

PRODUCT INFORMATION PACKET



Model No: 141289.00

Catalog No: 141289.00

Special Voltage Motor, 7.50 HP, 3 Ph, 60 Hz, 200/400 V, 1800 RPM, 213T Frame, TEFC



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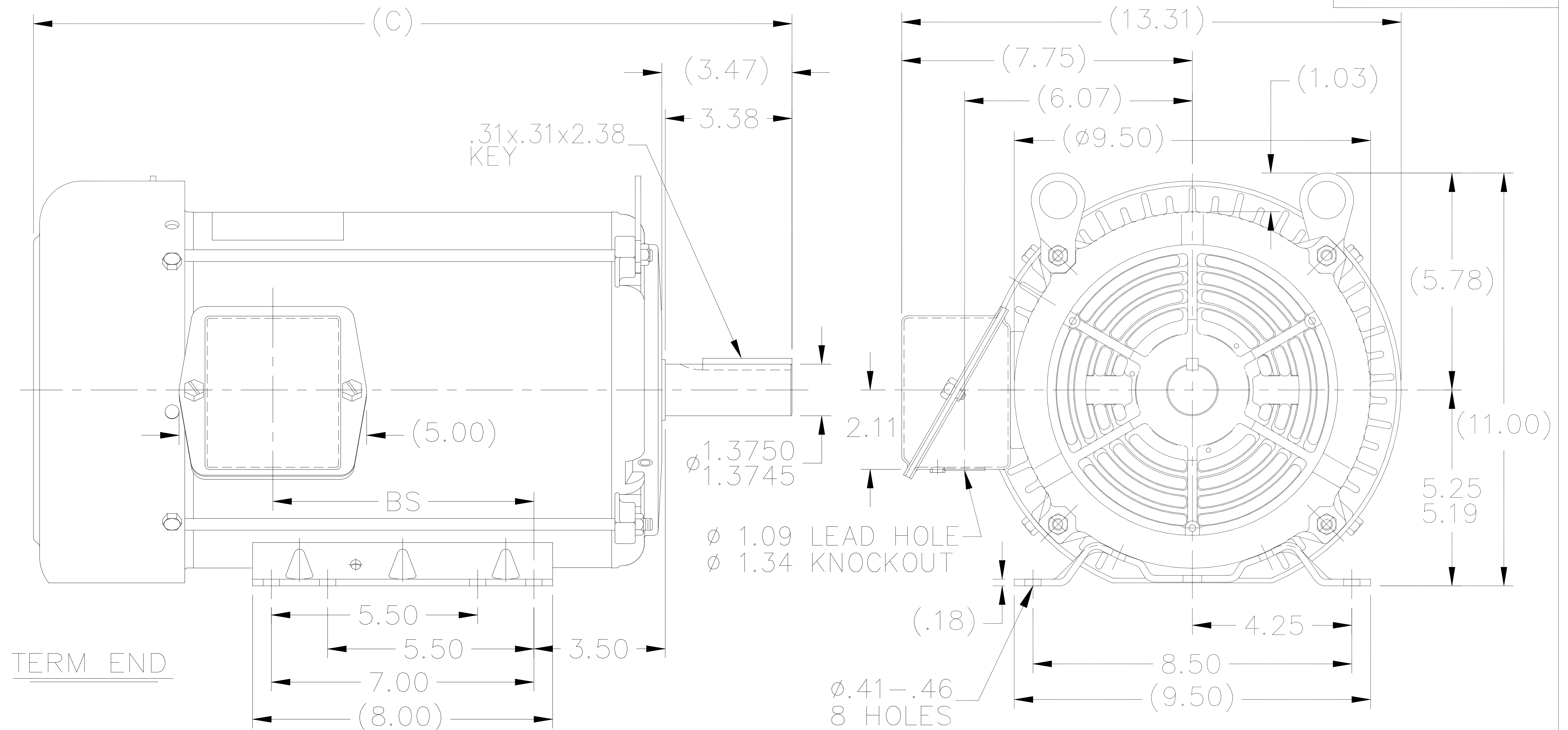
Nameplate Specifications

Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	200/400 V
Speed	1765 rpm	Service Factor	1.15
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	22.6/11.3 A	Power Factor	78.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.18 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.73 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86560-965	Connection Drawing	005010.01


SS86560



NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

DASH	FR.	C	BS	MOUNTING
965	213/15T	18.73	5.43	
1115	213/15T	20.23	6.93	
1240	213/15T	21.48	8.18	F1 ONLY

7	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015	TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN DA 08-26-1994			
6	RE-ISSUED: REDRAWN AND REVISED DASH 965	ERH 12-04-2003	DEC.	INCHES		CHK ML 08-29-1994			
5	UPDATED C'BOX GEOMETRY CN 28425	DRS 01-31-2000	.X	±.1		APPD DRN 08-29-1994			
4	REMOVED GRD. SCREW FROM FRAME CN 24453	MJD 10-01-1997	.XX	±.03		SCALE 1=4			
3	REV.(13.21) WAS (12.39)&(3.47) WAS 3.47 CN23925-481	MH 09-10-1997	.XXX	±.005	TITLE OUTLINE 210T FR. - BB - TS - TEFC - R/S			REF	
2	UPDATED PER REDESIGN CN 21725-775	DA 08-13-1996	.XXXX	±.0005	MAT'L.			FMF	
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"	FINISH			PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP		CAD FILE ss86560		SIZE	DRAWING NO. PAGE OF	REV.
			DIST LB				A	SS86560	7

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN	RDW 04/12/02	
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.01				SCALE	1=1	
				.XXX	±.005	TITLE	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF	FIG.2-51
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.	DECAL - 004014			FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH				PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	04/12/02	CAD FILE	00501001	SIZE	DRAWING NO.		REV
				DIST BRF-NLV				A	005010-01		A

**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CATALOG #: 141289.00

CONN. DIAGRAM: 005010.01

OUTLINE: SS86560-965

MOUNTING: F1/F2 CAPABLE

WINDING #: K2134279 R1 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1765	213TC	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	200/400	22.6/11.3	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	91.7	3/4 LOAD EFF:	91.6	1/2 LOAD EFF:	90.6	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	78.3	3/4 LOAD PF:	72.6	1/2 LOAD PF:	60.4	91		SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	155.3 / 77.6	52.9 LB-FT 238 %	75 LB-FT 338 %	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.85 LB-FT^2	62 LB-FT^2	15 SEC.	2	140 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTSaver

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	NONE	ROLLED STEEL
6207	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/22/2018

141289.00



Data @ 400 V

Motor Load Data

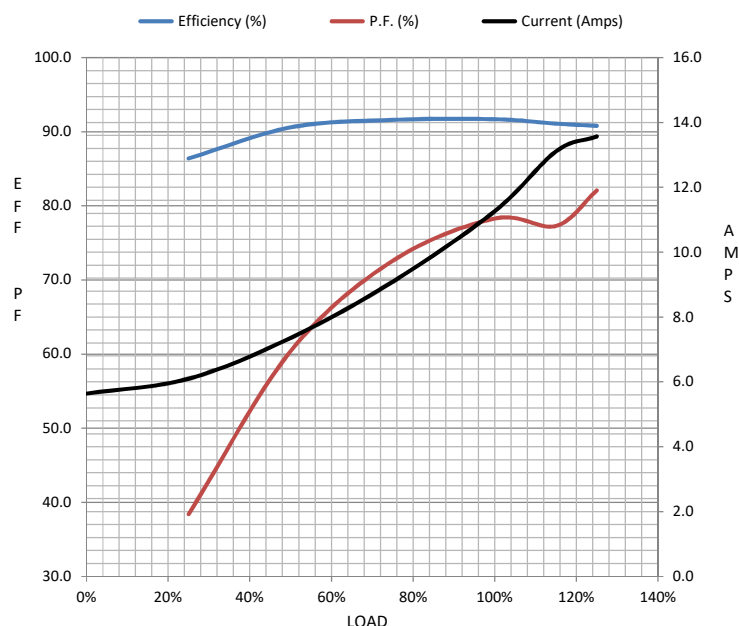
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.6	6.1	7.4	9.1	11.3	13.1	13.6	77.6	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.5	28.0	52.9	
RPM	1800	1792	1785	1775	1765	1765	1762	0	
Efficiency (%)		86.4	90.6	91.6	91.7	91.1	90.8		
P.F. (%)	4.9	38.4	60.4	72.6	78.3	77.3	82.1	42.6	

