

BALDOR® • RELIANCE

Product Information Packet

EMVM3555D

1.5KW,3490RPM,3PH,60HZ,D90LD,3526M,TEFC

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGM774	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35Q175	Layout:	35LYQ175
Frame:	D90LD	Mounting:	B5	Poles:	02	Created Date:	05-08-2015
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	11-16-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3389L

CAT.NO.	EMVM3555D									
SPEC.	35Q175M774G1									
IEC FRAME	D90LD				KW		1.5KW			
VOLTS	208-230/460									
AMP	5.3-5/2.5									
RPM	3490					ENCL		TEFC		
HZ	60				PH		3		CL	
SER.F.	1.15				DES		B		CODE	
NEMA-NOM-EFF	85.5			I.P.		54				
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V						
DE	6205			ODE		6203				
SER. #										

Parts List		
Part Number	Description	Quantity
SA300435	SA 35Q175M774G1	1.000 EA
RA287489	RA 35Q175M774G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M01	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1518A01	MODEL 35 IEC FF165 MACH. 80 & D90 205 BR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4600A30	GARLOCK 63X273 SINGLE LIP SEAL	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
35GS1030	35 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2505A11	KEY, 8 X 7 MM 1.125" X	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A37	THRUBOLT 10-32 X 8.500	4.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
NP3389L	SS IEC SUPER E UL CSA-EEV NEMA PREMIUM	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 50636 - Typical performance - not guaranteed values

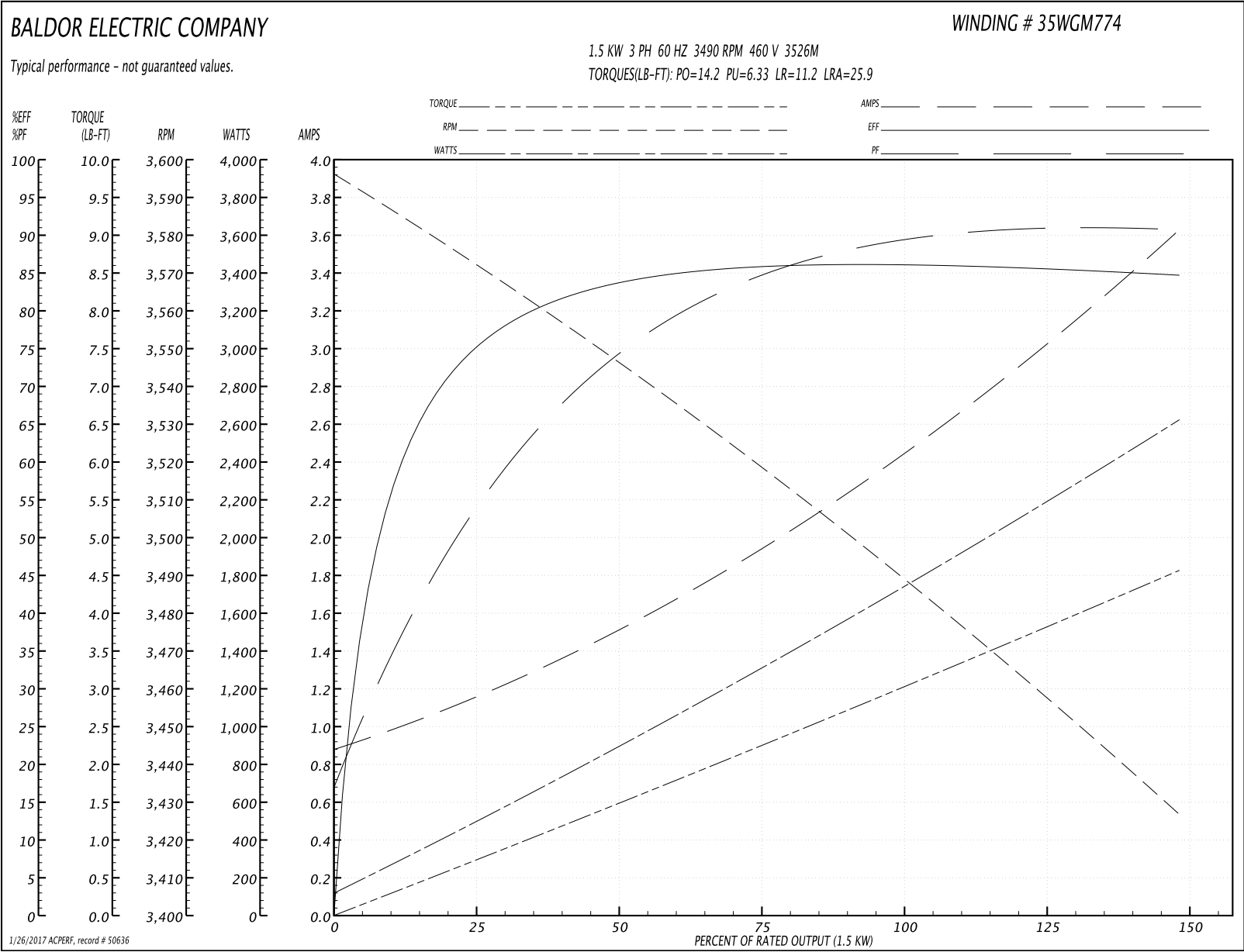
Winding: 35WGM774-R016	Type: 3526M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (KW)	1.5			Full Load Torque	2.98 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.3-5/2.5			Breakdown Torque	14.2 LB-FT
R.P.M.	3490			Pull-up Torque	6.33 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11.2 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	25.9 A
Service Factor (S.F.)	1.15			No-load Current	0.912 A
NEMA Nom. Eff.	85.5	Power Factor	88	Line-line Res. @ 25°C	6.9119 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	52°C
				Locked-rotor Power Factor	50
				Rotor inertia	0.0719 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	75	84	88	90	91	89
Efficiency	74.3	83.5	85.9	86.4	85.9	84.8	86.1
Speed	3571.7	3546.5	3520.2	3492.1	3460.7	3425.5	3473
Line amperes	1.1	1.47	1.93	2.44	3	3.61	2.78

Performance Graph at 460V, 60Hz, 1.5KW Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 50637 - Typical performance - not guaranteed values

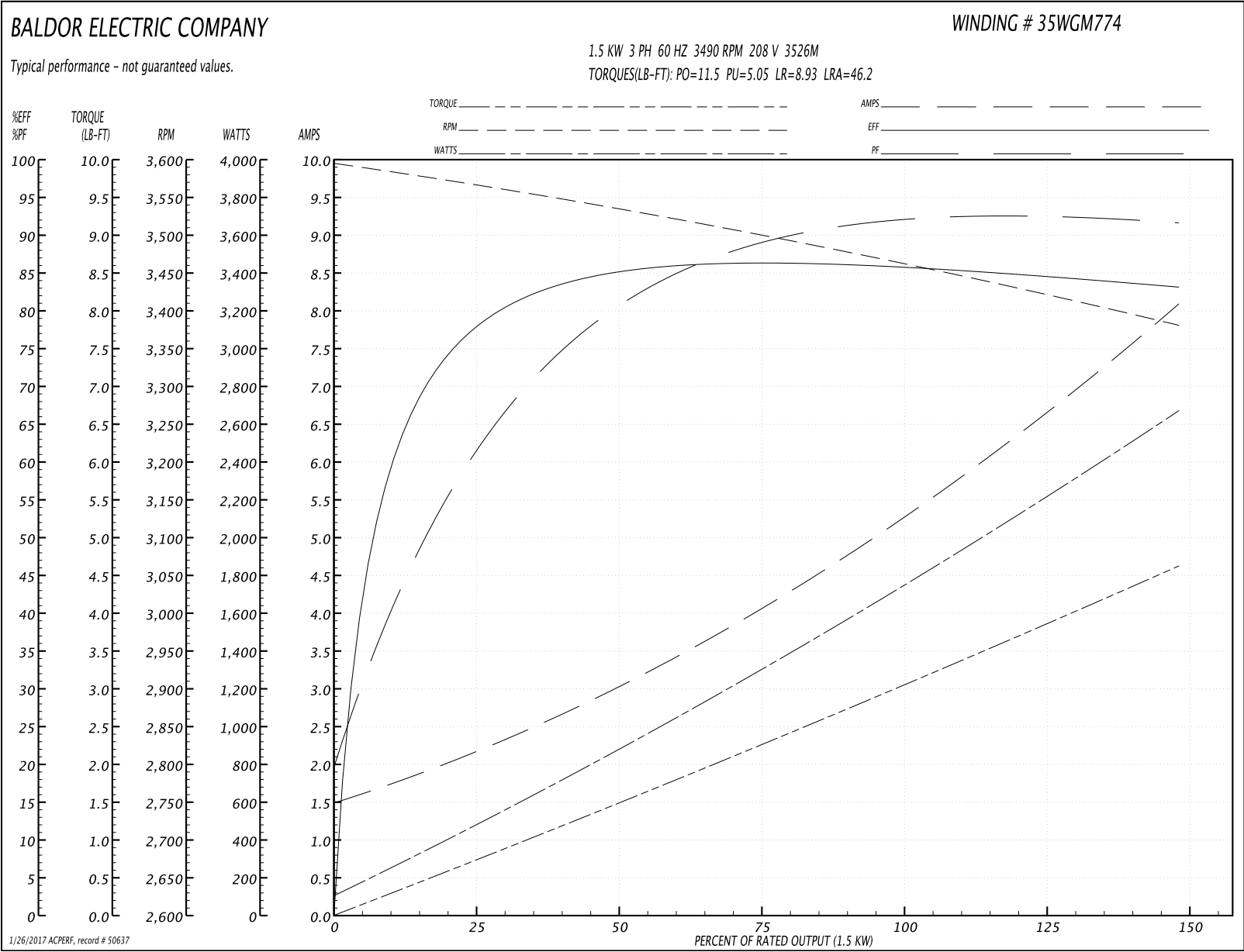
Winding: 35WGM774-R016	Type: 3526M	Enclosure: TEFC
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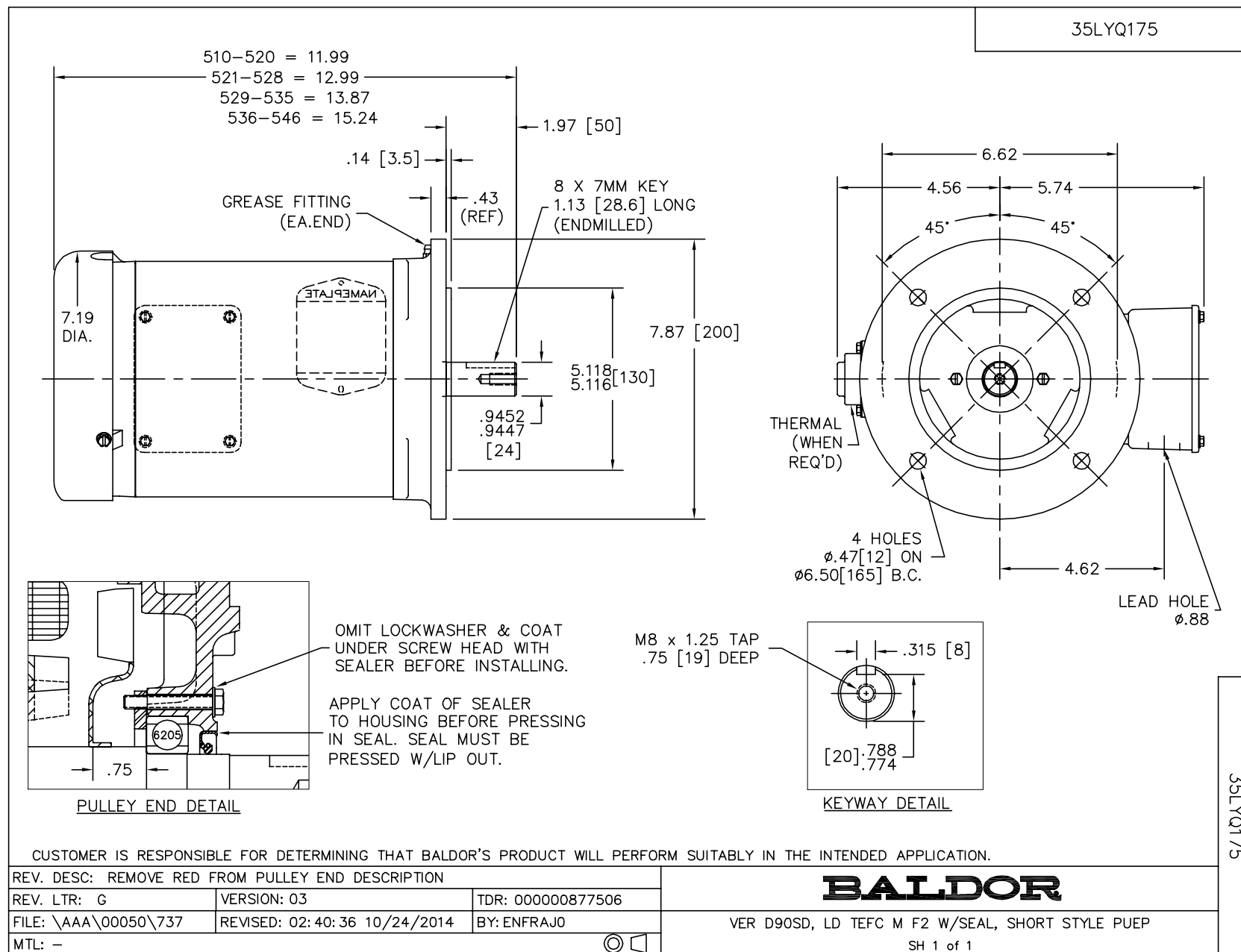
Nameplate Data				208 V, 60 Hz: Low Voltage Connection	
Rated Output (KW)	1.5			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.3-5/2.5			Breakdown Torque	11.5 LB-FT
R.P.M.	3490			Pull-up Torque	5.05 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.93 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	46.2 A
Service Factor (S.F.)	1.15			No-load Current	1.56 A
NEMA Nom. Eff.	85.5	Power Factor	88	Line-line Res. @ 25°C	1.72 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	45°C
S.F. Amps				Temp. Rise @ S.F. Load	55°C
				Locked-rotor Power Factor	49.3
				Rotor inertia	0.0719 LB-FT ²

