

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. GPV-1420-060-U
 SHEET 1 OF 1

REV. E.0
 08/03/2020



No.:

Date: 23-JUN-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 NEMA Premium - Ball Bearings

Catalog Number : 00718ET3E213T-W22

List Price : \$ Contact Us!

Notes:

Performed by:

Checked:



No.:

Date: 23-JUN-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame : 213/5T
Output : 7.5 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 19.9-18.4/9.18 A
Locked rotor current : 130/65.2 A
Locked rotor current (I_L/I_n) : 7.1
No-load current : 8.10/4.05 A
Full load torque : 22.0 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 310 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 154 lb
Moment of inertia : 1.3436 sq.ft.lb
Noise level : 58 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6308 ZZ	6207 ZZ	100%	0.82	91.7
Regreasing interval	---	---	75%	0.76	91.0
Grease amount	---	---	50%	0.66	89.5

Notes:

Performed by

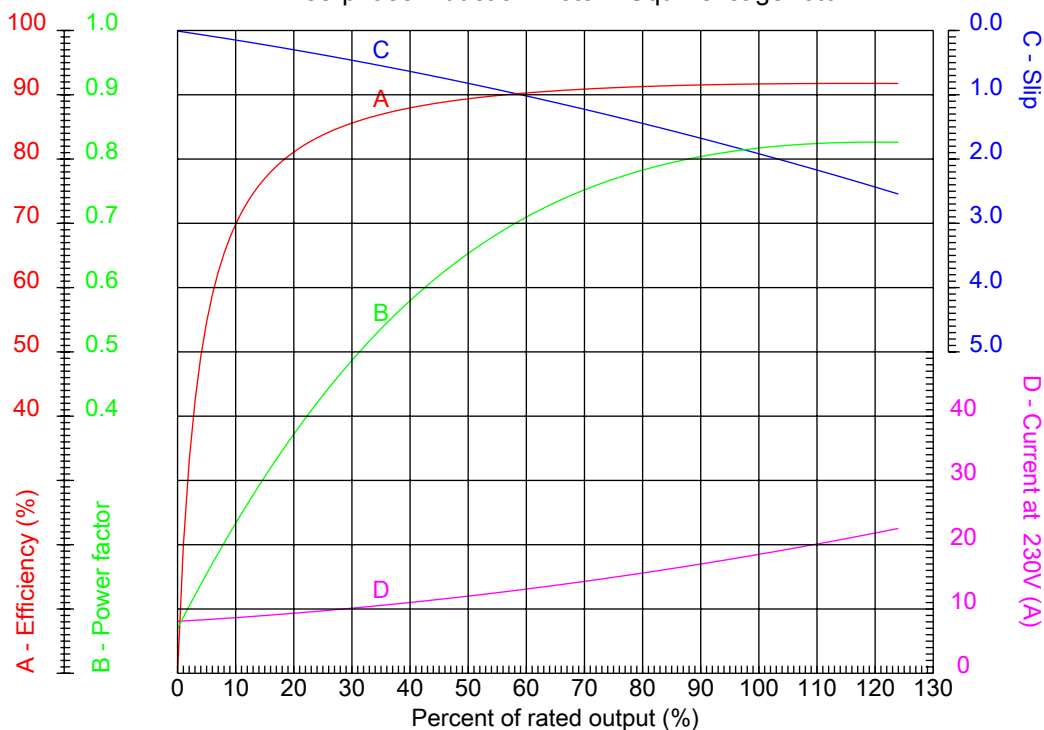
Checked



No.:

Date: 23-JUN-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame	: 213/5T	Locked rotor current (I _l /I _n)	: 7.1
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1765 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 19.9-18.4/9.18 A	Breakdown torque	: 310 %
Insulation class	: F		

Notes:

