ABB BALDOR RELIANCE

Customer information packet

VLECP3665T

5HP, 1750RPM, 3PH, 60HZ, 184LP, 0641M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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Specifications

Enclosure	TEFC
Frame	184LP
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CCSA US
	CSA EEV
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	1.7
Current @ Voltage	6.600 A @ 460.0 V
	14.000 A @ 208.0 V
	13.200 A @ 230.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	N
Type	AC
Mech. spec.	06F063
Base	
Status	PRD/A
Elec. spec.	06WGX182
Layout	06LYF063
Eff. date	08-06-2026
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	07-07-2015

Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	6.6 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0642M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.18 IN
Power Factor	79
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Thrust
Pulley Face Code	P-Base
Pulley Shaft Indicator	P-Base Groove & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 rpm
Speed Code	Single Speed
Starting Method	Direct on line

Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3258									
CAT.NO.	VLECP3665T								
SPEC.	06F063X182G2								
HP	5 TE								
VOLTS	230/460								
AMP	13.2/6.6								
RPM	1750								
FRAME	184LP	**HZ**	60		**PH**	3			
SER.F.	1.15	**CODE**	J	**DES**	B		**CL**	F	
RATING	40C AMB-CONT								
SN									
DE	QJ307	**ODE**	6206						
NEMA-NOM-EFF	89.5	**PF**	80						
G.MIN.EFF	87.5	**CC**	010A						
T. CODE	T3C	**T=**	160						

NP3261					
SPEC.	06F063X182G2				
D.E. BRG.	35BZ03X00X				
O.D.E. BRG.	30BC02X30X				
GREASE	POLYREX EM				
RPM MAX	2700	**MAX. KVAR**	1.1		
BLANK	SFA 14.6/7.3				
INV.TYPE	PWM				
T=	160				
C HP FR	60	**C HP TO**	90		
CT HZ FROM	1.7	**CT HZ TO**	60		
VT HZ FROM	-0	**VT HZ TO**	60		
HTR-VOLTS	N/A	**HTR-AMPS**	N/A		
HTR-WATTS	N/A	**MAX. SPACE HEATER TEMP.**		N/A	

AC Induction Motor Performance Data
Record # 34381
Typical performance - not guaranteed values

Winding: 06WGX182-R004	**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	**Breakdown Torque**	53.9 LB-FT
R.P.M.			1750	**Pull-up Torque**	22.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	31.8 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	46.6 A
Service Factor (S.F.)			1.15	**No-load Current**	3.02 A
NEMA Nom. Eff.	89.5	**Power Factor**	80	**Line-line Res. @ 25ºC**	2.63 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	53°C
S.F. Amps				**Temp. Rise @ S.F. Load**	65°C
				Locked-rotor Power Factor	40.5
				Rotor inertia	0.391 LB-FT2

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	81
Efficiency	85.2	89.8	90.4	89.8	88.4	86.9	88.7
Speed	1789	1777	1765	1752	1737	1721	1739
Line amperes	3.35	4.14	5.21	6.45	7.91	9.47	7.52

