ABB BALDOR RELIANCE

Customer information packet

VLECP3661T

3HP, 1755RPM, 3PH, 60HZ, 182LP, 0632M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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Specifications

Enclosure	TEFC
Frame	182LP
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	3.000 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	1.5
Current @ Voltage	8.600 A @ 208.0 V
	8.200 A @ 230.0 V
	4.100 A @ 460.0 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	F
Type	AC
Mech. spec.	06F063
Base	
Status	PRD/A
Elec. spec.	06WGX181
Layout	06LYF063
Eff. date	02-21-2022
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	4.1 a
Insulation Class	F
Inverter Code	Inverter Ready
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	0632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.18 IN
Power Factor	77
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
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	1755 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.	VLECP3661T										
SPEC.	06F063X181G1										
HP	3 TE										
VOLTS	230/460										
AMP	8.2/4.1										
RPM	1755										
FRAME	182LP	**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**	77								
G.MIN.EFF	87.5	**CC**	010A								
T. CODE	T3C	**T=**	160								

NP3261					
SPEC.	06F063X181G1				
D.E. BRG.	35BZ03X00X				
O.D.E. BRG.	30BC02X30X				
GREASE	POLYREX EM				
RPM MAX	2700	**MAX. KVAR**	0.87		
BLANK	SFA 9.2/4.6				
INV.TYPE	PWM				
T=	160				
C HP FR	60	**C HP TO**	90		
CT HZ FROM	1.5	**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 # 35861
Typical performance - not guaranteed values

Winding: 06WGX181-R006	**Type:** 0632M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	9.06 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8.2/4.1	**Breakdown Torque**	33.1 LB-FT
R.P.M.			1755	**Pull-up Torque**	18.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	20.4 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	29.8 A
Service Factor (S.F.)			1.15	**No-load Current**	2.14 A
NEMA Nom. Eff.	89.5	**Power Factor**	77	**Line-line Res. @ 25ºC**	3.94 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	35°C
S.F. Amps				**Temp. Rise @ S.F. Load**	42°C
				Locked-rotor Power Factor	41.4
				Rotor inertia	0.298 lb-ft²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	70	77	81	83	79
Efficiency	83.2	88.3	89.8	89.7	89.1	87.7	89.3
Speed	1790	1779	1769	1757	1744	1730	1749
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86	4.59

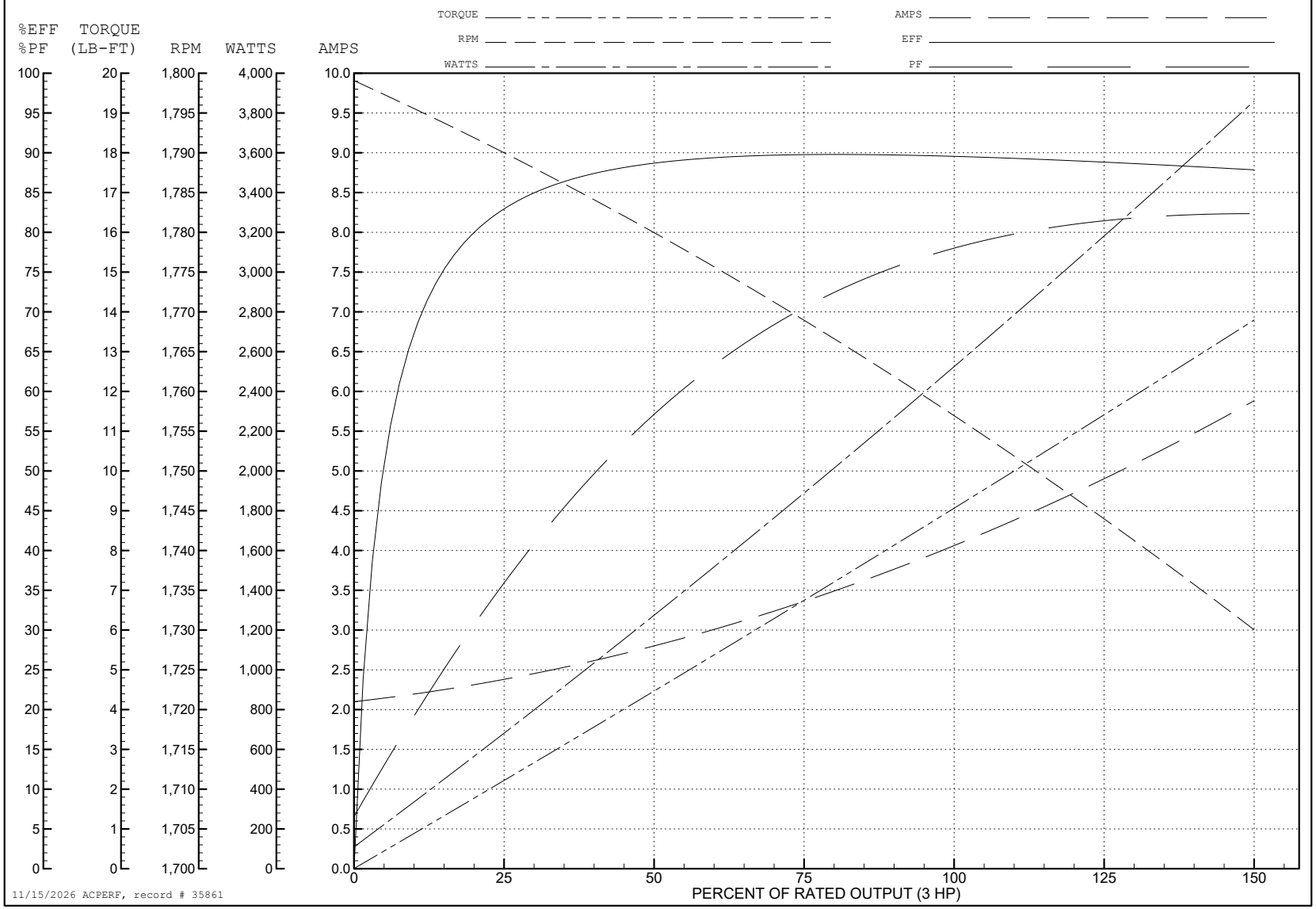
ABB Motors and Mechanical Inc.

