

BALDOR® • RELIANCE

Product Information Packet

IDM3581T-5

1HP,1760RPM,3PH,60HZ,143TC,0519M,TEBC,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0519M	Elec. Spec:	05WGX127	CD Diagram:	CD0006
Enclosure:	TEBC	Mfg Plant:		Mech. Spec:	05E535	Layout:	05LYE535
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	08-24-2010
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	12-11-2012
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1162L									
CAT NO	IDM3581T-5								
SPEC.	05E535X127G1								
FRAME	143TC	HP	1 TE						
VOLTS	575								
MAG CUR	.8	FLA	1.2						
RPM	1760	RPM MAX	6000						
HZ	60	PH	3	CLASS		H			
SER.F.	1.00	DES	B	SL HZ		1.33			
NEMA-NOM-EFF	85.5	WK2	0.11						
BLWR V		PH		HZ			A		
RATING	40C AMB-CONT								
DE BRG	6205	ODE BRG	6203						
CC		SN							

Parts List		
Part Number	Description	Quantity
SA201951	SA 05E535X127G1	1.000 EA
RA189242	RA 05E535X127G1	1.000 EA
06CB3000	BALDOR CONDUIT BOX CAST	1.000 EA
06GS1000	GASKET,CONDUIT BOX	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	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
35EP1100B21	FRONT TEBC 203 BRG W/ GREASER & THRU-SHA	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1329A01	PU EP ENCL 143-5TC 205 BRG W/GRSR & STD	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA3100A28	THRUBOLT 10-32 X 8.187	4.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	1.000 EA
HA3218A04	MALE-FEMALE STANDOFF .25-.20 .38 HEX	3.000 EA
10XN2520A04	1/4-20 X 1/4 HEX HD MACH SCREW	3.000 EA
HW1003A25	WASHER, 1/4 EX TH LK, ZN X	3.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
05FH5001A03	BLOWER KIT,05FH4002,EF0008,35CB3002	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
LC0035B01	1PH, SV, FIX, 2 LEAD	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1162L	SS INV UL CSA CC	1.000 EA
G7PA1000	PACKAGING GROUP / BALDOR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA



AC Induction Motor Performance Data

Record # 36473

Typical performance - not guaranteed values

Winding: 05WGX127	Type: 0519M	Enclosure: TEBC
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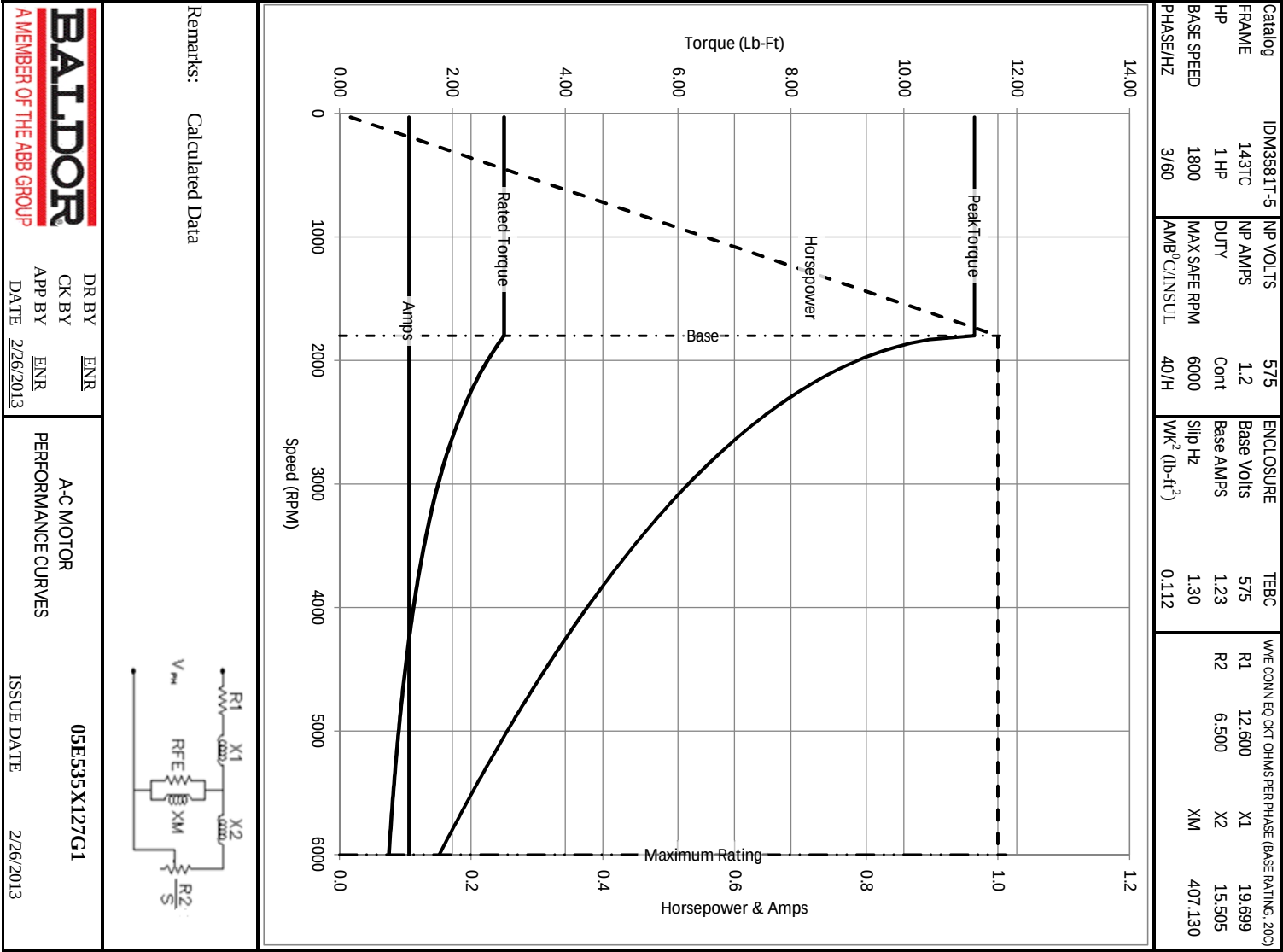
Nameplate Data			General Characteristics at 575 V, 60 Hz: Single Volt Motor				
Rated Output (HP)	1		Full Load Torque	2.97 LB-FT			
Volts	575		Start Configuration	DOL			
Full Load Amps	1.2		Break Down Torque	12.5 LB-FT			
R.P.M.	1760		Pull-Up Torque	6.13 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque	8.45 LB-FT		
NEMA Design Code	B	KVA Code	L	Starting Current	9.66 Amps		
Service Factor	1			No-load Current	0.8 Amps		
NEMA Nom. Eff.	85.5	P.F.	71	Line-line Res. @ 25°C.	25.7 Ohms		
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C		
S.F. Amps				Temp. Rise @ S.F. Load			

