

BALDOR® • RELIANCE

Product Information Packet

EM2334T

20HP,1765RPM,3PH,60HZ,256T,0952M,TEFC,F1

Part Detail							
Revision:	AK	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0952M	Elec. Spec:	09WGY583	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09P11	Layout:	09LYP011
Frame:	256T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-25-2015
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA									
CAT.NO.	EM2334T								
SPEC.	09P011Y583G1								
HP	20								
VOLTS	230/460								
AMP	48/24								
RPM	1765								
FRAME	256T	HZ	60	PH	3				
SER.F.	1.15	CODE	H	DES	B	CL	F		
NEMA-NOM-EFF	93	PF	84						
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V	51						
DE	6309	ODE	6208						
ENCL	TEFC	SN							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50Hz 20HP 190/380V 56/28A		SF1.0						

AC Induction Motor Performance Data

Record # 2056 - Typical performance - not guaranteed values

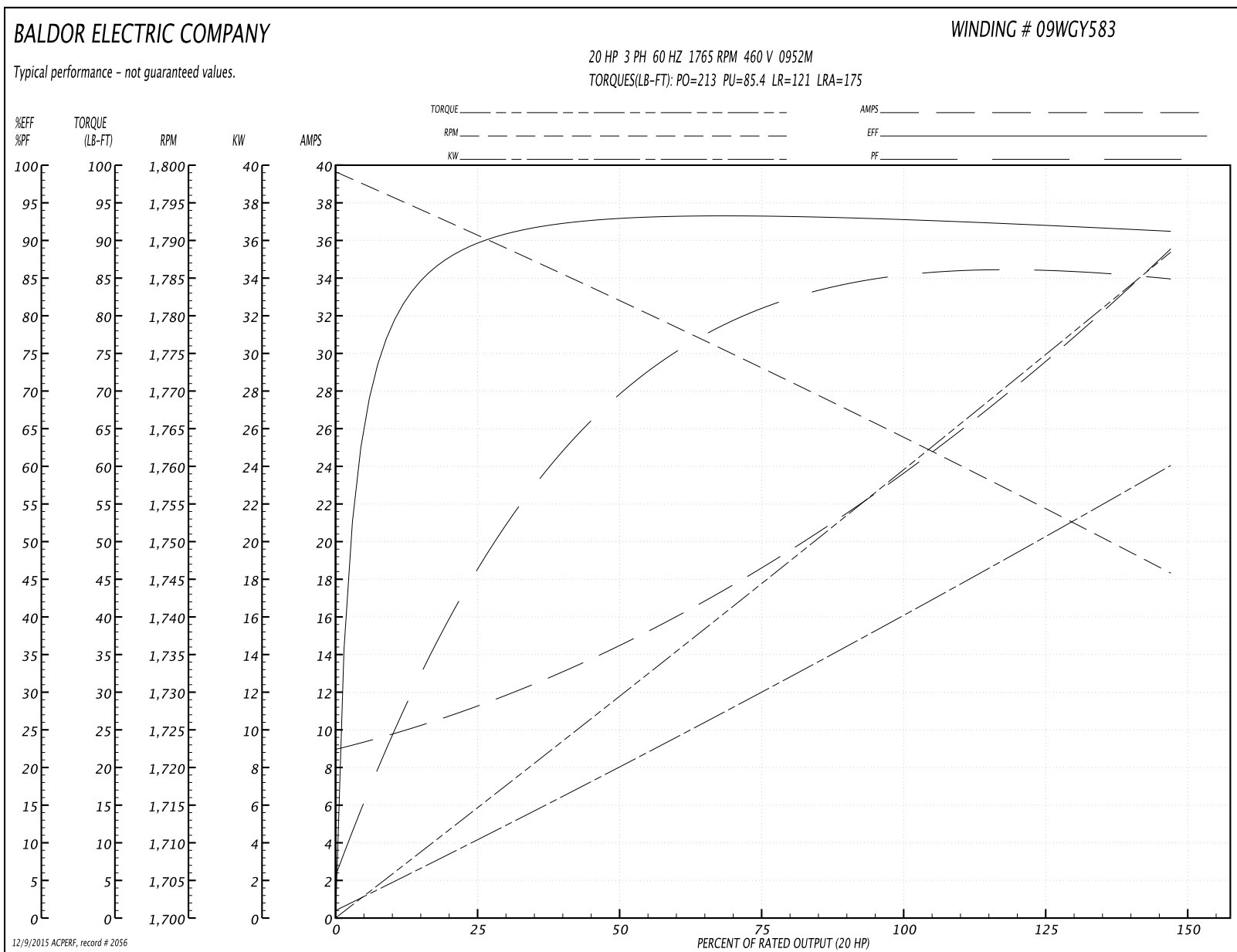
Winding: 09WGY583-R001	Type: 0952M	Enclosure: TEFC
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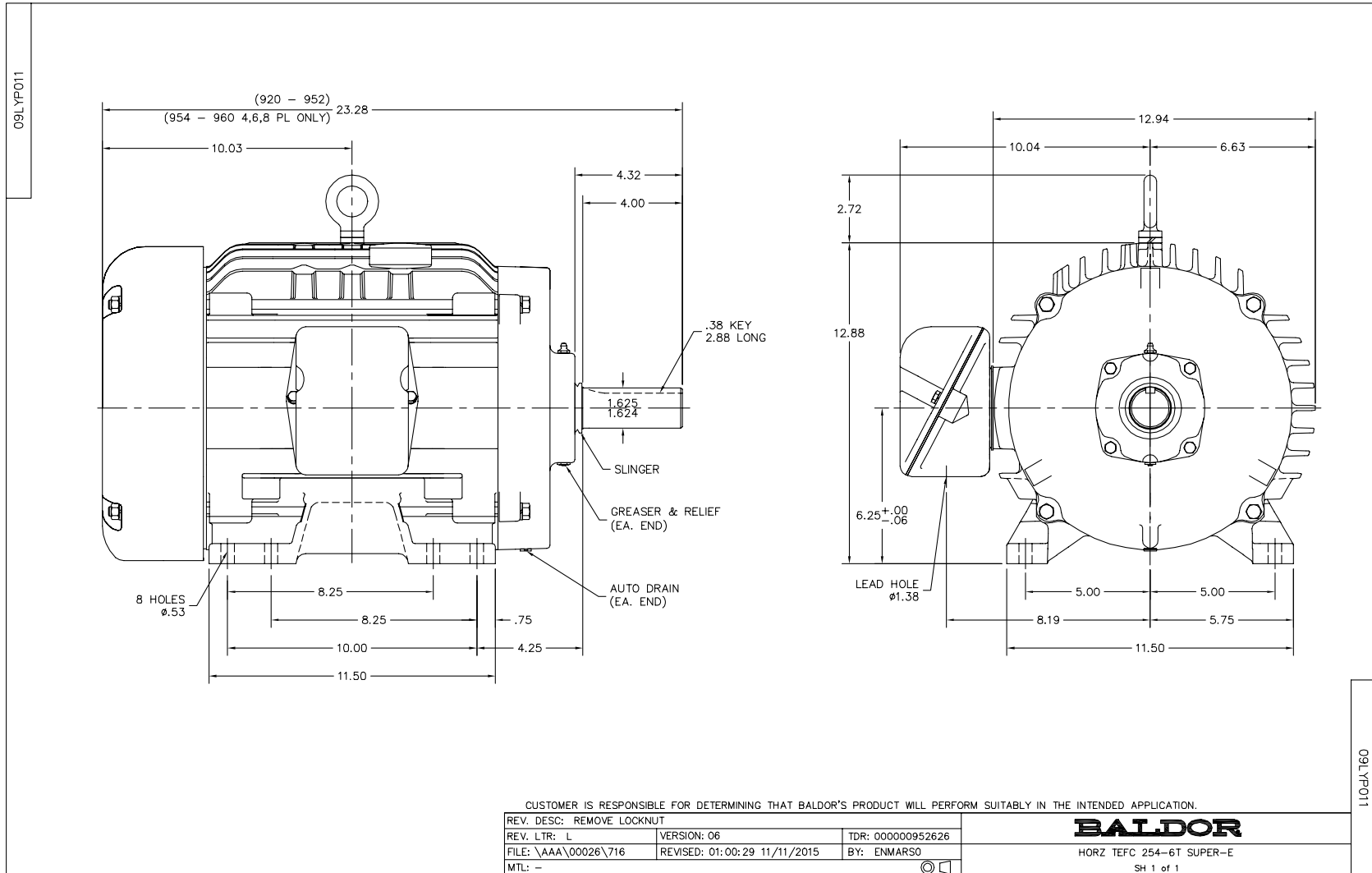
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	20			Full Load Torque	59 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	48/24			Breakdown Torque	213 LB-FT
R.P.M.	1765			Pull-up Torque	85.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	121 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	175 A
Service Factor (S.F.)	1.15			No-load Current	9.41 A
NEMA Nom. Eff.	93	Power Factor	84	Line-line Res. @ 25°C	0.426 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C
S.F. Amps				Temp. Rise @ S.F. Load	74°C
				Rotor inertia	2.27 LB-FT ²

