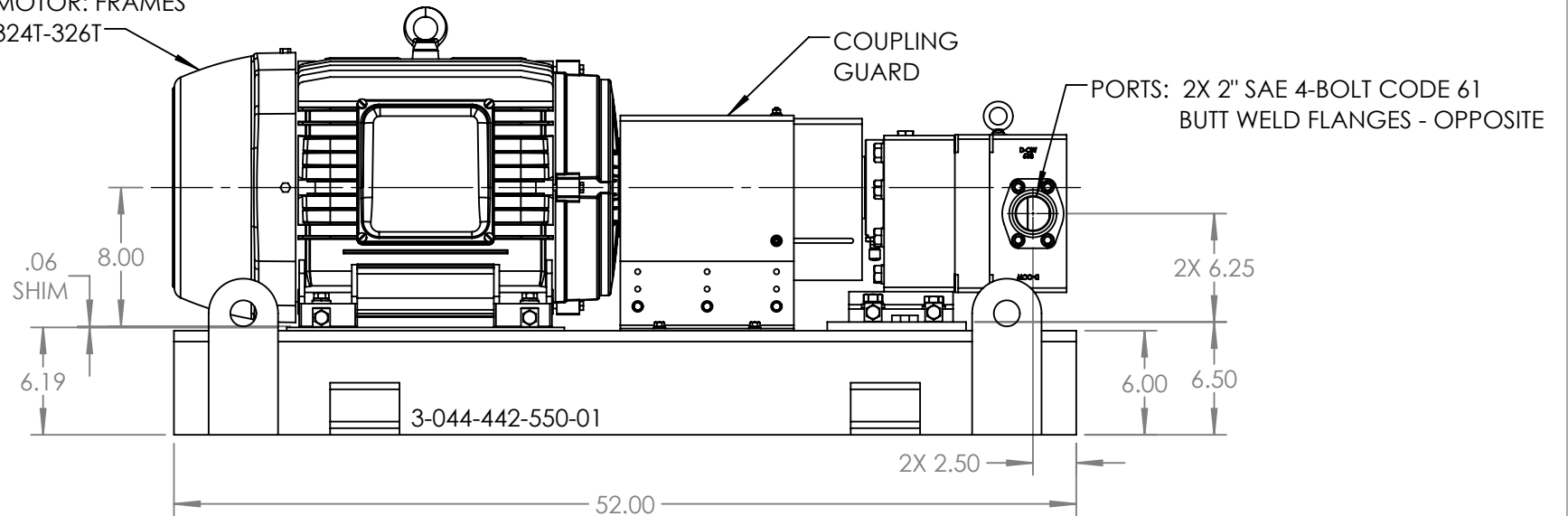


MOTOR: FRAMES
324T-326T



MODELS: GP-41420-G00-D, GP-41420-G10-D, GP-41420-N00-D, GP-41420-N10-D,
GP-41420-K00-D, GP-41420-K10-D, GB-41420-K00-D, GB-41420-K10-D,
GB-41420-N00-D, GB-41420-N10-D, GB-41420-R00-D, GB-41420-R10-D

NOTES:

1. COUPLING GUARD NOT SHOWN IN TOP VIEW.
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

STATE	Released	08/03/2020
DRAWN	DLende	11/28/2017
CHECKED	GDJ	07/30/2020

DIMENSIONS ARE IN
INCHES
PROJECT: E251
WAS:



VIKING PUMP, INC.
A Unit of IDEX Corporation
Cedar Falls, IA 50613
U.S.A.

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3D

DWG. NO. SHEET 1 OF 1
GPV-1420-063-U

REV. E.0
08/03/2020



No.:

Date: 08-DEC-2014

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 NEMA Premium - Ball Bearings

Catalog Number : 05018ET3E326T-W22

List Price : \$5,100

Notes:

Performed by:

Checked:



No.:

Date: 08-DEC-2014

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame : 324/6T
Output : 50 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1775
Slip : 1.39 %
Voltage : 208-230/460 V
Rated current : 131-118/59.2 A
Locked rotor current : 734/367 A
Locked rotor current (I_L/I_n) : 6.2
No-load current : 50.0/25.0 A
Full load torque : 146 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 536 lb
Moment of inertia : 9.1624 sq.ft.lb
Noise level : 66 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 C3	6212 C3	100%	0.83	94.5
Regreasing interval	20000 h	20000 h	75%	0.77	94.1
Grease amount	21 g	13 g	50%	0.66	93.0

Notes:

