BALDOR • RELIANCE

Customer information packet

GNEM2276T

7.5HP//5KW, 1175//980RPM, 3PH, 60//50HZ, 254
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
	5.000 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	CE
	WEEE
	UKCA
	CURUSEEV
	IE3
	NEMA PREMIUM
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	26.000 A @ 190.0 V
	23.400 A @ 208.0 V
	22.800 A @ 230.0 V
	13.000 A @ 380.0 V

Part detail

Revision	A
Type	AC
Mech. spec.	09P11
Base	
Status	PRD/A
Elec. spec.	09WGZ495
Layout	09LYP011
Eff. date	11-14-2023
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	09-19-2023

	11.400 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	11.4 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0952M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.36 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger

Speed	1175 rpm
	980 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

NP4304L									
CAT.NO.	GNEM2276T								
SPEC.	09P011Z495G1								
HP	7.5HP//5KW				**PH**	3			
VOLTS	208-230/460//190/380								
AMPS	23.4-22.8/11.4//26/13								
R.P.M. (1/MIN)	1175//980				**WT.**	116KG	**KG**		
FRAME	254T	**HZ**	60//50		**I.P.**	54			
SER.F.	1.15	**CODE**	K	**DES.**	A	**CLASS**	F		
NOM.EFF.	91//88	**% (100%)**							
P.F.	68	IC411, 10:1 VT							
RATING	40C AMB-S1 CONT			**CC**	010A				
DE	6309	**ODE**	6208						
ENCL	TEFC	**SN**							
	SFA 26.6-25.4/12.7//29.4/14.7								
	IE3-50HZ 90.9 (75%),90.0 (50%)								
	IE3-60HZ 90.7 (75%),89.0 (50%)								

AC Induction Motor Performance Data
Record # 101023
Typical performance - not guaranteed values

Winding: 09WGZ495-R002	**Type:** 0952M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			7.5
Volts			208-230/460//190/380
Full Load Amps			23.4-22.8/11.4//26/13
R.P.M.			1175//980
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	91	**Power Factor**	68
Rating - Duty			40C AMB-CONT
S.F. Amps			26.6-25.4/12.7//29.4/14.7

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	33.6 LB-FT
Start Configuration	direct on line
Breakdown Torque	140 LB-FT
Pull-up Torque	44.7 LB-FT
Locked-rotor Torque	67.3 LB-FT
Starting Current	83.4 A
No-load Current	6.72 A
Line-line Res. @ 25ºC	0.89552 Ω
Temp. Rise @ Rated Load	35°C
Temp. Rise @ S.F. Load	41°C
Locked-rotor Power Factor	26.9
Rotor inertia	4.18 lb-ft²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	30	49	60	68	72	74	70
Efficiency	82.2	89	90.7	91.1	90.8	90.1	90.9
Speed	1193.4	1189.8	1186	1182	1177.7	1173	1179
Line amperes	7.19	8.21	9.69	11.4	13.5	15.8	12.7

