

BALDOR® • RELIANCE

Product Information Packet

ECR9204T

20HP,1765RPM,3PH,60HZ,256T,0962M,TEFC,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0962M	Elec. Spec:	09WGT156	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09L575	Layout:	09LYL575
Frame:	256T	Mounting:	F1	Poles:	04	Created Date:	01-14-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-26-2017
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3293

CAT.NO.	ECR9204T		P/N			ENCLOSURE	TEFC	
SPEC.	09L575T156G1		CC	010A	FRAME	256T	S/N	
HP	20		CLASS	F	HZ	60	DES	A
RPM	1765	RPM MAX	2700		PH	3	KVA-CODE	G
VOLT	230/460		I.P.	55				
AMP	48/24		SER.F.	1.25	PF	83	ODE BRG	6309
RATING	40C AMB-CONT		NEMA-NOM-EFF	93	GREASE	POLYREX EM		DE BRG
HTR-VOLTS		HTR-AMPS			HTR-WATTS	MAX. SPACE HEATER TEMP.		
	SFA 60/30		C HP FR	60	C HP TO	90		INV.TYPE
			CT HZ FROM	6	CT HZ TO	60		
			MOTOR WEIGHT	366	VT HZ FROM	6		VT HZ TO

Parts List		
Part Number	Description	Quantity
SA292232	SA 09L575T156G1	1.000 EA
RA278350	RA 09L575T156G1	1.000 EA
09FN3001D01	EXTERNAL FAN, PLASTIC	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
10XN2520K12	1/4-20 X.75 GRD 5	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
10XN2520K06	1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
HA3400A39	STUD- 3/8-16 X 6.19 OAL HEX WELKER	4.000 EA
HW4600B67	V-RING SLINGER 1.770 X 2.170 X .28 VITON	1.000 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
12CB1503A01P	KOLD MACH, W/LIP & 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
HW4600B40	V-RING SLINGER 2.000 X 2.680 X .28 VITON	1.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
09EP1116A04P	PU ENDPLATE, MACH, EPOXY PRIMED	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
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 SEAL, CP MOTORS 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
09EP1118A05PP44	FREP MACH, 309 BRG.INPRO SEALS-E-POXY	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, POLYREX EM EXXON (USe 4824-15A)	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
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA

Product Information Packet: ECR9204T - 20HP,1765RPM,3PH,60HZ,256T,0962M,TEFC,F1

MG1025G96	WILKOFAS 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
LC0005	CONN.DIA., TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
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 (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 49624 - Typical performance - not guaranteed values

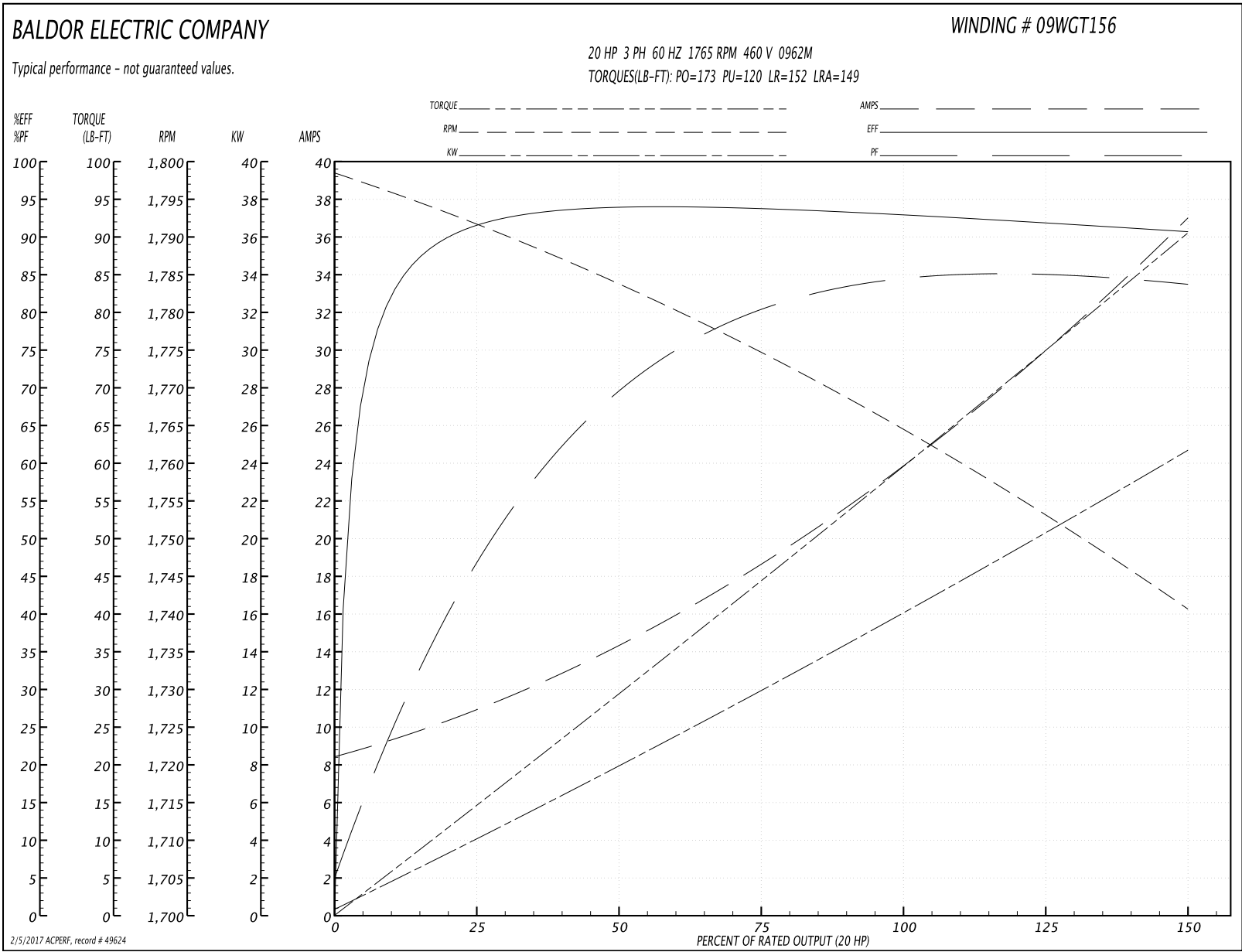
Winding: 09WGT156-R001	Type: 0962M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

