

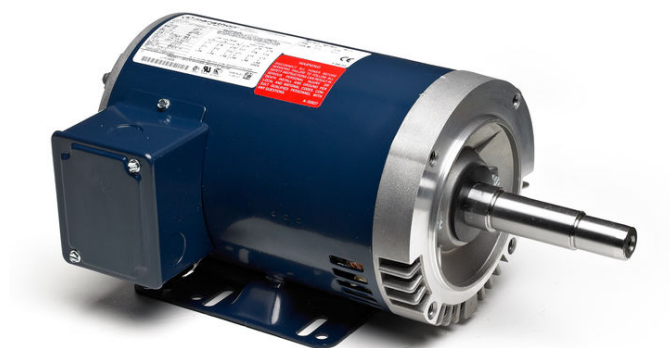
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTDW4116

Catalog No: E150A

5 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 200 V, 182JM Frame, ODP
Close-Coupled Pump Motors



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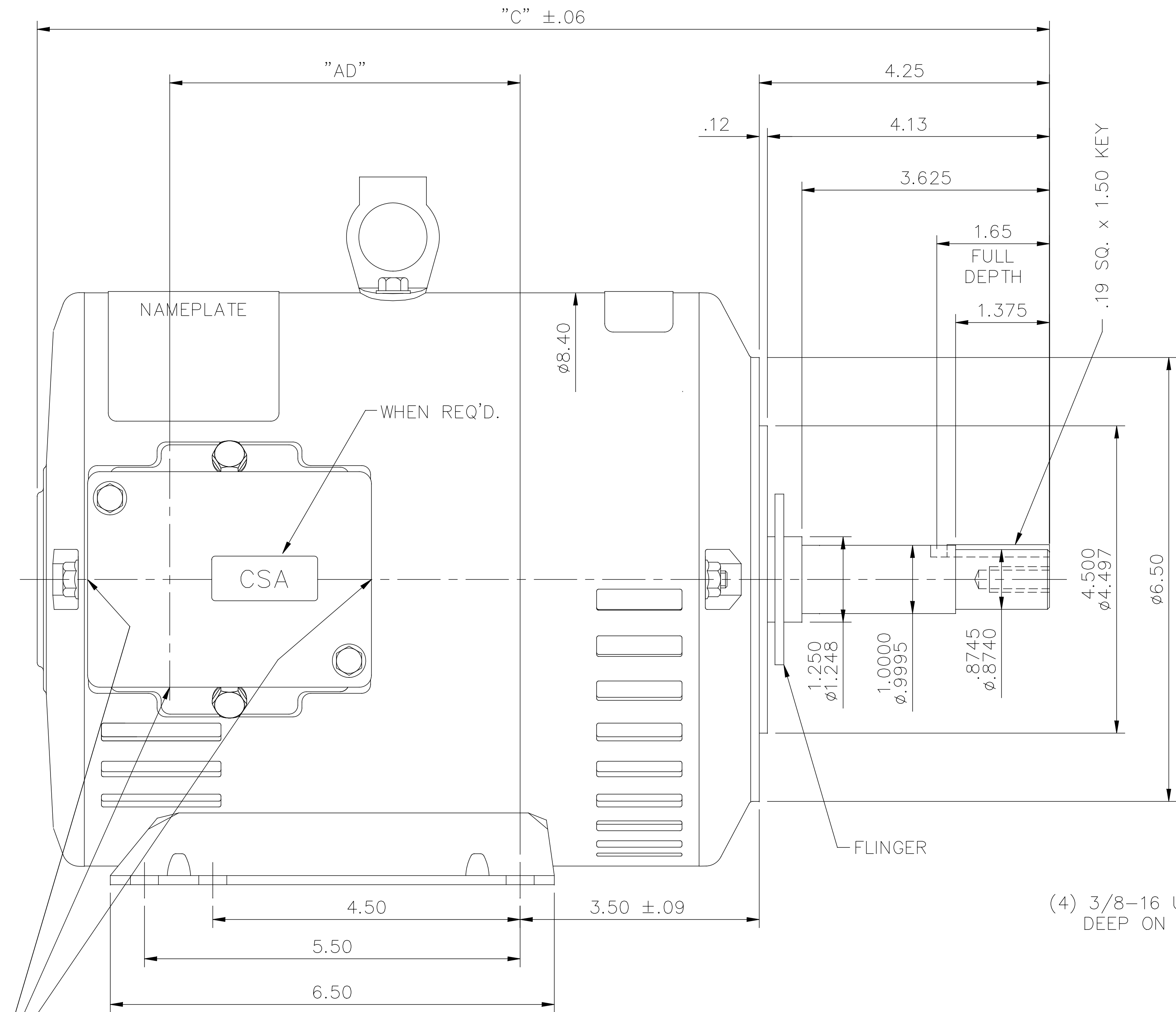
RegalRexnord

Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	200 V
Current	14.3 A	Speed	3505 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	182JM	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	2.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	14.82 in
Frame Length	9.00 in	Shaft Diameter	0.880 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005102.01ME	Outline Drawing	035565-900



ø1.13 KNOCKOUTS
(3) REQUIRED

GASKETS THROUGHOUT
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .004 T.I.R.

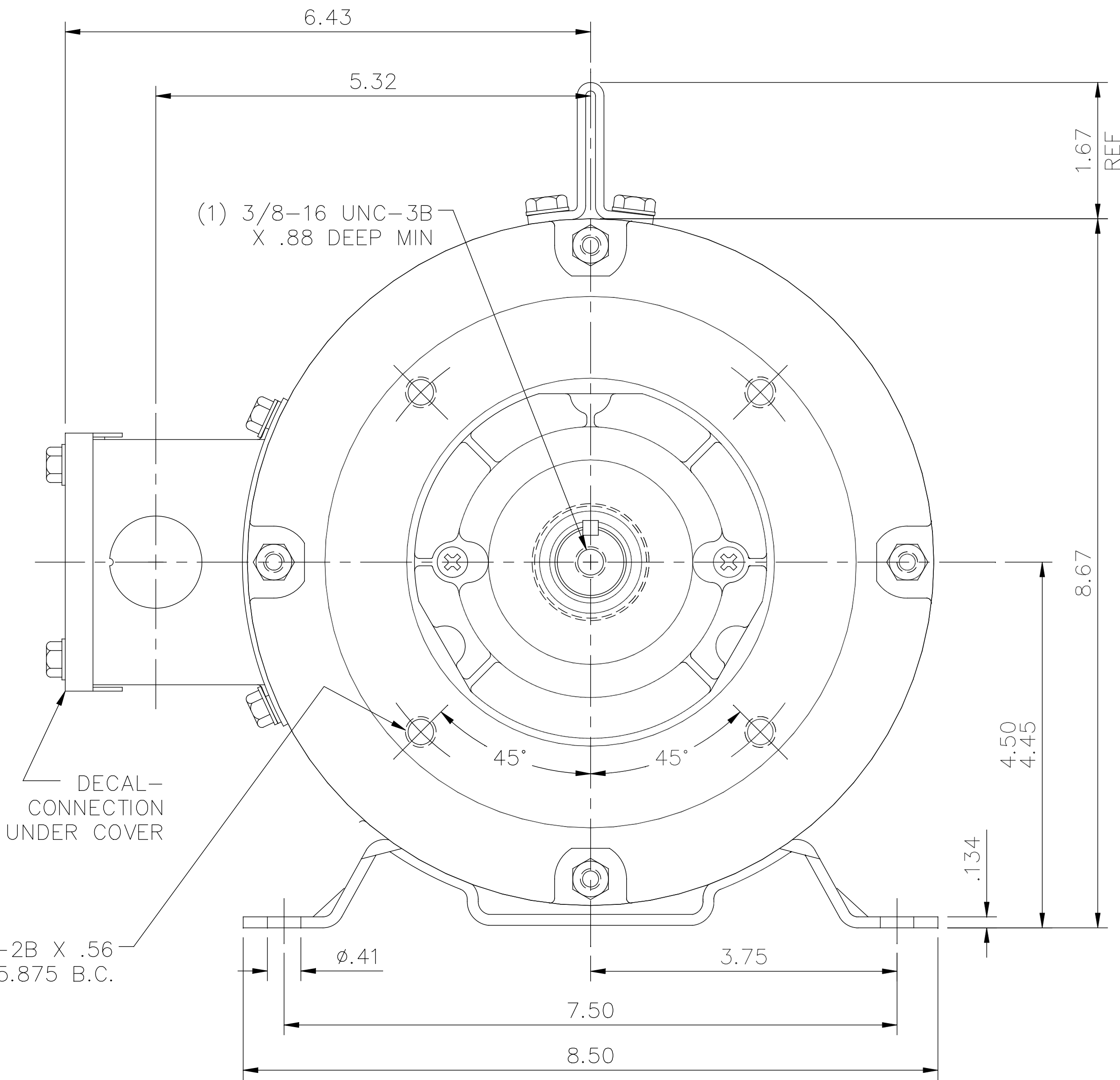
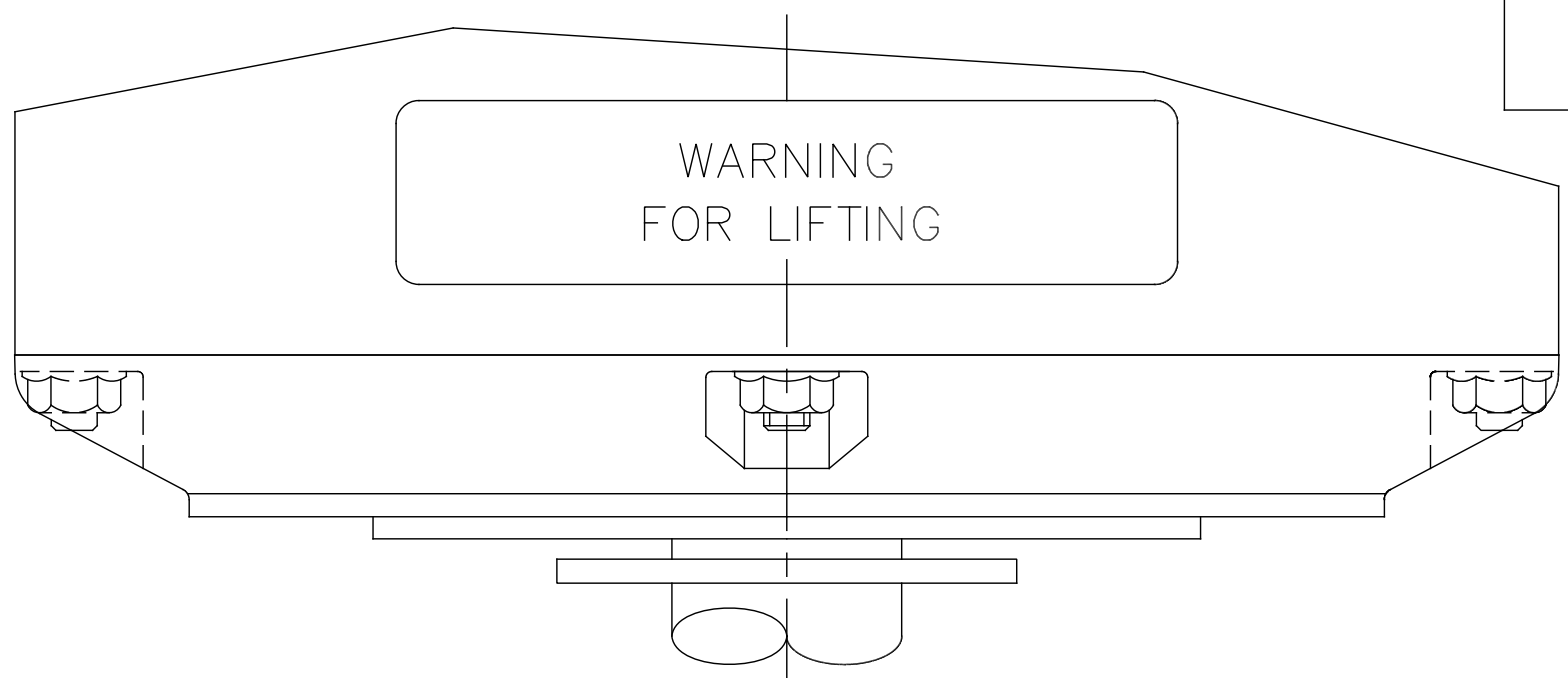
DASH NO.	"C"	"AD"
800	13.82	4.13
850	14.32	4.63
900	14.82	5.13
950	15.32	5.63
1000	15.82	6.13
1050	16.32	6.63
1100	16.82	7.13
1150	17.32	7.63

