ABB BALDOR RELIANCE

Customer information packet

ECTM2333T-5G

15HP, 1765RPM, 3PH, 60HZ, 254T, 0944M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	254T
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	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM 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	14.600 A @ 575.0 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	Tapped & Key
Heater Indicator	Heater Included, 115 V
High Voltage Full Load Amps	14.6 a
Insulation Class	F

Part Detail

Revision	H
Type	AC
Mech. spec.	09N188
Base	
Status	PRD/A
Elec. spec.	09WGT124
Layout	09LYN188
Eff. date	09-11-2025
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	04-13-2022

Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.55 IN
Power Factor	83
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
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	1765 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

NP1260									
CAT.NO.	ECTM2333T-5G								
SPEC.	09N188T124G1								
HP	15								
VOLTS	575								
AMP	14.6								
RPM	1765								
FRAME	254T	**HZ**	60		**PH**	3			
SER.F.	1.15	**CODE**	H	**DES**	A		**CL**	F	
NEMA-NOM-EFF	92.4	**PF**	83						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6208						
ENCL	TEFC	**SN**							
	INV DUTY 20:1 VT								

AC Induction Motor Performance Data
Record # 47378
Typical performance - not guaranteed values

Winding: 09WGT124-R001	**Type:** 0944M	**Enclosure:** TEFC

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			15	**Full Load Torque**	44.5 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			14.6	**Breakdown Torque**	153 LB-FT
R.P.M.			1765	**Pull-up Torque**	69.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	86.5 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	102 A
Service Factor (S.F.)			1.15	**No-load Current**	6.05 A
NEMA Nom. Eff.	92.4	**Power Factor**	83	**Line-line Res. @ 25ºC**	0.874 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	54°C
S.F. Amps				**Temp. Rise @ S.F. Load**	66°C
				Locked-rotor Power Factor	33.1
				Rotor inertia	1.92 lb-ft²

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	69	78	83	85	87	86
Efficiency	88.1	92.3	92.6	92.4	91.5	90.5	92.2
Speed	1791	1783	1774	1765	1755	1743	1769
Line amperes	6.9	8.8	11.6	14.6	18.1	21.5	16.3

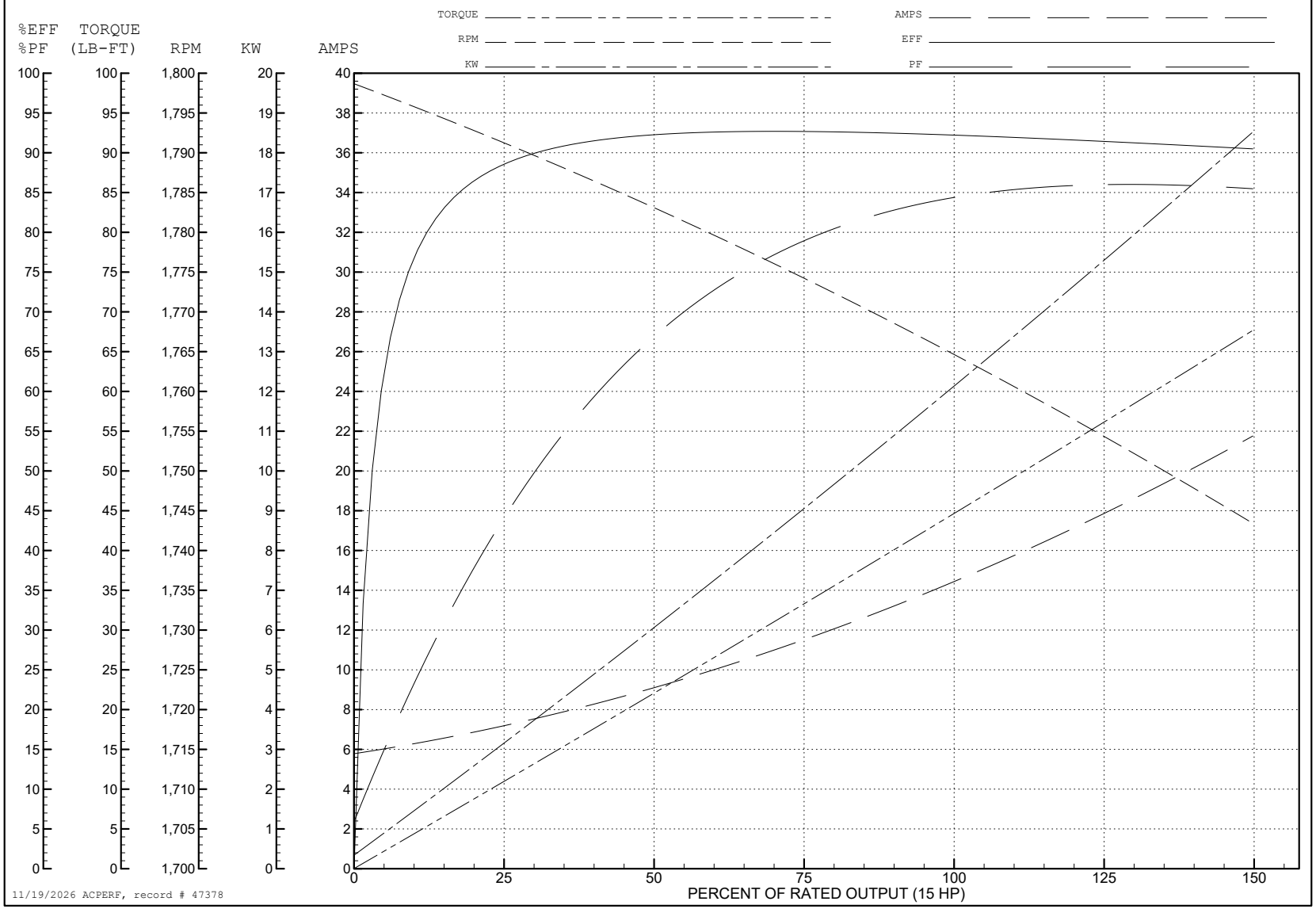
ABB Motors and Mechanical Inc.

