



Product Information Packet

EMM2334

15KW,1770RPM,3PH,60HZ,D160L,0960M,TEFC,F

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGZ571	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	09E142	Layout:	09LYE142	Poles:	04	Created Date:	03-22-2010
Base:	RG	Eff. Date:	09-05-2017	Leads:	9#10		

Specs			
Catalog Number:	EMM2334	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	D160L	Inverter Code:	Not Inverter
Frame Material:	Iron	KVA Code:	H
Output @ Frequency:	15.000 KW @ 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 @ 10 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:	0960M
Agency Approvals:	CSA	Mounting Arrangement:	B3
	UR	Power Factor:	81
Auxillary Box:	No Auxillary Box	Product Family:	General Purpose
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	25.000 A @ 460.0 V	Shaft Extension Location:	Pulley End

	50.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	52.000 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	IEC
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	NONE (OLD)
Frame Prefix:	D	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1159L

CAT.NO.	EMM2334										
SPEC.	09E142Z571G1										
IEC FRAME	D160L					KW		15			
VOLTS	230/460										
AMP	50/25										
RPM	1770					ENCL		TEFC			
HZ	60					PH		3		CL	
SER.F.	1.15					DES		A		CODE	
NEMA-NOM-EFF	93				I.P.		54				
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V						52
DE	6309				ODE		6208				
SER. #											

Parts List		
Part Number	Description	Quantity
SA192530	SA 09E142Z571G1	1.000 EA
RA180170	RA 09E142Z571G1	1.000 EA
09FN3001D01SP	EXTERNAL FAN, PLASTIC	1.000 EA
HW1002A63	0ASHER, 5/8 HI-COLLAR SPRLCKWASHER	1.000 EA
09CB3002P5	CB W/1.38 LEAD HOLE W/ETCHING PRIMER	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
09FE1100A14	FREP ASSEMBLY, 09EP1100A14	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
09CB3501P5	CONDUIT BOX LID CAST W/ETCHING PRIMER	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 EA
09EP1101A11SP	PU ENDPLATE, MACH	1.000 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
HA3113A02	THRUBOLT 3/8-16 X 16.750	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09FH4000SP	309 FH	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA2081A05	SPACER TUBE, 309 FAN HSG, 2.00 LONG	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2505C27	KEY 8 X 12 MM X 3.125	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	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
NP1159L	SS SUPER-E IEC UL CSA CC	1.000 EA

09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA
PE-0000003	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 30679 - Typical performance - not guaranteed values

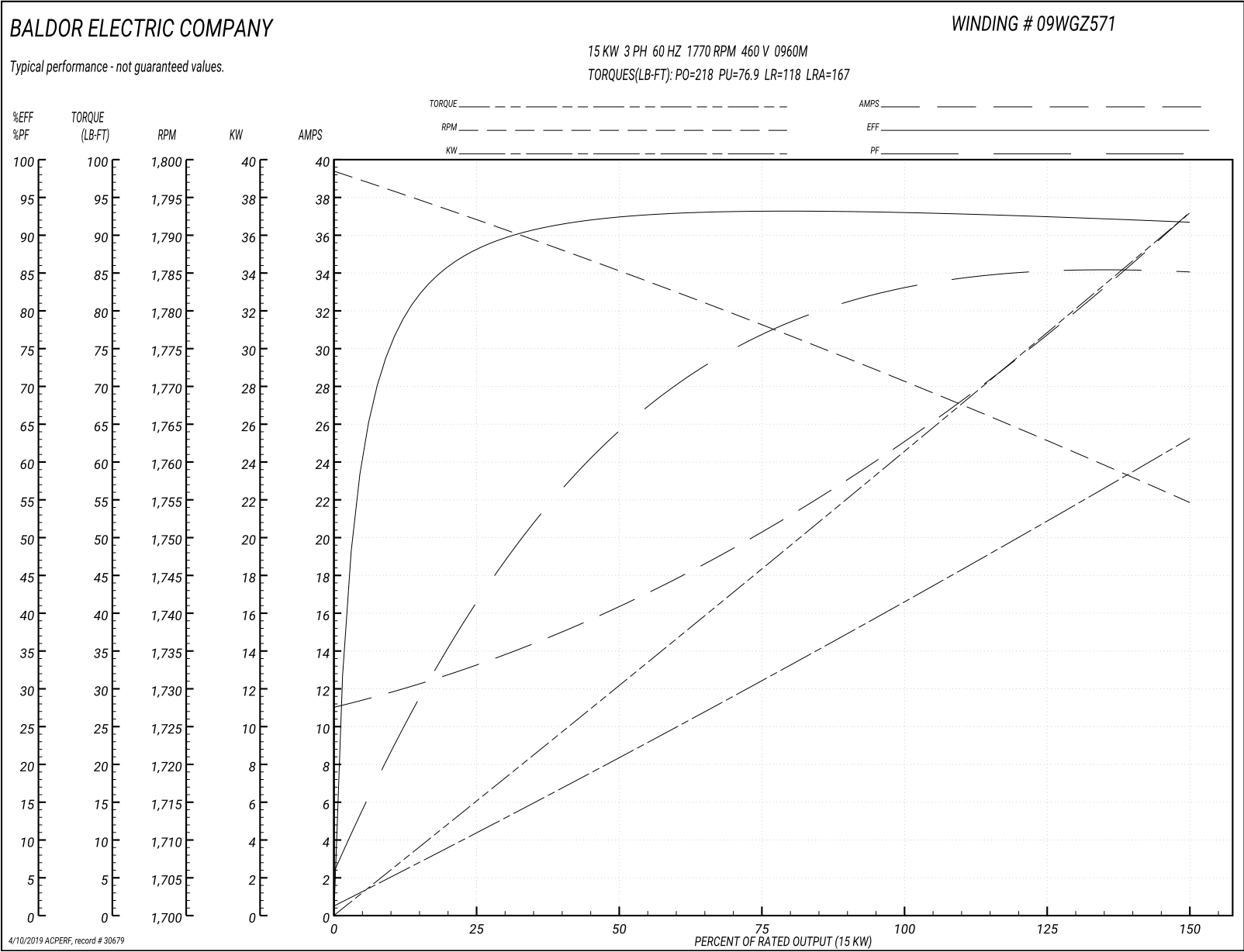
Winding: 09WGZ571-R001	Type: 0960M	Enclosure: TEFC
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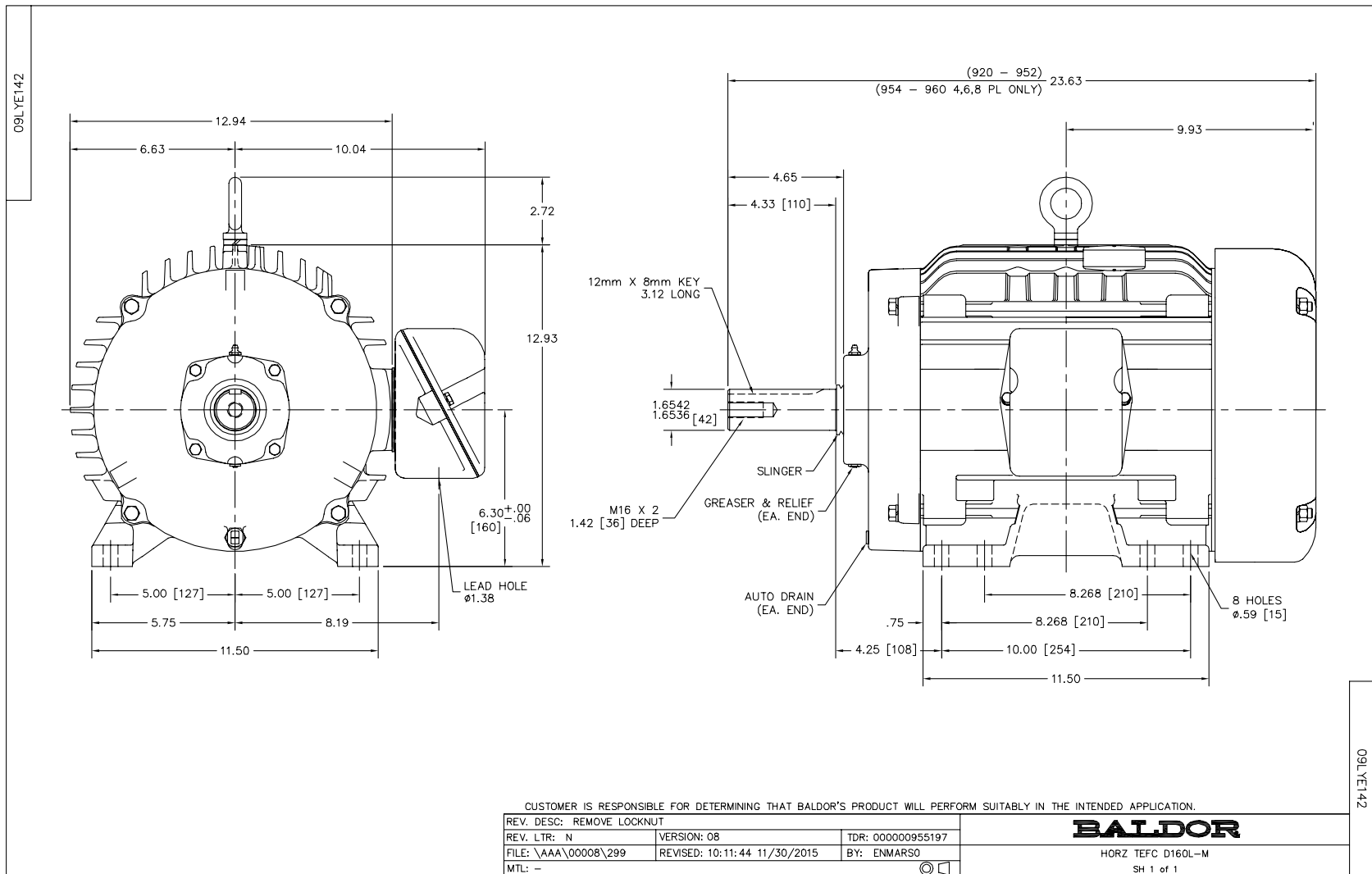
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (KW)	15			Full Load Torque	59.1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	50/25			Breakdown Torque	218 LB-FT
R.P.M.	1770			Pull-up Torque	76.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	118 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	167 A
Service Factor (S.F.)	1.15			No-load Current	11.3 A
NEMA Nom. Eff.	93	Power Factor	81	Line-line Res. @ 25°C	0.335 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	61°C
S.F. Amps				Temp. Rise @ S.F. Load	73°C
				Locked-rotor Power Factor	31.8
				Rotor inertia	2.62 LB-FT ²

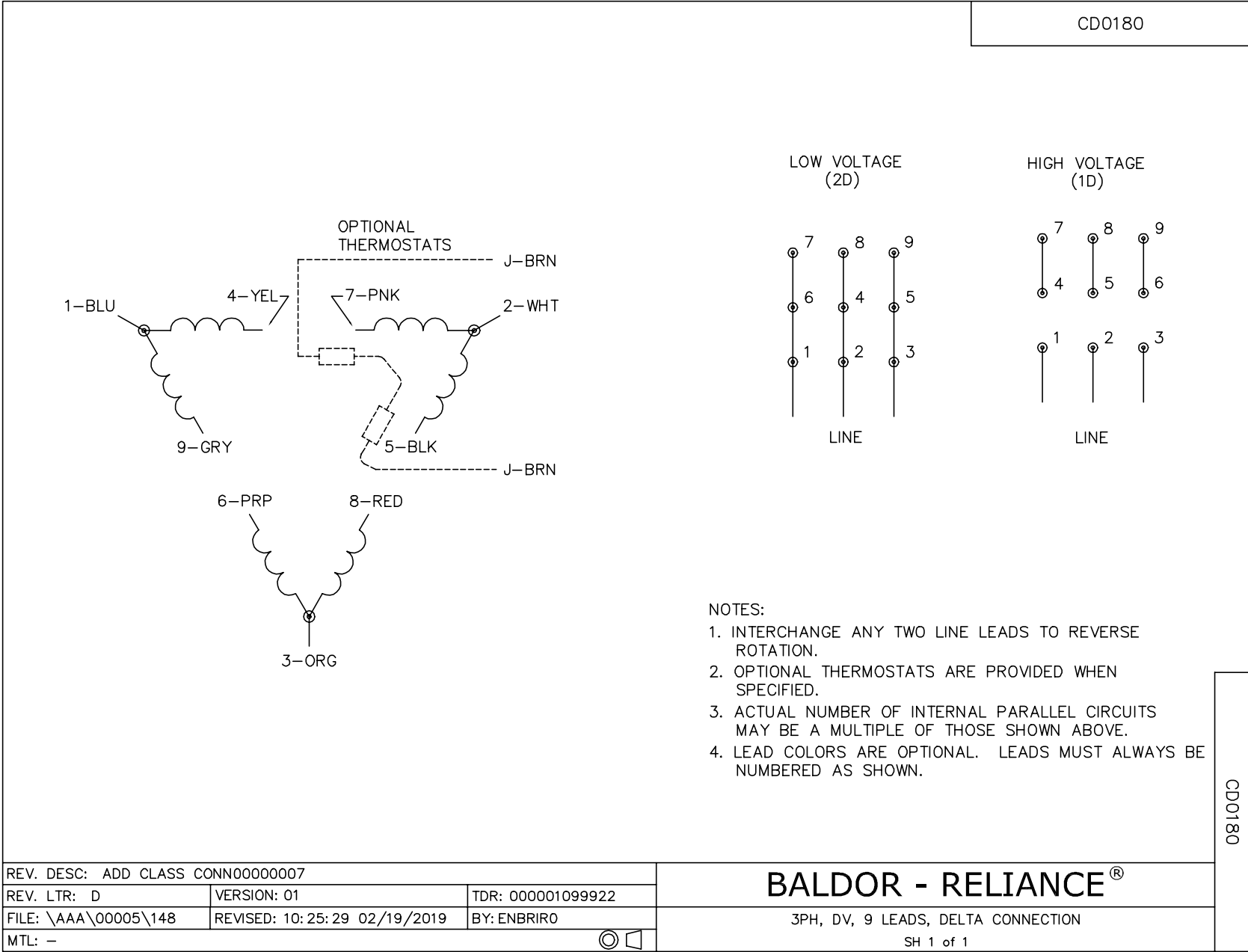
Load Characteristics 460 V, 60 Hz, 15 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	64	75	81	86	85	84
Efficiency	87.3	92	93	93.1	92.8	91.6	92.9
Speed	1792	1785	1779	1772	1765	1754	1768
Line amperes	12.8	15.8	20.1	24.7	29.6	37.2	27.6

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







Marketing maintained PDF of MN416:

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