Performed by

Checked

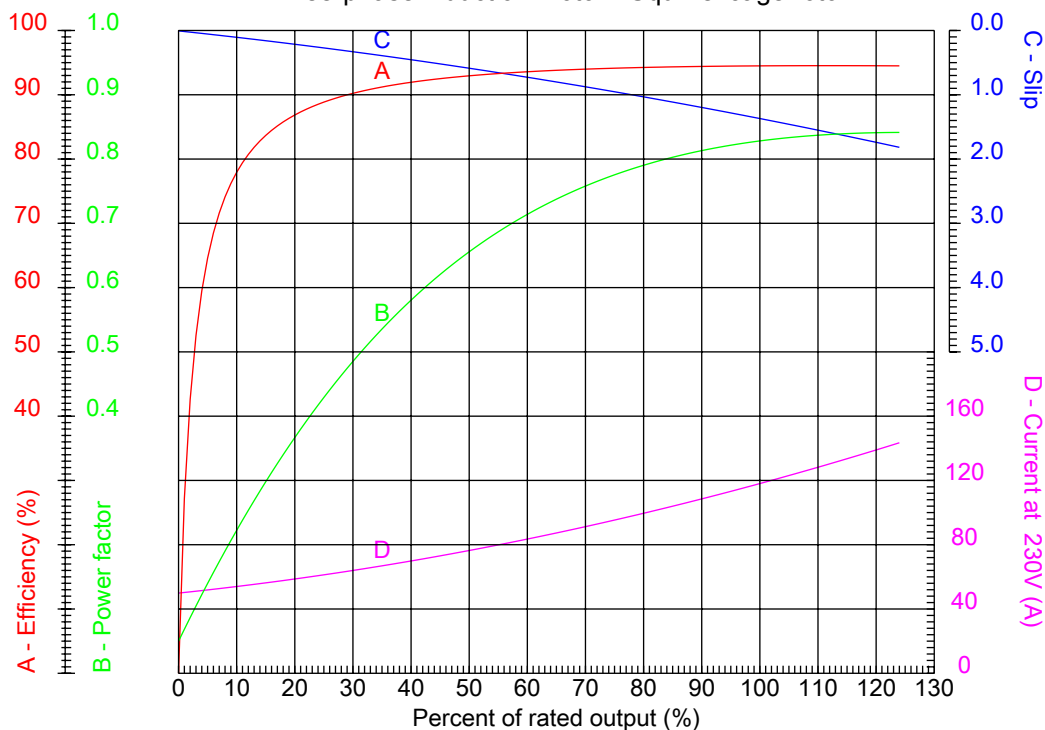


No.:

Date: 08-DEC-2014

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame	: 324/6T	Locked rotor current (I _l /I _n)	: 6.2
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1775	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 131-118/59.2 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

Checked

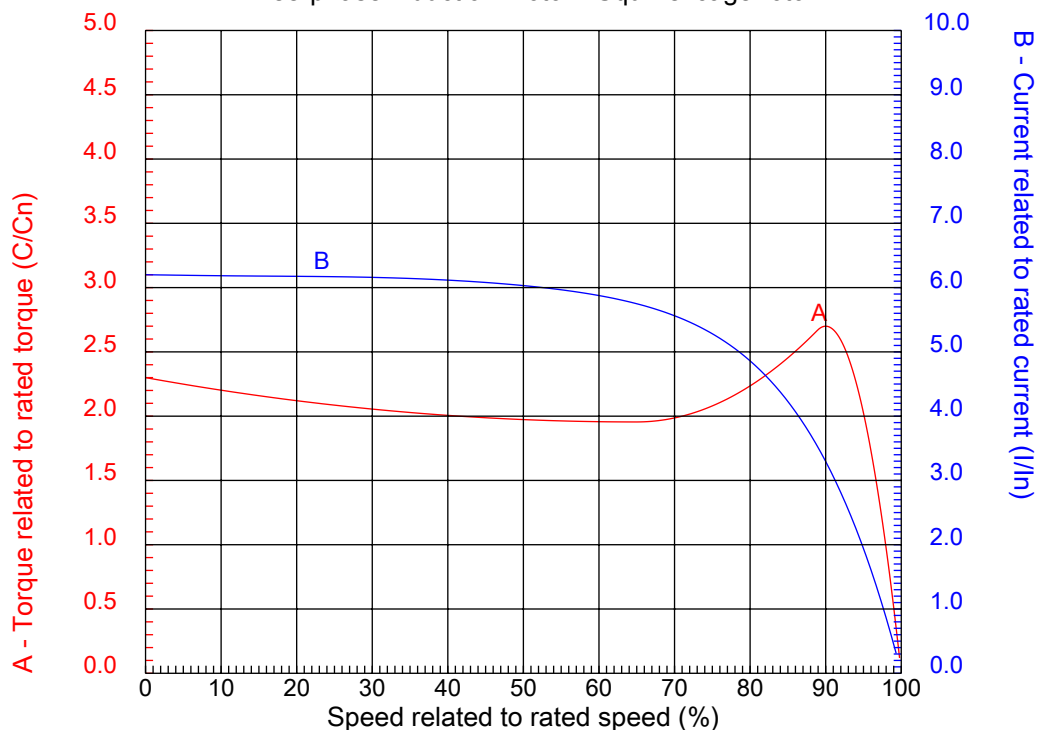


No.:

