ABB BALDOR RELIANCE

Customer information packet

OF3768T

5HP, 1125RPM, 3PH, 60HZ, 215T, 0750M, TEFC, F2
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/14/2026 9:11:35 AM

Specifications

Enclosure	TEFC
Frame	215T
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	796.0 V @ 60 HZ
	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	7.600 A @ 460.0 V
	4.400 A @ 796.0 V
	15.200 A @ 230.0 V
Design Code	D
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AA
Type	AC
Mech. spec.	07J798
Base	
Status	INA/A
Elec. spec.	07WGX305
Layout	07LYJ798
Eff. date	03-08-2021
CD Diagram	CD0321
Poles	06
Leads	12#12 Y
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0750M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	19.32 IN
Power Factor	76
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1125 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2	None

Nameplate

NP2960E							
CAT.NO.							
SPEC.	07J798X305G1						
HP	5						
VOLTS	230/460/796						
AMP	15.2/7.6/4.4						
RPM	1125						
FRAME	215T	**HZ**	60		**PH**	3	
SER.F.	1.15	**CODE**	J	**DES**	D	**CL**	F
NEMA-NOM-EFF	80	**PF**	76				
RATING	40C AMB-CONT						
CC				**USABLE AT 208V**		N/A	
DE	6307	**ODE**	6206				
ENCL	TEFC	**SN**					

NP0090E	
FRONT	6206
PULLEY	6307
LUBRICATE WITH GREASE	POLYREX EM

Accessories

Part number	Description	Multiplier
37-1304	C FACE KIT	A8

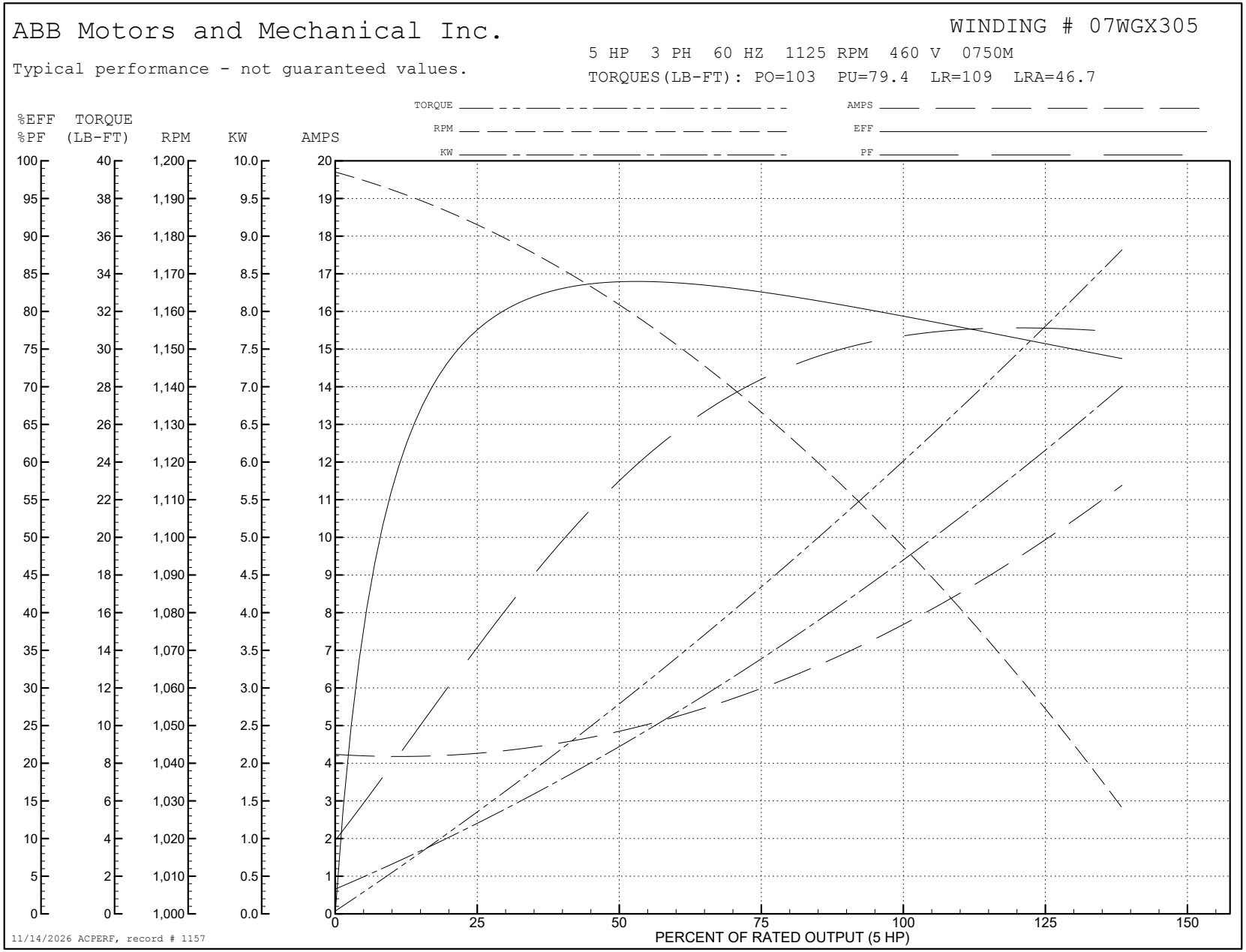
AC Induction Motor Performance Data
Record # 1157
Typical performance - not guaranteed values