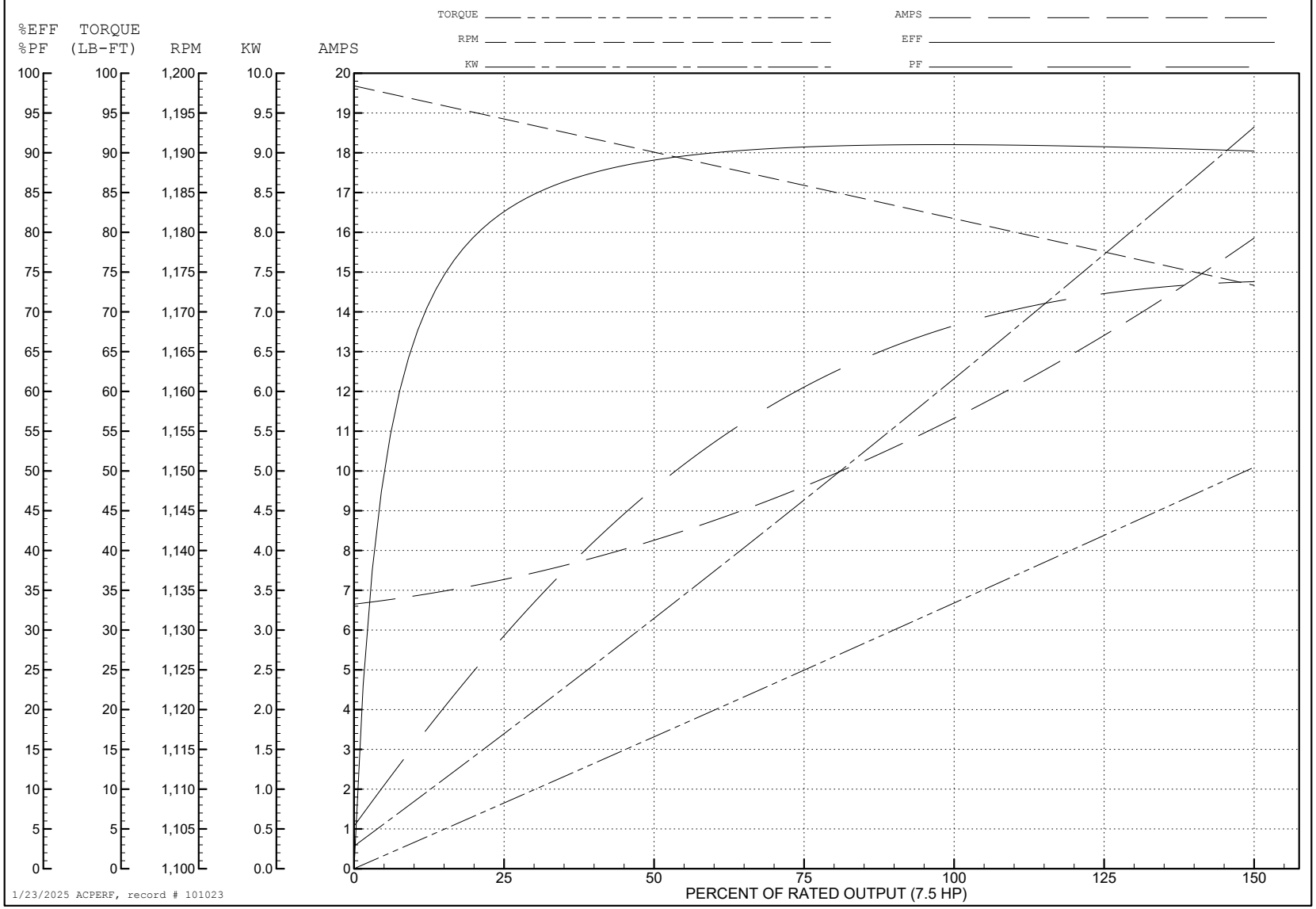
ABB Motors and Mechanical Inc.

WINDING # 09WGZ495

7.5 HP 3 PH 60 HZ 1182 RPM 460 V 0952M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=140 PU=44.7 LR=67.3 LRA=83.4



AC Induction Motor Performance Data
Record # 101024
Typical performance - not guaranteed values

Winding: 09WGZ495-R002	**Type:** 0952M	**Enclosure:** TEFC

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	40.47 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			23.4-22.8/11.4//26/13	**Breakdown Torque**	135 LB-FT
R.P.M.			1175//980	**Pull-up Torque**	47 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	70.7 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	81.7 A
Service Factor (S.F.)			1.15	**No-load Current**	6.63 A
NEMA Nom. Eff.	91	**Power Factor**	68	**Line-line Res. @ 25ºC**	0.875 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	42°C
S.F. Amps			26.6-25.4/12.7//29.4/14.7	**Temp. Rise @ S.F. Load**	51°C
				Locked-rotor Power Factor	30.1
				Rotor inertia	4.18 LB-FT2

