ABB BALDOR RELIANCE

Customer information packet

GNEM2333T-G

15HP//11KW, 1770//1465 1/MINRPM, 3PH, 60//
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	15.000 HP @ 50 HZ
	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
	460.0 V @ 60 HZ
	190.0 V @ 50 HZ
Agency Approvals	WEEE
	UR
	IE3
	CSA
	CE
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	44.000 A @ 190.0 V
	38.000 A @ 208.0 V
	36.800 A @ 230.0 V
	22.000 A @ 380.0 V

Part Detail

Revision	G
Type	AC
Mech. spec.	09J359
Base	
Status	PRD/A
Elec. spec.	09WGT342
Layout	09LYJ359
Eff. date	03-12-2026
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	04-12-2023

	18.400 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	18.4 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	J
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	0948M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.36 IN
Power Factor	85
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	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger

Speed	1465 rpm
	1770 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.	GNEM2333T-G									
SPEC.	09J359T342G1									
HP	15HP//11KW				**PH**	3				
VOLTS	208-230/460//190/380									
AMPS	38-36.8/18.4//44/22									
R.P.M. (1/MIN)	1770//1465				**WT.**	130KG	**KG**			
FRAME	254T	**HZ**	60//50		**I.P.**	44				
SER.F.	1.15	**CODE**	J	**DES.**	A	**CLASS**	H			
NOM.EFF.	92.4	**% (100%)**								
P.F.	85	IC411, 10:1 VT								
RATING	40C AMB-CONT			**CC**	010A					
DE	6309	**ODE**	6208							
ENCL	TEFC	**SN**								
	SFA 44-42/21//50/25									
	IE3-50HZ 93.3(75%),93.2(50%)									
	IE3-60HZ 93.4(75%),92.6(50%)									

AC Induction Motor Performance Data
Record # 99278
Typical performance - not guaranteed values

Winding: 09WGT342-R010	**Type:** 0948M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			15
Volts			208-230/460//190/380
Full Load Amps			38-36.8/18.4//44/22
R.P.M.			1770//1465
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	J
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	92.4	**Power Factor**	85
Rating - Duty			40C AMB-CONT
S.F. Amps			44-42/21//50/25

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	44.48 LB-FT
Start Configuration	direct on line
Breakdown Torque	173 LB-FT
Pull-up Torque	87.8 LB-FT
Locked-rotor Torque	101 LB-FT
Starting Current	147 A
No-load Current	8.39 A
Line-line Res. @ 25ºC	0.5252 Ω
Temp. Rise @ Rated Load	45°C
Temp. Rise @ S.F. Load	54°C
Locked-rotor Power Factor	37.1
Rotor inertia	2.1 lb-ft²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	43	65	76	82	85	86	84
Efficiency	88.4	92.6	93.4	93.4	92.9	92.2	93.1
Speed	1794	1787.2	1781.1	1773.7	1767.1	1760.1	1770
Line amperes	9.39	11.7	14.8	18.4	22.3	26.4	20.7