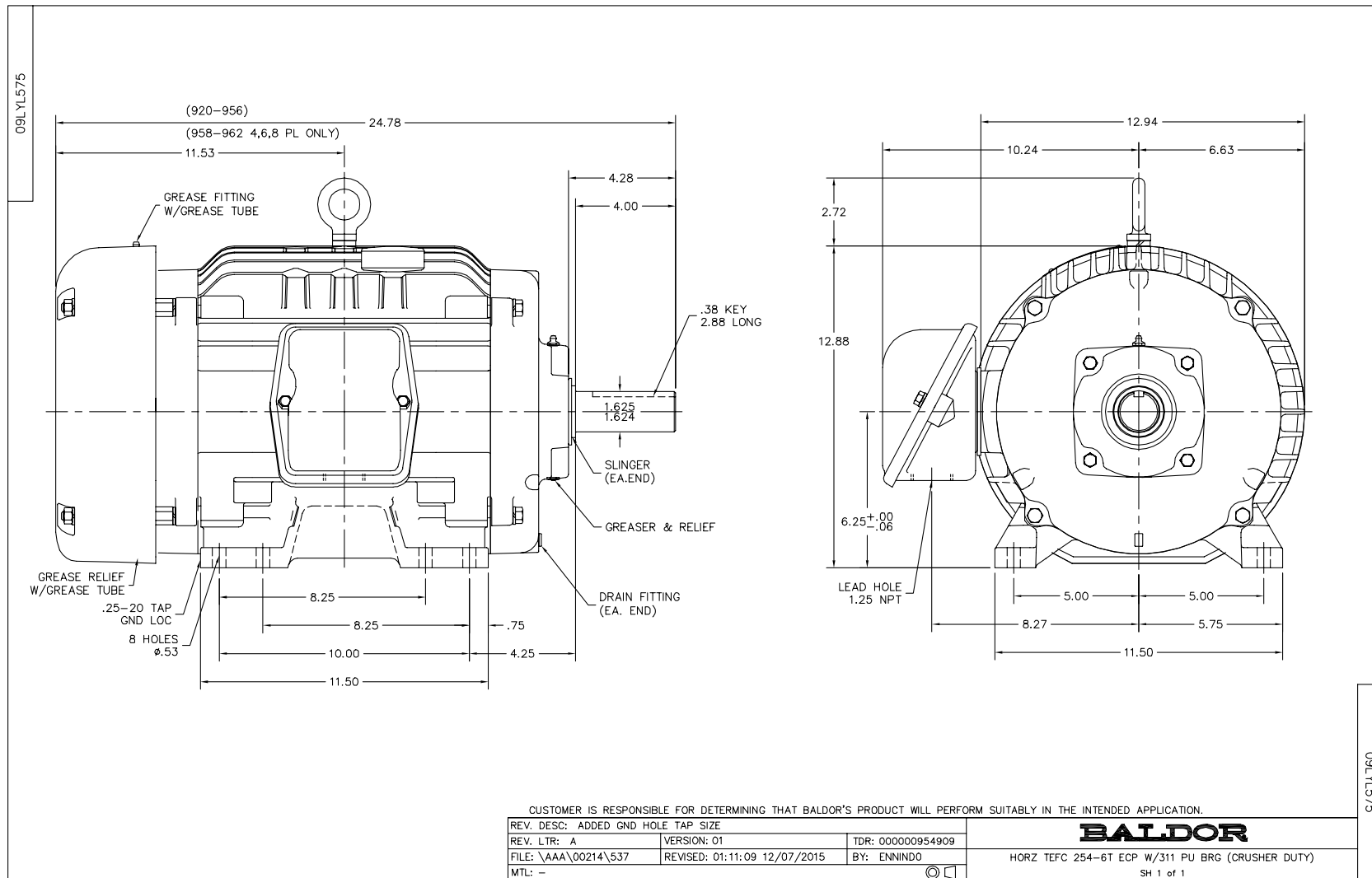
Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	20			Full Load Torque	59.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	48/24			Breakdown Torque	173 LB-FT
R.P.M.	1765			Pull-up Torque	120 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	152 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	149 A
Service Factor (S.F.)	1.25			No-load Current	8.82 A
NEMA Nom. Eff.	93	Power Factor	83	Line-line Res. @ 25°C	0.40887 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	61°C
S.F. Amps	60/30			Temp. Rise @ S.F. Load	78°C
				Locked-rotor Power Factor	37

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	71	80	83	85	84	84
Efficiency	91.3	93.7	93.8	93.1	92	90.6	92.4
Speed	1791.3	1783.1	1774.9	1764.6	1753.7	1740.2	1758
Line amperes	10.4	14.2	18.8	24.2	30.1	36.8	27.7

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values







Marketing maintained PDF of MN416:

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