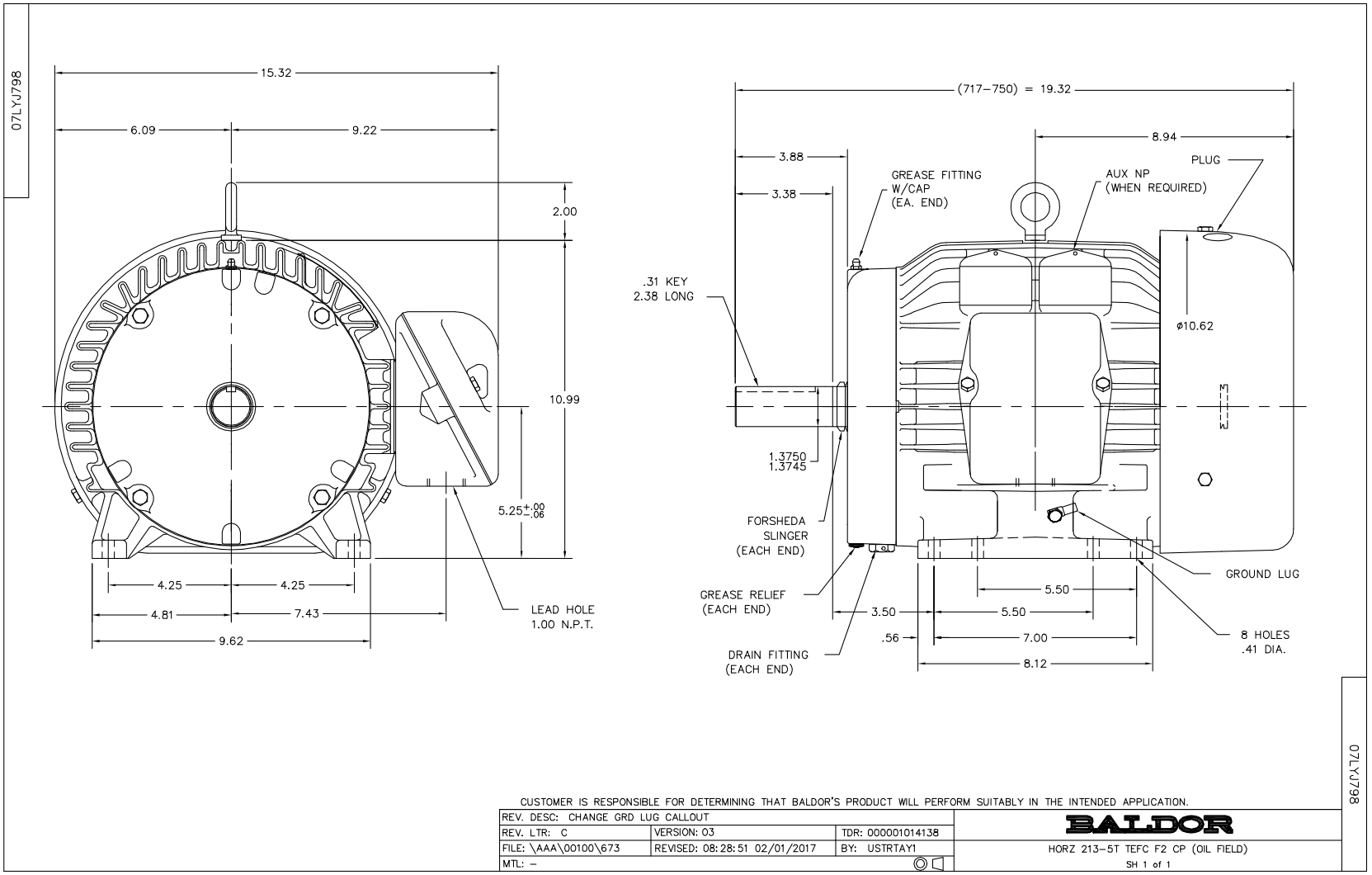
Winding: 07WGX305-R001	**Type:** 0750M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: 2nd Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	23.7 LB-FT
Volts			230/460/796	**Start Configuration**	direct on line
Full Load Amps			15.2/7.6/4.4	**Breakdown Torque**	103 LB-FT
R.P.M.			1125	**Pull-up Torque**	79.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	109 LB-FT
NEMA Design Code	D	**KVA Code**	J	**Starting Current**	46.7 A
Service Factor (S.F.)			1.15	**No-load Current**	4.2 A
NEMA Nom. Eff.	80	**Power Factor**	76	**Line-line Res. @ 25ºC**	1.6965 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	82°C
S.F. Amps				**Temp. Rise @ S.F. Load**	105°C

