Customer information packet

EGDM3661T

3HP, 1755RPM, 3PH, 60HZ, 182TZ, 0632M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	182TZ
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
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	No 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	B
Type	AC
Mech. spec.	06K575
Base	
Status	PRD/A
Elec. spec.	06WGX181
Layout	06LYK575
Eff. date	11-27-2024
CD Diagram	CD0005
Poles	04
Leads	9#16 72" LONG Y
Proprietary	False
Created date	05-19-2015

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.1 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
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	16.42 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
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	Shaft 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

NP3126L											
CAT.NO.	EGDM3661T										
SPEC.	06K575X181G1										
HP	3										
VOLTS	208-230/460										
AMP	8.6-8.2/4.1										
RPM	1755										
FRAME	182TZ	**HZ**	60			**PH**	3				
SER.F.	1.15	**CODE**	J	**DES**	B	**CL**	F				
NEMA-NOM-EFF	89.5	**PF**	77								
RATING	40C AMB-CONT										
CC	010A										
DE	6206	**ODE**	6205								
ENCL	TEFC	**SN**									

AC Induction Motor Performance Data
Record # 31659
Typical performance - not guaranteed values

Winding: 06WGX181-R001	**Type:** 0632M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	9.084 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			8.6-8.2/4.1	**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**	3.92 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
				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	83.6	88.9	90.1	89.9	89.1	87.8	89.4
Speed	1789.5	1779.3	1768.8	1757	1744.4	1730	1749
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86	4.59

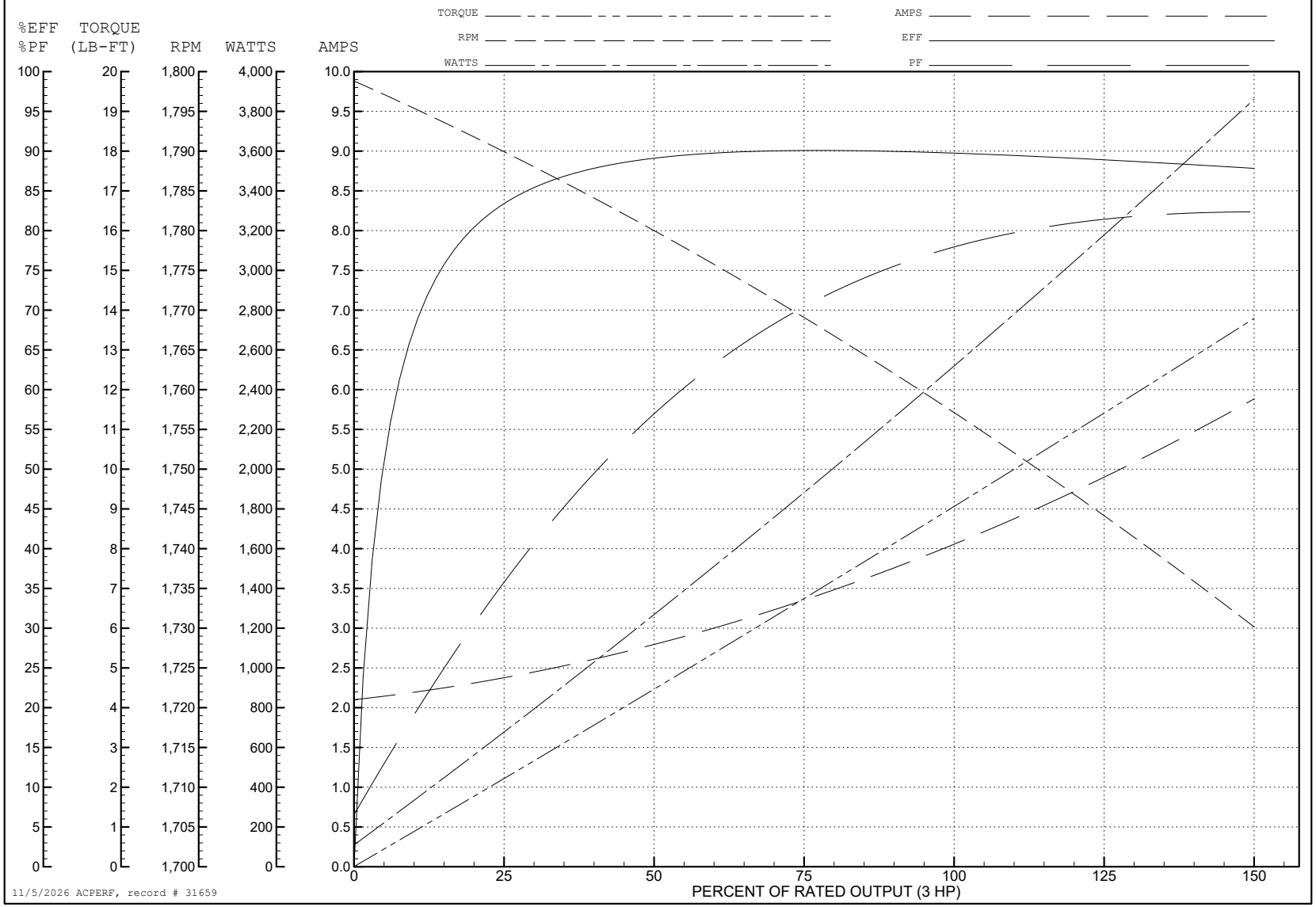
ABB Motors and Mechanical Inc.

