

BALDOR® • RELIANCE

Product Information Packet

VECP3580-4

1HP,3450RPM,3PH,60HZ,56C,0516M,TEFC,F1,N

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0516M	Elec. Spec:	05WGW234	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	05F005	Layout:	05LYF005
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	02-20-2011
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	01-11-2016
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3258E

CAT.NO.	VECP3580-4									
SPEC.	05F005W234G1									
HP	1	TE								
VOLTS	460									
AMP	1.4									
RPM	3450									
FRAME	56C				HZ		60			
SER.F.	1.25			CODE		L	DES		B	
RATING	40C AMB-CONT									
SN										
DE	6205				ODE		6205			
NEMA-NOM-EFF	84				PF		82			
G.MIN.EFF	81.5			CC		010A				
T. CODE	T4			T=		135				

PH	3
CL	F

Nameplate NP3261E

SPEC.	05F005W234G1		
D.E. BRG.	25BC02XP30X		
O.D.E. BRG.	25BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	5400	MAX. KVAR	0.19
BLANK	SFA 1.6		
INV.TYPE	PWM		
T=	135		
C HP FR	60	C HP TO	90
CT HZ FROM	6	CT HZ TO	60
VT HZ FROM	3	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS			
		MAX. SPACE HEATER TEMP.	

Parts List		
Part Number	Description	Quantity
SA217862	SA 05F005W234G1	1.000 EA
RA205041	RA 05F005W234G1	1.000 EA
05SF1101A04	STATOR FRAME MACHING MODEL 305 VERT 32-6	1.000 EA
HW3021G06	.188X 5/8 ROLLED SPR PIN	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	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	1.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
35EP1102B03G	FREP TEFC 205 BRG,GRSR,RLF,.125 NPT DRAI	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP1329A16G	PUEP ENCL 143-5TC 205 BRG,GRSR,RLF,NPT D	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	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

Parts List (continued)		
Part Number	Description	Quantity
35FH1000A04G	SPL FAN COVER MODEL 35 (GRAY)	1.000 EA
10XN2520A16	1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED	3.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 EA
WD4100A03	DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC	1.000 EA
35FH4500A11	DRIPCOVER(W/ PRIMER)	1.000 EA
HA2001A13	35-10103 SPACER WELKER	3.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	3.000 EA
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
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 EA
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MG1025N19	WILKOFASST, 778.50, RELIANCE BLUE-GREEN	0.022 GA
MG1500Y02	PRIMER,347.29+347.29C ACTIVATOR WILKOPON	0.022 GA
LB1119N	WARNING LABEL	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

LC0006	CONNECTION LABEL	1.000 EA
NP3258E	SS CP SUPER-E DIV-2 UL CSA-C US EEV CC	1.000 EA
NP3261E	SS CP SUPER-E AUX DATA INFORMATION	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA

AC Induction Motor Performance Data

Record # 47145 - Typical performance - not guaranteed values

Winding: 05WGW234-R019	Type: 0516M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1			Full Load Torque	1.5 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	1.4			Breakdown Torque	6.5 LB-FT
R.P.M.	3450			Pull-up Torque	4.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.7 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	12.1 A
Service Factor (S.F.)	1.25			No-load Current	0.68 A
NEMA Nom. Eff.	84	Power Factor	82	Line-line Res. @ 25°C	15.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	32°C
S.F. Amps	1.6			Temp. Rise @ S.F. Load	40°C
				Rotor inertia	0.0442 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	65	77	84	87	89	87
Efficiency	70.5	80.5	83.6	84.6	84.4	83.7	84.4
Speed	3567	3539	3510	3479	3446	3410	3446
Line amperes	0.75	0.9	1.09	1.33	1.56	1.88	1.56