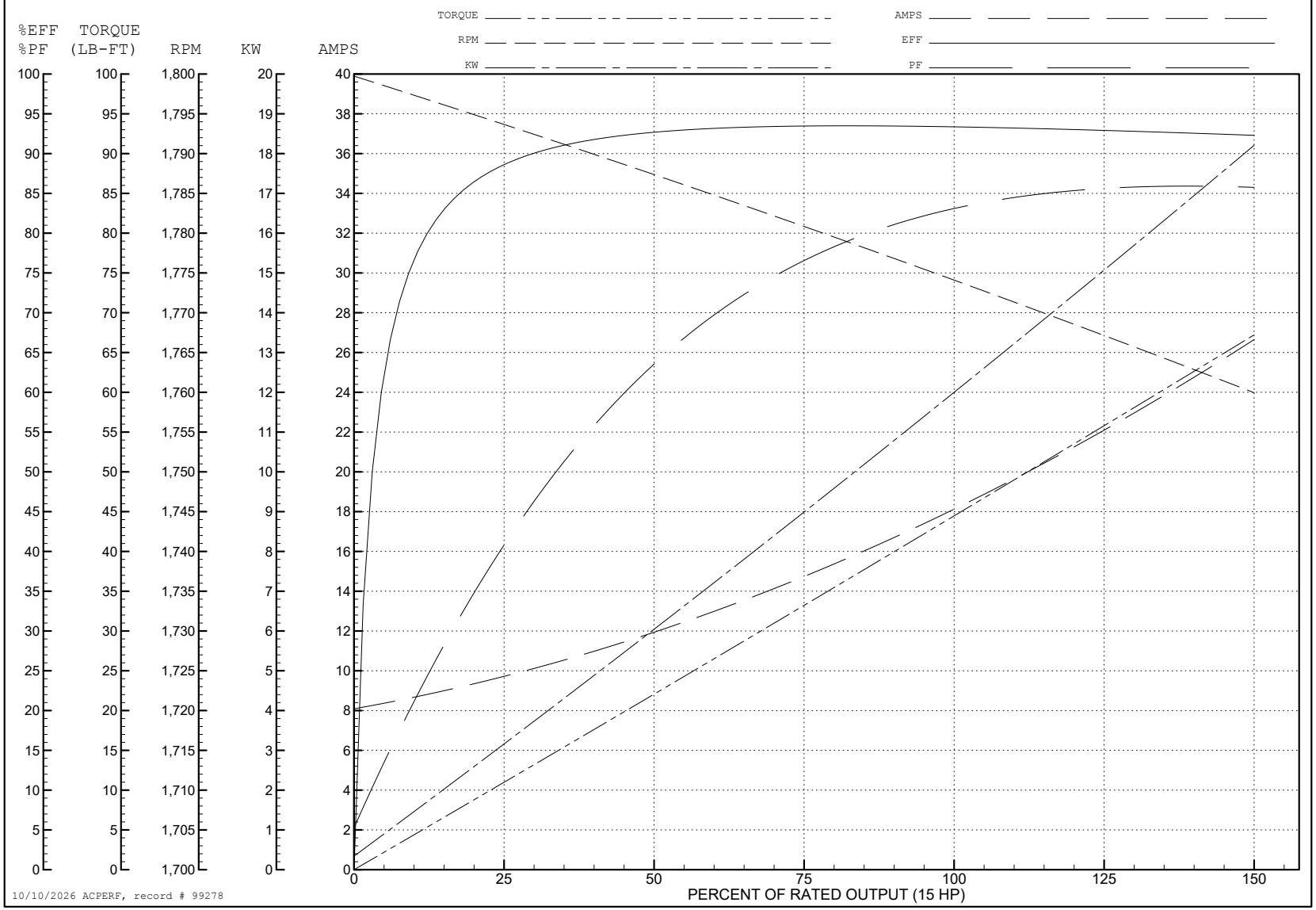
ABB Motors and Mechanical Inc.

WINDING # 09WGT342

15 HP 3 PH 60 HZ 1773.7 RPM 460 V 0948M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=173 PU=87.8 LR=101 LRA=147



10/10/2026 ACPERF, record # 99278

AC Induction Motor Performance Data
Record # 99279
Typical performance - not guaranteed values

Winding: 09WGT342-R010	**Type:** 0948M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			15
Volts			208-230/460//190/380
Full Load Amps			38-36.8/18.4//44/22
R.P.M.			1770//1465
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	J
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	92.4	**Power Factor**	85
Rating - Duty			40C AMB-CONT
S.F. Amps			44-42/21//50/25

380 V, 50 Hz: High Voltage Connection	
Full Load Torque	53.54 LB-FT
Start Configuration	direct on line
Breakdown Torque	169 LB-FT
Pull-up Torque	88.9 LB-FT
Locked-rotor Torque	103 LB-FT
Starting Current	144 A
No-load Current	8.36 A
Line-line Res. @ 25ºC	0.487 Ω
Temp. Rise @ Rated Load	58°C
Temp. Rise @ S.F. Load	73°C
Locked-rotor Power Factor	37.1
Rotor inertia	2.1 lb-ft²

