

BALDOR® • RELIANCE

Product Information Packet

M1757T

3/.75HP,1725/850RPM,3PH,60HZ,184T,3628M

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3628M	Elec. Spec:	36WGW286	CD Diagram:	CD0032
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A001	Layout:	36LYA001
Frame:	184T	Mounting:	F1	Poles:	04/08	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-06-2009
Leads:	6#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M1757T								
SPEC.	36A01W286								
HP	3/.75								
VOLTS	460								
AMP	4/1.6								
RPM	1725/850								
FRAME	184T	HZ			60	PH		3	
SER.F.	1.15	CODE			G	DES		B	CLASS
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6206	ODE			6205				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA033876	SA 36A01W286	1.000 EA
RA029904	RA 36A01W286	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	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
36EP3104A01	FREP MACH W/GRSR, RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102	IEC FH GREASER W/AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0032	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 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

Accessories		
Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 36956 - Typical performance - not guaranteed values

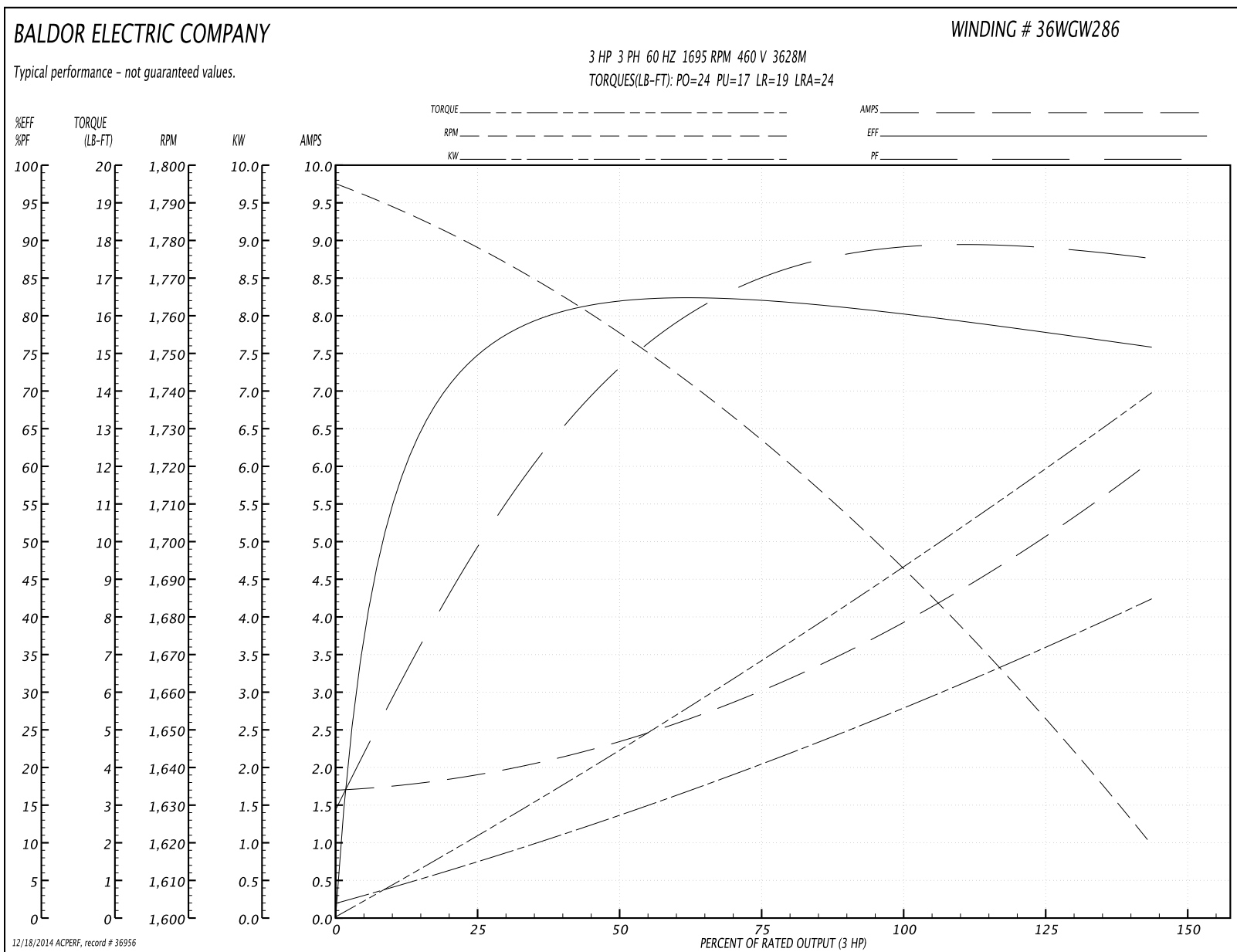
Winding: 36WGW286-R005	Type: 3628M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	3/7.5			Full Load Torque	9.3 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	4/1.6			Breakdown Torque	24 LB-FT
R.P.M.	1725/850			Pull-up Torque	17 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	24 A
Service Factor (S.F.)	1.15			No-load Current	1.7 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	7.95 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	84°C
S.F. Amps				Temp. Rise @ S.F. Load	105°C

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	75	84	89	89	88	89
Efficiency	73.6	81	82.1	80.9	78.5	75.5	79.5
Speed	1775	1752	1725	1695	1660	1617	1674
Line amperes	1.9	2.4	3.1	3.9	4.9	6.1	4.5

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 36957 - Typical performance - not guaranteed values

Winding: 36WGW286-R005	Type: 3628M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	3/7.5			Full Load Torque	4.7 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	4/1.6			Breakdown Torque	10 LB-FT
R.P.M.	1725/850			Pull-up Torque	7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.1 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	5.4 A
Service Factor (S.F.)	1.15			No-load Current	1.1 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	31.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps				Temp. Rise @ S.F. Load	66°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	46	59	70	72	75	71
Efficiency	52.4	66	70.9	71.8	70.7	67.5	71.1
Speed	887	875	861	845	826	801	834
Line amperes	1.1	1.2	1.3	1.4	1.7	2	1.58

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values

