

PRODUCT INFORMATION PACKET



Model No: 140155.00
Catalog No: 140155.00
Air Compressor Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215T Frame, DP



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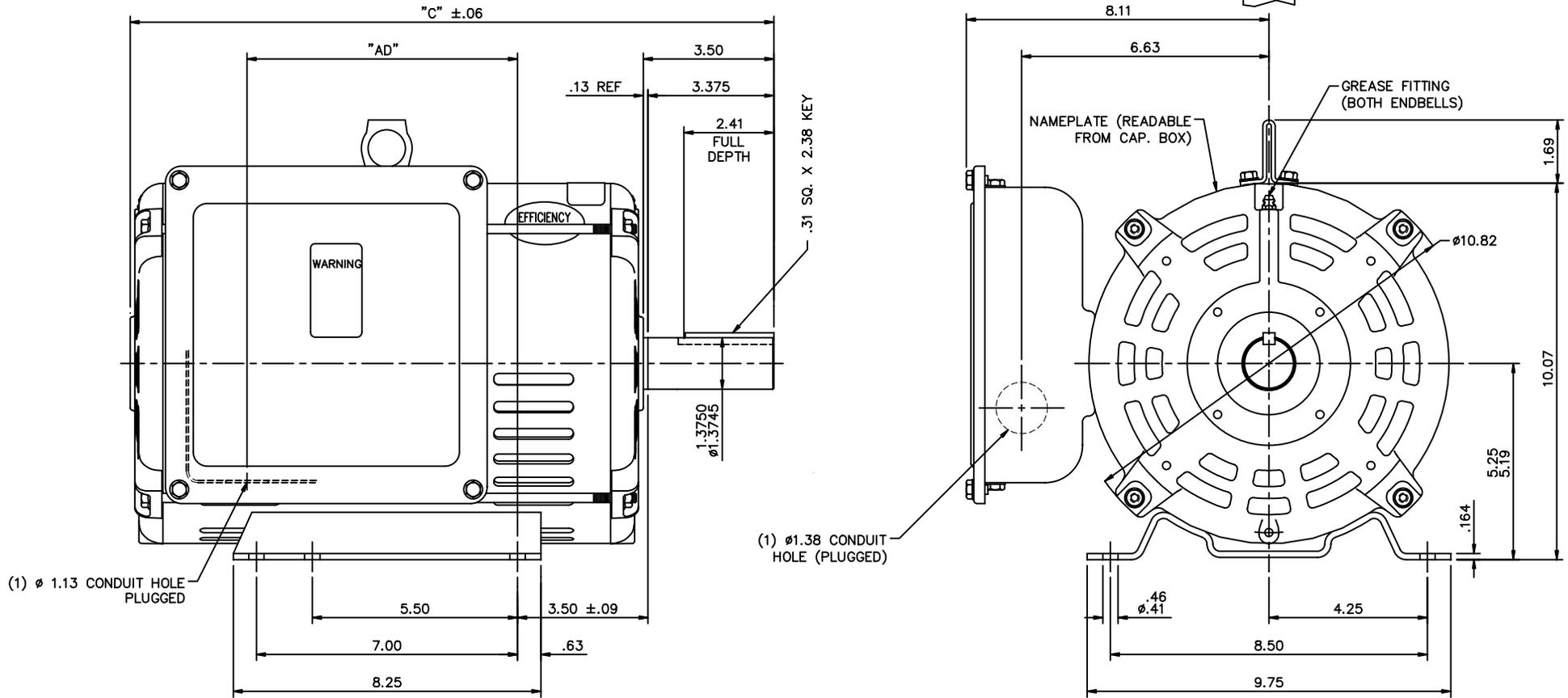


Nameplate Specifications

Phase	1	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	230 V
Speed	1740 rpm	Service Factor	1.15
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	81.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	36.0 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

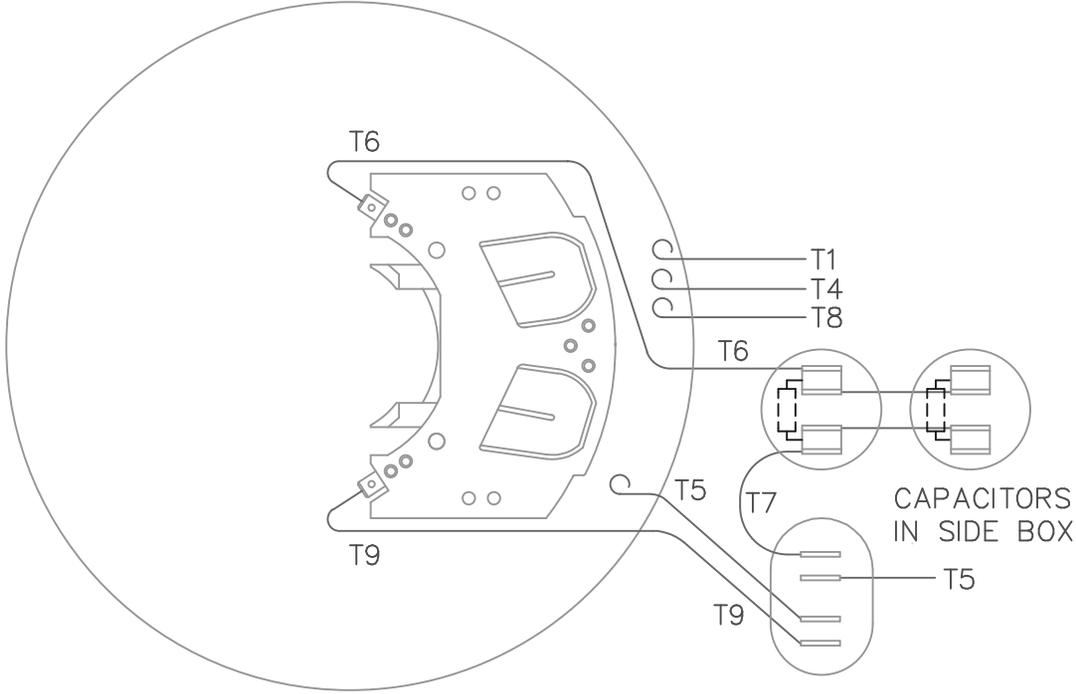
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.22 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.26 in
Frame Length	12.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005077.10	Outline Drawing	037602-1200



