

BALDOR® • RELIANCE 

Product Information Packet

EGDM3665T

5HP,1750RPM,3PH,60HZ,184TZ,0641M,TEFC,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	06WGX182	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	06K575	Layout:	06LYK575	Poles:	04	Created Date:	02-19-2016
Base:	RG	Eff. Date:	04-06-2016	Leads:	9#16 SEE NOTES		Y

Specs			
Catalog Number:	EGDM3665T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	184TZ	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	J
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	5.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	208.0 V @ 60 HZ	Motor Type:	0642M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	79
Agency Approvals:	CSA	Product Family:	General Purpose
	CSA EEV	Pulley End Bearing Type:	Ball
	UR	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	RoHS Status:	ROHS COMPLIANT

Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	14.000 A @ 208.0 V	Shaft Rotation:	Reversible
	6.600 A @ 460.0 V	Shaft Slinger Indicator:	Shaft Slinger
	13.200 A @ 230.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3126L										
CAT.NO.	EGDM3665T									
SPEC.	06K575X182G1									
HP	5									
VOLTS	208-230/460									
AMP	14-13.2/6.6									
RPM	1750									
FRAME	184TZ				HZ	60			PH	3
SER.F.	1.15		CODE	J	DES	B		CL	F	
NEMA-NOM-EFF	89.5		PF	79						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			14		
DE	6206				ODE	6205				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA315532	SA 06K575X182G1	1.000 EA
RA303062	RA 06K575X182G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	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
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP1101C46	FR ENDPLATE, MACH	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1100A14	EP PU 206 BRG NO GRSR W/SEAL	1.000 EA
HW4600B50	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A02	FAN COVER FOR VM7042T,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1025C02	WILKOFASST SG, 787.105, TAN	0.028 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2200bx) 4/22	1.000 EA
NP3126L	ALUM FARM DUTY SUPER-E UL CSA-EEV PREM	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA

AC Induction Motor Performance Data

Record # 37403

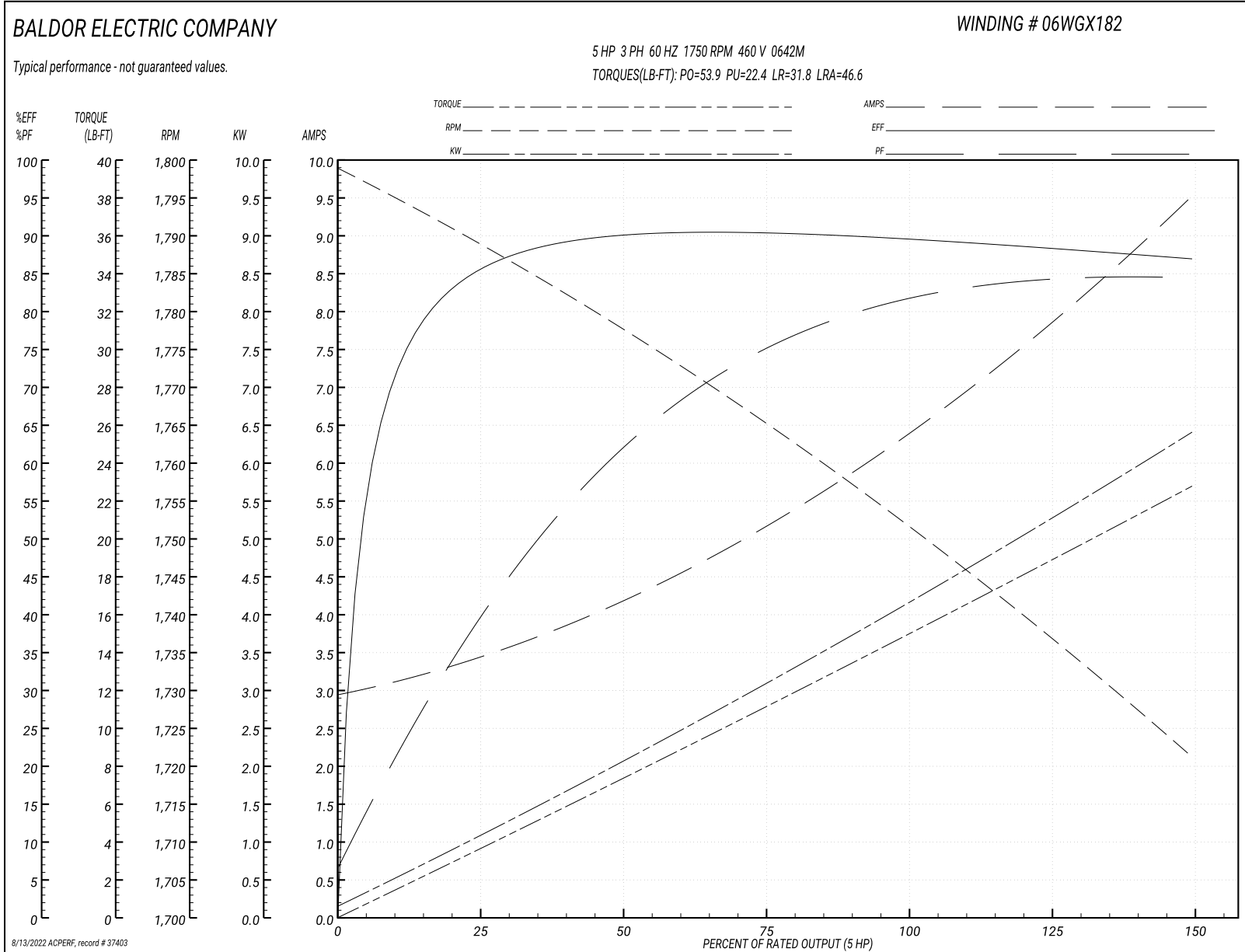
Typical performance - not guaranteed values

