

BALDOR® • RELIANCE 

Product Information Packet

ECR9154T

15HP,1765RPM,3PH,60HZ,254T,0948M,TEFC,F1

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGT152	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	09L575	Layout:	09LYL575	Poles:	04	Created Date:	01-14-2015
Base:	RG	Eff. Date:	07-28-2021	Leads:	9#12		Y

Specs			
Catalog Number:	ECR9154T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	254T	Inverter Code:	Inverter Duty
Frame Material:	Iron	KVA Code:	H
Output @ Frequency:	15.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 12 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	0948M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	82
	UR	Product Family:	Super-E Chemical Processing
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Constant Torque Speed Range:	6	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	40.000 A @ 208.0 V	Shaft Rotation:	Reversible
	37.200 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	18.600 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	A	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3293													
CAT.NO.	ECR9154T			P/N				ENCLOSURE	TEFC				
SPEC.	09L575T152G1		CC	010A	FRAME	254T		S/N					
HP	15		CLASS	F	HZ	60		DES	A				
RPM	1765		RPM MAX	2700		PH	3		KVA-CODE	H			
VOLT	230/460			I.P.	55								
AMP	37.2/18.6			SER.F.	1.25		PF	82		ODE BRG	6309	DE BRG	6311
RATING	40C AMB-CONT			NEMA-NOM-EFF	92.4		GREASE	POLYREX EM					
HTR-VOLTS			HTR-AMPS			HTR-WATTS			INV.TYPE				
	SFA 46/23			C HP FR	60		C HP TO	90					
				CT HZ FROM	6		CT HZ TO	60					
				MOTOR WEIGHT	325		VT HZ FROM	6				VT HZ TO	60

Parts List		
Part Number	Description	Quantity
SA293428	SA 09L575T152G1	1.000 EA
RA279525	RA 09L575T152G1	1.000 EA
09FN3001D01SP	EXTERNAL FAN, PLASTIC (COMES W/SCREW FRO	1.000 EA
09CB1002A12P	KOBX W/1.25 NPT LEAD HOLE & 2.38 MTG HOL	1.000 EA
09GS1010	GASKET, DWG, LEADWIRE SEPERATOR	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 EA
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 EA
HA3400A39	STUD- 3/8-16 X 6.44 OAL HEX	4.000 EA
HA4017A08	.125X3.50 GREASER EXTEN.	1.000 EA
HA4017A02	.125X2.50 GREASER EXTENS.F/S	1.000 EA
HW4019A01	PIPE COUPLING 1/8 NPT,STEEL,ZINC COATING	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
12CB1503P	CONDUIT BOX LID, CAST W/EPOXY PRIMER	1.000 EA
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 EA
10XN3118K18	5/16-18X1-1/8 HEX HD GR5	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	2.000 EA
09EP1116A01P	PU ENDPLATE, MACH	1.000 EA
10XN3816K24	3/8-16 X 1.50 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X .28 VITON	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
09FH1000P	FAN COVER, CAST W/EPOXY PRIMER	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 QT
MJ5001A14	DYNAPRO SEALANT, CP MTR VC#2508050 (603	0.023 EA
MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.025 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
09EP1118A05LP5	FREP MACH, 309 BRG. EPOXY PRIMER	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.080 LB
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
MG1025G96	WILKOFASG SG, 779.7048, MOUSE GRAY #7048	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA

Product Information Packet: ECR9154T - 15HP,1765RPM,3PH,60HZ,254T,0948M,TEFC,F1

NP3293	SS CRUSHER DUTY INV UL CSA-EEV PREM CC	1.000 EA
40PA1005	PACKAGING GROUP, 09 STD	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
LD7020D09	LEAD SET, 12AWG, 9 LEAD, 20" LONG LEADS	1.000 EA

AC Induction Motor Performance Data

Record # 48597

Typical performance - not guaranteed values

Winding: 09WGT152-R001		Type: 0948M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	15	Full Load Torque	44.7 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	37.2/18.6	Breakdown Torque	145 LB-FT		
R.P.M.	1765	Pull-up Torque	78.4 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	119 LB-FT	
NEMA Design Code	A KVA Code	H	Starting Current	120 A	
Service Factor (S.F.)	1.25	No-load Current	7.67 A		
NEMA Nom. Eff.	92.4 Power Factor	82	Line-line Res. @ 25°C	0.548 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	53°C		
S.F. Amps	46/23	Temp. Rise @ S.F. Load	65°C		
		Locked-rotor Power Factor	39.5		
		Rotor inertia	2.09 lb-ft ²		