NO.	REVISION	BY & DATE	CHK	ANG
04	DRAWING UPDATED	SL 05/16/16	GR	.X
03	CSA WHEN REQ'D ADDED PER ECO-0045263	UD 02/11/14	GR	.XX
02	REMOVED THE CE DECAL	SVL 6/11/2009	SVL	.XXX
01	REVISED C/B MOUNTING BOLT POSITION.	ST 3/24/2009	VV	.XXXX
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				DIST

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

TITLE	
OUTLINE - 180JM FRAME	
DRIP PROOF - RIGID "C" - JM PUMP	
MAT'L.	
FINISH	

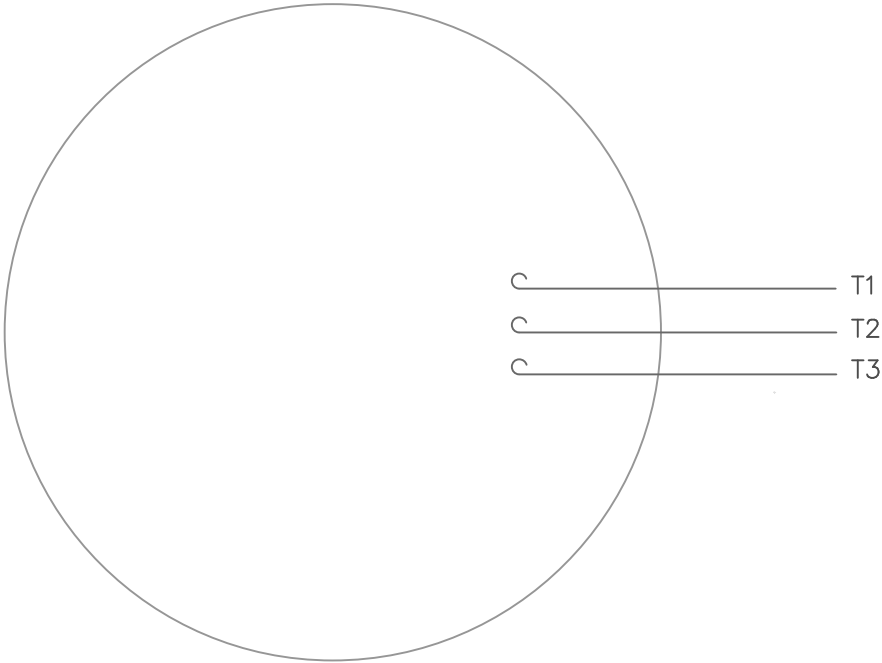
CAD FILE	035565	SIZE	DRAWING NO.	REV.
		B	035565	04




(4) 3/8-16 UNC-2B X .56
DEEP ON A ø5.875 B.C.

035565

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS FOR FOUR CONDUCTOR CORD ()				
CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED				DRAWN RDW 5/1/02	
				DEC.	INCHES			CHK	
				.X	±.1			APPD	
				.XX	±.01			SCALE 1=1	
				.XXX	±.005			REF	
				.XXXX	±.0005	TITLE		MAT'L.	
				ANG	±1/2°	EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR		DECAL - 004169	
				CHK		FINISH		FMF	
NO. REVISION				BY & DATE				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	5/1/02	CAD FILE		SIZE	DRAWING NO.
				DIST		00510201ME		A	005102-01ME
								REV.	

CERTIFICATION DATA SHEET

Model#: 182TTDW4116 AA

WINDING#: T82114 R1 9

CONN. DIAGRAM: 005102.01ME

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: 035565-900

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	3600	3505	182JM	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	200	14.3	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 85.9	1/2 LOAD EFF: 83.9	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.5	3/4 LOAD PF: 84.2	1/2 LOAD PF: 76.4	82.6	SQ CAGE IND RUN	5.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	115	17.3 LB-FT -	26.2 LB-FT -	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.18 LB-FT^2	0 LB-FT^2	0 SEC.	0	64 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6207	6205	POLYREX EM	JM	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

If Inverter equals NONE, contact factory for further information

* N O T E S *	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

DATE: 06/27/2017 01:51:26 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 12/13/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



182TTDW4116

Submittal

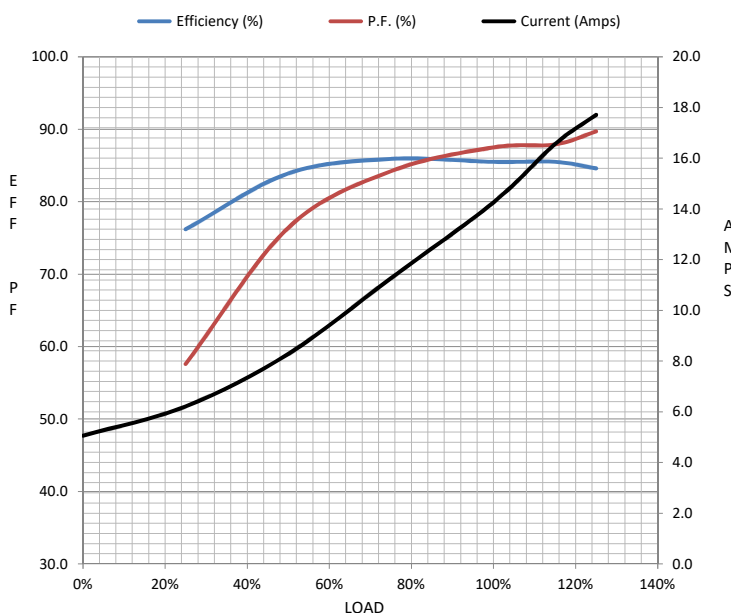
Data @ 200 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.1	6.2	8.3	11.3	14.3	16.6	17.7	115	
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.7	9.5	17.3	
RPM	3600	3578	3555	3531	3505	3488	3475	0	
Efficiency (%)		76.2	83.9	85.9	85.5	85.5	84.6		
P.F. (%)	14.5	57.6	76.4	84.2	87.5	87.9	89.7	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1800	2800	3505	3600	HP	5.0
Current (Amps)	115	104	74.8	14.3	5.1	Sync. RPM	3600
Torque (ft-lb)	17.3	15.6	26.2	7.5	0.00	Frame	182



Frame	182			
Enclosure	DP			
Construction	TDR			
Voltage	200	V		
Frequency	60	Hz		
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	35	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.18	Lb-Ft²		
Ref Wdg	T82114 R1			
Sound Pressure @ 1M	0	dBA		
VFD Rating	NONE			
Outline Dwg	035565-900			
Conn. Diag	005102.01ME			
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