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values

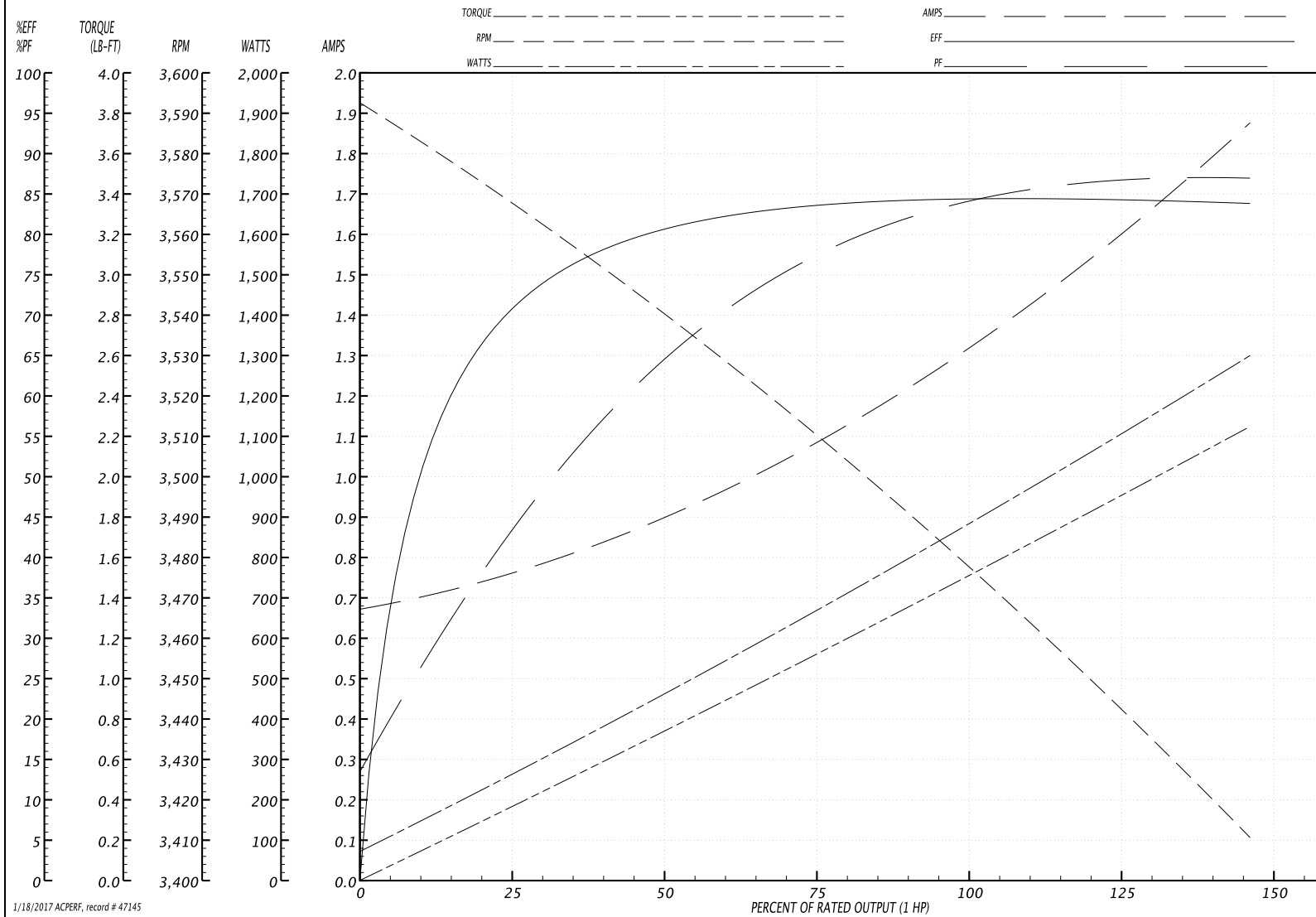
BALDOR ELECTRIC COMPANY

Typical performance - not guaranteed values.

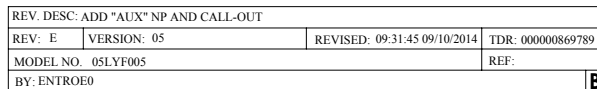
WINDING # 05WGW234

1 HP 3 PH 60 HZ 3450 RPM 460 V 0516M

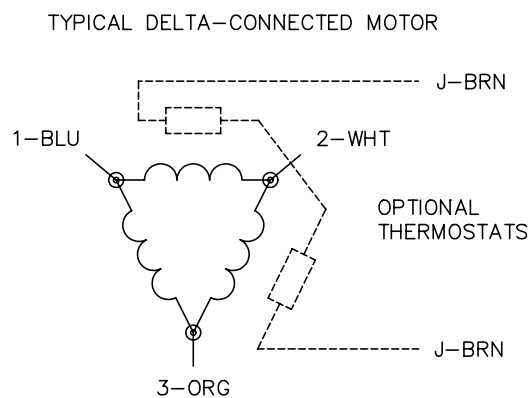
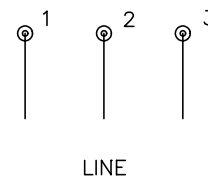
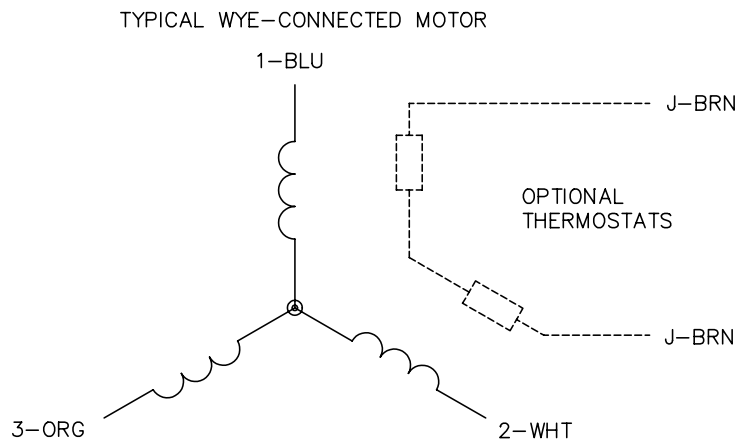
TORQUES(LB-FT): PO=6.5 PU=4.8 LR=5.7 LRA=12.1



1/18/2017 ACPEF, record # 47145



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: -

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

CD0006