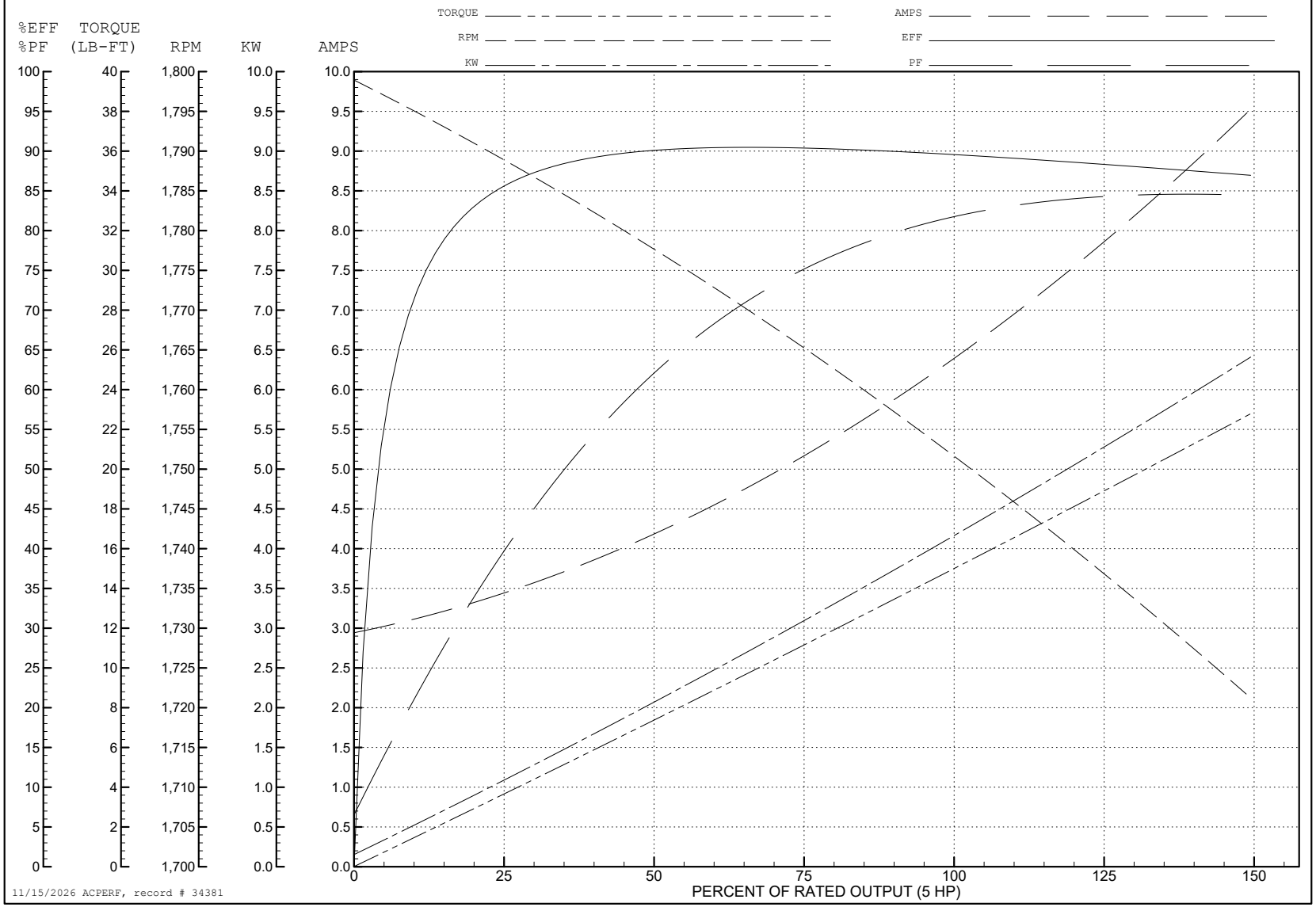
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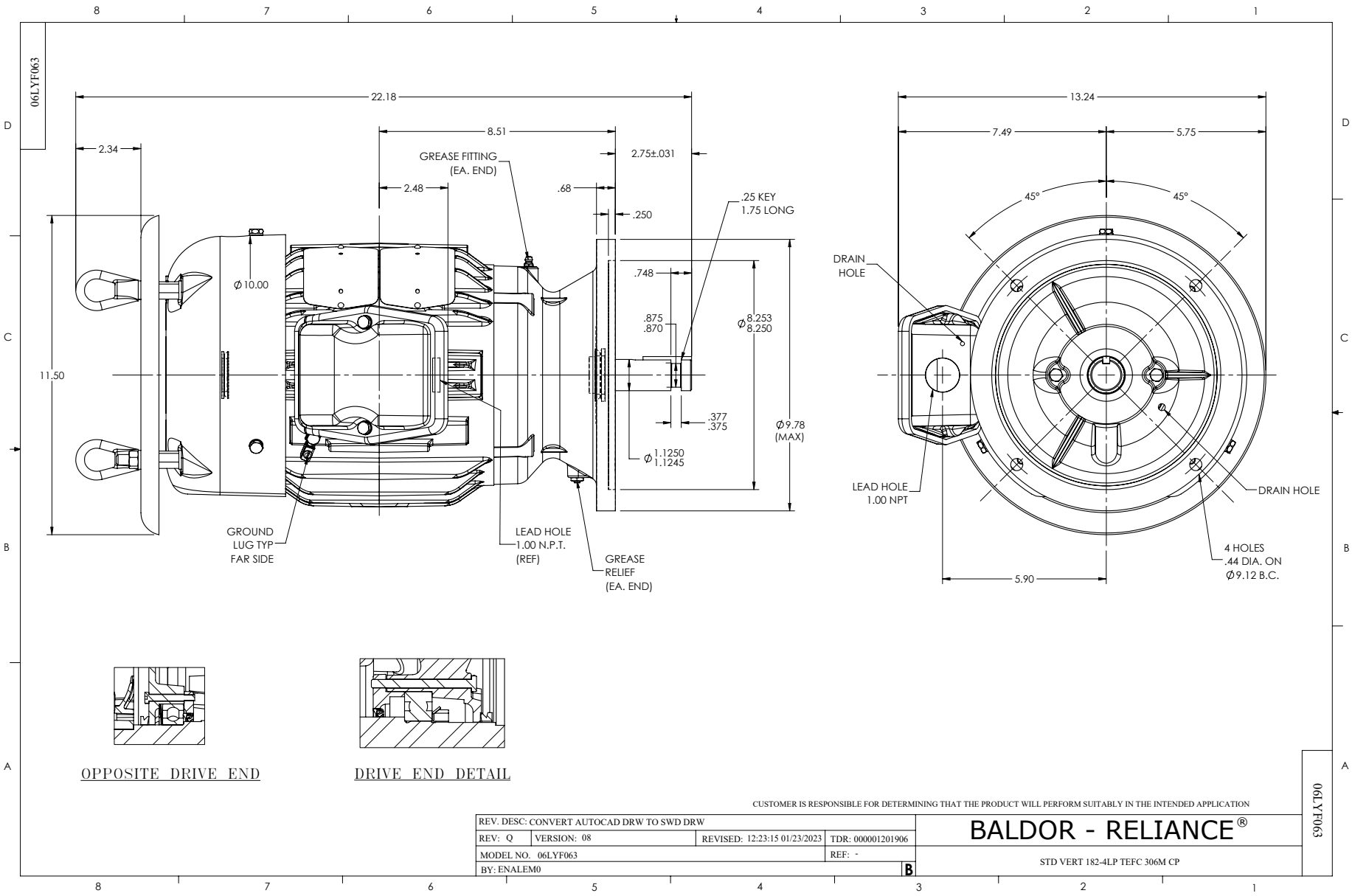
WINDING # 06WGX182

