

BALDOR® • RELIANCE

Product Information Packet

ZDVSNCP3587T

2HP,1755RPM,3PH,60HZ,145TC,0535M,TENV,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0535M	Elec. Spec:	05WGX131	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	05F205	Layout:	05LYF205
Frame:	145TC	Mounting:	F1	Poles:	04	Created Date:	09-09-2010
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	11-27-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1167L									
CAT NO	ZDVSNCP3587T								
SPEC.	05F205X131Z1								
FRAME	145TC	HP	2 TE						
VOLTS	230/460								
MAG CUR	3.2/1.6	FLA	5.6/2.8						
RPM	1755	RPM MAX	5500						
HZ	60	PH	3			CLASS	H		
SER.F.	1.00	DES	B			SL HZ	1.5		
NEMA-NOM-EFF	86.5	WK2	0.21						
BLWR V		PH				HZ		A	
RATING	40C AMB-CONT								
DE BRG	6205	ODE BRG	6203						
CC		SN							

Parts List		
Part Number	Description	Quantity
SA202980	SA 05F205X131Z1	1.000 EA
RA190243	RA 05F205X131Z1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB1000A02G	CONDUIT BOX, MACH GRAY	1.000 EA
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	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
35EP1100C64G	FRONT TENV 203 BRG CP DUTY FOR THRU-SHAF	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1329A16G	PUEP ENCL 143-5TC 205 BRG,GRSR,RLF,NPT D	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
51XN1032A18	10-32 X 1 1/8 HX WS SL SR (ESKAY)	2.000 EA
HA3100A28	THRUBOLT 10-32 X 8.187	4.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	1.000 EA
35FH4801G	THRU-SHAFT ENCODER COVER INV/VECTOR F1 &	1.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
06CB1502A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 EA
06GS1003	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 EA
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
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 EA
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X 0.240	1.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
OE5011A08	HS25 ENCODER ASSY - TENV "CP DUTY"	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.022 GA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1167L	SS VEC UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	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

AC Induction Motor Performance Data

Record # 33946 - Typical performance - not guaranteed values

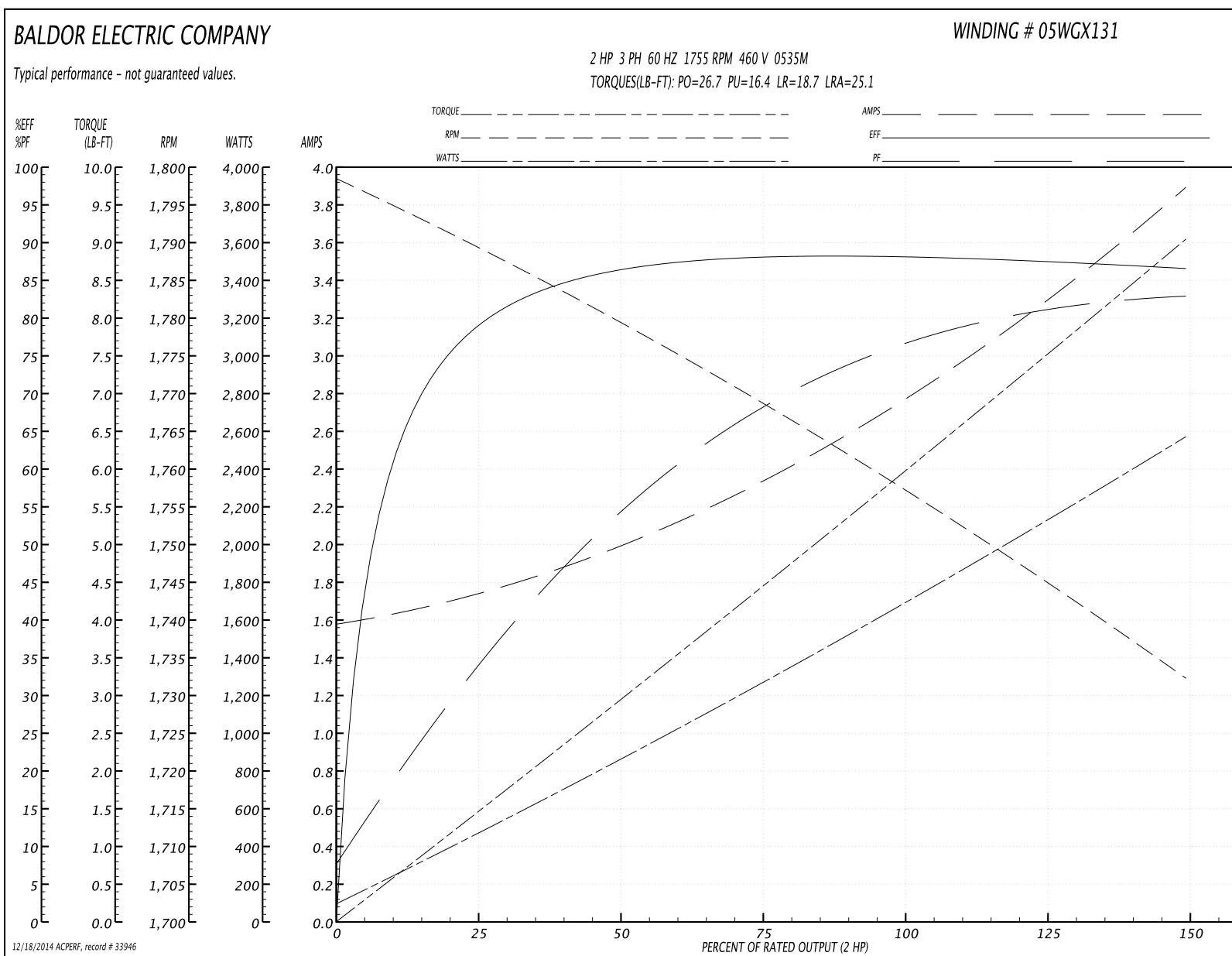
Winding: 05WGX131-R002	Type: 0535M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.95 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.6/2.8			Breakdown Torque	26.7 LB-FT
R.P.M.	1755			Pull-up Torque	16.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.7 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	25.1 A
Service Factor (S.F.)	1			No-load Current	1.6 A
NEMA Nom. Eff.	86.5	Power Factor	76	Line-line Res. @ 25°C	6.61 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C

