

# PRODUCT INFORMATION PACKET



Model No: 199727.00  
Catalog No: 199727.00  
Obsolete Replaced by 445TTDCD6076



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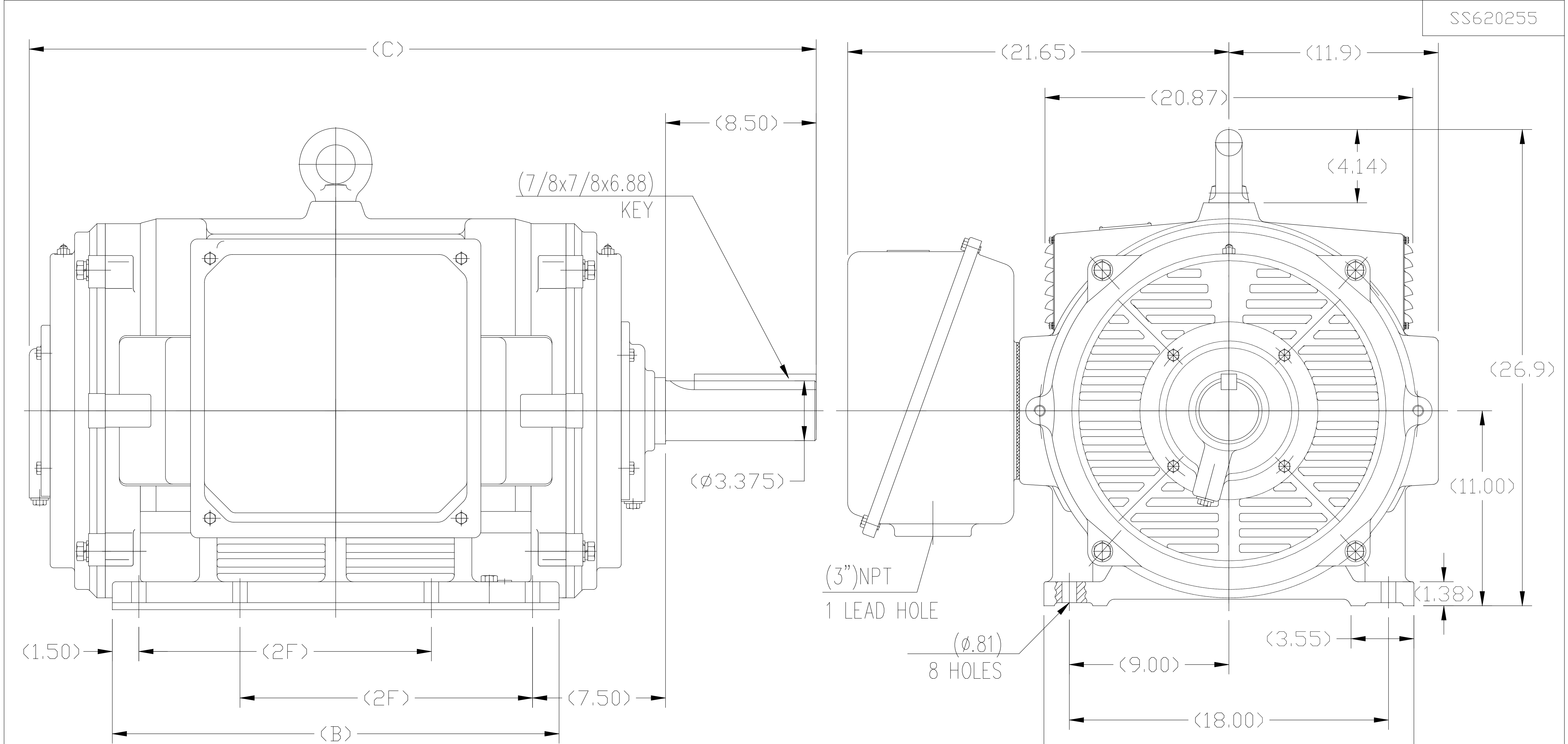
### Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15
Frame	445T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	145 & 140 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

### Technical Specifications


Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.042 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620255-445T	Connection Drawing	EE7341C_LE

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1. THIS MOTOR IS NOT DUAL DRILLED FOR 444T/445T OR 447T/449T  
2. THIS MOTOR IS DRILLED FOR F1/F2 CAPABILITY

444T	44.57	25.20	14.50
445T	44.57	25.20	16.50
447T	49.69	30.32	20.00
449T	49.69	30.32	25.00
Frame	C	B	2F

