Close-Coupled Pump Motors

Model No: 184TCDW7047
Catalog No: Z407A

Close-Coupled Pump Motor, 3 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 184JM Frame, DP

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Product Information Packet: Model No: 184TCDW7047, Catalog No: Z407A Close-Coupled Pump Motor, 3 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 184JM Frame, DP

Nameplate Specifications

Phase	**1**	Output HP	**3 Hp**
Output KW	**2.2 kW**	Voltage	**115/230 V**
Speed	**1745 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**184JM**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**75.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**34.0/16.9 A**
Power Factor	**76**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**N**
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

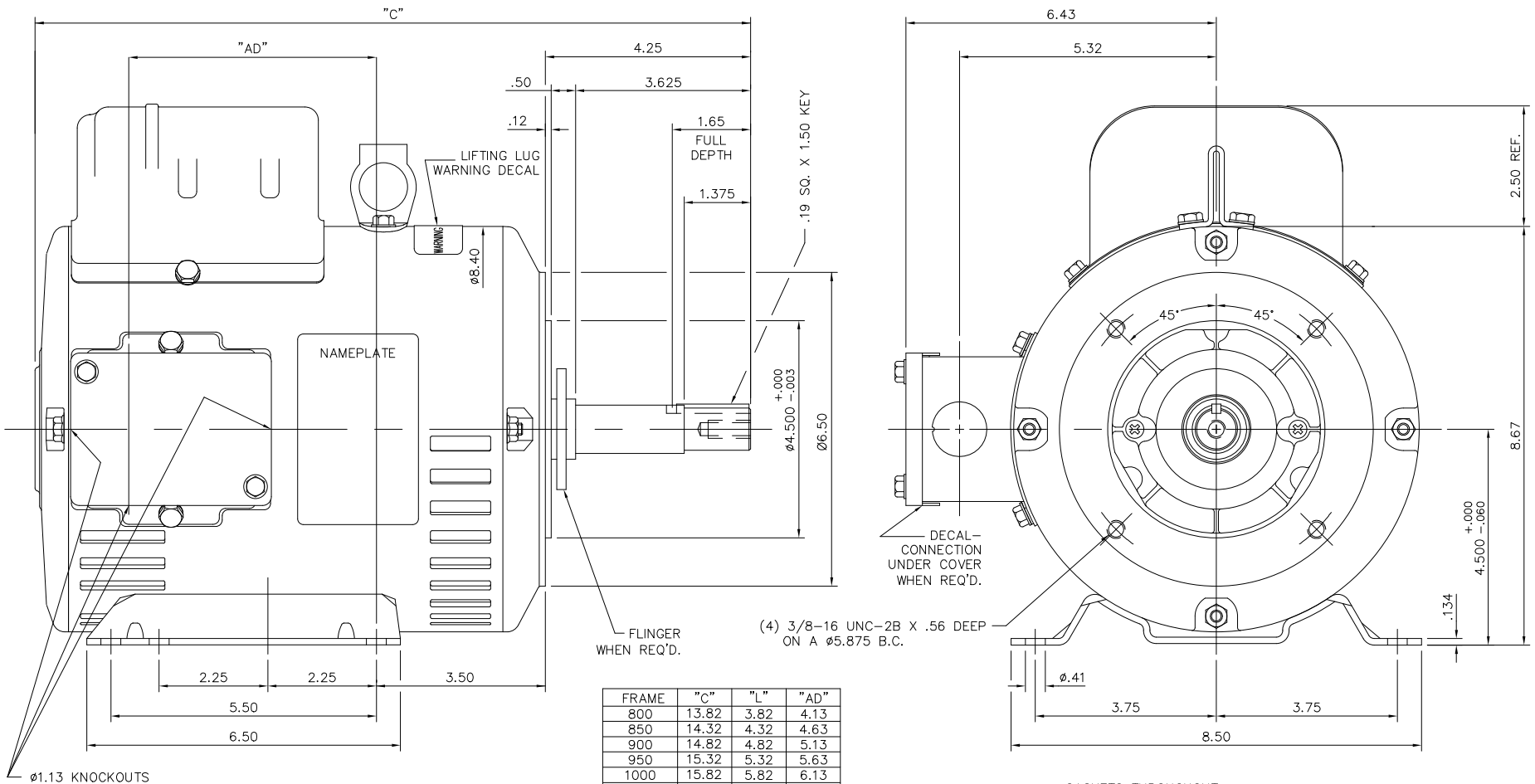
Electrical Type	**Capacitor Start Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Resistance Main	**0 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Overall Length	**15.82 in**
Frame Length	**10.0 in**	Shaft Diameter	**7/8 in**
Shaft Extension	**4.25 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**005062.01ME**	Outline Drawing	**035557-1000**

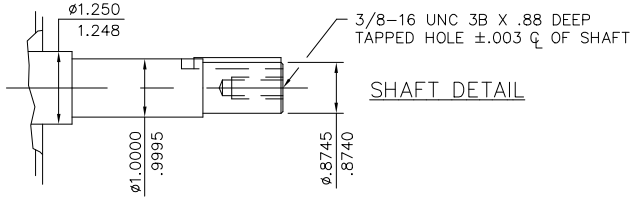
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FRAME	"C"	"L"	"AD"
800	13.82	3.82	4.13
850	14.32	4.32	4.63
900	14.82	4.82	5.13
950	15.32	5.32	5.63
1000	15.82	5.82	6.13
1050	16.32	6.32	6.63
1100	16.82	6.82	7.13
1150	17.32	7.32	7.63
1200	17.82	7.82	8.13

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 .002 T.I.R.



SHAFT DETAIL

DRAWING REVISION: F	REVISION BY: SB	REV DATE/ © DATE: 07/24/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 07/24/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.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: 200/ INCH \/mm 5.1
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY: VV	
DATE: 08/30/07	
APPROVED BY: YS	
DATE: 08/30/07	
REFERENCE: 035472	
THIRD ANGLE PROJECTION	

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DESCRIPTION: OUTLINE
180T FRAME-DRIP PROOF-RIGID

MATERIAL | PROCESS/FINISH

SIZE: B | DRAWING NUMBER: 035557 | SHEET: 1 OF 1

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CERTIFICATION DATA SHEET

Model#:	184TCDW7047 AA	**WINDING#:**	C8428 NONE 3
CONN. DIAGRAM:	005062.01ME	**ASSEMBLY:**	F1 ONLY
OUTLINE:	035557-1000		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1747	184JM	DP	J	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	33.5/16.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 75.5	3/4 LOAD EFF: 75.5	1/2 LOAD EFF: 74.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 76	3/4 LOAD PF: 73	1/2 LOAD PF: 71.3	0	CAP START IND RUN	19.4 / 9.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	181.2 / 90.6	24.6 LB-FT 273	18.4 LB-FT 204	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	1 LB-FT^2	0.4 LB-FT^2	10 SEC.	0	0 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 6207	BALL 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

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

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NOTES
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DATE: 06/28/2017 06:16:18 AM
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