Performed by

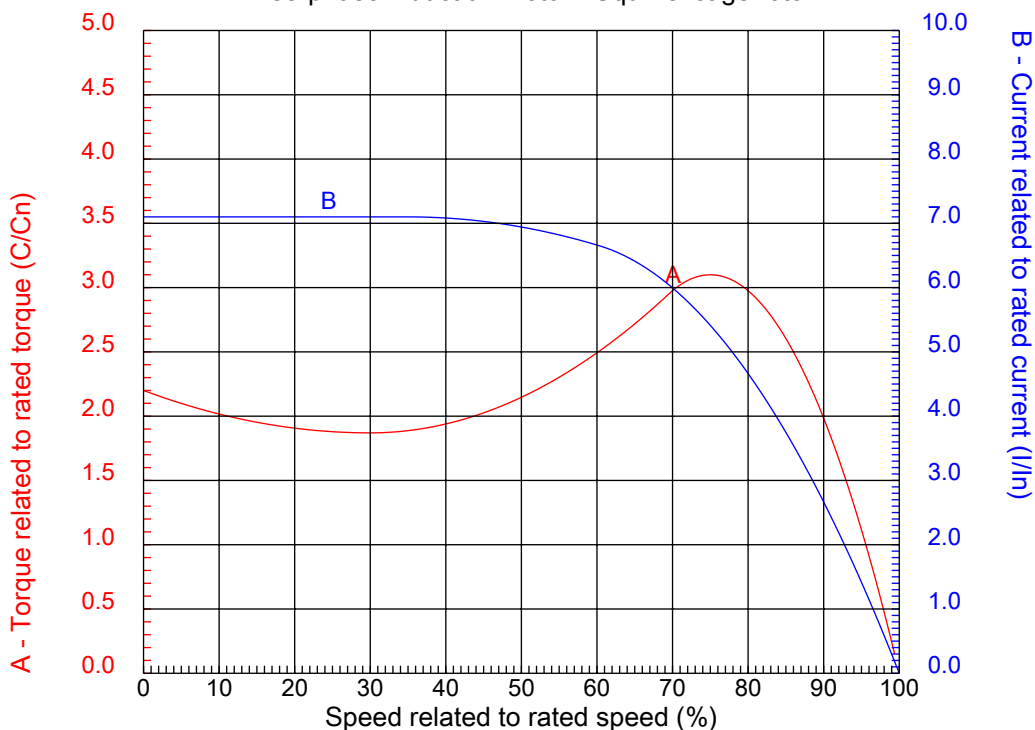
Checked



No.:

Date: 23-JUN-2016

CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



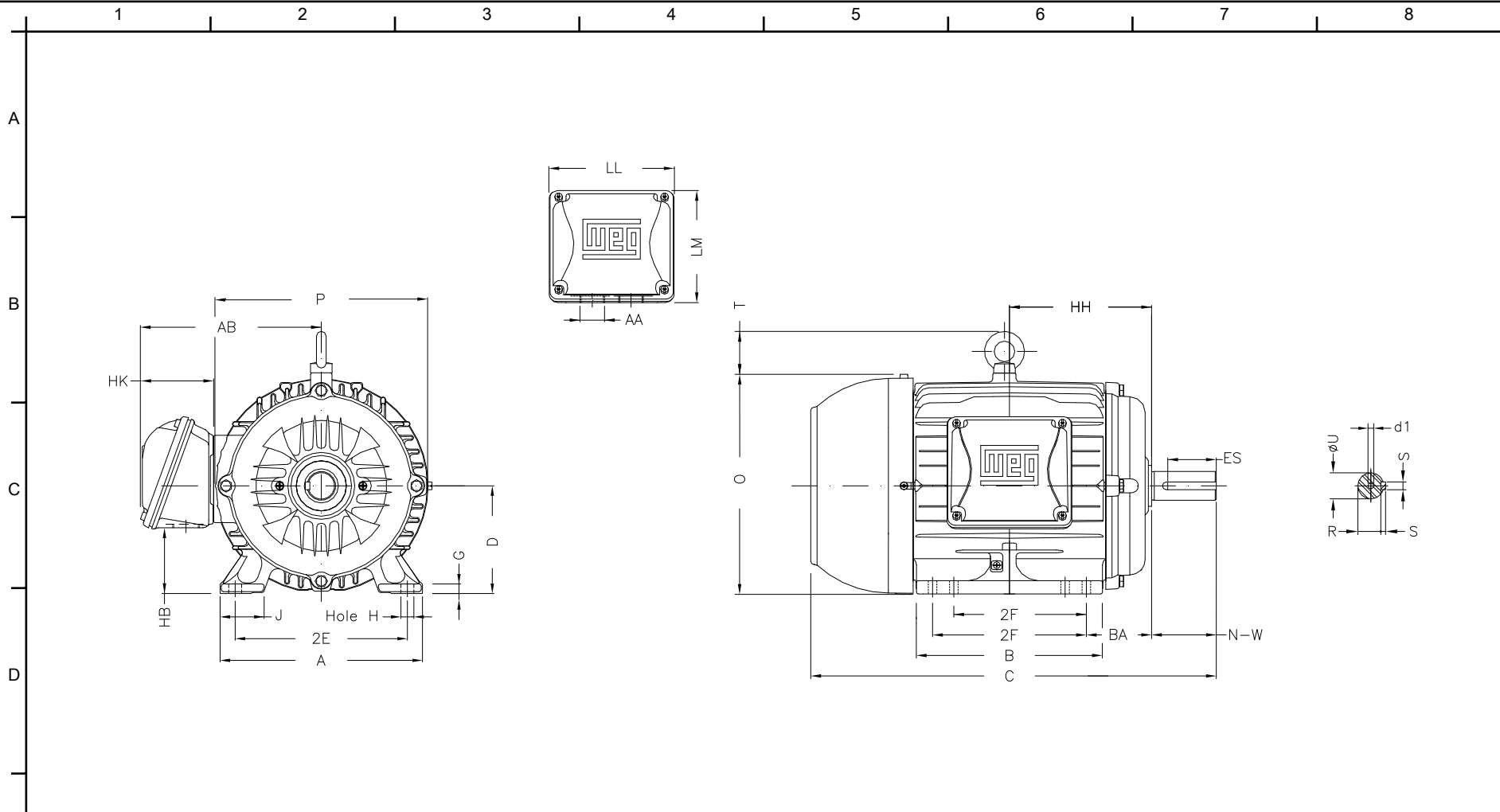
Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame	: 213/5T	Locked rotor current (I _l /I _n)	: 7.1
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1765 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 19.9-18.4/9.18 A	Breakdown torque	: 310 %
Insulation class	: F		