				TOLERANCES UNLESS SPECIFIED		 <b>REGAL-BELOIT CORPORATION</b>		DRAWN ZYH 02-21-2010		
				DEC.	INCHES			CHK HZJ 02-21-2010		
				.X	±.1	TITLE 444/445/447/449T FR-ODP-CAST IRON		APPD CL 02-21-2010		
				.XX	±.03			SCALE 6=32		
G	UPDATED DRAWING PER MARK-UP ECO-0108274		WGJ 10-7-16	EMH .XXX	±.005	MAT'L.		REF		
A	2 leads hole change to 1		CL 2010-9-8	.XXXX	±.0005			FMF HWADA		
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		CAD FILE SS620255		SIZE	DRAWING NO.	REV.
				DIST				B	SS620255	G

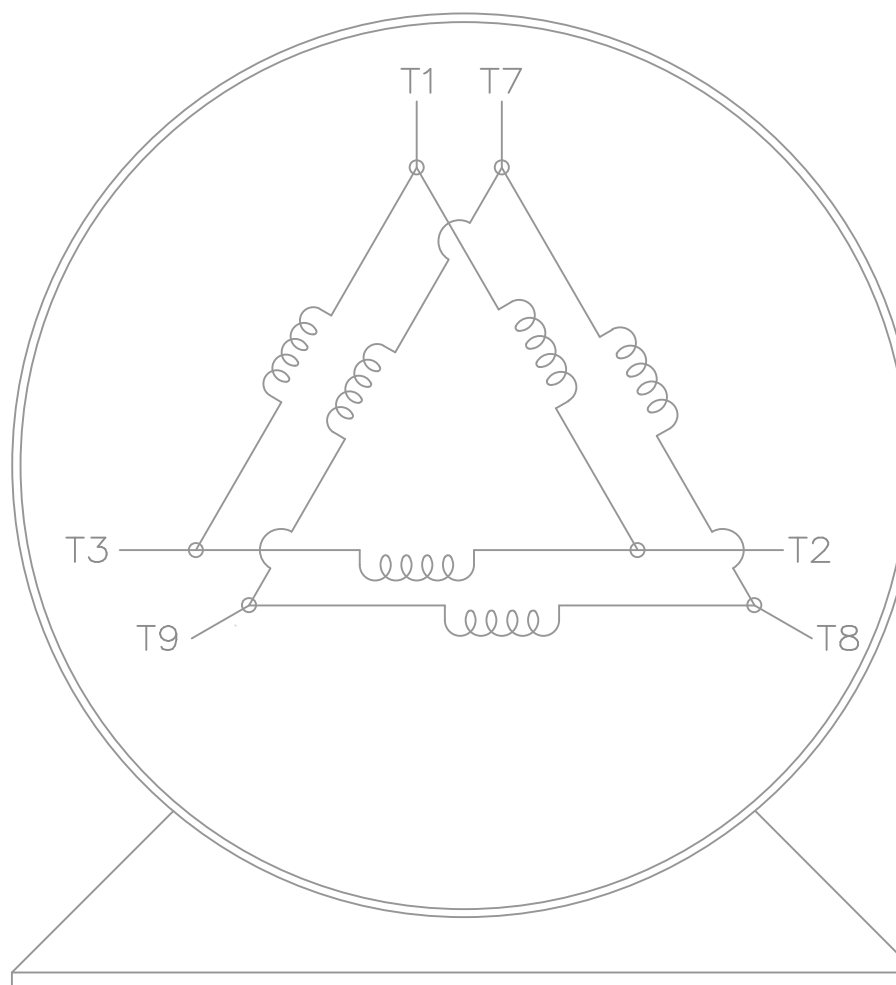
# THREE PHASE — PART WINDING START DELTA — 6 LEADS

## START


CONNECT T1 TO LINE 1  
CONNECT T2 TO LINE 2  
CONNECT T3 TO LINE 3  
T7-T8-T9 OPEN

## RUN

CONNECT T1&T7 TO LINE 1  
CONNECT T2&T8 TO LINE 2  
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KL 07-23-2002					
				DEC.	INCHES		CHK DJK 07-23-2002					
				.X	± -		APPD EAB 07-23-2002					
				.XX	± -	TITLE CONNECTION DIAGRAM 3ø - 6 LEADS	SCALE 1=1					
				.XXX	± -		REF					
1	NEW DRAWING	MU42766	KL 07-23-2002	.XXXX	± -	MAT'L.	FMF					
NO.	REVISION		BY & DATE	CHK	ANG	± -	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 EE7341C-LE		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST WA-LB-LE				A	EE7341C-LE			1



# CERTIFICATION DATA SHEET

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

**CONN. DIAGRAM:** EE7341C\_LE

**CATALOG #:** 199727.00

**OUTLINE:** SS620255

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** CHT44560002 2

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93.0&75.0	1200	1190&990	445T	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	145&140	PWS OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