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	77	82	84	84	83
Efficiency	89	92.5	93	92.6	91.7	90.5	92.1
Speed	1793	1786	1777	1768	1758	1747	1762
Line amperes	8.81	11.3	14.7	18.6	23	27.7	21.2

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values

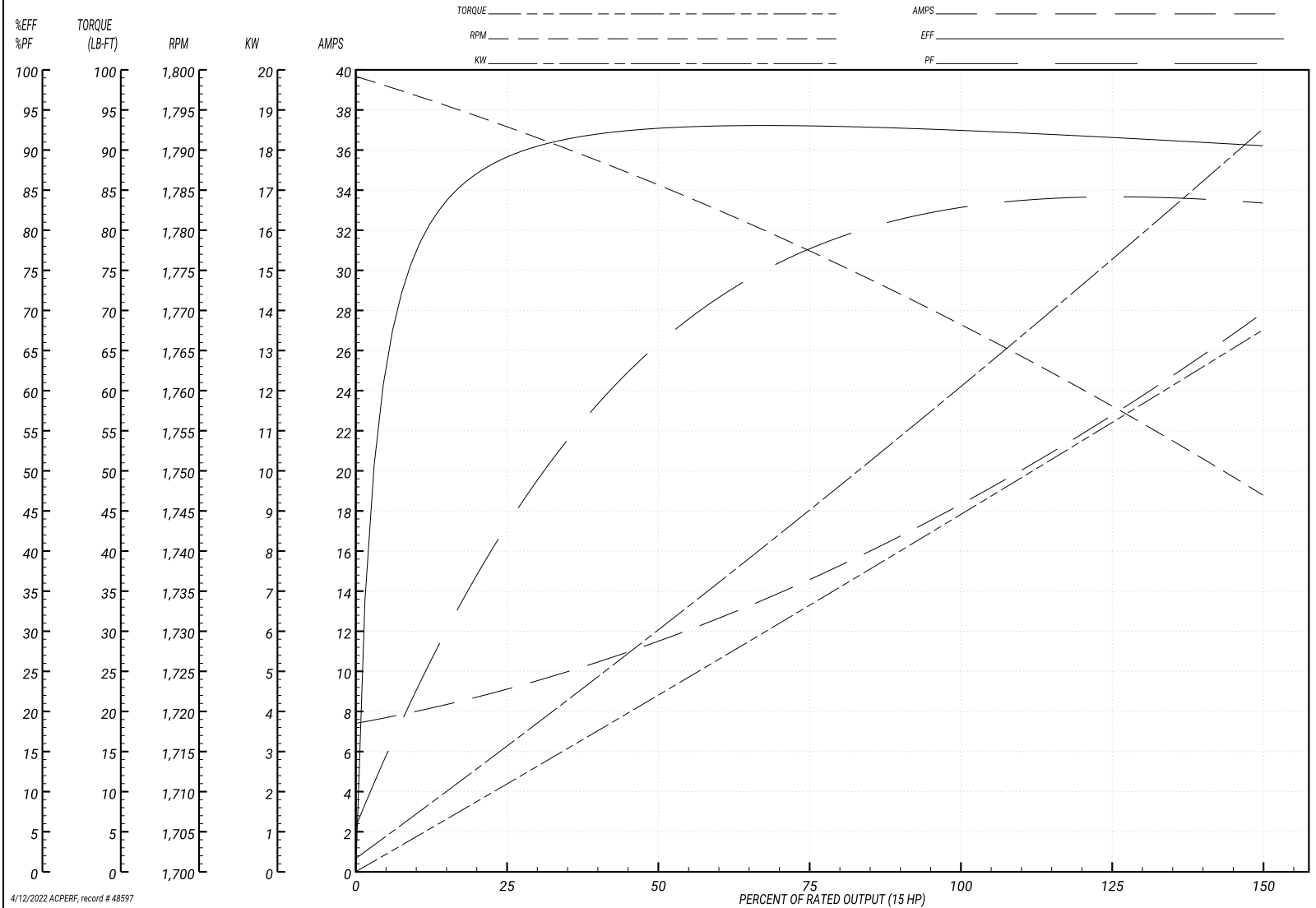