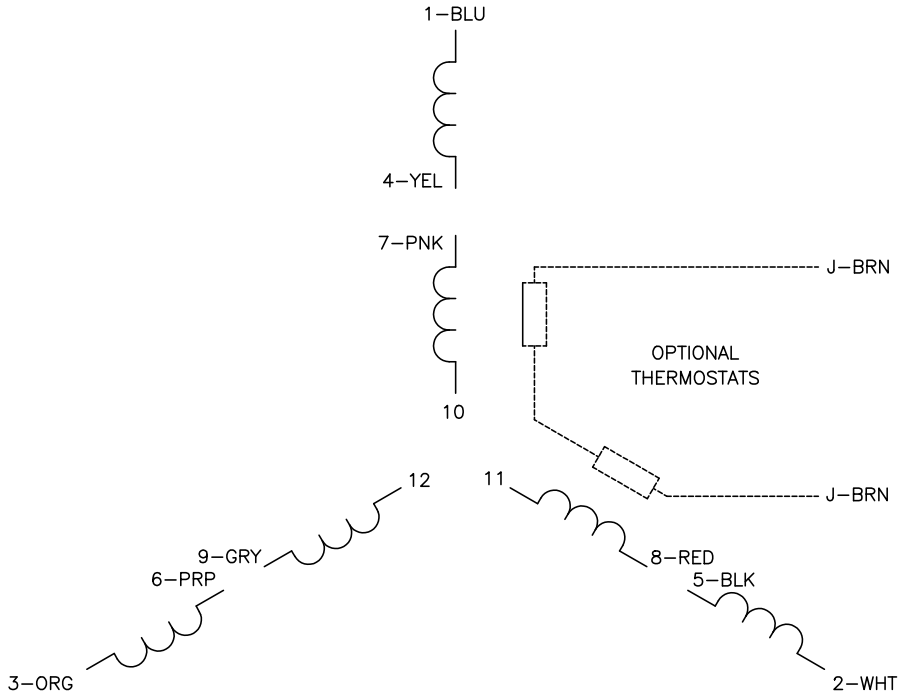
Load Characteristics 460 V, 60 Hz, 5 HP

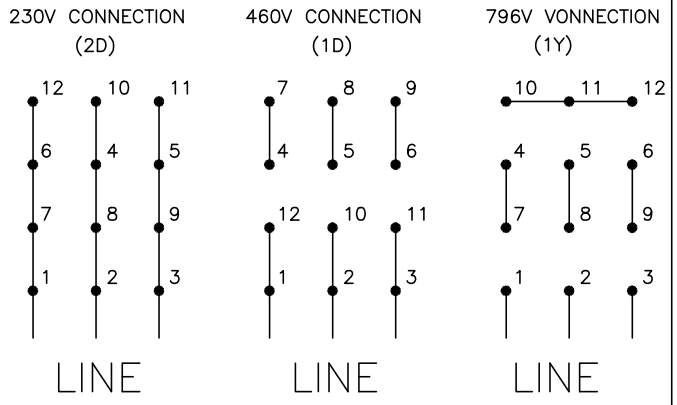
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	54	69	76	81	84	79
Efficiency	74.2	82.1	82.5	80.6	77.5	72.8	78.7
Speed	1180	1158	1129	1101	1069	1023	1082
Line amperes	4.3	4.94	6.21	7.63	9.16	11.6	8.55


ABB Motors and Mechanical Inc.
WINDING # 07WGX305
5 HP 3 PH 60 HZ 1125 RPM 460 V 0750M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=103 PU=79.4 LR=109 LRA=46.7
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/14/2026 ACPERF, record # 1157


07LYJ798
15.32
6.09
9.22
2.00
10.99
5.25 +.00 -.06
4.25
4.25
4.81
7.43
9.62
LEAD HOLE
1.00 N.P.T.
(717–750) = 19.32
8.94
3.88
3.38
GREASE FITTING
W/CAP
(EA. END)
AUX NP
(WHEN REQUIRED)
PLUG
.31 KEY
2.38 LONG
ø10.62
1.3750
1.3745
FORSHEDA
SLINGER
(EACH END)
GREASE RELIEF
(EACH END)
DRAIN FITTING
(EACH END)
GROUND LUG
5.50
3.50
5.50
.56
7.00
8.12
8 HOLES
.41 DIA.
07LYJ798
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: CHANGE GRD LUG CALLOUT
REV. LTR: C
VERSION: 03
TDR: 000001014138
FILE: \AAA\00100\673
REVISED: 08:28:51 02/01/2017
BY: USTRTAY1
MTL: –
BALDOR
HORZ 213–5T TEFC F2 CP (OIL FIELD)
SH 1 of 1

CD0321





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 MARKED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:17	TDR: 0171435
CD0321		FILE: AAA00008378	MDL: –
		MTL: –	3PH, TV, 12 LEADS, 2D/1D/1Y, OIL FIELD PUMPERS

CD0321