BALDOR • RELIANCE

Product Information Packet

ERM3157

2HP,1750RPM,3PH,60HZ,56H,3526M,OPEN,F1,N

Part Detail

Revision:	L	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	35WGM496	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	35F883	**Layout:**	35LYF883	**Poles:**	04	**Created Date:**	09-30-2014
Base:	RS	**Eff. Date:**	11-27-2018	**Leads:**	9#18		

Specs

Catalog Number:	ERM3157	**Insulation Class:**	F
Enclosure:	OPEN	**Inverter Code:**	Inverter Ready
Frame:	56H	**KVA Code:**	K
Frame Material:	Steel	**Lifting Lugs:**	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Exit:**	Terminal Panel
	230.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	208.0 V @ 60 HZ	**Motor Type:**	3526M
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	76
Agency Approvals:	C UR US ENERGY	**Product Family:**	General Purpose
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Ball
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	Resilient Mount
Base Indicator:	Resilient	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**RoHS Status:**	ROHS COMPLIANT
Current @ Voltage:	5.800 A @ 230.0 V	**Shaft Extension Location:**	Pulley End

	5.800 A @ 208.0 V
	2.900 A @ 460.0 V
Design Code:	B
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Terminal Panel
Front Shaft Indicator:	None
Heater Indicator:	No Heater

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	None
Winding Thermal 2:	None

Nameplate NP3155L

CAT.NO.	ERM3157								
SPEC.	35F883M496G1								
HP	2								
VOLTS	208-230/460								
AMP	5.8/2.9								
RPM	1750								
FRAME	56H		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	B	**CL**	F		
F.L. AVG. EFF.	86.5	**PF**	76						
RATING	40C AMB-CONT								
CC		**USABLE AT 208V**							
DE	6203	**ODE**	6203						
ENCL	OPEN	**SN**							

Parts List

Part Number	Description	Quantity
SA288811	SA 35F883M496G1	1.000 EA
RA274997	RA 35F883M496G1	1.000 EA
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 EA
LD5000A01	LEAD ASSY, ML1400DF14 7" RING TRM EA END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 EA
HW1003A10	WASHER, #10 EX TH LK, ZN X	2.000 EA
35EP3202A01	STD OPEN FR EP - RESILIENT MTD	1.000 EA
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3203A01	STD PU EP, OPEN RESIL MTG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
RM1000A02	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 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

Parts List (continued)

Part Number	Description	Quantity
SP1003A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
35BA4002B01	RESILIENT BASE, STAMPED	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

AC Induction Motor Performance Data
Record # 61971
Typical performance - not guaranteed values

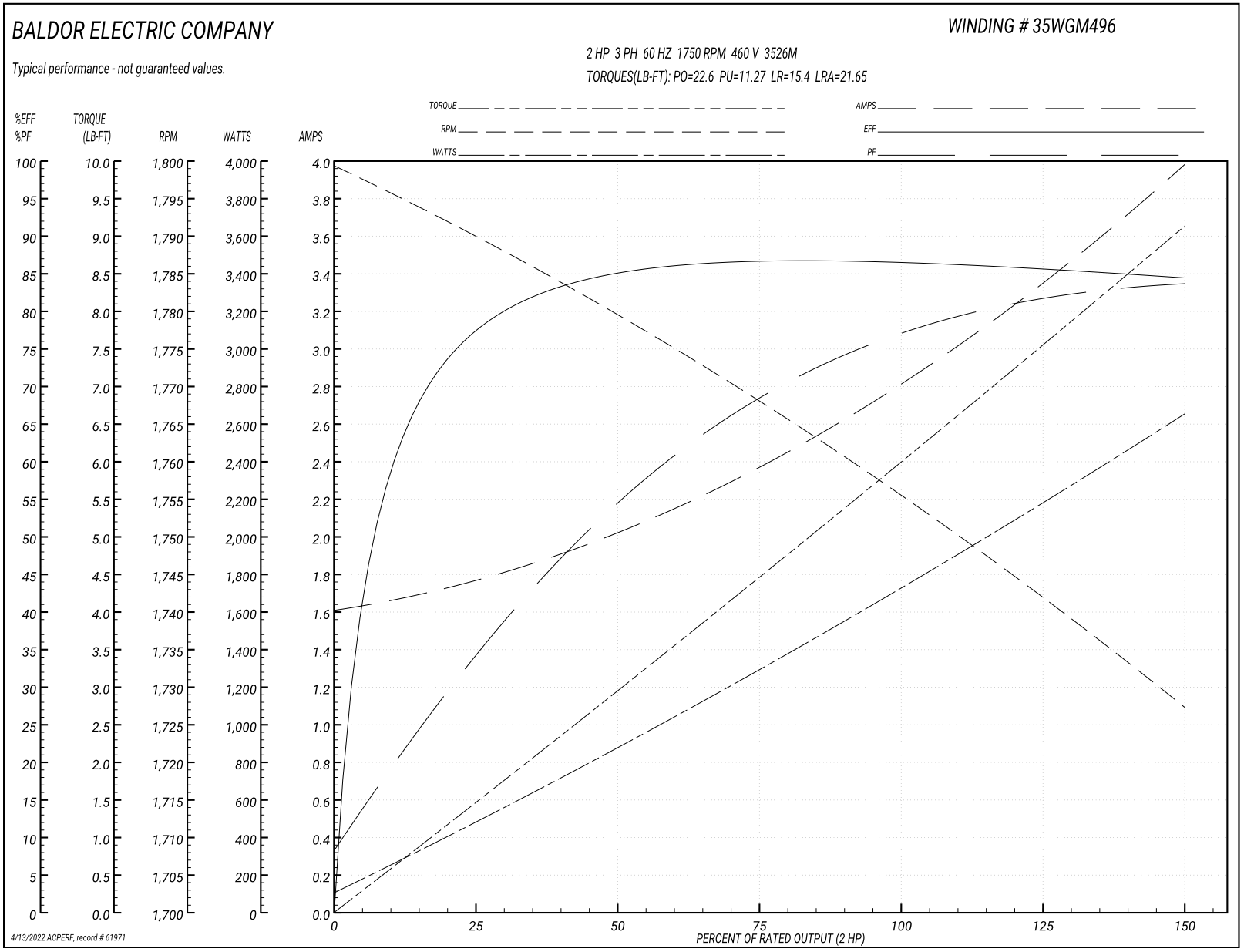
Winding: 35WGM496-R018	**Type:** 3526M	**Enclosure:** OPEN

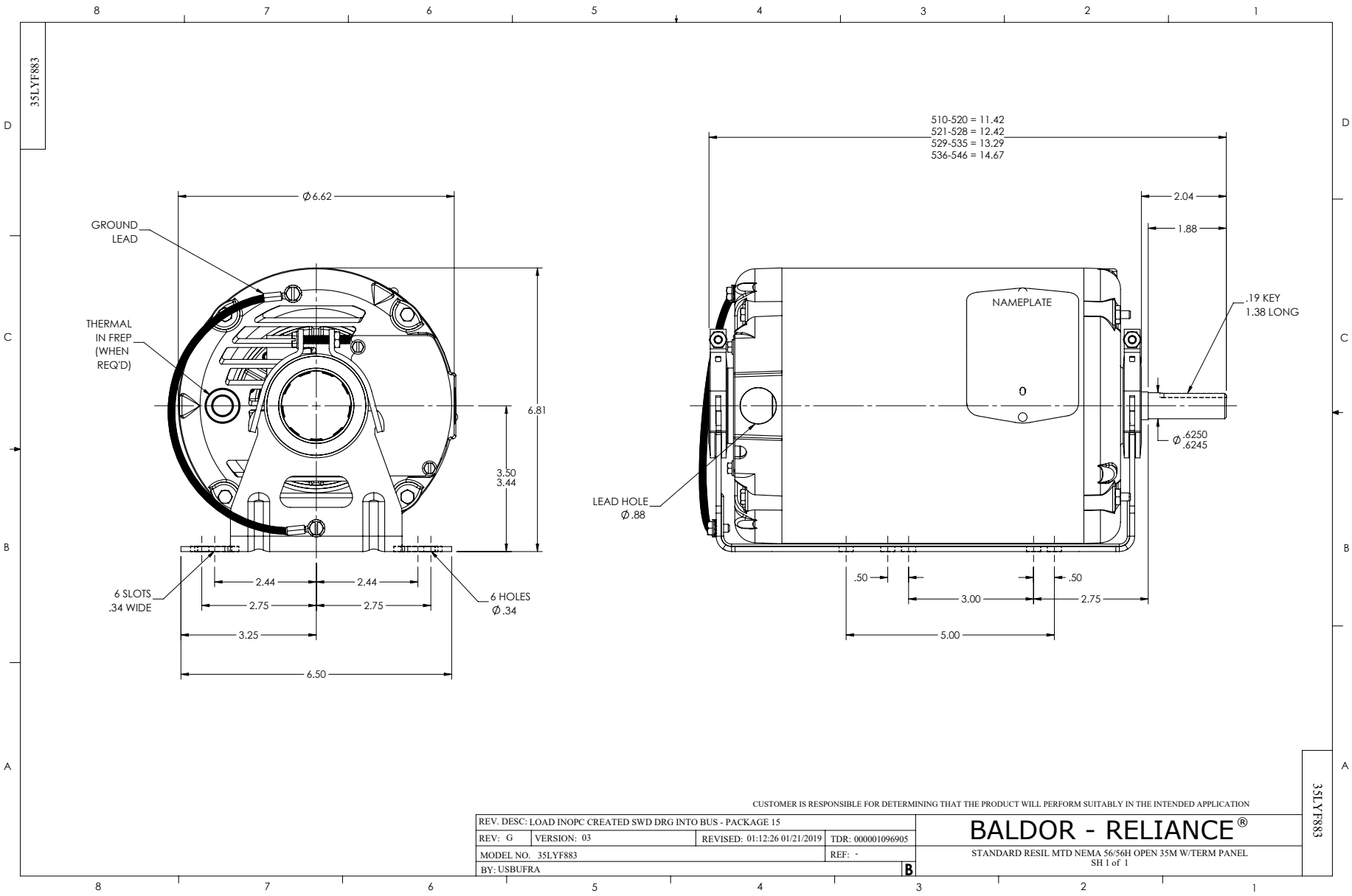
Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		2	**Full Load Torque**	6.02 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		5.8/2.9	**Breakdown Torque**	22.6 LB-FT
R.P.M.		1750	**Pull-up Torque**	11.27 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	15.4 LB-FT
NEMA Design Code	B **KVA Code**	K	**Starting Current**	21.65 A
Service Factor (S.F.)		1.15	**No-load Current**	1.63 A
NEMA Nom. Eff.	86.5 **Power Factor**	76	**Line-line Res. @ 25ºC**	8.22 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	38°C
S.F. Amps			**Temp. Rise @ S.F. Load**	46°C
			Locked-rotor Power Factor	52.4
			Rotor inertia	0.154 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

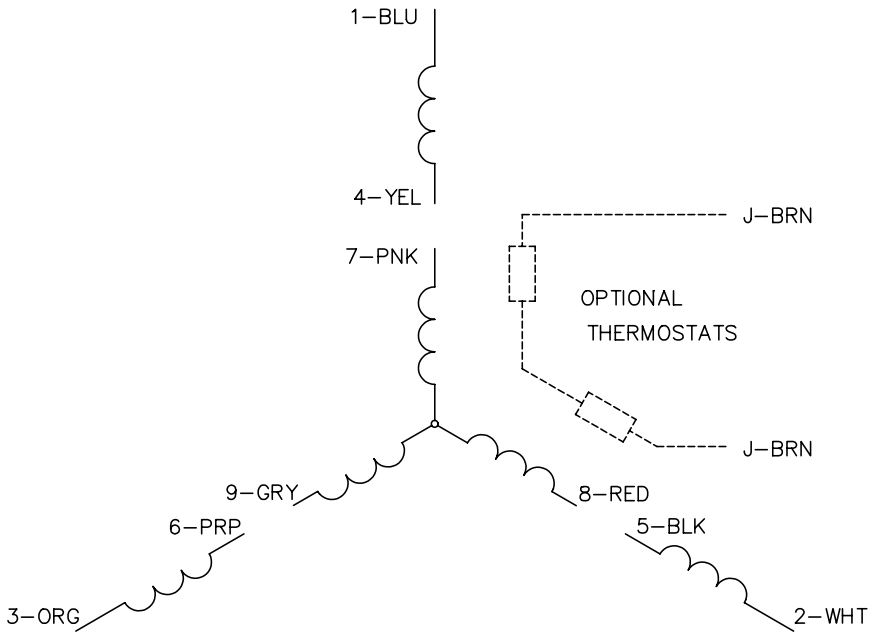
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	35	56	69	76	81	84	79
Efficiency	77	84.7	86.8	86.6	85.8	84.3	86.1
Speed	1789	1779	1768	1756	1742	1727	1748
Line amperes	1.75	2.01	2.37	2.85	3.37	3.96	3.16

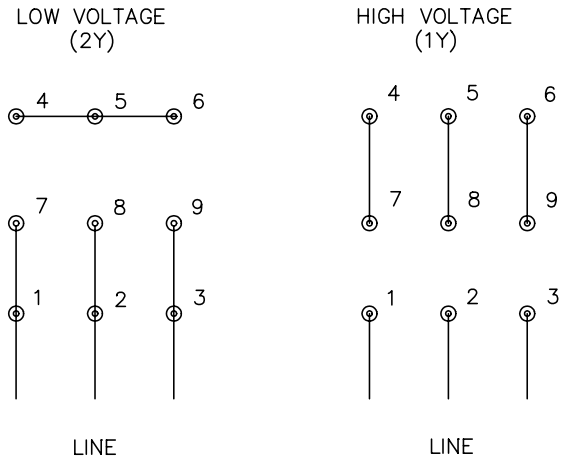
Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values




35LYF883
Ø 6.62
GROUND LEAD
THERMAL IN FREP (WHEN REQ'D)
6.81
3.50
3.44
6 SLOTS .34 WIDE
2.44
2.44
2.75
2.75
3.25
6.50
6 HOLES Ø .34
510-520 = 11.42
521-528 = 12.42
529-535 = 13.29
536-546 = 14.67
2.04
1.88
NAMEPLATE
.19 KEY
1.38 LONG
Ø .6250
.6245
LEAD HOLE Ø .88
.50
.50
3.00
2.75
5.00
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD INOPC CREATED SWD DRG INTO BUS - PACKAGE 15
REV: G
VERSION: 03
REVISED: 01:12:26 01/21/2019
TDR: 000001096905
MODEL NO. 35LYF883
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STANDARD RESIL MTD NEMA 56/56H OPEN 35M W/TERM PANEL
SH 1 of 1
35LYF883

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS