NOTES: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLE PER SHURflo PROCESS SPECIFICATIONS 99-0603, 99-0618 AND 99-0620.
2. ITEMS 9 THROUGH 11 AND ITEMS 14 AND 37 (PACKAGING) NOT SHOWN.
   ITEM 36 (LITERATURE) NOT SHOWN.
3. AFFIX ITEM 14 (ROHS LABEL) ON MASTER CARTON ADJACENT TO THE SHIPPING LABEL.
4. Label Criteria

Voltage 230 VAC	Open Flow GPM 0.95 US GPM	Serial Number N
Amperage 0.43 A MAX	Open Flow LPM 3.6 LPM	ROHS Label Y
Dph/Viv Matl	PSI/IN HG 100 PSI	Logo1 CE
Lbl Box Qty	Fuse 0.5	Logo2
Meter 70.4 METERS	Bar 0.69 MPa	Logo3
Hertz 50-60 Hz	Watts 99 W MAX	Logo4 PENTSHUR
	UPC Number	Logo5
		Logo6
Label Type 1 1088D	LT1 Item # CY19-390-00	
Label Type 2	LT2 Item #	
Label Type 3 1097	LT3 Item # CY19-294	
Label Type 4	LT4 Item #	
Label Type 5	LT5 Item #	
Label Type 6	LT6 Item #	

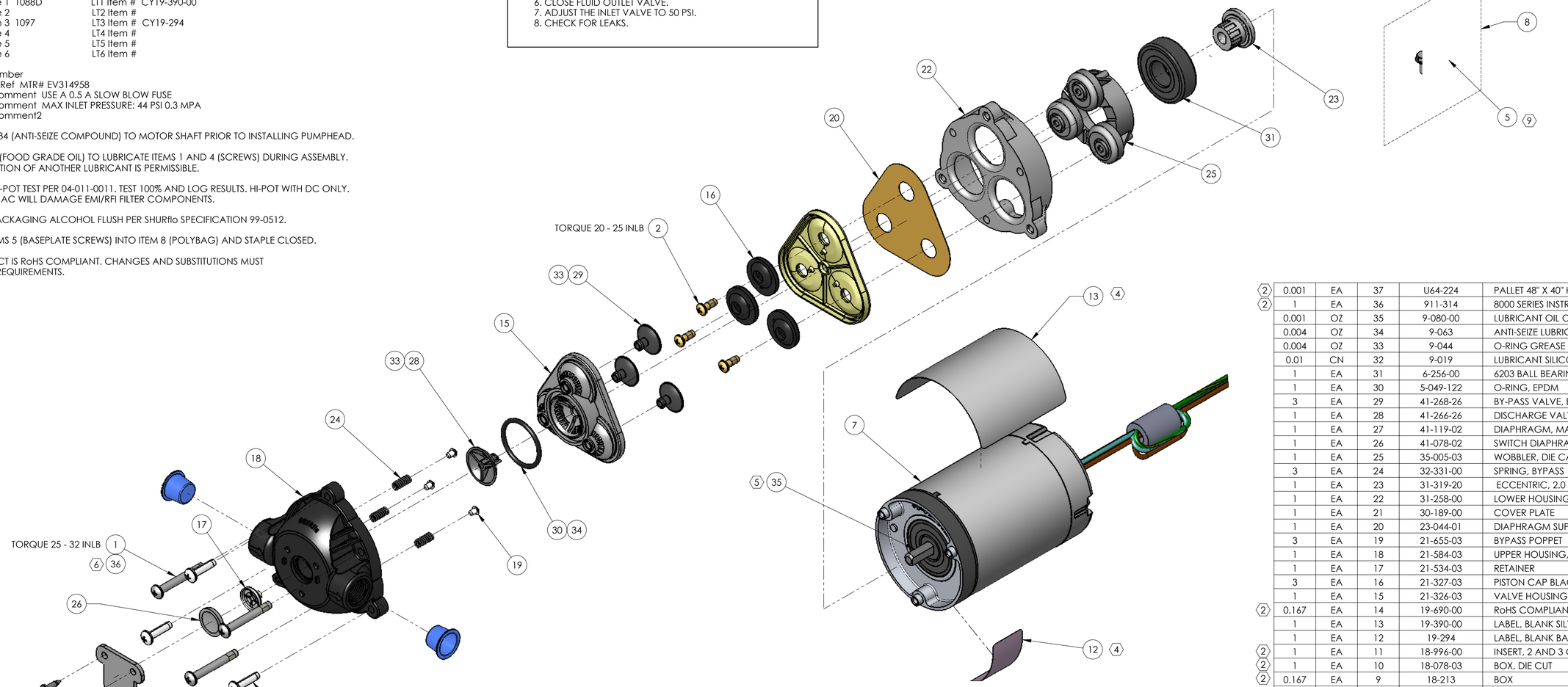
   I/C Ref Number
   Motor/GP Ref MTR# EV314958
   Fuse Lbl Comment USE A 0.5 A SLOW BLOW FUSE
   Misc Lbl Comment MAX INLET PRESSURE: 44 PSI 0.3 MPA
   Misc Lbl Comment2
5. APPLY ITEM 34 (ANTI-SEIZE COMPOUND) TO MOTOR SHAFT PRIOR TO INSTALLING PUMPHEAD.
6. USE ITEM 35 (FOOD GRADE OIL) TO LUBRICATE ITEMS 1 AND 4 (SCREWS) DURING ASSEMBLY.
   NO SUBSTITUTION OF ANOTHER LUBRICANT IS PERMISSIBLE.
7. GROUND/HI-POT TEST PER 04-011-0011. TEST 100% AND LOG RESULTS. HI-POT WITH DC ONLY.
   HI-POT WITH AC WILL DAMAGE EMI/RFI FILTER COMPONENTS.
8. PRIOR TO PACKAGING ALCOHOL FLUSH PER SHURflo SPECIFICATION 99-0512.
9. PLACE 2 ITEMS 5 (BASEPLATE SCREWS) INTO ITEM 8 (POLYBAG) AND STAPLE CLOSED.
10. THIS PRODUCT IS RoHS COMPLIANT. CHANGES AND SUBSTITUTIONS MUST
    MEET RoHS REQUIREMENTS.

TEST CRITERIA:
- VOLTAGE ..... 230 VAC
- MAXIMUM AMPs 0.45
- PRESSURE ..... 80 PSI
- MINIMUM FLOW ..... 0.45 GPM
- SHUTOFF PRESSURE ..... N/A
- SHUTOFF DIFFERENTIAL .... N/A

REMARKS:
LEAK TEST:
1. TURN OFF TEST POWER AND LEAVE PUMP ON TEST FIXTURE.
2. UNPLUG THE POWER CORD OF THE PUMP.
3. TURN ON TEST POWER.
4. TURN ON HIGH PRESSURE.
5. OPEN FLUID INLET VALVE.
6. CLOSE FLUID OUTLET VALVE.
7. ADJUST THE INLET VALVE TO 50 PSI.
8. CHECK FOR LEAKS.

REVISION HISTORY

REV	DESCRIPTION	DATE	BY	CHECKED
A	SEE ECN E-3423	02/08/16	JCR	JCR
B	CHANGE MOTOR TO EV314958, SEE ECN E-3847	01/10/17	DSS	BB
C	E-4145 UPDATE PACKAGING	04/06/18	JCR	JCR
D	PCO-252788 REPLACE 1-273-10 WITH 1-274-10	11/05/19	JCR	JCR



QTY	UNITS	ITEM NO.	PART NUMBER	DESCRIPTION
2	0.001	EA	37	U64-224	PALLET 48" X 40" HARDWOOD
2	1	EA	36	911-314	8000 SERIES INSTRUCTION MANUAL
	0.001	OZ	35	9-080-00	LUBRICANT OIL O-RING
	0.004	OZ	34	9-063	ANTI-SEIZE LUBRICANT COMPOUND
	0.004	OZ	33	9-044	O-RING GREASE
	0.01	CN	32	9-019	LUBRICANT SILICONE 12OZ
	1	EA	31	6-256-00	6203 BALL BEARING, SINGLE ROW
	1	EA	30	5-049-122	O-RING, EPDM
	3	EA	29	41-268-26	BY-PASS VALVE, EPDM
	1	EA	28	41-266-26	DISCHARGE VALVE, EPDM
	1	EA	27	41-119-02	DIAPHRAGM, MAIN
	1	EA	26	41-078-02	SWITCH DIAPHRAGM EU
	1	EA	25	35-005-03	WOBBLER, DIE CAST
	3	EA	24	32-331-00	SPRING, BYPASS 100 PSI
	1	EA	23	31-319-20	ECCENTRIC, 2.0
	1	EA	22	31-258-00	LOWER HOUSING
	1	EA	21	30-189-00	COVER PLATE
	1	EA	20	23-044-01	DIAPHRAGM SUPPORT
	3	EA	19	21-655-03	BYPASS POPPET
	1	EA	18	21-584-03	UPPER HOUSING, 2 GPM NYLON
	1	EA	17	21-534-03	RETAINER
	3	EA	16	21-327-03	PISTON CAP BLACK
	1	EA	15	21-326-03	VALVE HOUSING BLACK NYLON
2	0.167	EA	14	19-690-00	RoHS COMPLIANT LABEL
	1	EA	13	19-390-00	LABEL, BLANK SILVER
	1	EA	12	19-294	LABEL, BLANK BAR-CODE
2	1	EA	11	18-996-00	INSERT, 2 AND 3 GPM PUMPS
2	1	EA	10	18-078-03	BOX, DIE CUT
2	0.167	EA	9	18-213	BOX
	1	EA	8	18-069	POLYBAG, 3 X 4
B	1	EA	7	EV314958	MOTOR 230 VAC, PAINTED
	2	EA	6	10-261	CAP, TAPERED PLUG
D	2	EA	5	1-274-10	SCR, #10-24 TYPE TAPTITE X .375
	3	EA	4	1-242-01	SCR, #10-32 TYPE TAPTITE X .75
	3	EA	3	1-210-01	SCREW #6-20AB X .50PHPL SS
	3	EA	2	1-202-01	SCR, #8-32 UNC-2A X .437
	3	EA	1	1-189	SCR, #10-32 UNRF-2A X 1.50

LIST OF MATERIALS / PARTS LIST

FOR ADDITIONAL DOCUMENT REQUIREMENTS
SEE SHURflo SPECIFICATION NO. 99-0867

STANDARD SHURFLO SYMBOLS
- C INDICATES CRITICAL TO FORM, FIT, OR FUNCTION.
- X.XXX INDICATES AN INSPECTION DIMENSION.
- X.XXXXXX INDICATES AN ORIGINAL DESIGN DIMENSION AND TOLERANCE. THE DESIGN DIMENSION WILL BE REVERTED TO IF NEW TOOLING IS CREATED OR IF THE EXISTING TOOLING IS REWORKED IN THIS AREA.
- XX INDICATES A FLAGGED NOTE.
- B INDICATES LOCATION AND REVISION LEVEL OF A CHANGE.

NOTICE: THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY SHURflo LLC. AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC PURPOSE, AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON, OR TO INCORPORATE IN OTHER PROJECTS ANY FEATURE UNIQUE TO THIS DESIGN. ANY AVAILABLE RIGHTS HERETO ARE EXPRESSLY RESERVED. THIS DRAWING SHALL BE RETURNED TO SHURflo LLC UPON REQUEST.