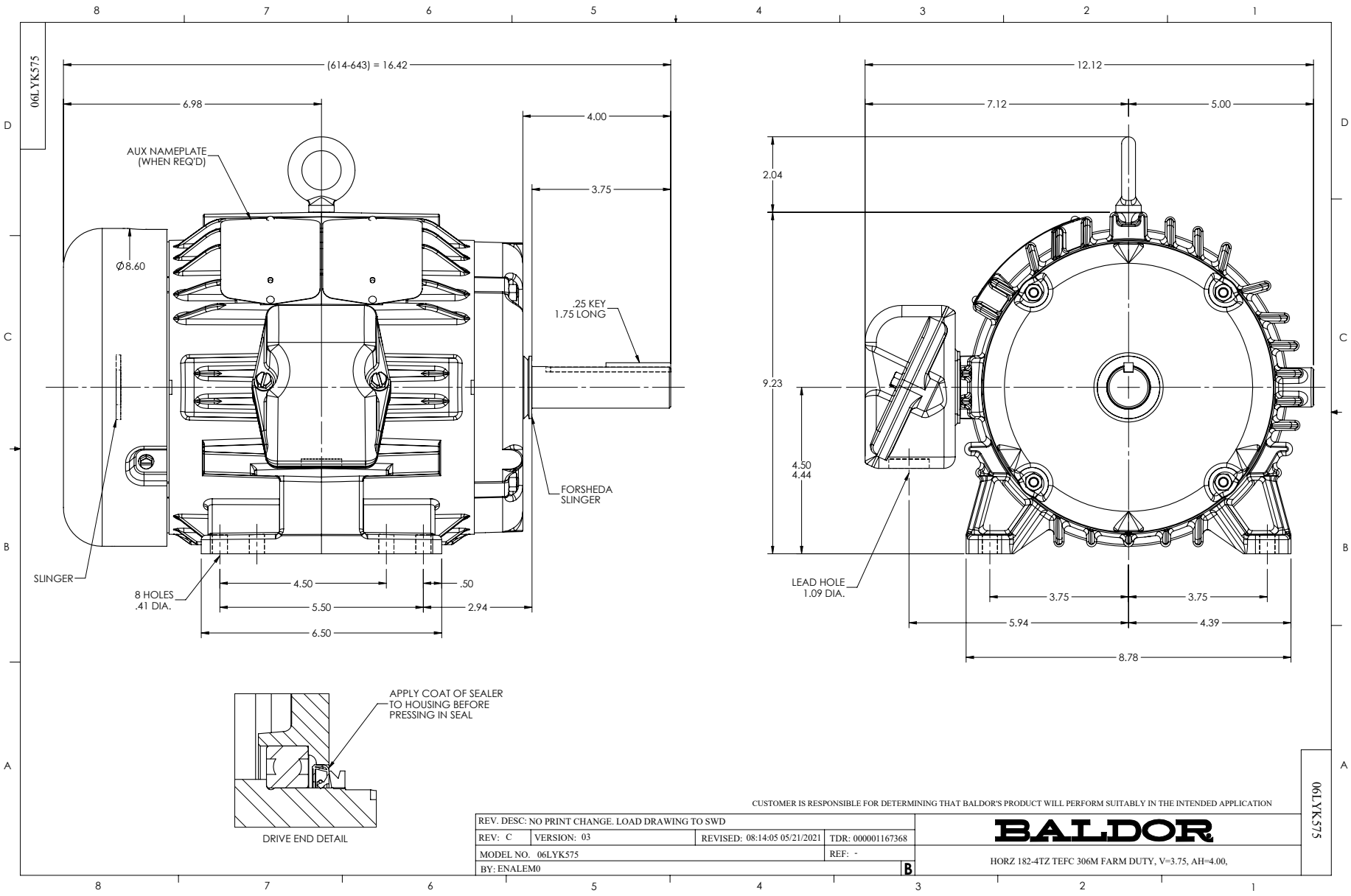
WINDING # 06WGX181

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

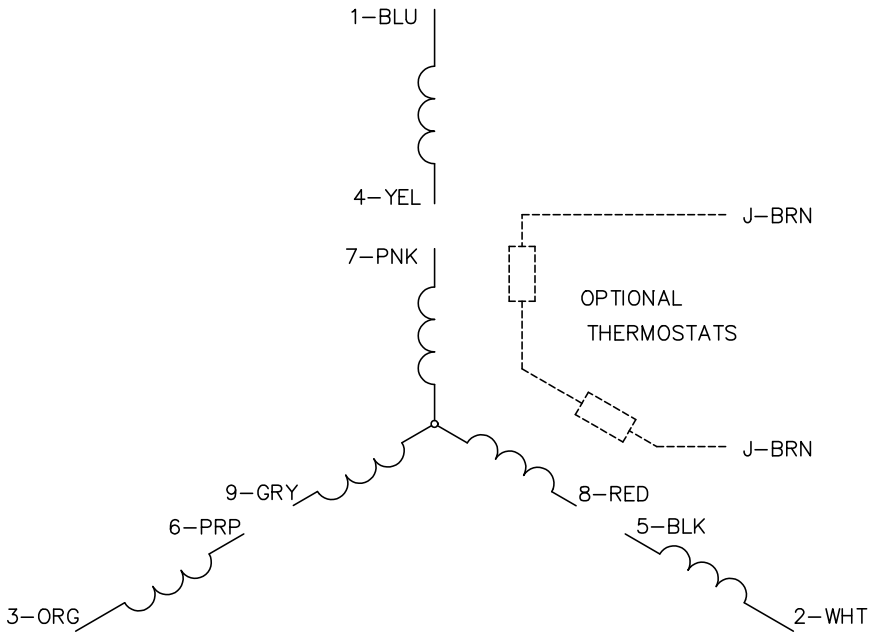
Typical performance - not guaranteed values.

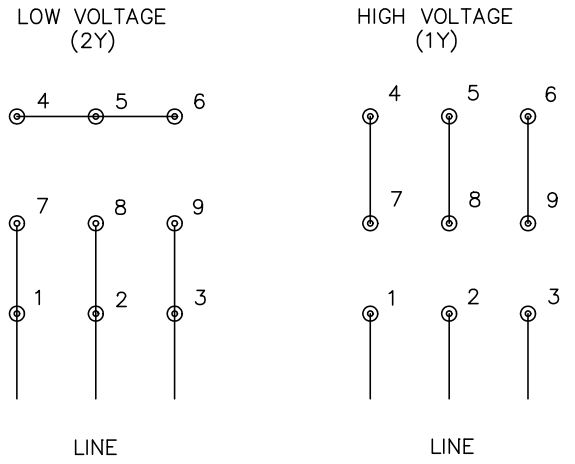
TORQUES(LB-FT): PO=33.1 PU=18.2 LR=20.4 LRA=29.8




06LYK575
(614-643) = 16.42
6.98
4.00
3.75
AUX NAMEPLATE (WHEN REQ'D)
Ø8.60
.25 KEY 1.75 LONG
FORSHEDA SLINGER
SLINGER
8 HOLES .41 DIA.
4.50
.50
5.50
2.94
6.50
12.12
7.12
5.00
2.04
9.23
4.50
4.44
LEAD HOLE 1.09 DIA.
3.75
3.75
5.94
4.39
8.78
APPLY COAT OF SEALER TO HOUSING BEFORE PRESSING IN SEAL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NO PRINT CHANGE. LOAD DRAWING TO SWD
REV: C
VERSION: 03
REVISED: 08:14:05 05/21/2021
TDR: 000001167368
MODEL NO. 06LYK575
REF: -
BY: ENALEM0
B
BALDOR
HORZ 182-4TZ TEFC 306M FARM DUTY, V=3.75, AH=4.00,
06LYK575

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