WINDING # 09WGT124

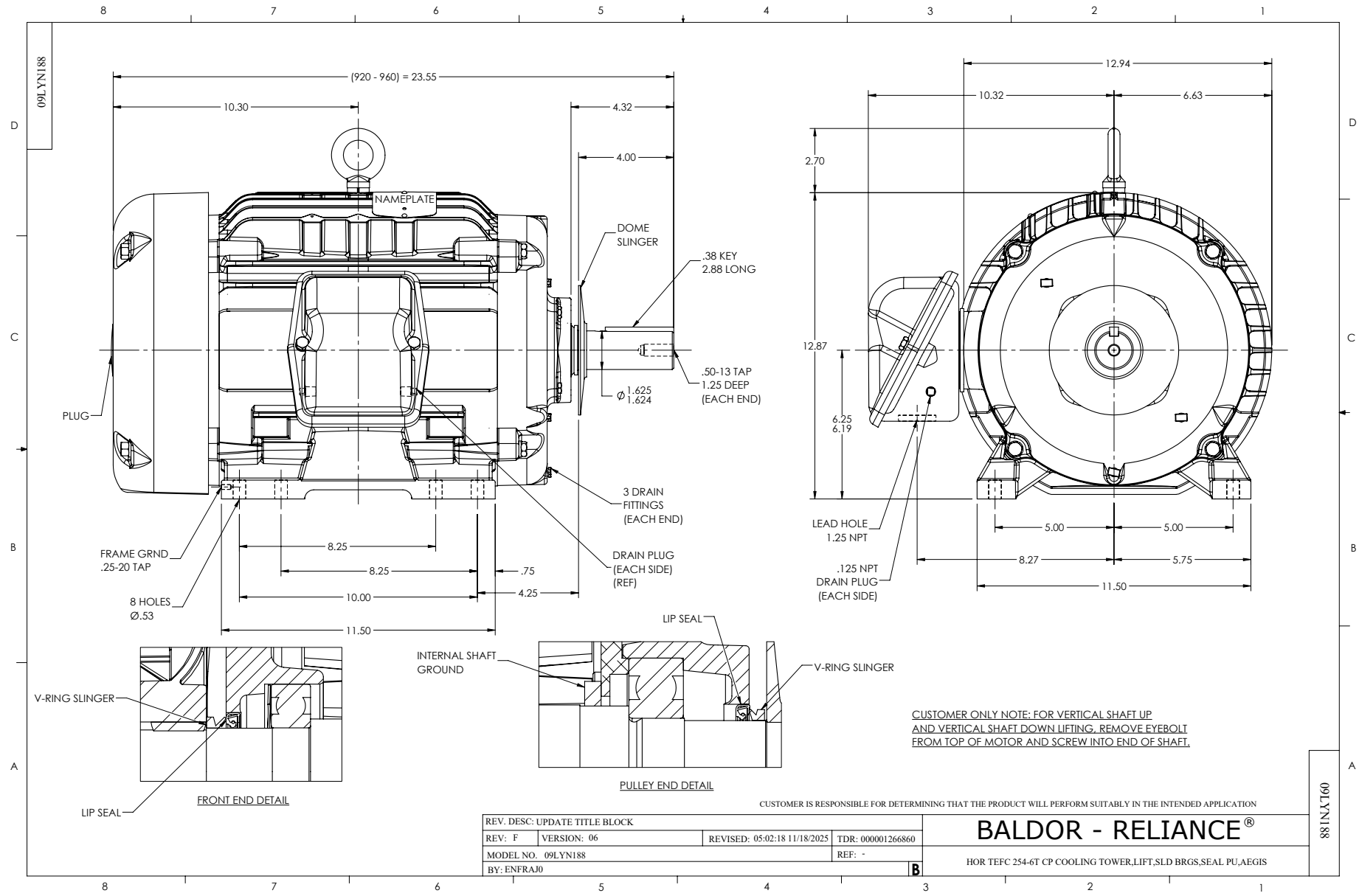
15 HP 3 PH 60 HZ 1765 RPM 575 V 0944M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=153 PU=69.5 LR=86.5 LRA=102