MATERIAL: FINISH:

TOLERANCES: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AT 68°F
FILLET RADII .010 TO .030. BREAK CORNERS R.005-.015 OR CHAMFER.
SURFACE FINISH 125 MICRO IN PER ANSI B46.1.
ANGLES ± 0.5°, FRACTIONS ± 1/32 (LINEAR SEE BELOW)

DECIMAL PLACES	ALLOWANCE
.X	±.030
.XX	±.010
.XXX	±.005
.XXXX	±.001

DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN BY: JCR	10/07/14
DESIGN ENG.:	--/--/--
DESIGNER:	--/--/--
CHECKED BY: JCR	10/17/14
PRELIMINARY DESIGN NUMBER:	

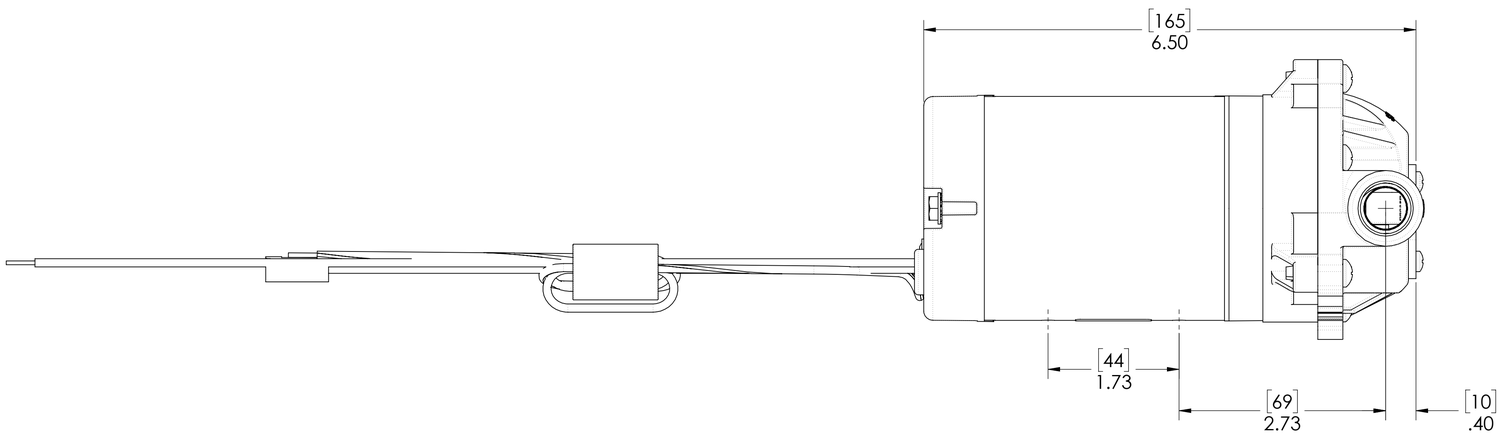
SHURflo® 5900 Katella Ave. Cypress, CA 90630
FIRST IN FLUID INNOVATION

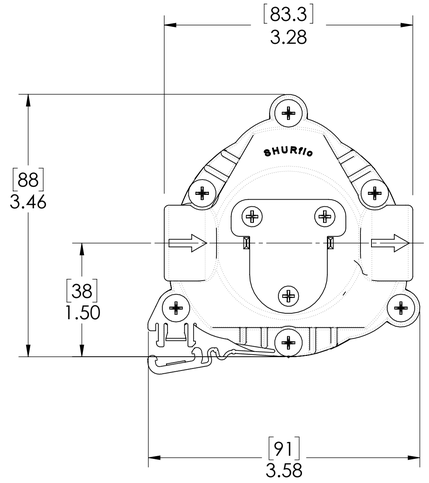
TITLE: ASSY DWG 8095-951-299-BW
PUMP 230V 100 PSI BYPASS CE N/E/T

SIZE D | PART NUMBER: 8095-951-299-BW | REV: D

SCALE: NTS | PART FILENAME: 8095-951-299-BW | SHEET 1 OF 2

REVISION HISTORY				
REV	DESCRIPTION	DATE	BY	CHECKED
	SEE SHEET 1			





ALL DIMENSIONS ARE FOR REFERENCE ONLY

FOR ADDITIONAL DOCUMENT REQUIREMENTS
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ANGLES ± 0.5°, FRACTIONS ± 1/32 (LINEAR SEE BELOW)

DECIMAL PLACES	ALLOWANCE
.X	±.030
.XX	±.010
.XXX	±.005
.XXXX	±.001

DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN BY: JCR	10/07/14
DESIGN ENG.:	--/--/--
DESIGNER:	--/--/--
CHECKED BY: JCR	10/17/14