Load Characteristics 460 V, 60 Hz, 20 HP

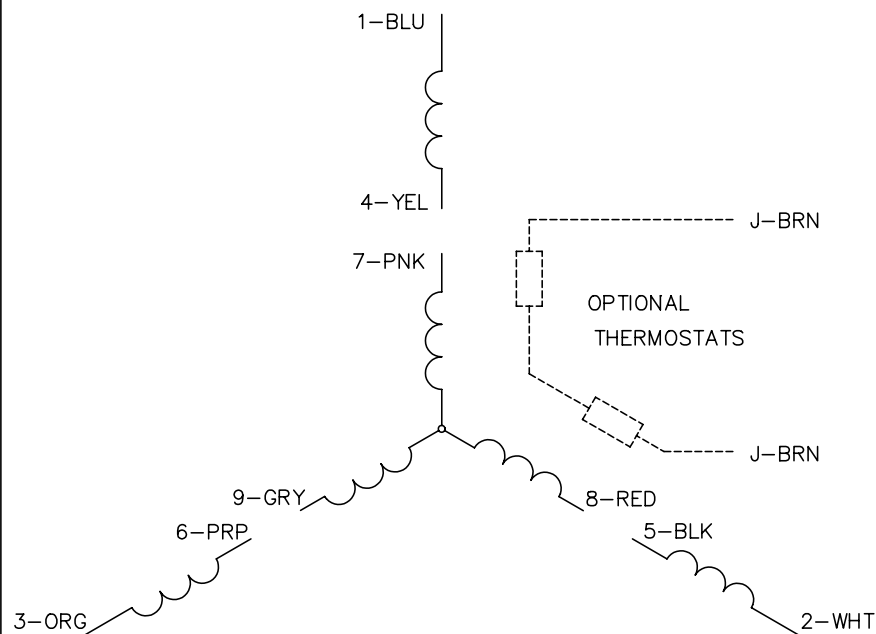
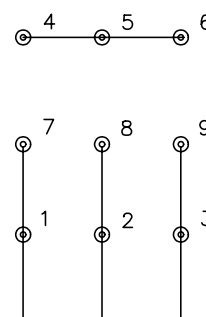
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	69	80	84	86	87	85
Efficiency	89	92.8	93.1	93	92.2	91.1	92.5
Speed	1791	1783	1770	1766	1756	1745	1760
Line amperes	10.7	14	19.1	23.7	29.1	35.4	26.94

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

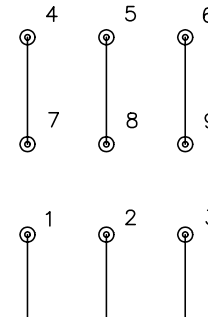




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005