Load Characteristics 208 V, 60 Hz, 1.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	82	88	91	92	92	92
Efficiency	76.1	85.2	86.2	86	85	83	85.4
Speed	3566	3535	3502	3466	3426	3379	3442
Line amperes	2.04	2.94	4.04	5.25	6.58	8.06	6.05

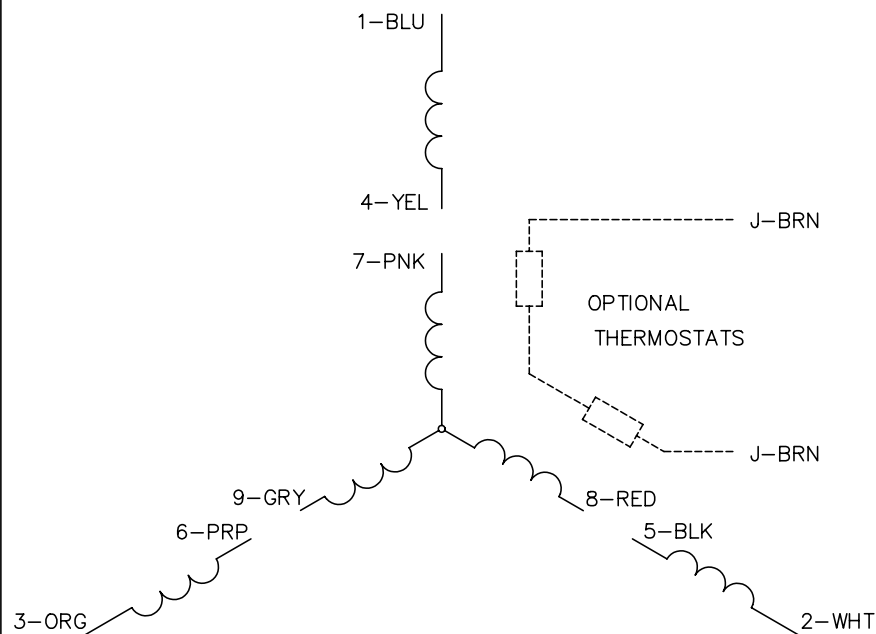
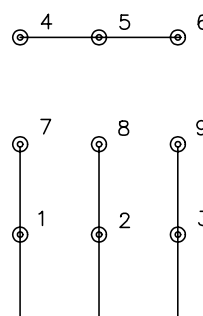
Performance Graph at 208V, 60Hz, 1.5KW Typical performance - Not guaranteed values



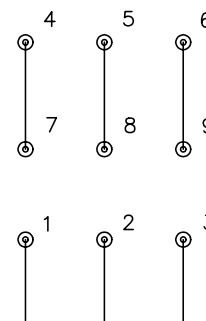


35LYQ175

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