Load Characteristics 380 V, 50 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	35	55	66	73	75	76	74
Efficiency	84.8	90	90.9	90.7	89.8	88.6	90.2
Speed	993	989	984	979	974	968	976
Line amperes	7.24	8.63	10.64	12.95	15.78	18.95	14.6

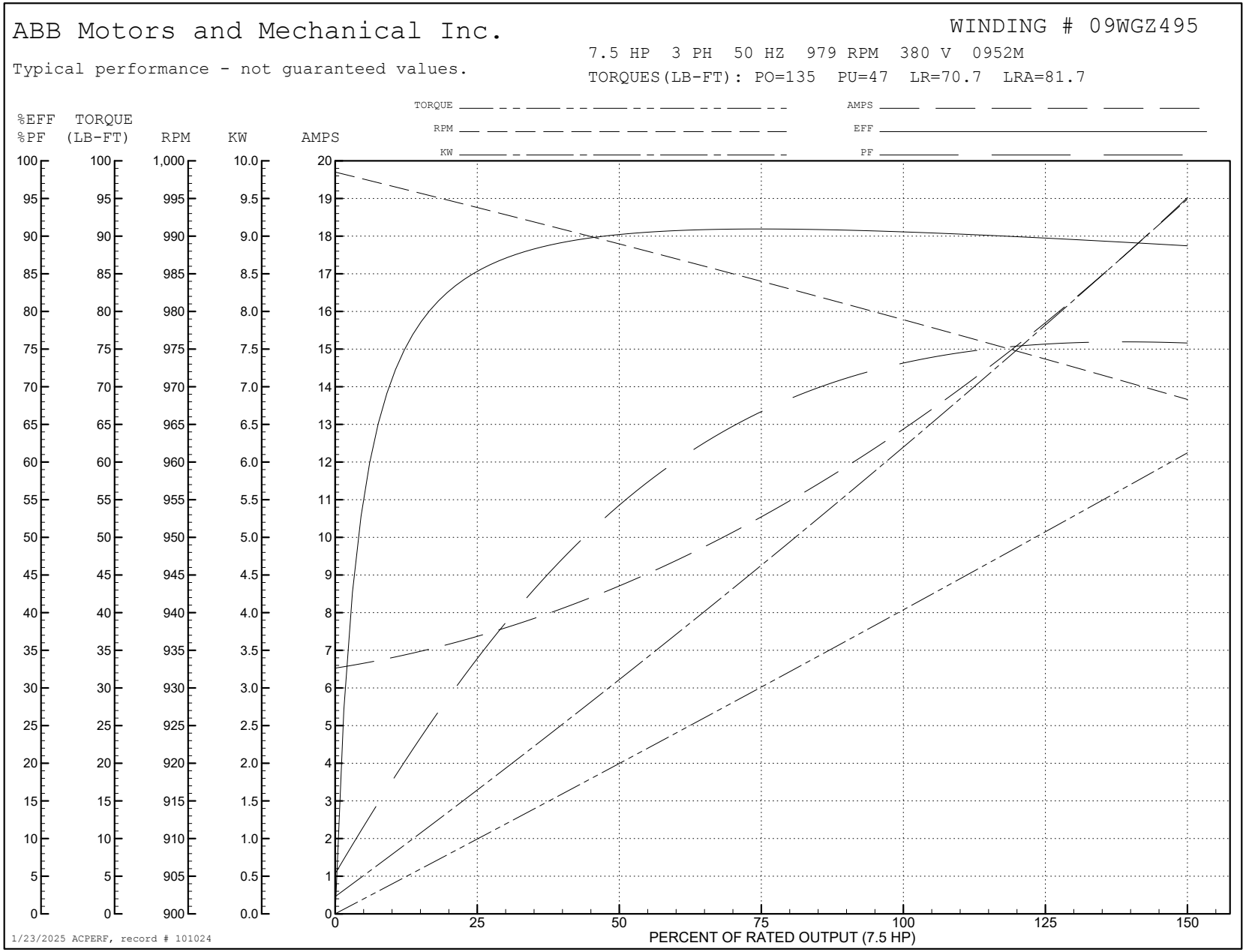
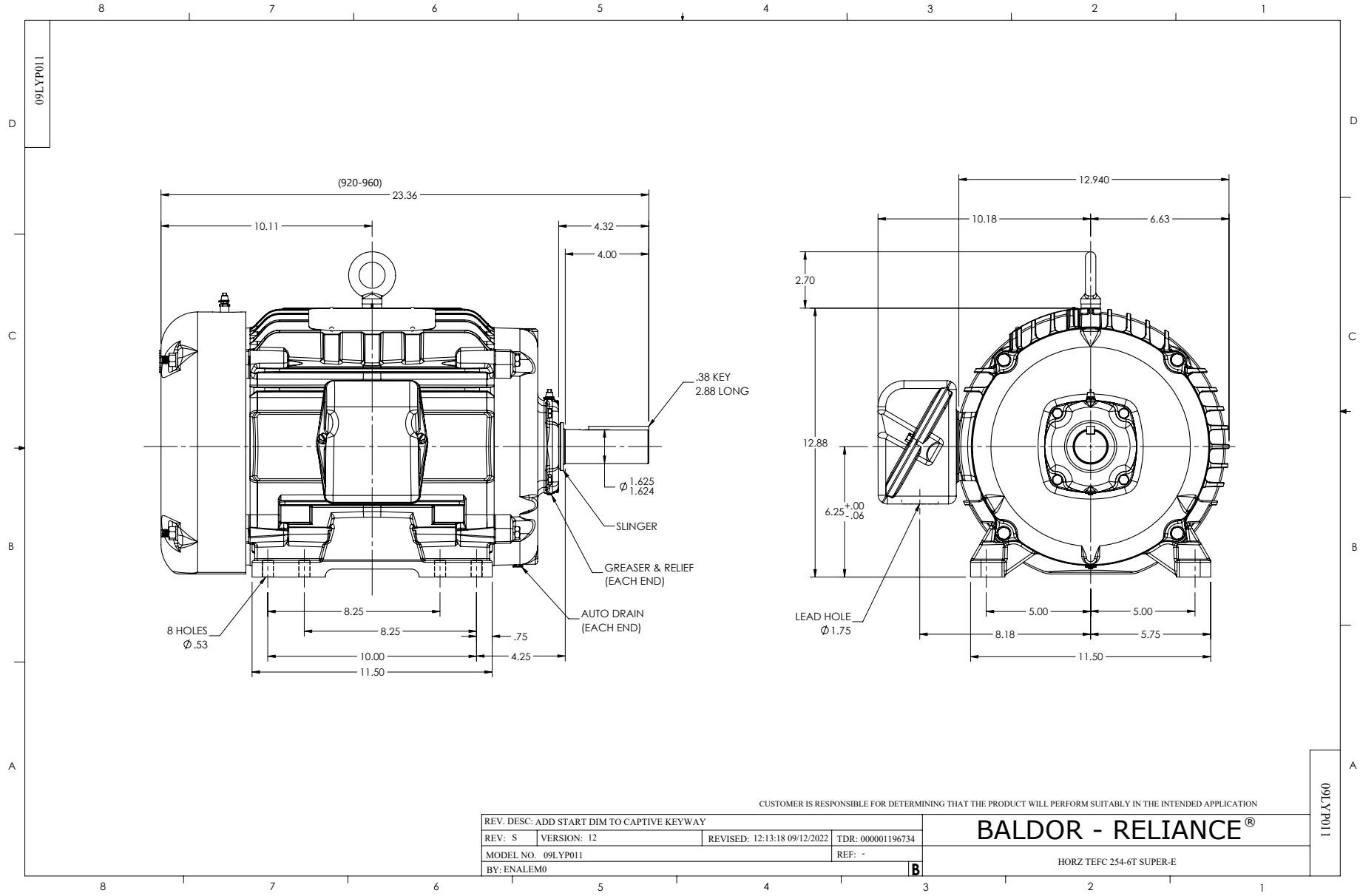
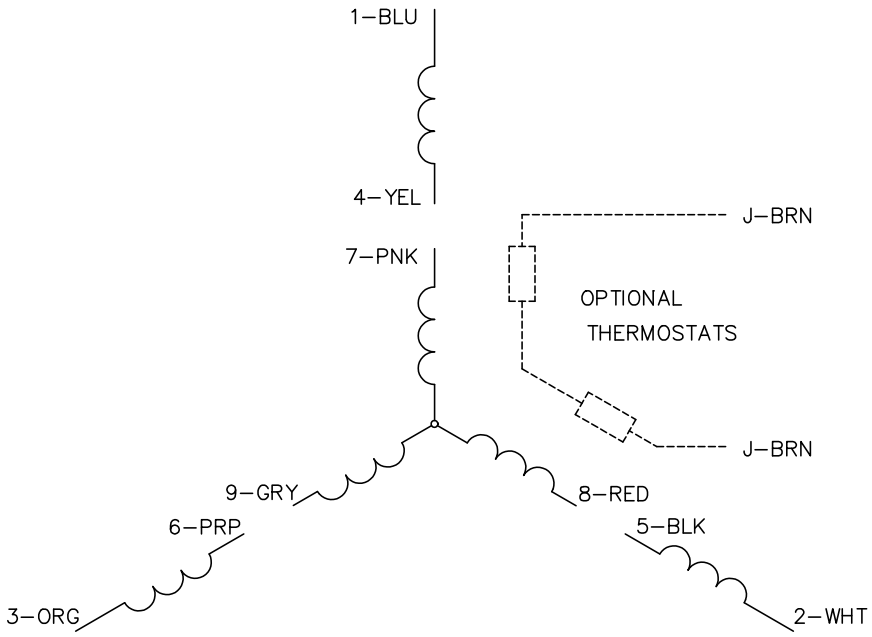
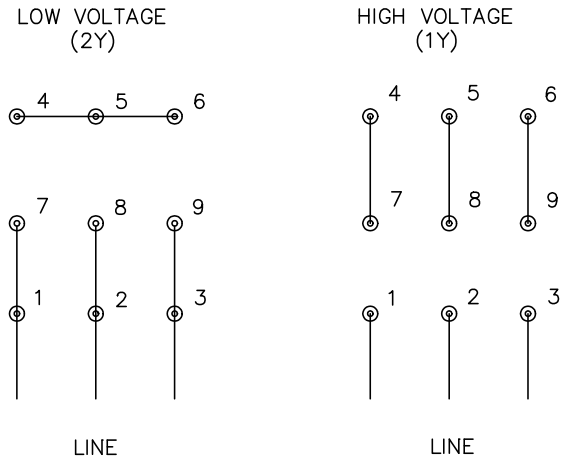


ABB Motors and Mechanical Inc.
WINDING # 09WGZ495
7.5 HP 3 PH 50 HZ 979 RPM 380 V 0952M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=135 PU=47 LR=70.7 LRA=81.7
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (7.5 HP)
1/23/2025 ACPERF, record # 101024


09LYP011
(920-960)
23.36
10.11
4.32
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
SLINGER
GREASER & RELIEF
(EACH END)
AUTO DRAIN
(EACH END)
8 HOLES
Ø .53
8.25
8.25
.75
10.00
4.25
11.50
12.940
10.18
6.63
2.70
12.88
6.25 +.00 -.06
LEAD HOLE
Ø 1.75
5.00
5.00
8.18
5.75
11.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD START DIM TO CAPTIVE KEYWAY
REV: S
VERSION: 12
REVISED: 12:13:18 09/12/2022
TDR: 000001196734
MODEL NO. 09LYP011
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ TEFC 254-6T SUPER-E
09LYP011

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