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Close-Coupled Pump Motors

Model No: 184TTDW16310
Catalog No: E163B

Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184JMV Frame, DP

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Product Information Packet: Model No: 184TTDW16310, Catalog No: E163B Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184JMV Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**7.50 & 5 Hp**
Output KW	**5.6 & 3.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3490 & 2905 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**184JMV**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**88.5 & 87.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**17.8/8.9 & 15/7.5 A**
Power Factor	**89**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**J**	Drive End Bearing Size	**6207**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

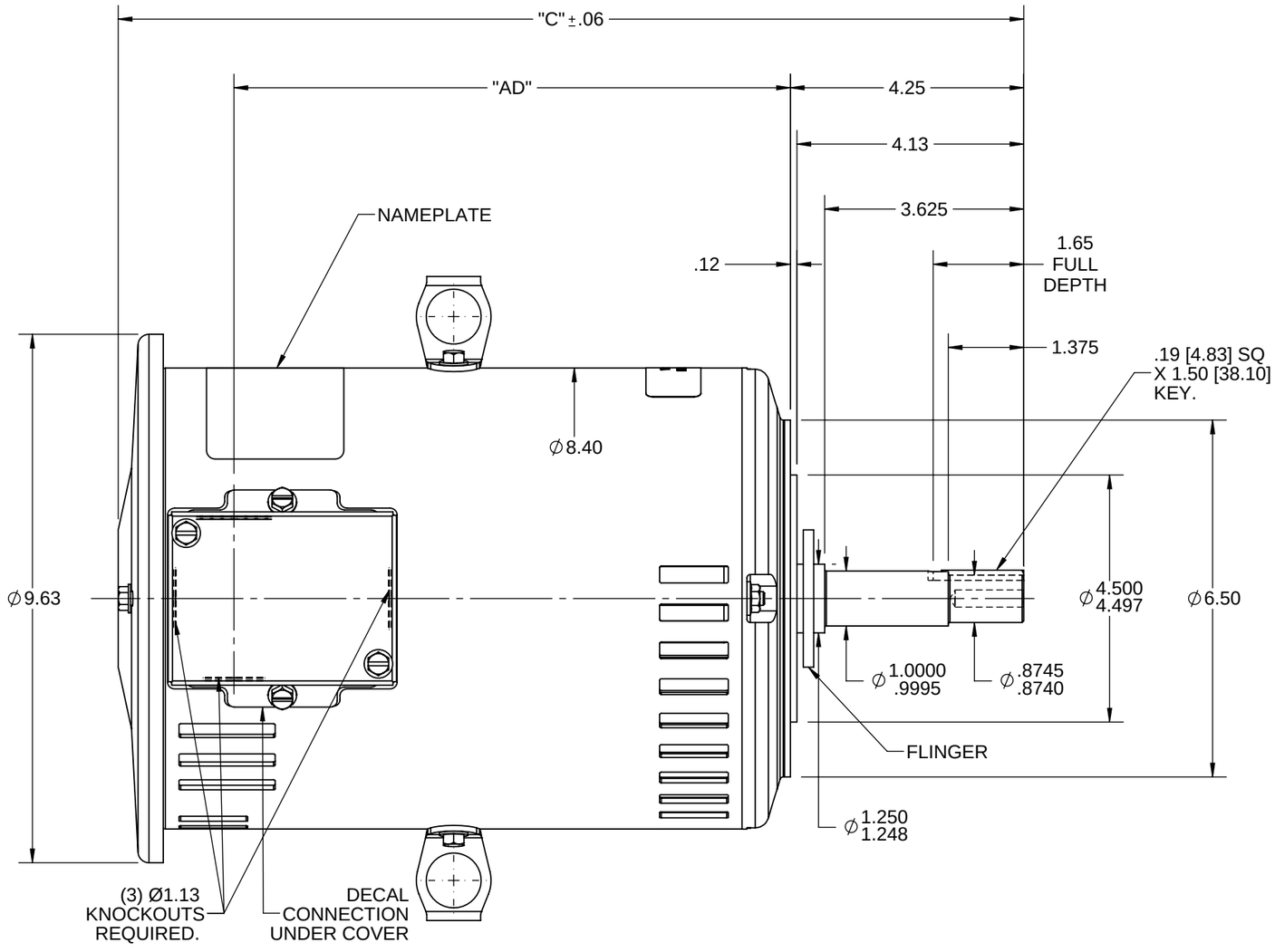
Technical Specifications

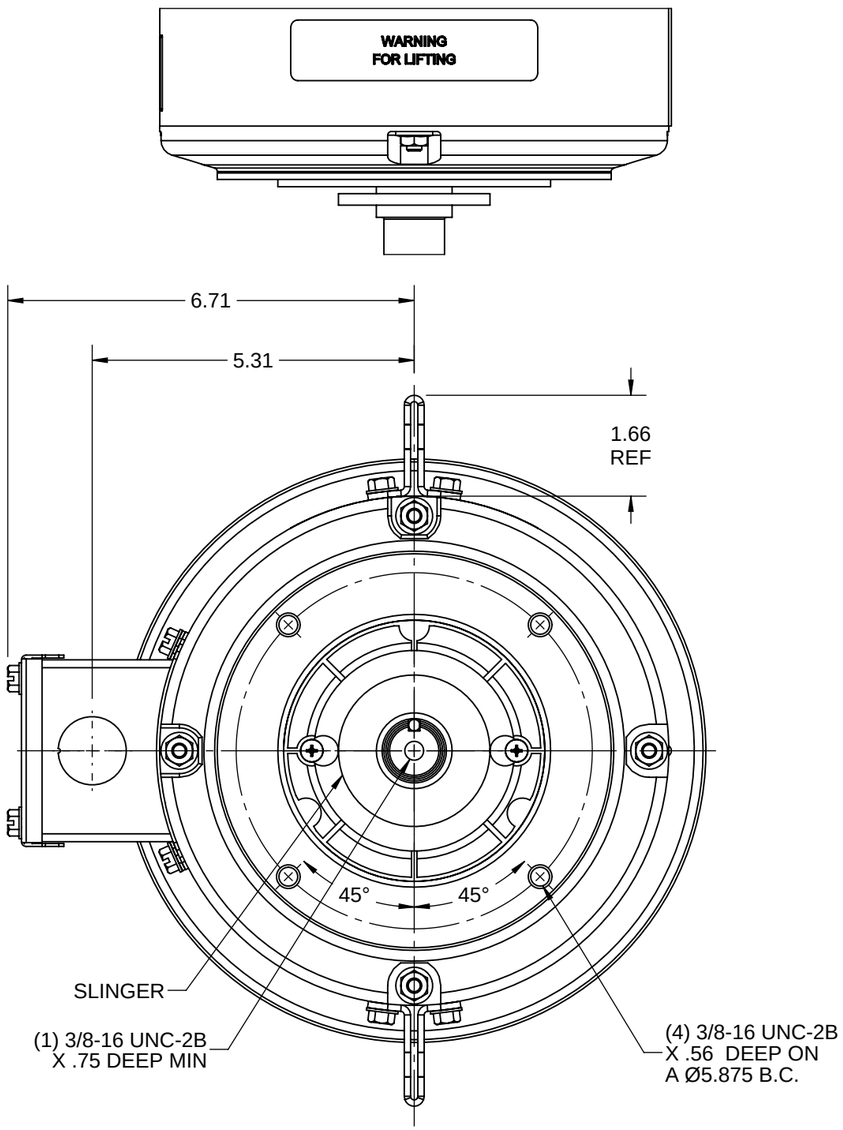
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Selective Clockwise**
Resistance Main	**0 O**	Mounting	**Round**
Motor Orientation	**Shaft Down**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Overall Length	**17.12 in**
Frame Length	**10.5 in**	Shaft Diameter	**7/8 in**
Shaft Extension	**4.25 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**005010.01**	Outline Drawing	**035568-1050**

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NOTE:-
1) GASKET THROUGHOUT.