BALDOR ELECTRIC COMPANY

WINDING # 09WGT152

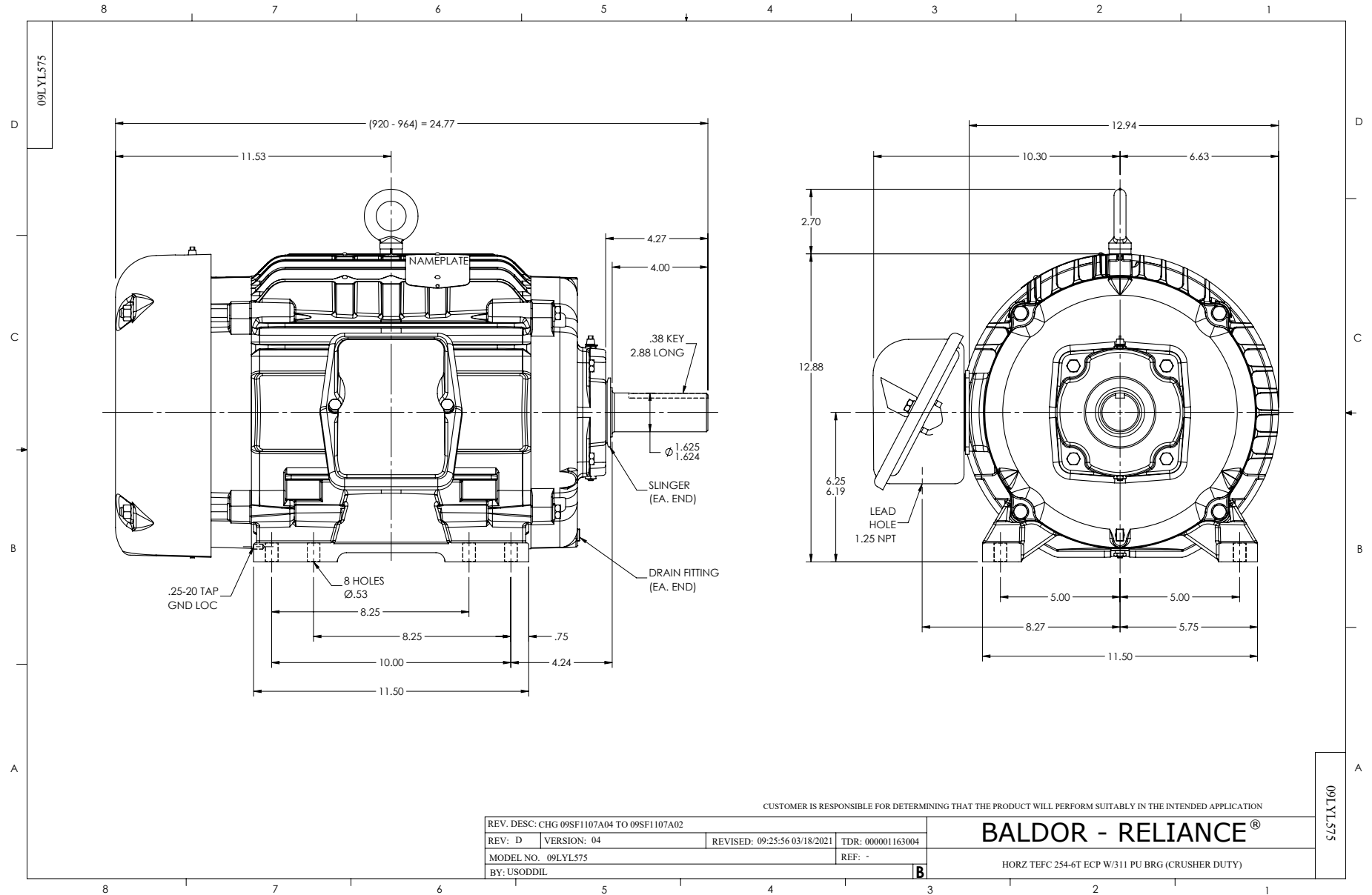
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 460 V 0948M

TORQUES(LB-FT): PO=145 PU=78.4 LR=119 LRA=120



4/12/2022 ACPERF, record # 48597



CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>