<b>FULL LOAD EFF:</b>	95&95	<b>3/4 LOAD EFF:</b>	95	<b>1/2 LOAD EFF:</b>	95	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	85&86	<b>3/4 LOAD PF:</b>	84	<b>1/2 LOAD PF:</b>	77	94.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
552 LB-FT	907	1025 LB-FT 186 %	1300 LB-FT 236 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	88 LB-FT^2	1700 LB-FT^2	20 SEC.	2	1550 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	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6319	6317						

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:** VARIABLE 10:1

**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



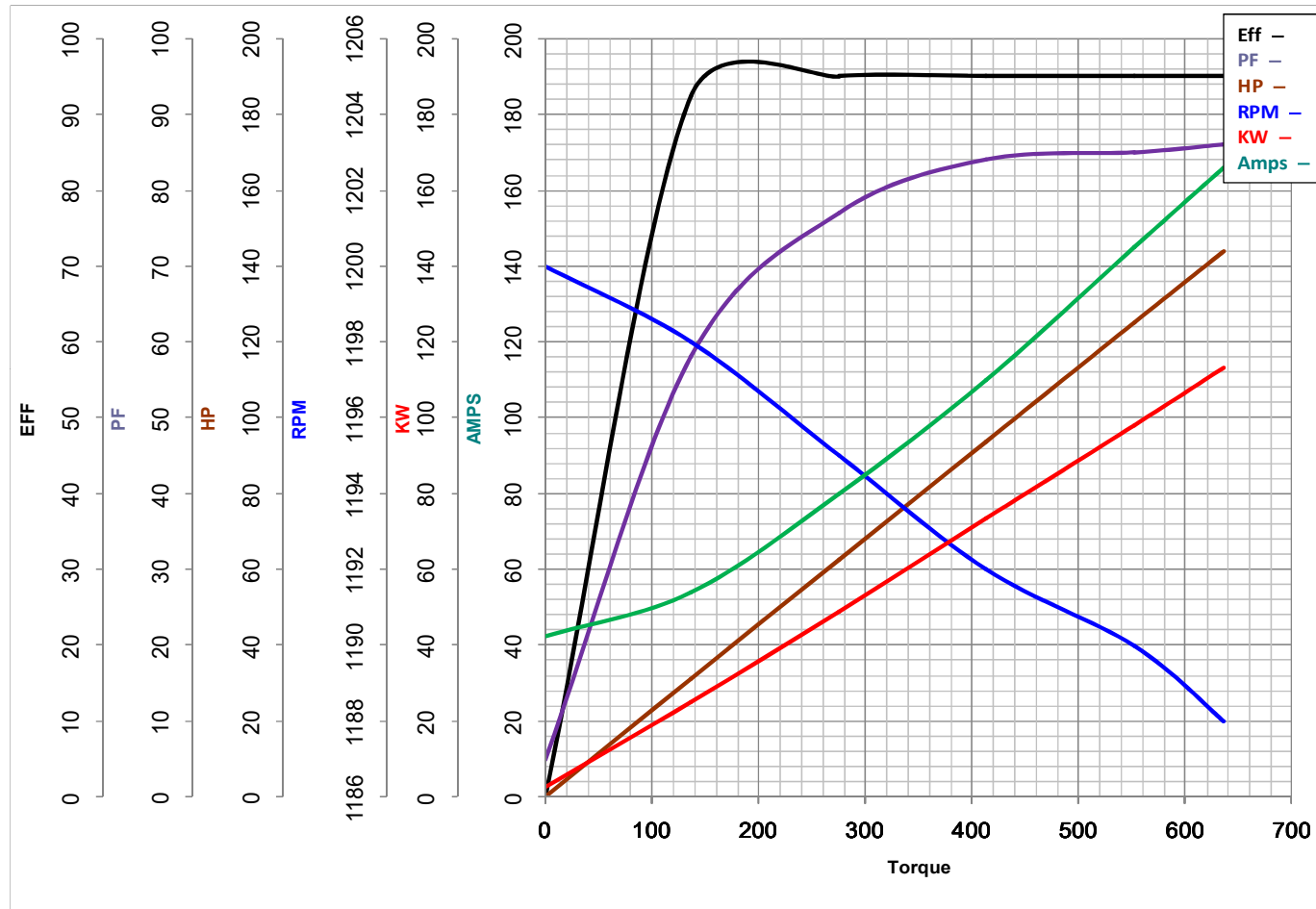
# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199727.00

Curve at

460  
60  
125

Volts  
HZ  
HP
HP 125&100PHASE 3VOLTS 460&380Catalog No 199727.00HZ 60&50RPM 1190&990

Torque in Lb.Ft

FL TORQUE 552 Lb.FtBD TORQUE 1300.0 Lb.FtLR TORQUE 1025 Lb.FtFL AMPS 145PU TORQUE 825.0 Lb.FtLR AMPS 907

WINDING CHT44560002-2

Date 11/13/2018