WINDING # 06WGX181

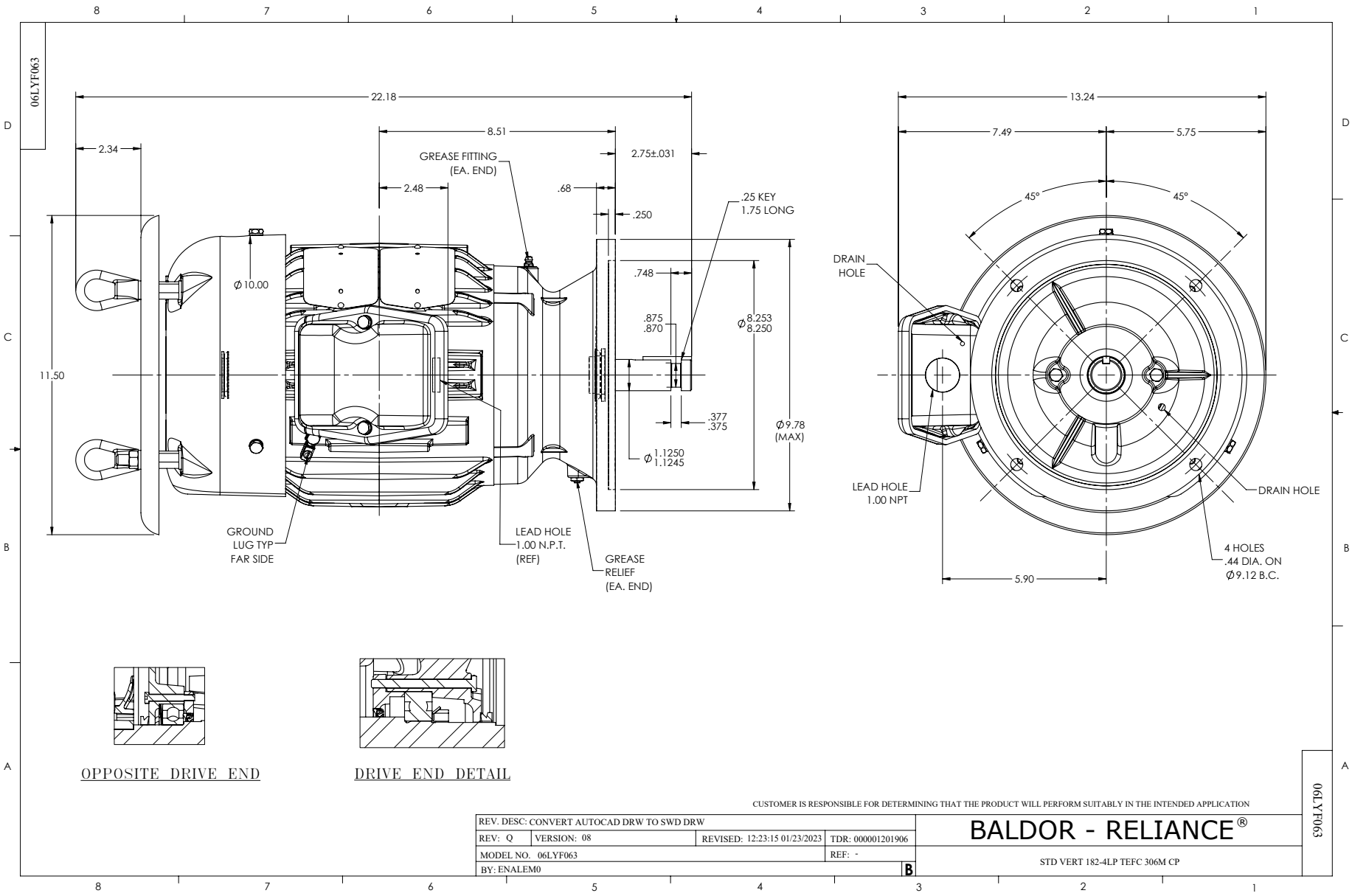
3 HP 3 PH 60 HZ 1755 RPM 460 V 0632M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=33.1 PU=18.2 LR=20.4 LRA=29.8



