

BALDOR[®] • RELIANCE 

Product Information Packet

EL11310M

1HP,1755RPM,1PH,60HZ,56H,3528LC,OPEN,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGL164	CD Diagram:	CD0320	Mfg Plant:	
Mech. Spec:	35E007	Layout:	35LYE007	Poles:	04	Created Date:	10-01-2014
Base:	RG	Eff. Date:	07-01-2021	Leads:	6#18,1#16 #4TH		

Specs			
Catalog Number:	EL11310M	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	L
Frame:	56H	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Motor Letter Type:	Cap Start, Cap Run	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Output @ Frequency:	1.000 HP @ 60 HZ	Motor Lead Exit:	Ko Box
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Type:	3528LC
	230.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	86
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	CURUSEEV	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	4.500 A @ 230.0 V	Shaft Rotation:	Reversible

	9.000 A @ 115.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	L	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Manual Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	SB
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP3273L										
CAT.NO.	EL11310M									
SPEC.	35E007L164G2									
HP	1									
VOLTS	115/230									
AMP	9/4.5									
RPM	1755									
FRAME	56H				HZ	60			PH	1
SER.F.	1.15		CODE	L	DES	L		CL	F	
F.L. AVG. EFF.	82.6		PF	86						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6205				ODE	6203				
ENCL	OPEN		SN							

Parts List		
Part Number	Description	Quantity
SA287872	SA 35E007L164G2	1.000 EA
RA274075	RA 35E007L164G2	1.000 EA
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	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
35EP3209G00	MASTER ODE,203 BRG	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3210B00	MASTER DE,205 BRG,1.000SH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2200bx) 4/22	1.000 EA
NP3273L	ALUM SUPER-E THERMALLY PROTECTED	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 50383

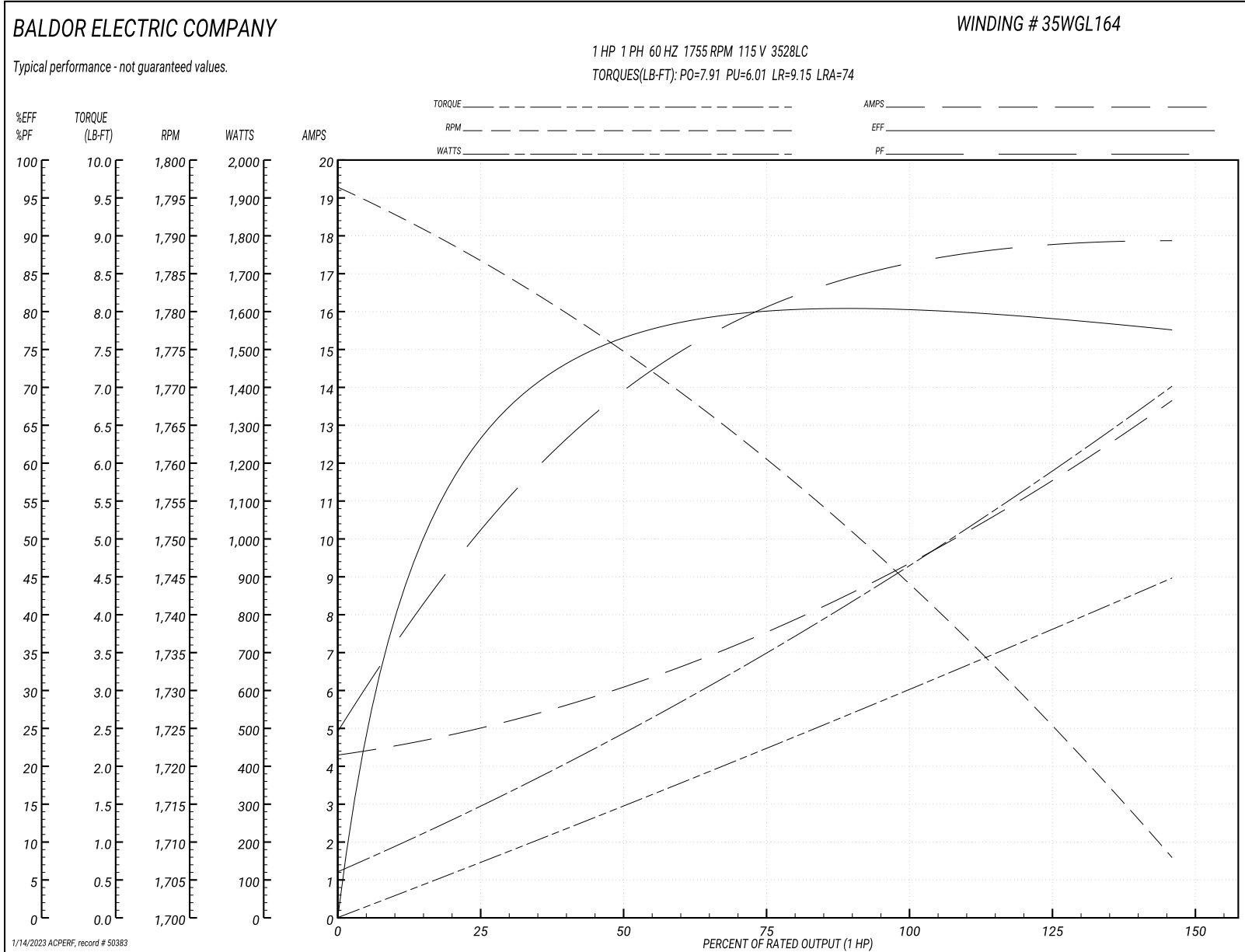
Typical performance - not guaranteed values