Motor Speed Data

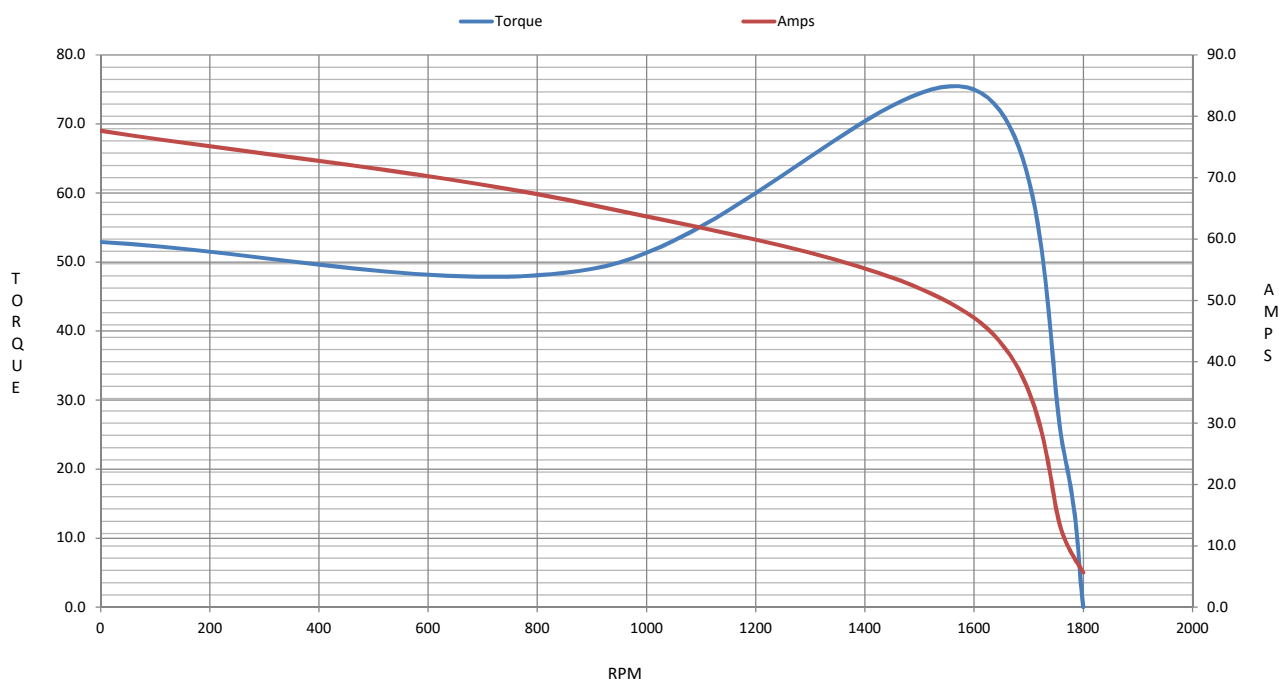
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1765	1800
Current (Amps)	77.6	65.6	47.2	11.3	5.6
Torque (ft-lb)	52.9	49.0	75.0	22.3	0.00

Information Block

HP	7.5			
Sync. RPM	1800			
Frame	213			
Enclosure	TEFC			
Construction	TFW			
Voltage	200/400	V		
Frequency	60	Hz		
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	55	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.85	Lb-Ft²		
Ref Wdg	K2134279	R1		
Sound Pressure @ 1M	62	dBA		
VFD Rating	NONE			
Outline Dwg	SS86560-9650			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5750	0.8380	1.8590	2.3990	38.1200



Speed - Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 141289.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 141289.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22