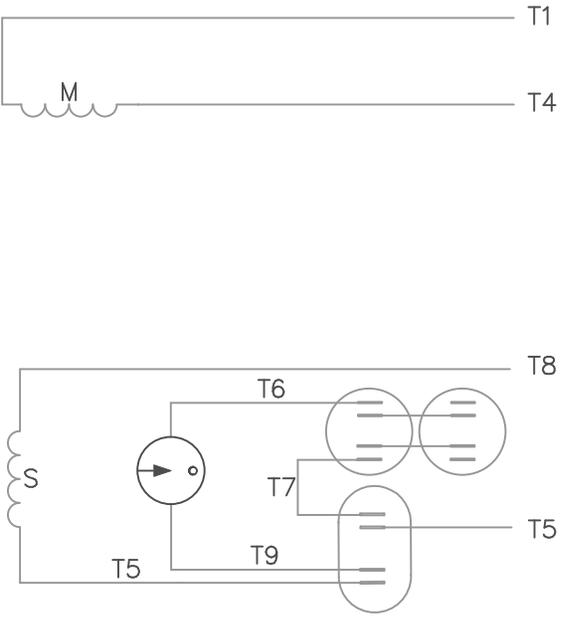
DASH NO.	"C"	"AD"
1000	15.26	5.25
1050	15.76	5.75
1100	16.26	6.25
1150	16.76	6.75
1200	17.26	7.25
1250	17.76	7.75
1300	18.26	8.25

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN MGM 10/28/02	
		DEC.	INCHES			CHK	
		.X	±.1	TITLE		APPD	
02	UPDATED PER MT2 CONVERSION	LST	4/29/10	OUTLINE - 210T FRAME		SCALE	3=8
1	4 HOLES ADDED TO DE BRACKET PER ISAAC 09-4736	AK	11/03/2009	DRIP PROOF - RIGID		REF	
NO.		REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH
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	10/31/02	CAD FILE	037602
				DIST		SIZE	DRAWING NO.
						B	037602
							REV.
							02

VIEW FROM OUTSIDE OF
MOTOR AT SWITCH END



LINE LEADS



*NOTE: OPPOSITE ROTATION WHEN VIEWED FROM LEAD END

ROTATION FACING SHAFT END*	L1	L2
C.W.	T1,T8	T4,T5
C.C.W.	T1,T5	T4,T8

CAUTION:
LEAD WIRE INSULATION TO
EXTEND MIN. OF 1/4" INTO
CONNECTOR INSULATION

MODEL NO.	HP	RPM	VOLTAGE
5K677BA	7 1/2	1740	230
6K176BA			
6K100BA	10	1740	230

				TOLERANCES UNLESS SPECIFIED		Dayton Electric Mfg. Co. 5959 West Howard St. Niles, IL 60714 USA	DRAWN RDW 4/18/05	
				DEC.	INCHES		CHK	
				.X	±.1		APPD KJH 4/18/05	
				.XX	±.01		SCALE 1=2	
01	CHNG'D TO S.E. ROT, ADDED MODEL# CHART	RDW 4/26/05	KJH	.XXX	±.0005	TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR	REF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	MAT'L.	DECAL 081183	FMF 140760
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	4/18/05	CAD FILE	00507710WD	SIZE A
				DIST		DRAWING NO. 005077-10WD		REV. 01



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

CERTIFICATION DATA SHEET

CATALOG #: 140155.00

CONN. DIAGRAM: 005077.10

OUTLINE: 037602-1200

MOUNTING: F1 ONLY

WINDING #: K9416 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1740	215T	DP	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	36	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.8	1/2 LOAD EFF:	78.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	83	3/4 LOAD PF:	82.6	1/2 LOAD PF:	74.6	78.5	CAP START CAP RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	182.8	61 LB-FT 271 %	47.5 LB-FT 211 %	53

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 LB-FT^2	0 LB-FT^2	10 SEC.	0	116 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 - LEESON (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)	ROLLED STEEL
6207	6206						

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

*
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