11/15/2026 ACPERF, record # 35861



OPPOSITE DRIVE END

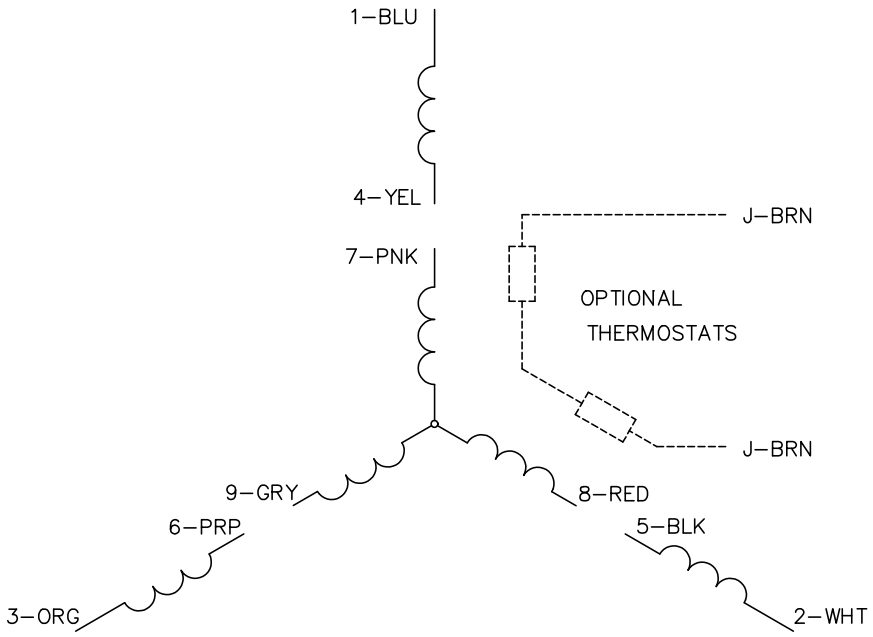
DRIVE END DETAIL

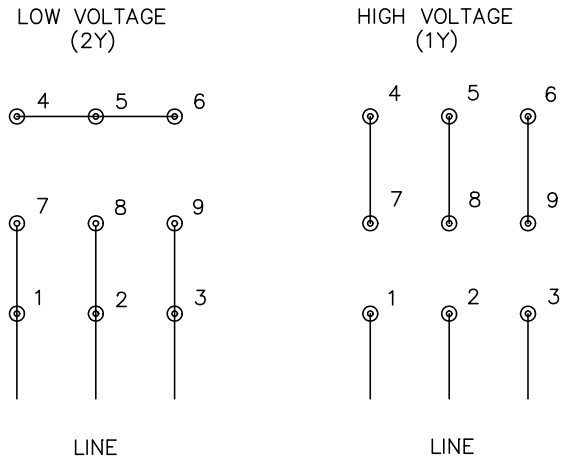
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW			BALDOR - RELIANCE®
REV: Q	VERSION: 08	REVISED: 12:23:15 01/23/2023	TDR: 000001201906
MODEL NO. 06LYF063			REF: -
BY: ENALEM0			B
			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
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS