

**BALDOR® • RELIANCE** 

**Product Information Packet**

**CXT3152T**

**15HP,3520RPM,3PH,60HZ,254TC,0930M,TEFC,F**

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGZ602	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:		Layout:	09LY-001-012	Poles:	02	Created Date:	12-04-2020
Base:		Eff. Date:	04-07-2021	Leads:	9#12		

Specs			
Catalog Number:	CXT3152T	Electrically Isolated Bearing:	Not Electrically Isolated
Enclosure:	TEFC	Feedback Device:	NO FEEDBACK
Frame:	254TC	Heater Indicator:	No Heater
Frame Material:	Iron	Insulation Class:	F
Motor Letter Type:	Three Phase	Inverter Code:	Inverter Duty
Output @ Frequency:	15.000 HP @ 60 HZ	IP Rating:	NONE
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	KVA Code:	G
Voltage @ Frequency:	460.0 V @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
	230.0 V @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
XP Class and Group:	CLI GP A,B,C,D	Motor Lead Termination:	Flying Leads
XP Division:	Division II	Motor Type:	0934M
Agency Approvals:	CCSA US	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	91
	NEMA PREMIUM	Product Family:	General Purpose
	UR	Pulley Face Code:	C-Face
Auxillary Box:	No Auxillary Box	Rodent Screen:	None
Auxillary Box Lead Termination:	None	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible

<b>Bearing Grease Type:</b>	Polyrex EM (-20F +300F)	<b>Speed Code:</b>	Single Speed
<b>Blower:</b>	None	<b>Motor Standards:</b>	NEMA
<b>Constant Torque Speed Range:</b>	6	<b>Starting Method:</b>	Direct on line
<b>Current @ Voltage:</b>	38.000 A @ 208.0 V	<b>Thermal Device - Bearing:</b>	None
	34.000 A @ 230.0 V	<b>Thermal Device - Winding:</b>	None
	17.000 A @ 460.0 V	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Design Code:</b>	B	<b>Winding Thermal 1:</b>	None
<b>Drip Cover:</b>	No Drip Cover	<b>Winding Thermal 2:</b>	None
<b>Duty Rating:</b>	CONT	<b>XP Temp Code:</b>	T3C

Nameplate NP4163L			
CAT.NO.	CXT3152T	I.P.	54
SPEC.	09-0000-2788	ENCL	TEFC
FRAME	254TC	H.P.	15
VOLTS	230/460	P.F.	87
F.L. AMPS	35/17.5	RATING	40C AMB-CONT
R.P.M.	3520	USABLE AT 208V	38
HZ.	60	PH.	3
SER.F.	1.15	DES.	B
NEMA NOM. EFF.	91	WKT	0.77
DE	6309	ODE	6208
MAG. CUR.	12.6/6.3	SL HZ	1.3
INV TYPE	PWM	TO	90
CT	6	CHP	60
CC	010A	VT	3
		TO	60
		T. CODE	T3A
		SN	
	USABLE AT 50HZ 10HP 190/380V		
	30/15A SF1.0		

Parts List		
Part Number	Description	Quantity
SA388341	SA 09-0000-2788	1.000 EA
RA378701	RA 09-0000-2788	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
NP4163L	SS CP INV DIV-2 UL CSA-C US EEV PREM, DI	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
HW3201A01	1/2-13 EYEBOLT	1.000 EA
HW1002A63	WASHER, 5/8 HI-COLLAR SPRCKWASHER	1.000 EA
09FH4000SP	309 FH - BLACK PRIMER	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.503 ID	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.080 LB
09EP1100A196	ENDPLATE, MACH	1.000 EA
HA3400A33	STUD- 3/8-16 X 4.82 HEX WELKER	4.000 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
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 EA
09EP1300A164	FACE MTD. E.P. 309 ENCL 254-6TC 309 BRG-	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 EA
09CB3002A10	CB MACH 1.38 DIA. LEAD HOLE 2.38 MTG	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	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
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	GS FOR 09CB3501, 12CB1500 & 12CB1503 LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
MG1025L14	WILKOFASST, 776.14, GRUNDFOS BLACK	0.070 GA
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA

**AC Induction Motor Performance Data**

Record # 52926

Typical performance - not guaranteed values

<b>Winding: 09WGT003-R005</b>		<b>Type: 0934M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	15	<b>Full Load Torque</b>	22.4 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	34/17	<b>Breakdown Torque</b>	87.8 LB-FT		
<b>R.P.M.</b>	3510	<b>Pull-up Torque</b>	26 LB-FT		
<b>Hz</b>	60 Phase	<b>Locked-rotor Torque</b>	32.7 LB-FT		
<b>NEMA Design Code</b>	B	<b>KVA Code</b>	G	<b>Starting Current</b>	114 A
<b>Service Factor (S.F.)</b>	1	<b>No-load Current</b>	5.1 A		
<b>NEMA Nom. Eff.</b>	91	<b>Power Factor</b>	91	<b>Line-line Res. @ 25°C</b>	0.65007 Ω
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	54°C	

**Load Characteristics 460 V, 60 Hz, 15 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
<b>Power Factor</b>	61	80	88	89	90	90
<b>Efficiency</b>	87.4	91.3	91.8	91.2	90.1	88.8
<b>Speed</b>	3581.4	3562.9	3544	3522.3	3498.5	3472.2
<b>Line amperes</b>	6.66	9.71	13.1	17.3	21.7	26.5

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

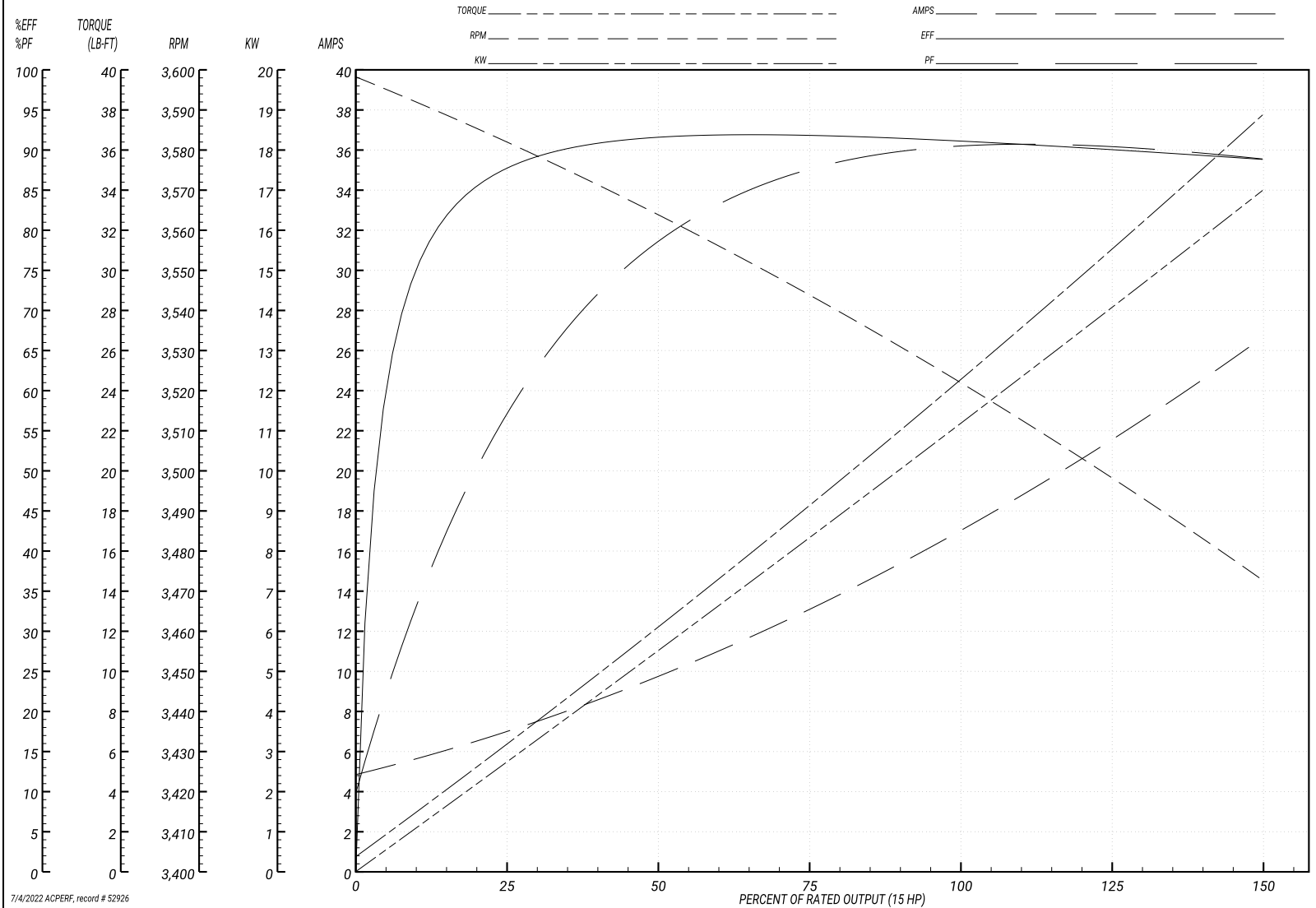
**BALDOR ELECTRIC COMPANY**

WINDING # 09WGT003

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 3510 RPM 460 V 0934M

TORQUES(LB-FT): PO=87.8 PU=26 LR=32.7 LRA=114



7/4/2022,ACPERF, record # 52926



**AC Induction Motor Performance Data**

Record # 70627

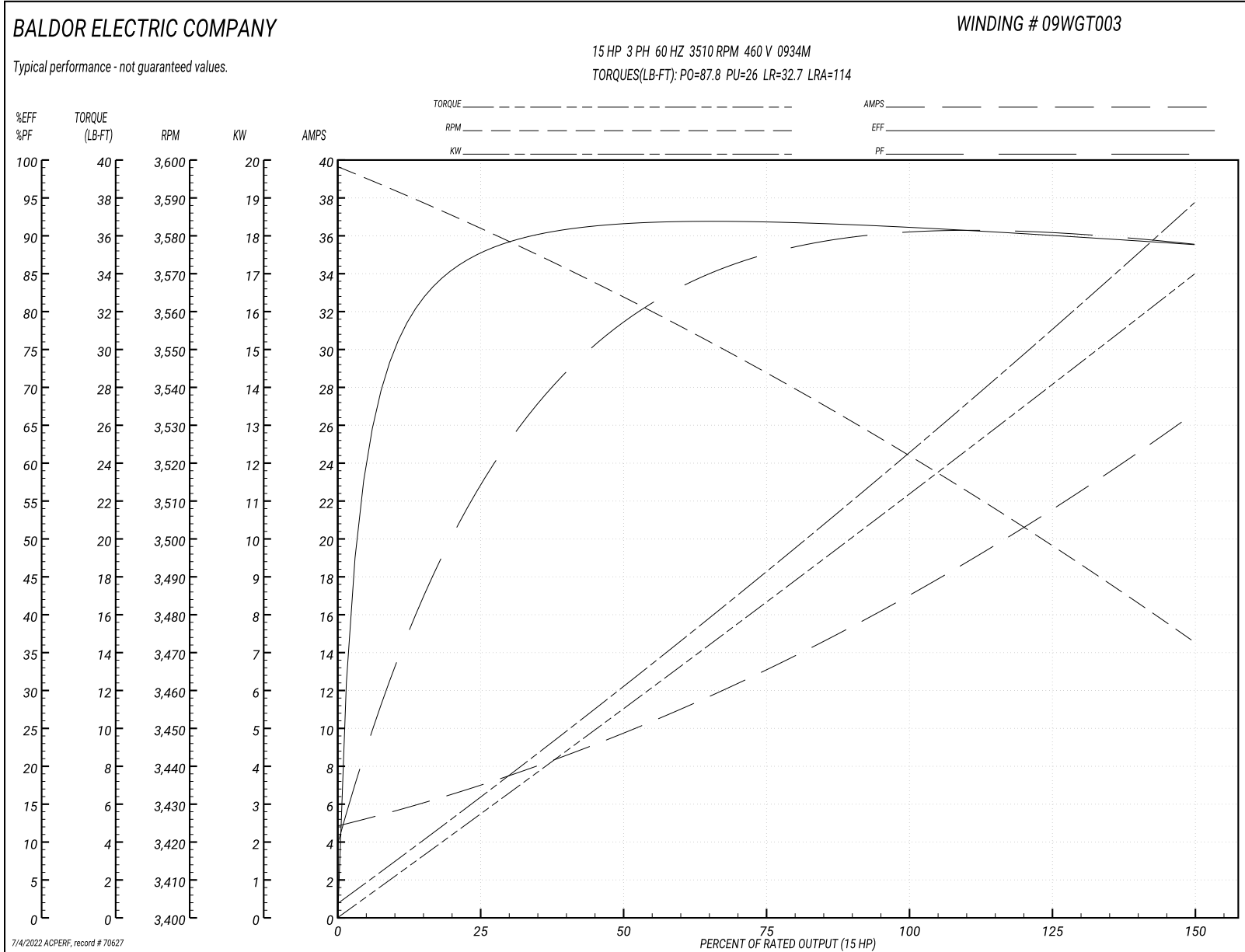
Typical performance - not guaranteed values

Winding: 09WGT003-R001		Type: 0934M	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: Single Voltage Motor</b>	
Rated Output (HP)	15	Full Load Torque	22.4 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	34/17	Breakdown Torque	87.8 LB-FT	
R.P.M.	3510	Pull-up Torque	26 LB-FT	
Hz	60 Phase	Locked-rotor Torque	32.7 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	114 A	
Service Factor (S.F.)	1.15	No-load Current	5.1 A	
NEMA Nom. Eff.	91 Power Factor	Line-line Res. @ 25°C	0.65007 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	54°C	
S.F. Amps		Temp. Rise @ S.F. Load	68°C	

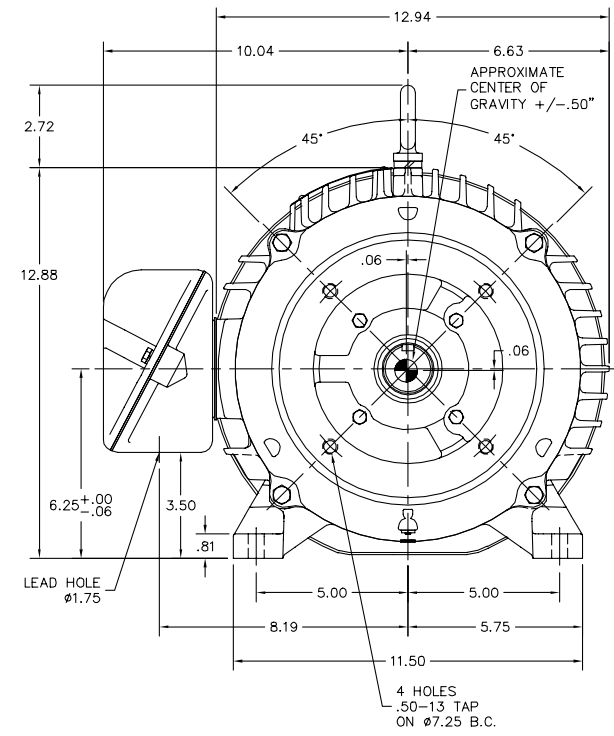
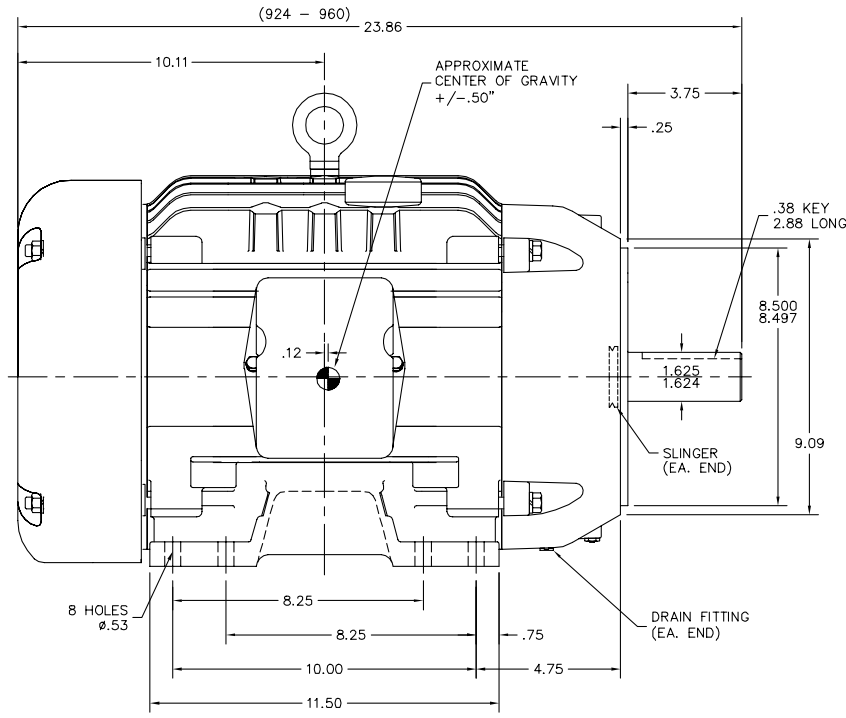
**Load Characteristics 460 V, 60 Hz, 15 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	61	80	88	89	90	90	90
Efficiency	87.4	91.3	91.8	91.2	90.1	88.8	90.5
Speed	3581.4	3562.9	3544	3522.3	3498.5	3472.2	3508
Line amperes	6.66	9.71	13.1	17.3	21.7	26.5	19.9