Load Characteristics 380 V, 50 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	48	71	81	85	87	87	84
Efficiency	90.4	93.2	93.3	92.6	91.5	90.2	93.1
Speed	1492	1484	1476	1467	1459	1448	1770
Line amperes	9.66	12.76	16.87	21.62	26.63	32.27	20.7

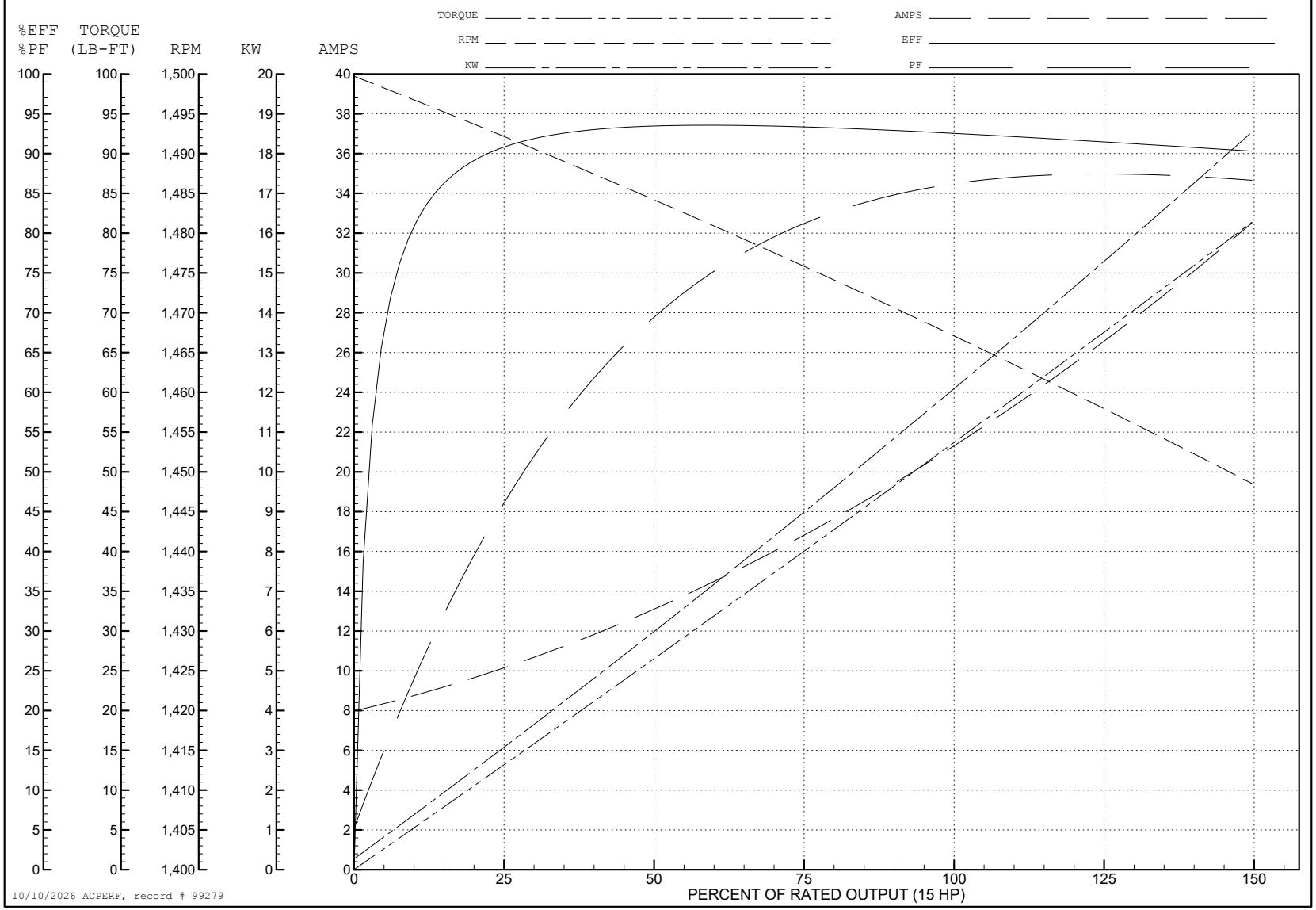
ABB Motors and Mechanical Inc.

WINDING # 09WGT342

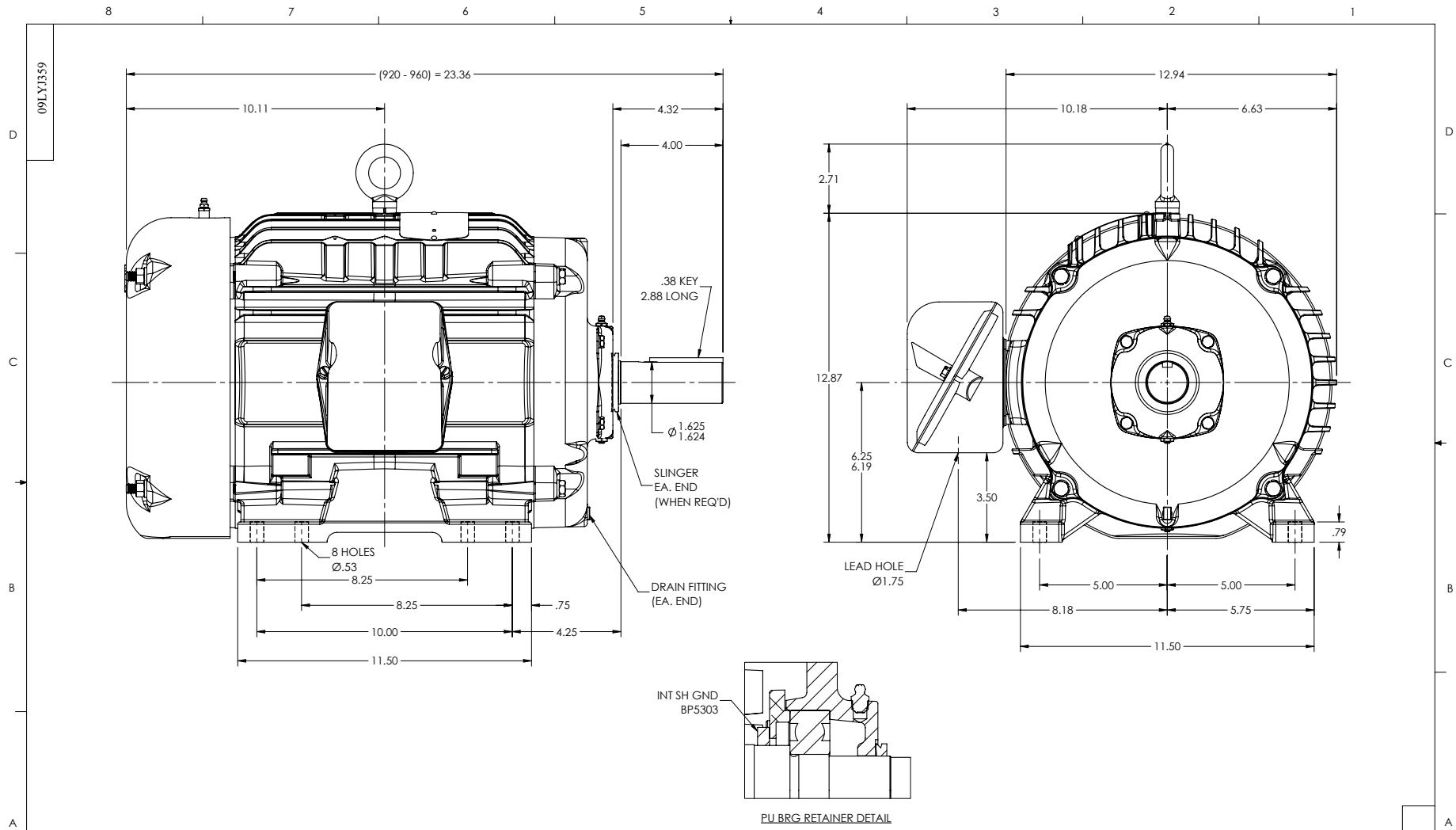
15 HP 3 PH 50 HZ 1467 RPM 380 V 0948M

Typical performance - not guaranteed values.

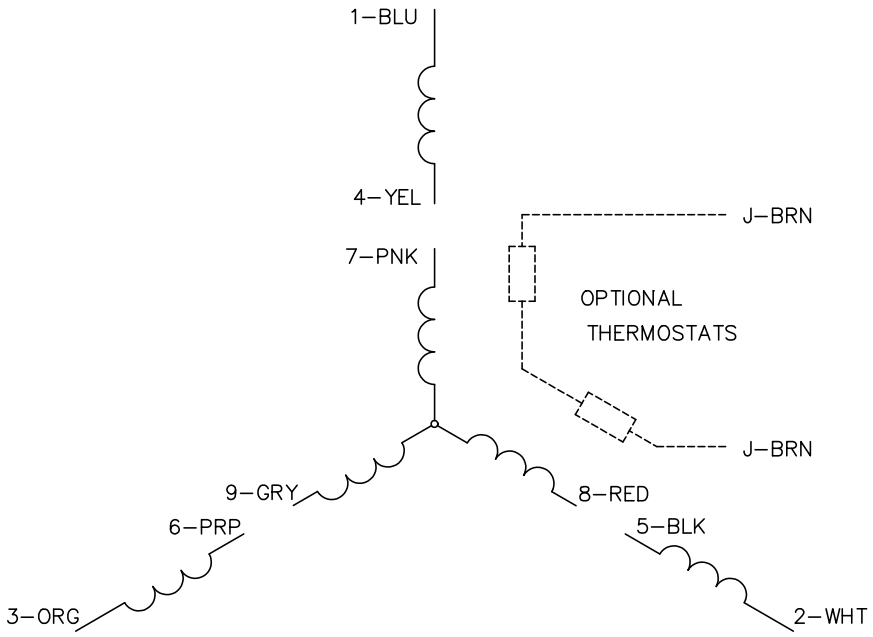
TORQUES(LB-FT): PO=169 PU=88.9 LR=103 LRA=144

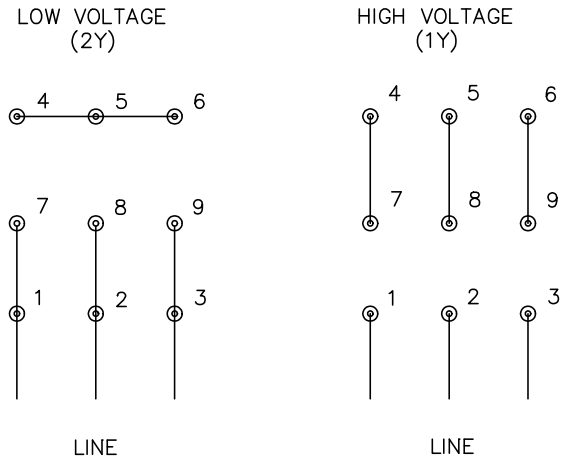


10/10/2026 ACPERF, record # 99279


09LYJ359
(920 - 960) = 23.36
10.11
4.32
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
SLINGER
EA. END
(WHEN REQ'D)
8 HOLES
Ø.53
8.25
8.25
.75
10.00
4.25
11.50
DRAIN FITTING
(EA. END)
12.94
10.18
6.63
2.71
12.87
6.25
6.19
3.50
.79
LEAD HOLE
Ø1.75
5.00
5.00
8.18
5.75
11.50
INT SH GND
BP5303
PU BRG RETAINER DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REVISED TO UPDATE SLINGER LEADER
REV: K
VERSION: 10
REVISED: 10:12:59 09/19/2022
TDR: 000001197243
MODEL NO. 09LYJ359
REF: -
BY: USSADEL11
B
BALDOR - RELIANCE®
HORZ TEFC 254-6T W/INT SH GND
09LYJ359

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