Load Characteristics at 575 Volts, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	49	62	71	77	80	
Efficiency	72	81.9	84.8	85.7	85.3	84.4	
Speed	1791	1781	1772	1761	1749	1736	
Line Amperes	0.839	0.919	1.06	1.23	1.43	1.66	

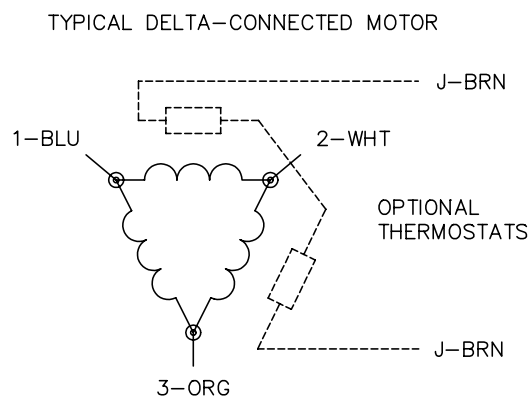
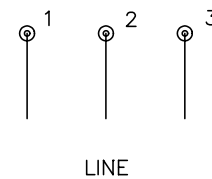
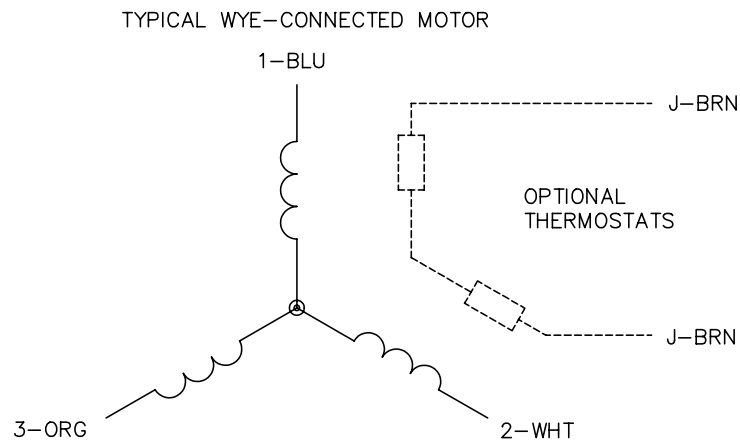
Baldor Electric Company Fort Smith, Arkansas







CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006