MAXIMUM FACE RUNOUT TO BE .004 [0.102] T.I.R
MAXIMUM PILOT ECCENTRICITY TO BE .004 [0.102] T.I.R
PERMISSIBLE SHAFT RUNOUT TO BE .004 [0.102] T.I.R.

DASH NO.	"C"	"AD"
850	14.49	8.13
900	14.49	8.63
950	15.49	9.13
1000	15.99	9.63
1050	16.49	10.13
1100	16.99	10.63
1150	17.49	11.13

DRAWING REVISION	REVISION BY	REV DATE/© DATE
F	SB	05/22/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026372	RMS	05/22/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 / 3.2 / INCH / mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
VV	OUTLINE
DATE	180JM FRAME DRIP PROOF-"C" FACE-JM PUMP
17/08/07	
APPROVED BY	
YS	
DATE	
17/09/07	
REFERENCE	MATERIAL / PROCESS/FINISH
035547	
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER 035568 / SHEET 1 OF 1

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Data Sheet

Date: 6/19/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

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184TTDW16310

Submittal

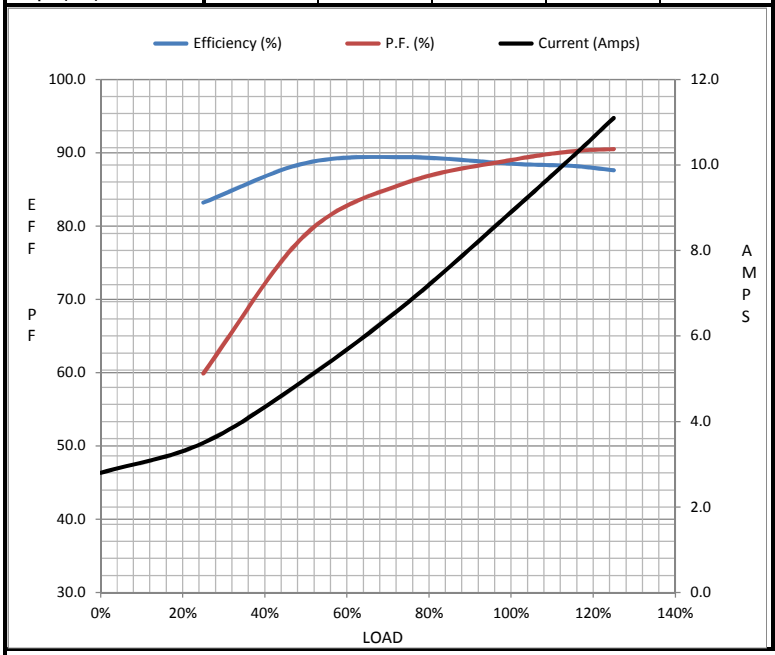
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.80	3.5	5.0	6.8	8.9	10.2	11.1	75.0	
Torque (ft-lb)	0.00	2.80	5.6	8.4	11.3	13.1	14.3	28.5	
RPM	3600	3573	3548	3520	3490	3,470	3456	0	
Efficiency (%)		83.2	88.6	89.4	88.5	88.2	87.6		
P.F. (%)	11.0	59.9	78.9	86.0	89.0	90.2	90.5	47.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	700	2630	3490	3600
Current (Amps)	75.0	67.5	50.0	8.9	2.80
Torque (ft-lb)	28.5	27.0	39.0	11.3	0.00



Information Block

HP	7.5
Sync. RPM	3600
Frame	180
Enclosure	DP
Construction	TDW
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	45 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.30 Lb-Ft²
Ref Wdg	T82109 R1
Sound Pressure @ 1M	71 dBA
VFD Rating	NONE
Outline Dwg	035568-1050
Conn. Diag	005010.01
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.1300	0.9220	2.0340	1.2810	79.1530

Speed -Torque Curve