5 HP 3 PH 60 HZ 1750 RPM 460 V 0642M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=53.9 PU=22.4 LR=31.8 LRA=46.6





OPPOSITE DRIVE END

DRIVE END DETAIL

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

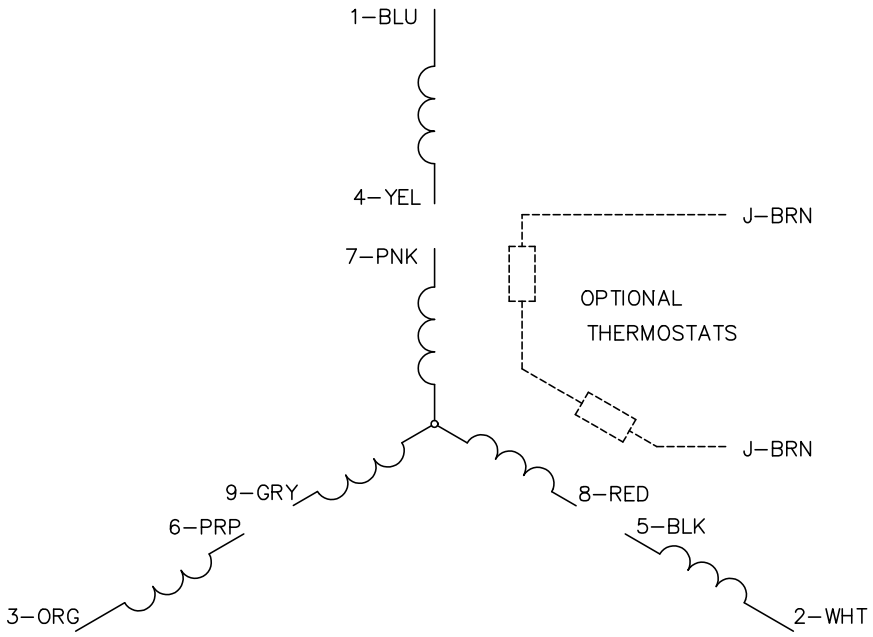
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MODEL NO. 06LYF063			REF: -
BY: ENALEM0			B

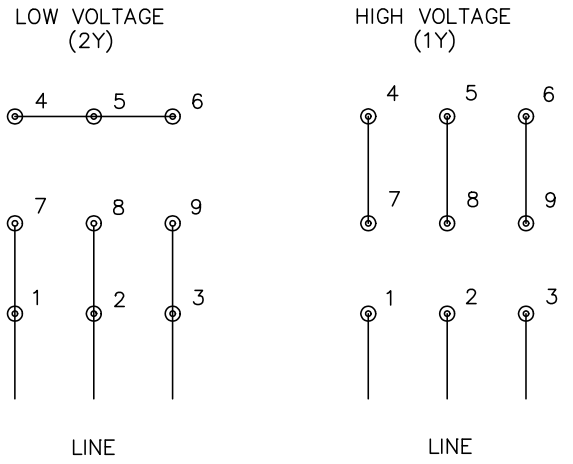
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STD VERT 182-4LP TEFC 306M CP

06LYF063

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
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		MTL: –	3PH, DV, 9 LEADS