



Product Information Packet

EM7144T-C

5//3HP,1750//1450RPM,3PH,60//50HZ,184T,0

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	06WGX182	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	06H297	Layout:	06LYH297	Poles:	04	Created Date:	08-04-2010
Base:	RG	Eff. Date:	03-06-2018	Leads:	9#16		

Specs			
Catalog Number:	EM7144T-C	Front Shaft Indicator:	None
Enclosure:	XPFC	Heater Indicator:	No Heater
Frame:	184T	Insulation Class:	B
Frame Material:	Iron	Inverter Code:	Not Inverter
Output @ Frequency:	3.000 HP @ 50 HZ	KVA Code:	J
	5.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	190.0 V @ 50 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	380.0 V @ 50 HZ	Motor Type:	0642M
XP Class and Group:	CLI GP C,D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	79
Agency Approvals:	CSA	Product Family:	General Purpose
	UL	Pulley End Bearing Type:	Ball
	UR	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None

Base Indicator:	Rigid	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	6.600 A @ 460.0 V	Shaft Rotation:	Reversible
	5.200 A @ 380.0 V	Shaft Slinger Indicator:	No Slinger
	14.000 A @ 208.0 V	Speed Code:	Single Speed
	13.200 A @ 230.0 V	Motor Standards:	NEMA
	10.400 A @ 190.0 V	Starting Method:	Direct on line
Design Code:	B	Thermal Device - Bearing:	NONE (OLD)
Drip Cover:	No Drip Cover	Thermal Device - Winding:	Normally Closed Thermostat
Duty Rating:	CONT	Vibration Sensor Indicator:	No Vibration Sensor
Electrically Isolated Bearing:	Not Electrically Isolated	Winding Thermal 1:	None
Feedback Device:	NO FEEDBACK	Winding Thermal 2:	None
Front Face Code:	Standard	XP Temp Code:	T4

Nameplate NP1482XPSL

NO.		CC	010A
SER.			
SPEC.	06H297X182G1		
CAT.NO.	EM7144T-C		
HP	5//3	T. CODE	T4
VOLTS	230/460//190/380		
AMPS	13.2/6.6//10.4/5.2		
RPM	1750//1450		
HZ	60//50	PH	3
SER.F.	1.00	DES	B
RATING	40C AMB-CONT	CL	B
FRAME	184T	CODE	J
USABLE AT 208V	14		
BLANK			

Parts List		
Part Number	Description	Quantity
SA200978	SA 06H297X182G1	1.000 EA
RA188283	RA 06H297X182G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
07CB1000A02	CONDUIT BOX, MODEL 306,EXP. PROOF	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
06EP1709A01	SPECIAL FRONT ENDPLATE X06M - XPFC	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3118K20	5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1718A01	36 PU EP XPFC 206 BRG	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3118K20	5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
06FH1003A06	FH, XP W/GRSR	1.000 EA
51XN1032A14	10-32 X 0.875 HX WS SL SR	4.000 EA
07CB1502A01	CONDUIT BOX LID MACH (DUCTILE IRON)	1.000 EA
84XN2520J16	1/4-20 X 1 SOC HD CAP SCREW	4.000 EA
84XN2520J16	1/4-20 X 1 SOC HD CAP SCREW	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1081F	ALUM XP CAUTION LABEL (FS PLANT ONLY-	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1482XPSL	SS XP UL CSA CC CL-I GP-C&D CL-II GP-F&G	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 35542 - Typical performance - not guaranteed values

Winding: 06WGX182-R002	Type: 0642M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5//3			Full Load Torque	15 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	13.2/6//10.4/5.2			Breakdown Torque	53.9 LB-FT
R.P.M.	1750//1450			Pull-up Torque	22.4 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	31.8 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	46.6 A
Service Factor (S.F.)	1			No-load Current	3.02 A
NEMA Nom. Eff.	89.5	Power Factor	79	Line-line Res. @ 25°C	2.63 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	53°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Locked-rotor Power Factor	40.5
				Rotor inertia	0.391 LB-FT ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	41	63	75	81	84	85
Efficiency	85.2	89.8	90.4	89.8	88.4	86.9
Speed	1789	1777	1765	1752	1737	1721
Line amperes	3.35	4.14	5.21	6.45	7.91	9.47

