

BALDOR® • RELIANCE

Product Information Packet

CTM2276T

7.5HP,1160RPM,3PH,60HZ,254T,3756M,TEAO,F

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0756M	Elec. Spec:	07WGX825	CD Diagram:	CD0005
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	07J566	Layout:	07LYJ566
Frame:	254T	Mounting:	F1	Poles:	06	Created Date:	03-06-2006
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1258E									
CAT.NO.	CTM2276T								
SPEC.	07J566X825H1								
HP	7.5								
VOLTS	208-230/460								
AMP	24-21.8/10.9								
RPM	1160								
FRAME	254T	HZ			60	PH		3	
SER.F.	1.15	CODE			K	DES		A	CL
NEMA-NOM-EFF	89.5	PF			72				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6309	ODE			6206				
ENCL	TEAO	SN							
	1275 FPM AT 170CFM								

Parts List		
Part Number	Description	Quantity
SA139870	SA 07J566X825H1	1.000 EA
RA129314	RA 07J566X825H1	1.000 EA
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 ID	1.000 EA
HW3201A01	1/2-13 EYEBOLT	1.000 EA
HA7205	"L" SHAPE LIFTING LUG FOR 37,39 & 40 FRA	2.000 EA
09CB1002A26G	KOBX W/1.00 NPT LD HL .25-20 TAP FOR LID	1.000 EA
RM1017	LEAD SEPERATOR GASKET MODEL 307 1/8" THK	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA4044A00	PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	2.000 EA
37EP1100C42G	35 EP FR TENV 206 BRG NO GRSR .125 NPT(E	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4044A00	PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
07EP1116A36G	PUEP, 309 LOCK BRG, (3).125 NPT(GRAY)	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4044A00	PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD	2.000 EA
10XN2520A32	1/4 X 2 HEX HEAD CAP SCR,GRADE 2	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
12CB1503A01G	CONDUIT BOX LID, MACH, WITH LIP,GREY	1.000 EA
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
HA7000A03	KEY RETAINER RING 1.62 & 1.88 DIA. SH	1.000 EA
HW4600B67	FORSHEDA #V45A FACE SEAL	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
LB1182	WARNING LABEL FOR MOTORS WITH EYENUTS	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.036 GA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1258E	SS CP UL CSA CC	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
10XL3808A28	3/8 X 1 3/4" LAG SCREW	2.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 36500 - Typical performance - not guaranteed values

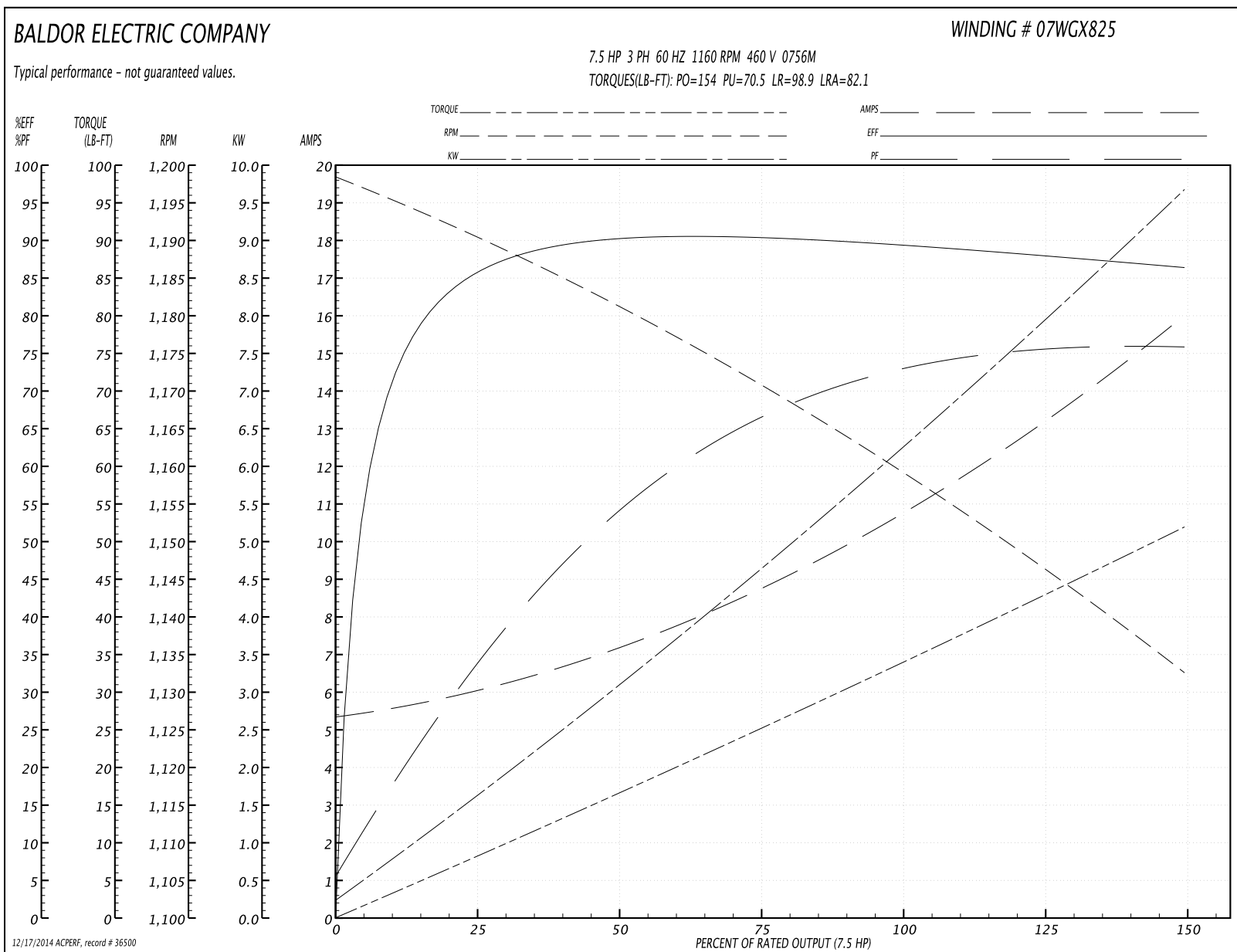
Winding: 07WGX825-R001	Type: 0756M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	33.7 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	24-21.8/10.9			Breakdown Torque	154 LB-FT
R.P.M.	1160			Pull-up Torque	70.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	98.9 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	82.1 A
Service Factor (S.F.)	1.15			No-load Current	5.5 A
NEMA Nom. Eff.	89.5	Power Factor	72	Line-line Res. @ 25°C	1.06 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	53°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Rotor inertia	1.39 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	66	72	74	77	73
Efficiency	84.8	89.3	90.1	89.8	88.6	86.1	89.1
Speed	1190	1181	1171	1160	1147	1132	1152
Line amperes	5.82	7.07	8.75	10.8	13.3	15.9	12.3

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values

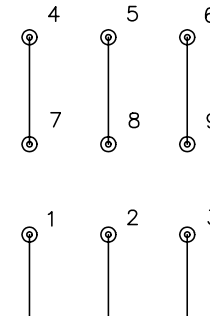




CD0005


 LOW VOLTAGE
(2Y)


LINE

 HIGH VOLTAGE
(1Y)


LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005