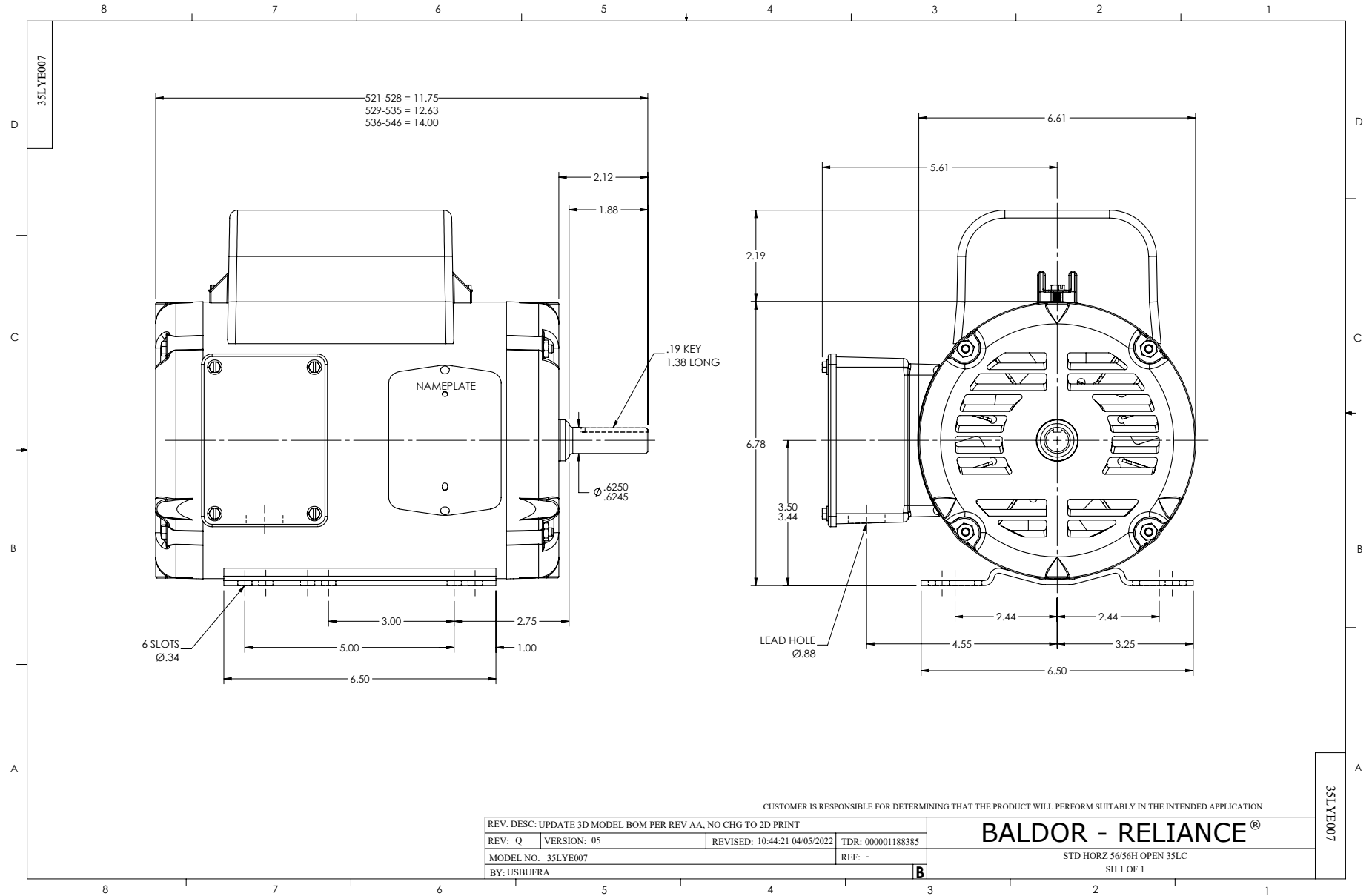
Winding: 35WGL164-R001		Type: 3528LC		Enclosure: OPEN	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)	1	Full Load Torque	2.99 LB-FT		
Volts	115/230	Start Configuration	direct on line		
Full Load Amps	9/4.5	Breakdown Torque	7.91 LB-FT		
R.P.M.	1755	Pull-up Torque	6.01 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	9.15 LB-FT	
NEMA Design Code	L	KVA Code	L	Starting Current	74 A
Service Factor (S.F.)	1.15	No-load Current	4.38 A		
NEMA Nom. Eff.	82.6	Power Factor	86	Line-line Res. @ 25°C	0.581 Ω A Ph 2.18 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	36°C	
S.F. Amps			Temp. Rise @ S.F. Load	43°C	
			Locked-rotor Power Factor	88.3	
			Rotor inertia	0.166 LB-FT ²	

Load Characteristics 115 V, 60 Hz, 1 HP

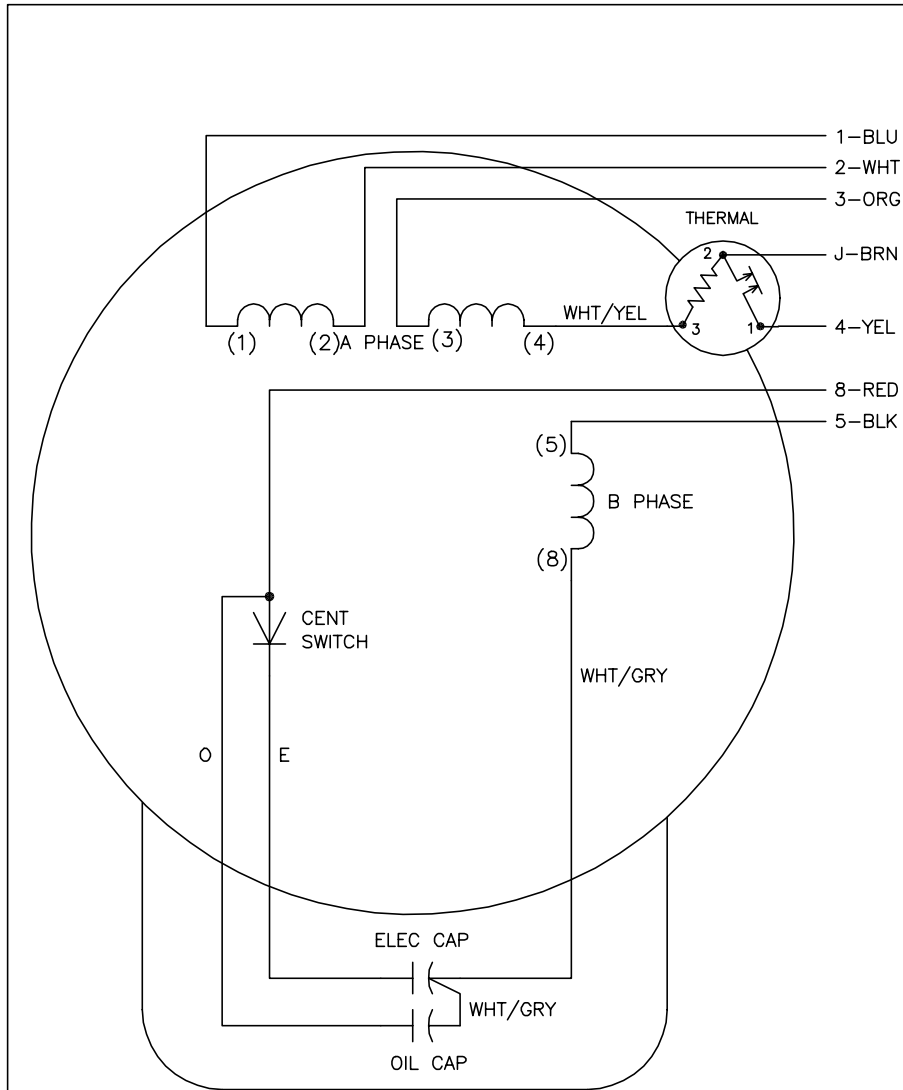
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	71	80	85	88	90	87
Efficiency	64	76.1	79.5	80.8	79.8	77.2	80.2
Speed	1786	1773	1761	1745	1728	1707	1735
Line amperes	4.94	6.04	7.62	9.34	11.4	13.6	10.6

Performance Graph at 115V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: -		

BALDOR

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

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