

PRODUCT INFORMATION PACKET



Model No: 191542.00

Catalog No: 191542.00

SST Duck™ General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
145TC Frame, TEFC

Operational at 208-230/460 V @60HZ



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Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	3470 & 2900 rpm	Service Factor	1.15 & 1.15
Frame	145TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.2/3.6 & 6/3 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	T	Overall Length	13.20 in
Frame Length	8.39 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	005010.01	Outline Drawing	OL191542

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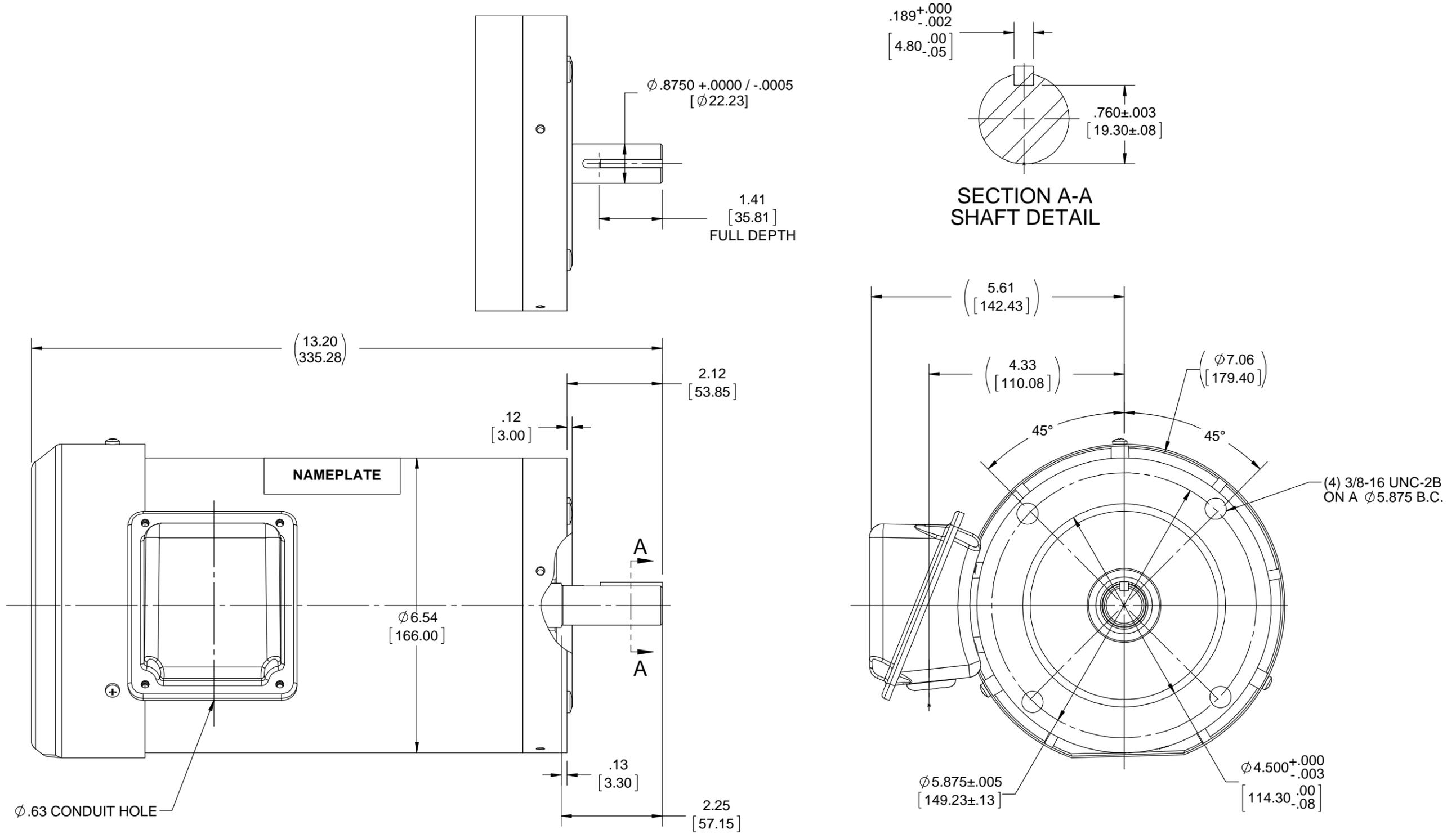
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A

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DRAWING REVISION A	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY LST	REGAL ™ Regal Beloit America, Inc.
ECO ECO-0145422	APPROVED BY	DATE	DEC. INCH mm ANGLE	DATE 5/21/18	DATE	
ECO DESCRIPTION			.X ±0.1 [±2.5]	±0.5°	APPROVED BY	DESCRIPTION
RELEASED			.XX ±0.03 [±0.76]		DATE	OUTLINE
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			.XXXX ±0.0005 [±0.0127]		MATERIAL	PROCESS/FINISH
			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51]	19	THIRD ANGLE PROJECTION	DRAWING NUMBER
			MACHINED SURFACES: 125 INCH/mm 3.2	3.2	SIZE	DRAWING NUMBER
			mm SHOWN IN [BRACKETS]		B	OL191542
						SHEET 1 OF 1

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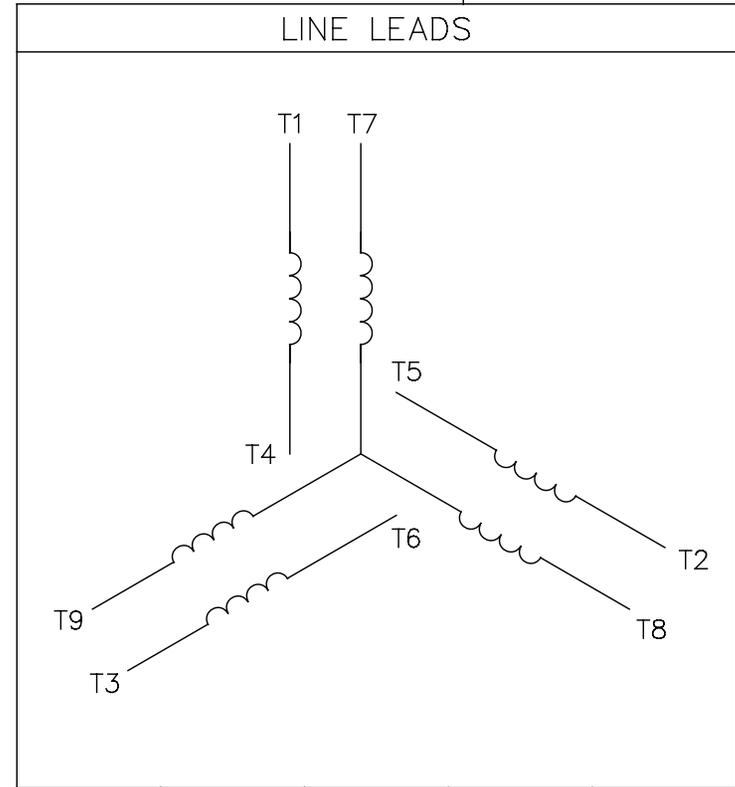
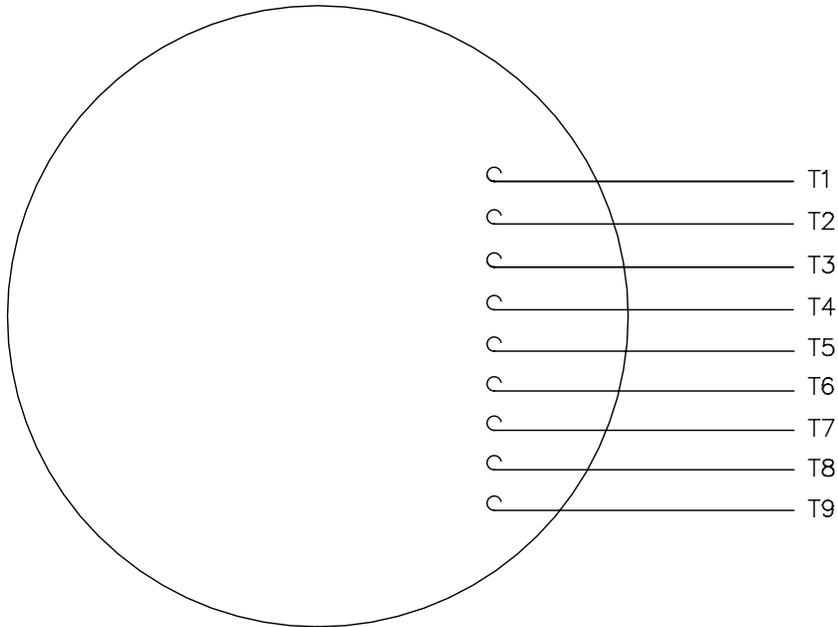
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005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				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		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.	
				DIST	BRF-NLV				A	005010-01		REV.