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values

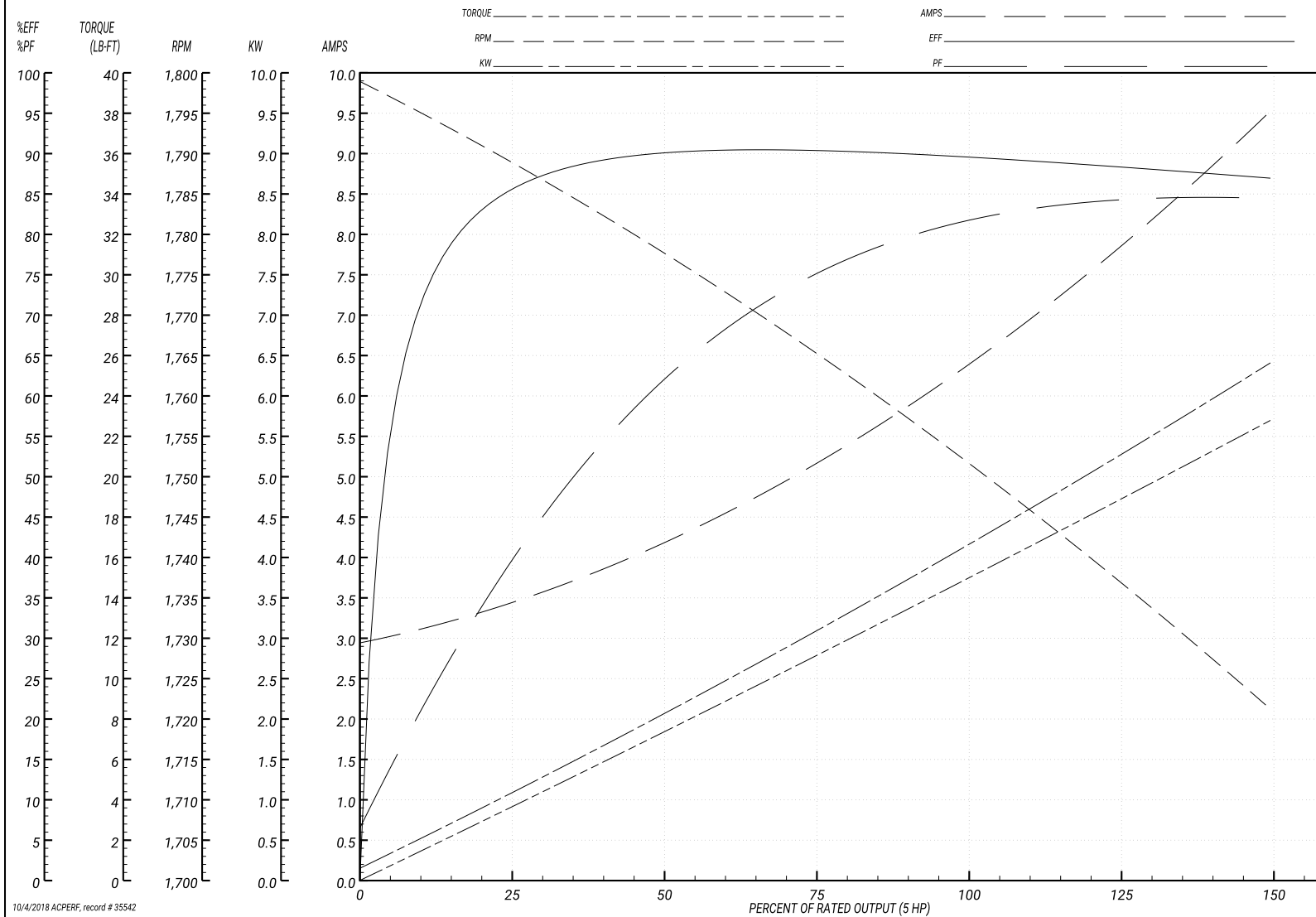
BALDOR ELECTRIC COMPANY

WINDING # 06WGX182

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1752 RPM 460 V 0642M

TORQUES(LB-FT): PO=53.9 PU=22.4 LR=31.8 LRA=46.6



AC Induction Motor Performance Data

Record # 50085 - Typical performance - not guaranteed values

Winding: 06WGX182-R002	Type: 0642M	Enclosure: XPFC
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Nameplate Data				440 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5//3			Full Load Torque	15.1 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	13.2/6.6//10.4/5.2			Breakdown Torque	49 LB-FT
R.P.M.	1750//1450			Pull-up Torque	20.2 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	28.7 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	44.2 A
Service Factor (S.F.)	1			No-load Current	2.79 A
NEMA Nom. Eff.	89.5	Power Factor	79	Line-line Res. @ 25°C	2.63 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	68°C
				Locked-rotor Power Factor	40.2
				Rotor inertia	0.391 LB-FT ²

Load Characteristics 440 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	45	67	78	83	85	86
Efficiency	86	90.2	90.3	89.9	88.2	86.1
Speed	1788	1775	1762	1748	1731	1713
Line amperes	3.17	4.06	5.25	6.61	8.19	9.92

Performance Graph at 440V, 60Hz, 5.0HP Typical performance - Not guaranteed values

