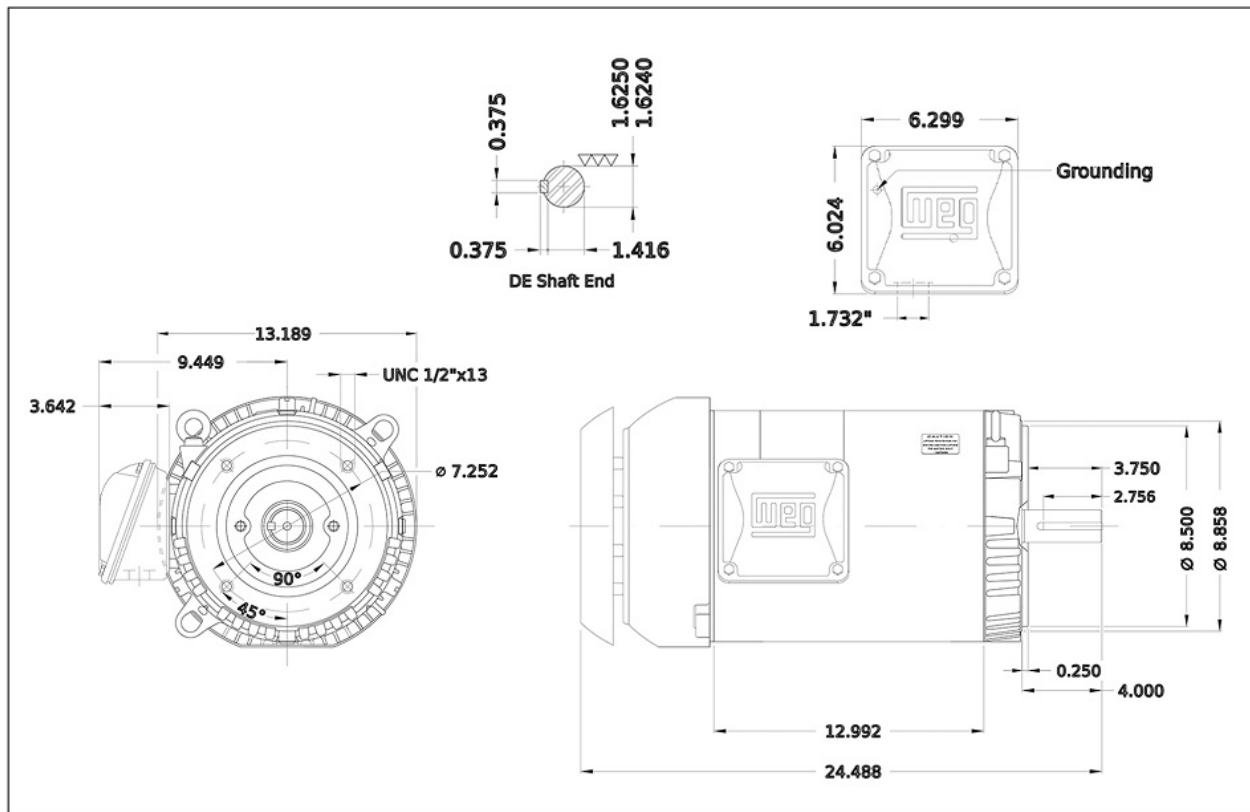
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Receiver

From

Company name
Respons. Department
Person in charge
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Motor Dimensions:



Motor Nameplate:



MADE IN MEXICO

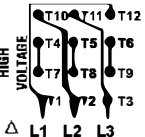
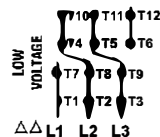
MAT: 13041121 CC029A

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 AT 80K	IP55	SFA 40.0/20.0
AMB 40°C	IDES B	SF 1.15
ENCL TEFC	ICODE G	PF 0.87
		RPM 3525
		NEMA NOM. EFF 91.0%
ALTERNATE RATING: 12.5HP	50Hz	190-220/380-415V
35.4-31.3/17.7-16.6A	2920RPM	EFF 89.8% (IE2) IEC 60034-1
For safe area-Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 10:1 CT		
DE 6309-Z-C3	IODE 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.

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