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



09LY-001-012



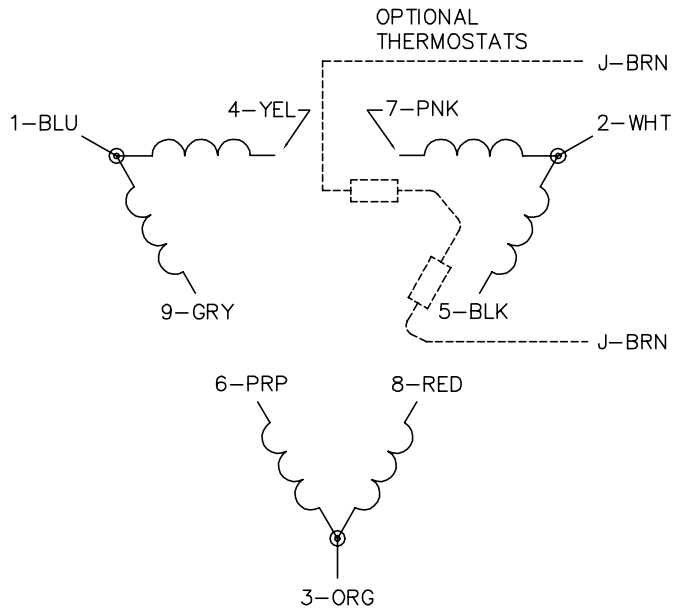
09LY-001-012

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

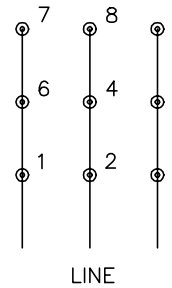
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FILE: \AAA\00255\335		
MTL: -		

**BALDOR - RELIANCE**<sup>®</sup>  
 HORZ TEFC 254-6TC W/SLD BRGS  
 SH 1 of 1

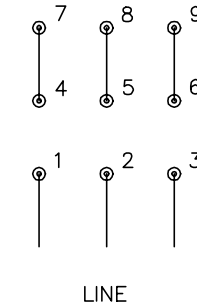
CD0180



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

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