Date: 08-DEC-2014

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



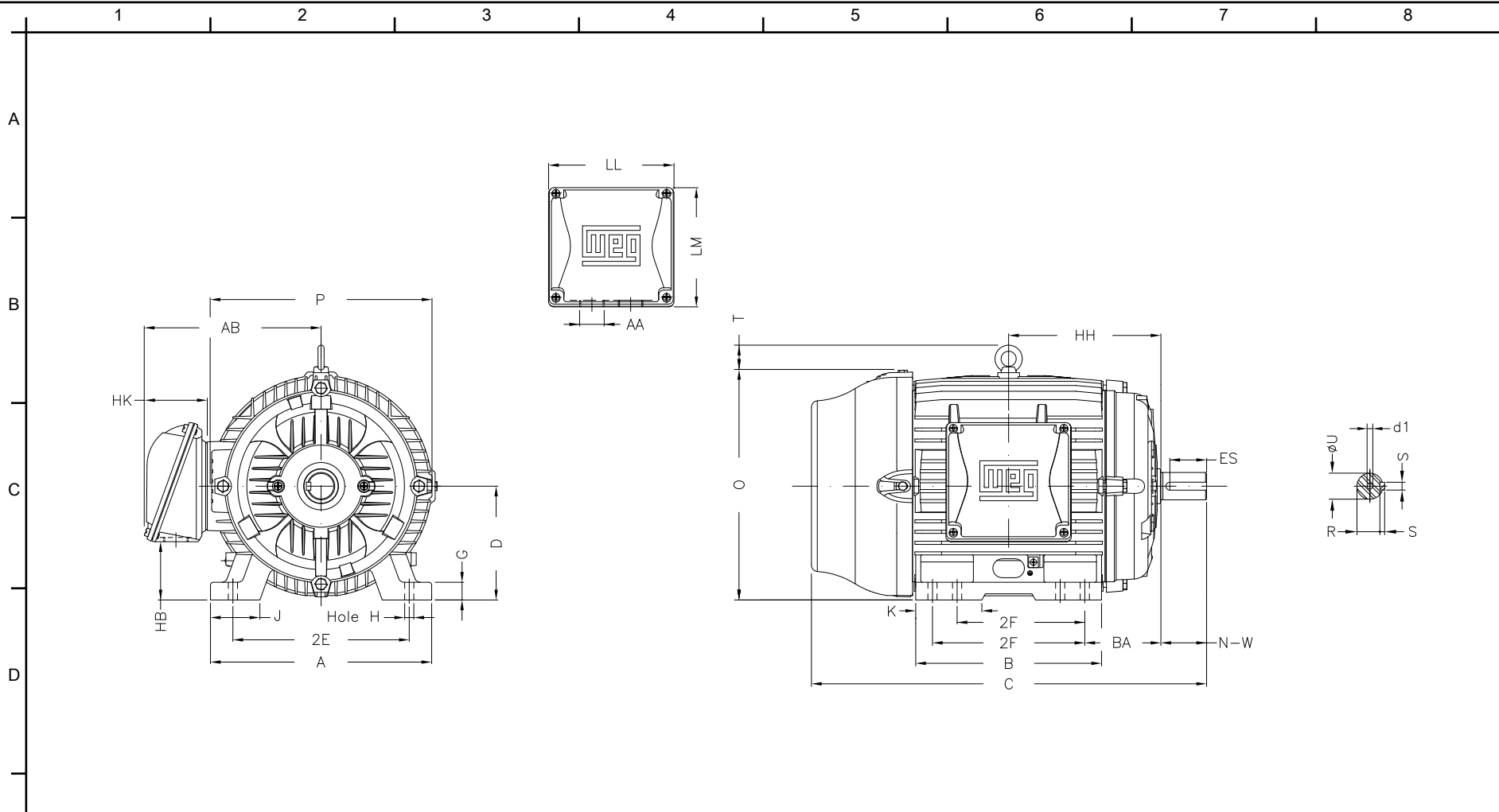
Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame	: 324/6T	Locked rotor current (I _l /I _n)	: 6.2
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1775	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 131-118/59.2 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

Checked



Notes:

2E 12.500	J 3.189	A 15.157	P 15.827	AB 12.575
2F 10.500/12.000	K 3.189	B 14.567	BA 5.250	FBA 8.738
U 2.125	N-W 5.250	ES 3.937	S 0.500	R 1.844
depth 0.500	D 8.000	G 1.300	HB 4.811	O 15.953
T 2.441	HF 8.708	HH 11.250	HK 4.705	H 0.657
C 31.116	FC 35.860	LL 9.055	LM 8.661	AA NPT 2"
d1 A 4				

Performed by:


Checked:

Customer:

W22 NEMA Premium - Ball Bearings

Three-phase induction motor
Frame 324/6T - IP55

08-DEC-2014



1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

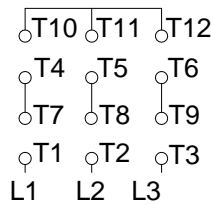
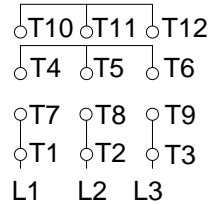
HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



Notes:

Performed by:

Checked:

Customer:

W22 NEMA Premium - Ball Bearings

Three-phase induction motor
Frame 324/6T - IP55

08-DEC-2014