PRELIMINARY DESIGN NUMBER:

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FIRST IN FLUID INNOVATION

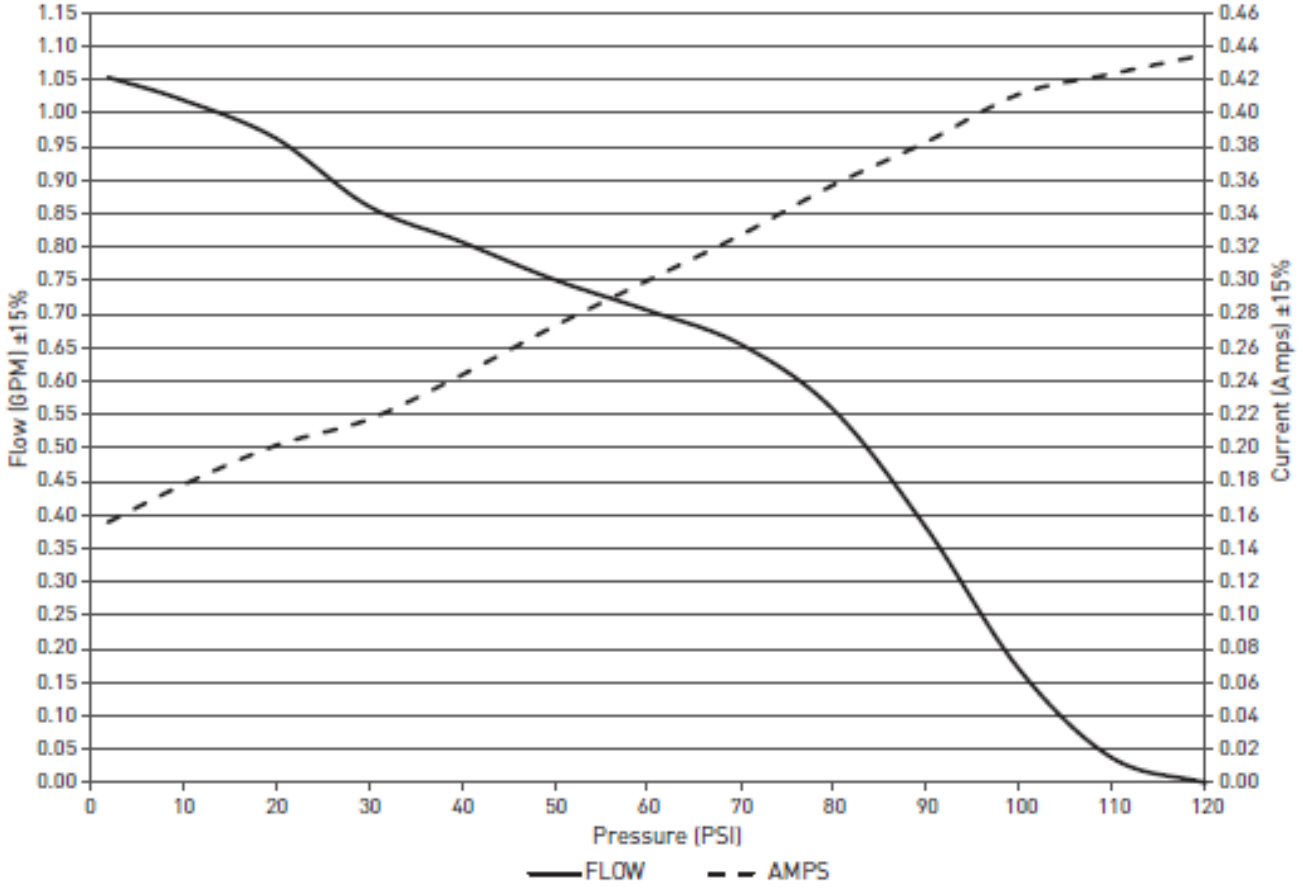
TITLE: **ASSY DWG 8095-951-299-BW**
PUMP 230V 100 PSI BYPASS CE N/E/T

SIZE **D** | PART NUMBER: **8095-951-299-BW** | REV: **D**

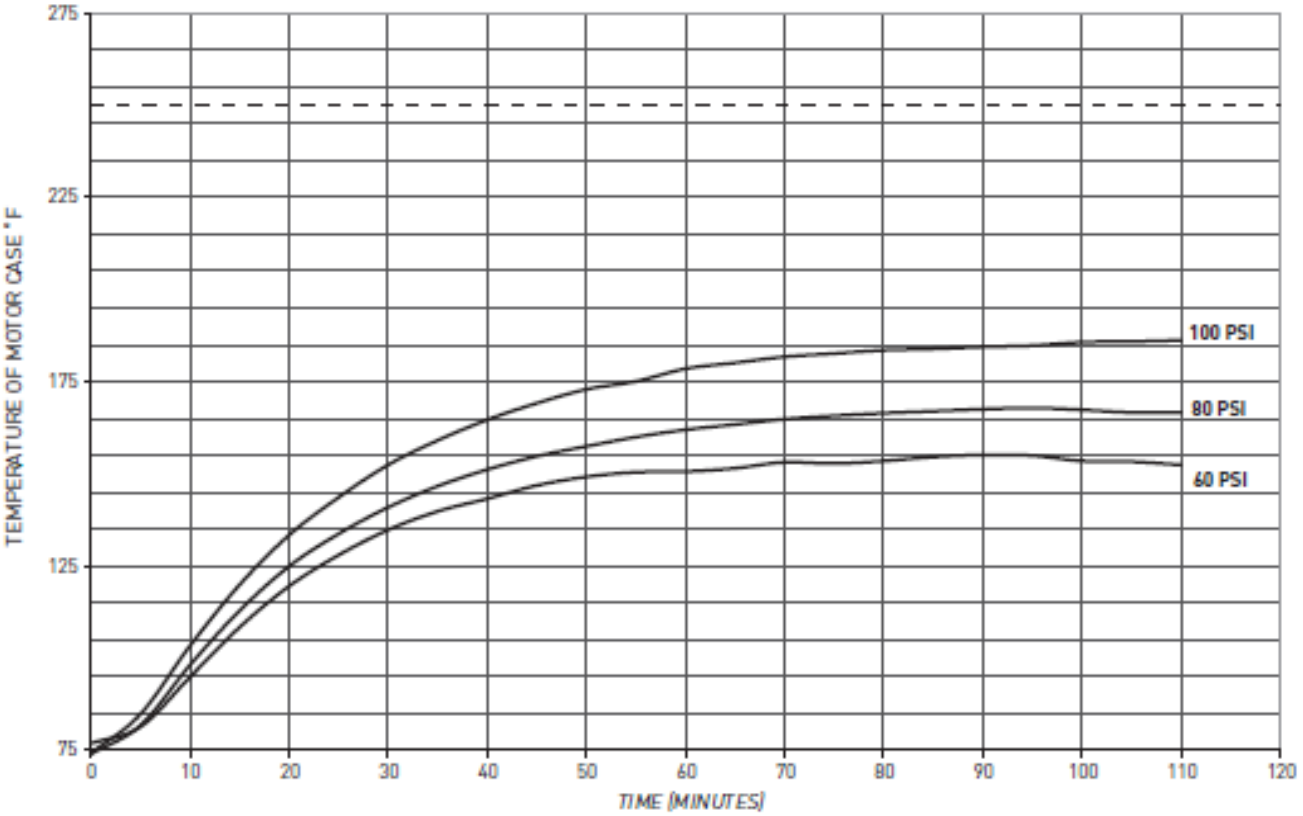
SCALE: NTS | PART FILENAME: **8095-951-299-BW** | SHEET 2 OF 2

PERFORMANCE

Typical Performance of Model 8095-951-299



TEMPERATURE RISE



This graph is for use as a design guide. It is based on running continuously with an ambient temperature of 70°F (21.1°C) in still air. The thermal breaker will open when the case temperature reaches 250°F (120°C).

– – – – – – TRIP POINT OF THERMAL PROTECTOR