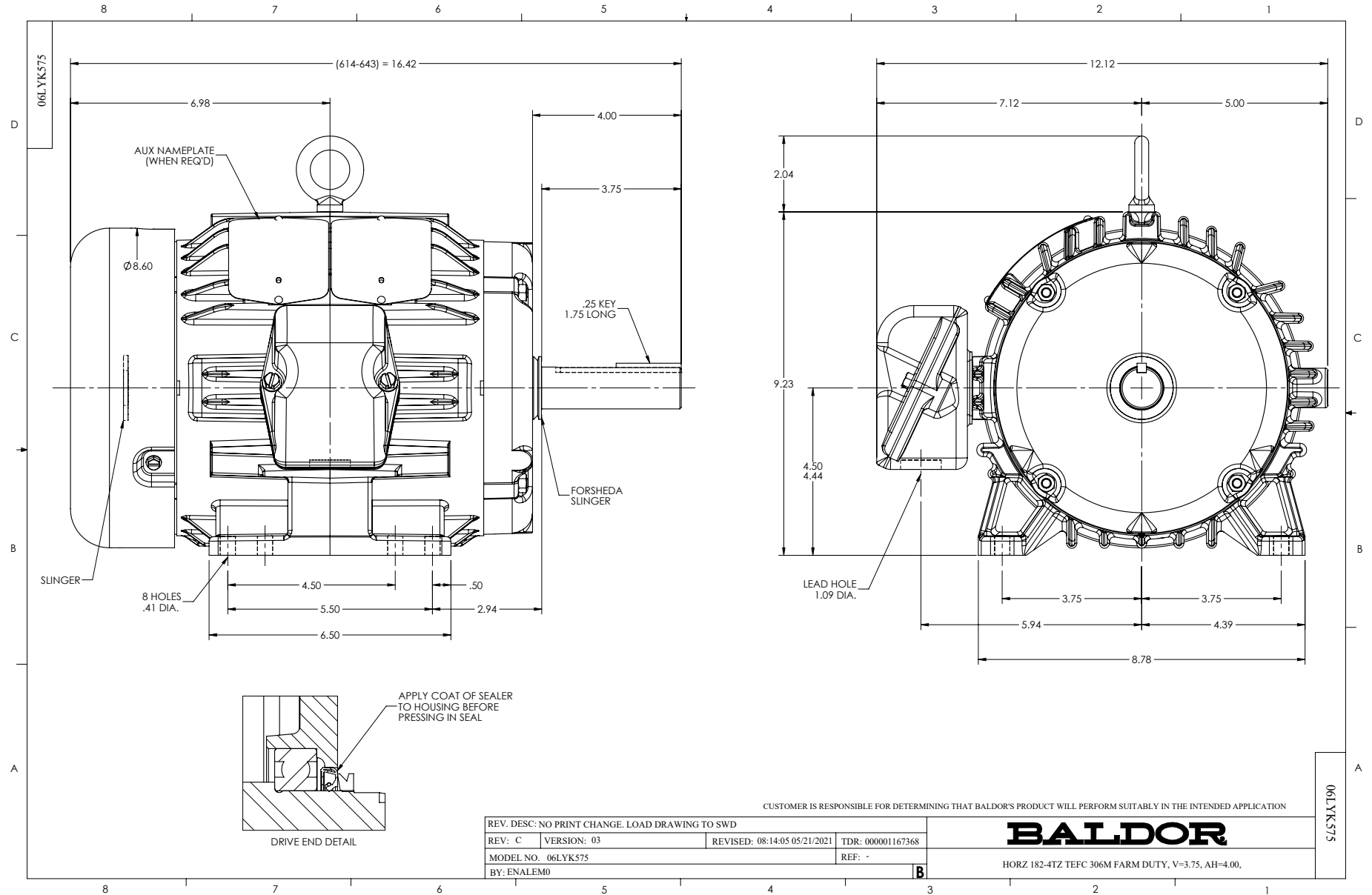
Winding: 06WGX182-R001		Type: 0642M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5	Full Load Torque	15 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	13.2/6.6	Breakdown Torque	53.9 LB-FT	
R.P.M.	1750	Pull-up Torque	22.4 LB-FT	
Hz	60 Phase	Locked-rotor Torque	31.8 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	46.6 A	
Service Factor (S.F.)	1.15	No-load Current	3.02 A	
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	2.6259 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	53°C	
S.F. Amps		Temp. Rise @ S.F. Load	66°C	
		Locked-rotor Power Factor	40	
		Rotor inertia	0.391 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	75	81	84	85	83
Efficiency	85.2	89.7	90.3	89.8	88.5	86.9	89
Speed	1789	1777	1765	1752	1737	1721	1743
Line amperes	3.35	4.14	5.21	6.45	7.91	9.47	7.33

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





CD0005

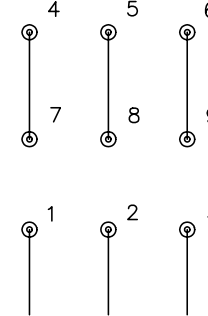


LOW VOLTAGE
(2Y)



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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005