Notes:

Performed by

Checked



Notes:

2E 8.500	J 1.772	A 9.764	P 10.669	AB 8.583
2F 5.500/7.000	K 2.165	B 8.858	BA 3.500	FBA 5.921
U 1.375	N-W 3.375	ES 2.480	S 0.313	R 1.203
depth 0.313	D 5.250	G 0.669	HB 2.985	O 10.841
T 1.772	HF 5.250	HH 7.000	HK 3.150	EV 0.929
H 0.410	C 19.517	FC 22.546	LL 5.512	LM 5.236
AA NPT 1"	d1 A 4			

Performed by:


Checked:

Customer:

W22 NEMA Premium - Ball Bearings

Three-phase induction motor
Frame 213/5T - IP55

23-JUN-2016

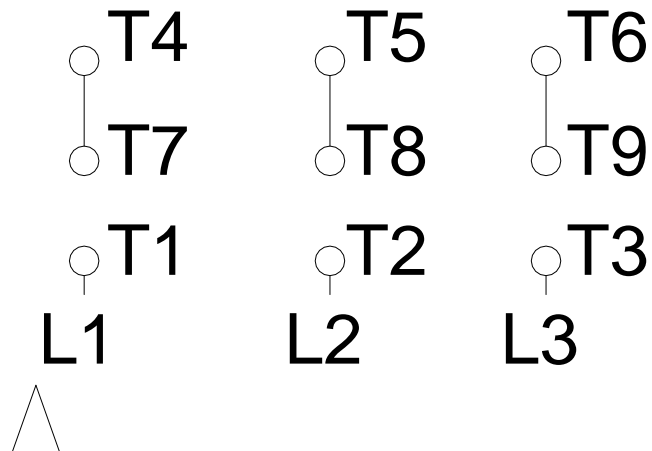
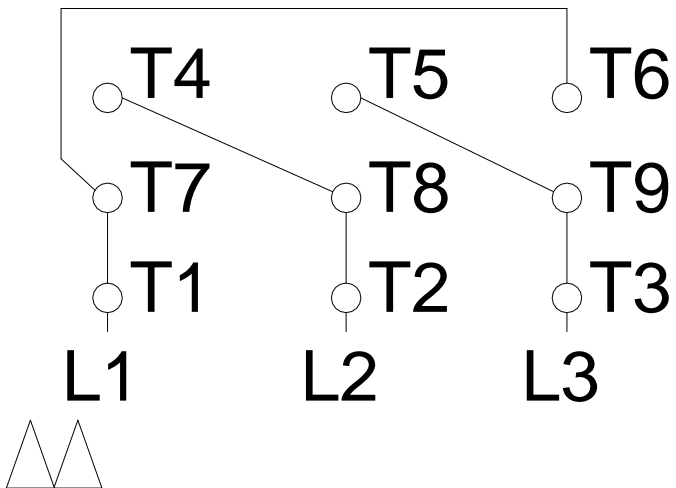


1 2 3 4 5 6 7 8

LOW VOLTAGE

HIGH VOLTAGE

A
B
C
D
E
F



Notes:		
Performed by:		
Checked:		
Customer:		
W22 NEMA Premium - Ball Bearings		
Three-phase induction motor Frame 213/5T - IP55	23-JUN-2016	