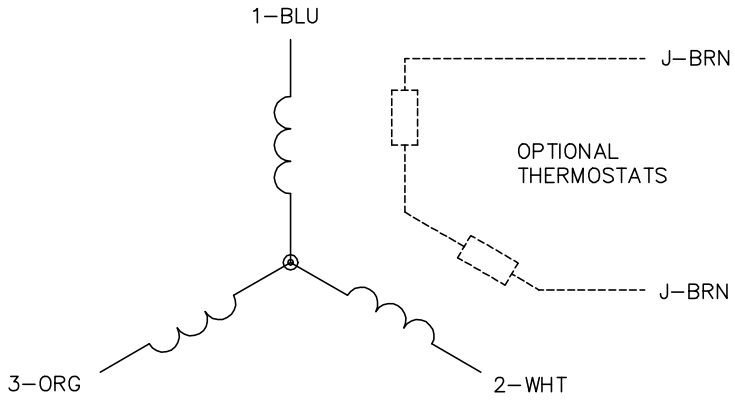


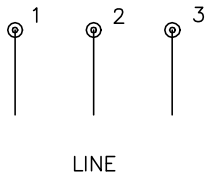
11/19/2026 ACPERF, record # 47378


09LYN188
(920 - 960) = 23.55
10.30
4.32
4.00
NAMEPLATE
DOME SLINGER
.38 KEY
2.88 LONG
PLUG
.50-13 TAP
1.25 DEEP
(EACH END)
Ø 1.625
1.624
3 DRAIN
FITTINGS
(EACH END)
FRAME GRND
.25-20 TAP
8.25
8.25
.75
DRAIN PLUG
(EACH SIDE)
(REF)
8 HOLES
Ø.53
10.00
4.25
11.50
12.94
10.32
6.63
2.70
12.87
6.25
6.19
LEAD HOLE
1.25 NPT
5.00
5.00
8.27
5.75
.125 NPT
DRAIN PLUG
(EACH SIDE)
11.50
LIP SEAL
INTERNAL SHAFT
GROUND
V-RING SLINGER
V-RING SLINGER
LIP SEAL
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER ONLY NOTE: FOR VERTICAL SHAFT UP
AND VERTICAL SHAFT DOWN LIFTING, REMOVE EYEBOLT
FROM TOP OF MOTOR AND SCREW INTO END OF SHAFT.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE TITLE BLOCK
REV: F
VERSION: 06
REVISED: 05:02:18 11/18/2025
TDR: 000001266860
MODEL NO. 09LYN188
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HOR TEFC 254-6T CP COOLING TOWER,LIFT,SLD BRGS,SEAL PU,AEGIS
881NAY160

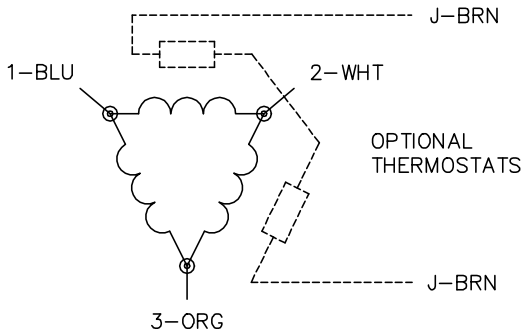
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007			BALDOR - RELIANCE®
REV. LTR: E	VERSION: 01	TDR: 000001099922	
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED
MTL: –			SH 1 of 1