P.O. BOX 8003
 WAUSAU, WI 54401-8003
 PH. 715-675-3311



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
 OUTLINE: OLG191542
 WINDING: QT63220

CAT #: 191542.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	3600	3479	145TC	TEFC	NA	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	8-7.2/3.6&6/3	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	87.7	3/4 LD EFF	88.5	1/2 LD EFF	87.8	GTD EFF	0.0	ELECT. TYPE
F.L. PF	88.9	3/4 LD PF	85.0	1/2 LD PF	76.0	0.0		SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
4.5 LB-FT	41.6	22.7 LB-FT 504%	22.0 LB-FT 489%	82

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
0 dBA	9 dBA	0.00 LB-FT²	0 LB-FT²	10 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL
BALL	BALL						
6205	6205						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.080	ODE

* N O T E S *	INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED					
	ENCODER: NONE					
	NONE					
	NONE					
	NONE PPR					

DATE: 2/1/2018	BRAKE: NONE					
	NONE					
	NONE					
FT-LB: NA						
VOLTAGE: NONE						
HZ:						
UL: Y						

Data Sheet

Date: 2/1/2018

191542.00



Data @ **460 V**

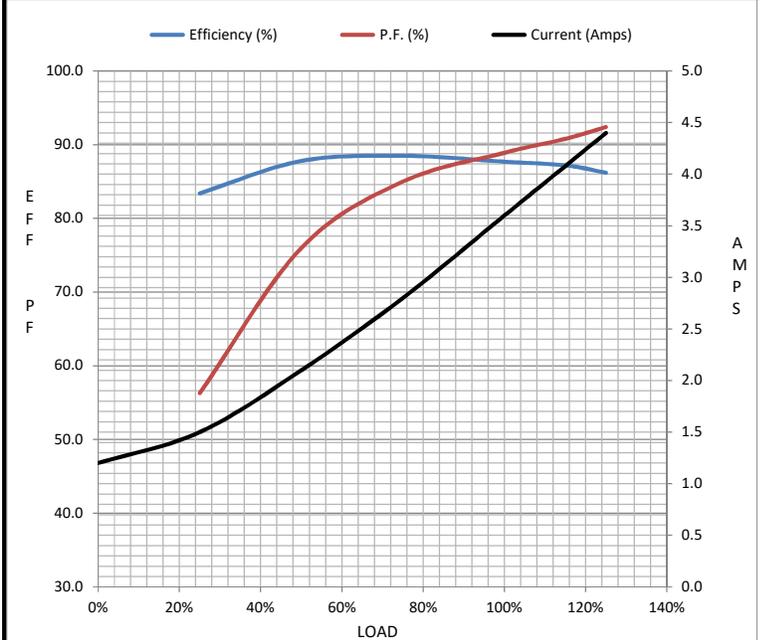
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.20	1.50	2.10	2.80	3.6	4.1	4.4	41.6
Torque (ft-lb)	0.00	1.11	2.22	3.4	4.5	5.2	5.7	22.7
RPM	3600	3571	3542	3511	3479	3,463	3442	0
Efficiency (%)		83.4	87.8	88.5	87.7	87.2	86.2	
P.F. (%)	10.4	56.3	76.0	85.0	88.9	90.8	92.4	62.4

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	643	2386	3479	3600
Current (Amps)	41.6	38.1	27.3	3.6	1.20
Torque (ft-lb)	22.7	20.0	22.0	4.5	0.00

Information Block				
HP	3.0			
Sync. RPM	3600			
Frame	0			
Enclosure	TEFC			
Construction	NA			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	82 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	QT63220 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	OLG191542			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