Load Characteristics 460 V, 60 Hz, 2 HP

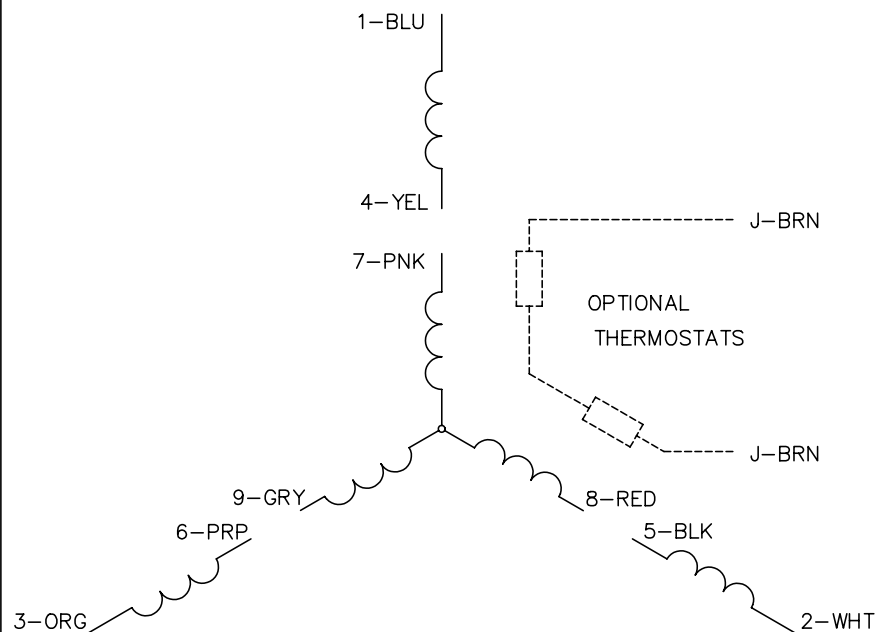
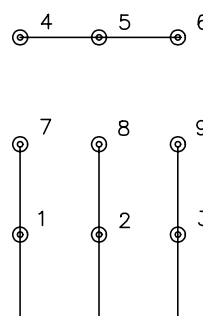
% of Rated Load	25	50	75	100	125	150
Power Factor	34	55	68	76	81	83
Efficiency	78.1	86.2	88.1	88.2	87.6	86.5
Speed	1789	1779	1769	1758	1745	1732
Line amperes	1.71	1.97	2.34	2.79	3.3	3.88

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

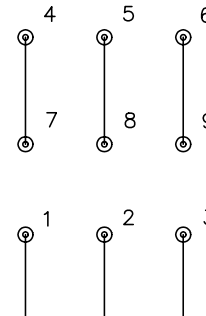




CD0005

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