

BALDOR® • RELIANCE

Product Information Packet

M1725T

7.5/3.3HP,1760/1160RPM,3PH,60HZ,254T

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0928M	Elec. Spec:	09WGX206	CD Diagram:	CD0013
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09C101	Layout:	09LYC101
Frame:	254T	Mounting:	F1	Poles:	04/06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-29-2014
Leads:	6#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M1725T								
SPEC.	09C101X206								
HP	7.5/3.3								
VOLTS	460								
AMP	10.3/5.7								
RPM	1760/1160								
FRAME	254T	HZ			60	PH		3	
SER.F.	1.15	CODE			H	DES		B	CLASS
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6309	ODE			6208				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA011436	SA 09C101X206	1.000 EA
RA007636	RA 09C101X206	1.000 EA
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLOCKWASHER	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
09EP1101A136	PU ENDPLATE, MACH	1.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09EP1100A194	ENDPLATE, MACH	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3113A02	THRUBOLT 3/8-16 X 16.750	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09FH4000SP	FAN COVER, STAMPED	1.000 EA
HA2081A05	SPACER TUBE, 309 FAN HSG, 2.00 LONG	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
09FN3001A01SP	EXTERNAL FAN, PLASTIC	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

Accessories		
Part Number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 36431 - Typical performance - not guaranteed values

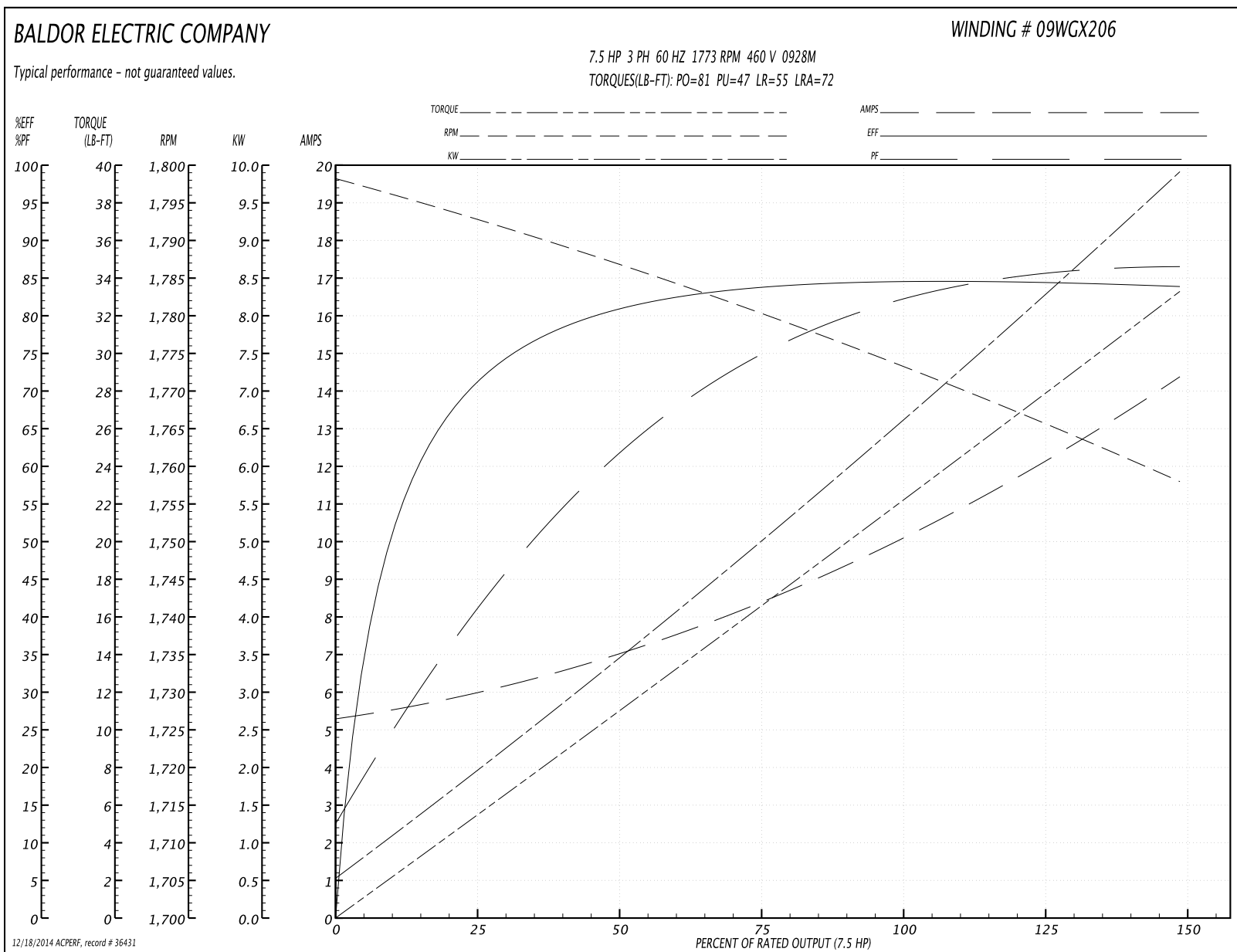
Winding: 09WGX206-R002	Type: 0928M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	7.5/3.3			Full Load Torque	22.2 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	10.3/5.7			Breakdown Torque	81 LB-FT
R.P.M.	1760/1160			Pull-up Torque	47 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	55 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	72 A
Service Factor (S.F.)	1.15			No-load Current	5.4 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	2.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	73°C

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	63	75	82	86	88	84
Efficiency	70.9	80.8	83.8	84.7	84.5	83.8	84.6
Speed	1793	1787	1780	1773	1766	1758	1769
Line amperes	5.9	6.9	8.4	10.3	12.1	14.3	11.3

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



AC Induction Motor Performance Data

Record # 36432 - Typical performance - not guaranteed values

Winding: 09WGX206-R002	Type: 0928M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	7.5/3.3			Full Load Torque	14.7 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	10.3/5.7			Breakdown Torque	52 LB-FT
R.P.M.	1760/1160			Pull-up Torque	26 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	31 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	32 A
Service Factor (S.F.)	1.15			No-load Current	4.4 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	5.91 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	60°C

Load Characteristics 460 V, 60 Hz, 3.3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	45	57	67	74	78	71
Efficiency	58.5	72	77.2	79.2	79.8	79.4	79.6
Speed	1195	1191	1187	1182	1177	1172	1179
Line amperes	4.5	4.8	5.2	5.7	6.6	7.5	6.32

Performance Graph at 460V, 60Hz, 3.3HP Typical performance - Not guaranteed values

