

KOMLINE-SANDERSON
ENGINEERING CORPORATION
Peapack, New Jersey

Certified Specification
 Preliminary Specification

KSEC Ref. No.
I-866

Equipment: Packaged Vacuum Assembly

No. Assemblies: Two (2)

Ref. Dwg's. P0835-00000DA, SIHG2297

Qty

Cust. P. O. No.:

Rev.

VACUUM PUMP ASSEMBLY-

Vacuum Pump-

Manufacturer: Sihi
Model: 70530
CFM: 640 at 20 "Hg. Vacuum
RPM: 940

Motor-

Manufacturer: Duty-Master (Reliance)
HP: 40
RPM: 1750
Enclosure: Explosion-proof (class I, group D, division 1) with 1.15 SF

V-Belt Drive-

Drive Sheave: 7.1 "O. D., 3 Groove (s)
Driven Sheave: 13.2 "O. D., 3 Groove (s)
Belts-
Number: 1
Size: 5V1120

Guard-

Material: Carbon Steel

| | | | | |
|------|---|---|---|---|
| Rev. | A | B | C | D |
| Date | | | | |
| By | | | | |

PGV-1165

Date: 6/16/78

By: RJM

Pg 29 of 35

PUMP MODEL LPHA 70930 UN061424 A PUMP STR.NO. 901713
 SECTION DRAWING : 11.900144.01
 AUX. SECT'N DWG.

| ITEM | SPARES | DESCRIPTION | QTY | STR.NO. | Page 2 of 2 |
|---------|--------|---------------------|-----|--------------|-------------|
| 223 | | BEARING RETAINER | 1 | 200272 | |
| 230 | ++ | BEARING | 1 | 500112 | |
| 231 | ** | BEARING | 1 | 700173 | |
| 232 | ++ | BEARING SLEEVE | 1 | 500125 | |
| 233 | | BRG. WITHDRAWAL NUT | 1 | 500113 | |
| 256 | | KEY | 2 | 017100028101 | |
| 257/258 | | KEY | 2 | 017119070101 | |
| 260 | | SPACER | 1 | 200309 | |
| 270 | + | SHAFT SLEEVE | 2 | 700635 | |
| 288 | | SHAFT NUT | 2 | 200782 | |
| 292 | | LOCKWASHER | 2 | 500249 | |
| 295 | | GREASE FITTING | 2 | 500007 | |
| 300 | | STUFFING BOX FLANGE | 2 | 700687 | |
| 320 | | GLAND | 2 | 200794 | |
| 340 | | ORIFICE PLATE ASSY | 1 | 700009 | |
| 341 | * | BOTTOM PLATE | 1 | 200811 | |
| 342 | x | TOP PLATE | 1 | 200812 | |
| 343 | x | GASKET | 2 | 500345 | |
| 344 | x | ORIFICE BALL | 10 | 500369 | |
| 345 | x | SPACER RING | 4 | 200813 | |
| 347 | | ORIFICE PLATE ASSY | 1 | 700610 | |
| 348 | *x | BOTTOM PLATE | 1 | 200814 | |
| 349 | x | TOP PLATE | 1 | 200815 | |
| 400 | ** | PACKING | 1 | 500114 | |
| 402 | | NECK RING | 2 | 200795 | |
| 404 | | LANTERN RING | 2 | 200796 | |

NOTES: x Not shown on section Drawing.
 + Suggested spare parts for distributor stocking.
 * Minimum recommended on site spare parts.
 ** Supplied for shipping & installation protection only.

When ordering parts please state:
 Pump, serial, item & stock number.

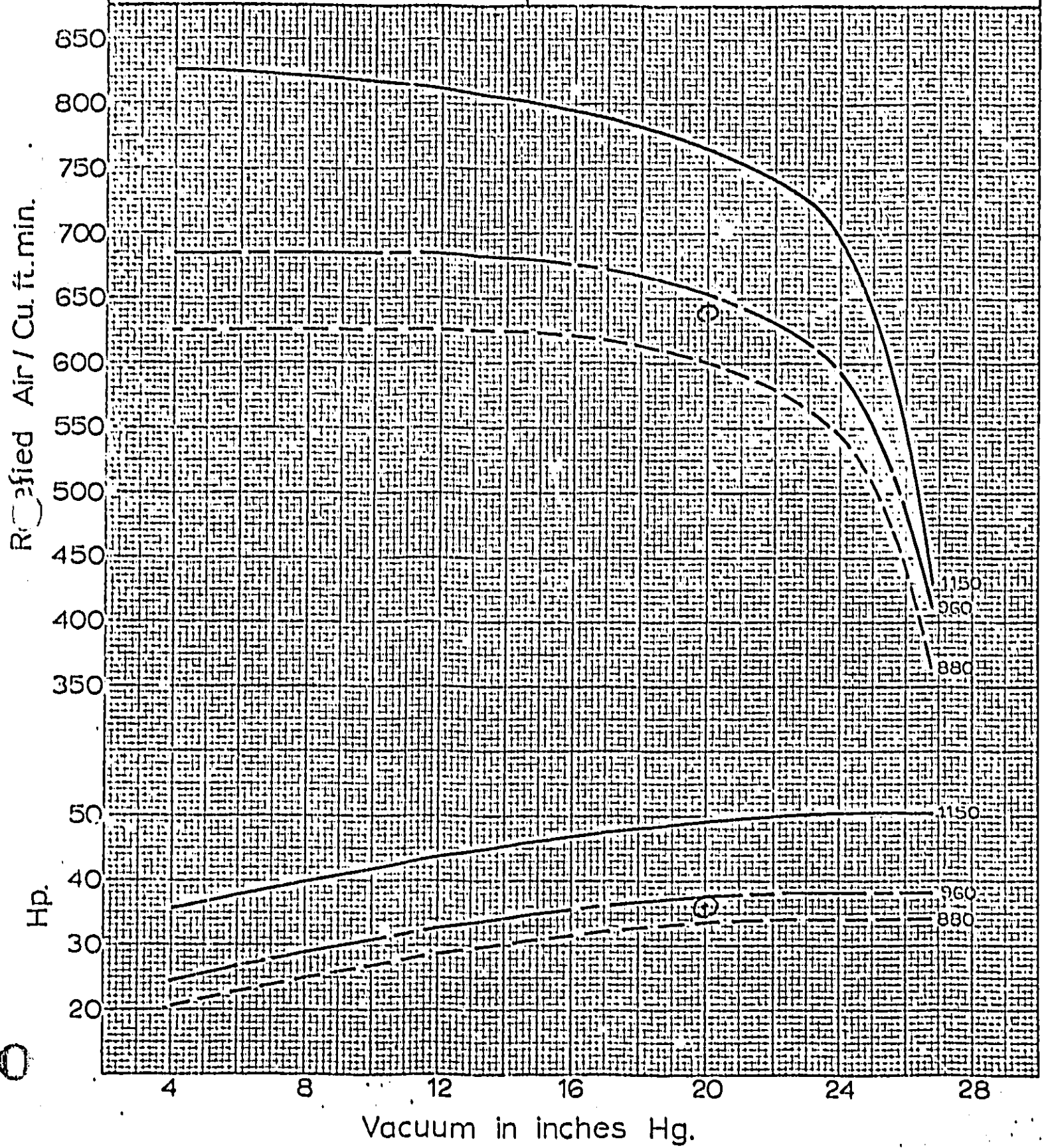
Δ includes Items: 205, 206, 256, 257, 258, 288 & 292.

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| | | | | |
|----------------------------|-------------|-----------------|-----------------------------|------|
| REVISIONS 139.78;139.78 | DRAWN CS | DATE A/13/78 | DRAWING NO. 31.901713.03 | SIHI |
| | CHECKED | SCALE | PGV-1165 | |

Barometric Pressure: 14.7 P.S.I.A.
 Service Liquid, Water at 60°F
 Specific Gravity _____
 Viscosity _____ SSU
 Tolerance _____ %
 Date 21 JUNE 72
 Drawn D.N.G. Chkd. D.J.K.

Pump model LPHA 70530 BN
 Serial Number _____
 Pump Speed VARIOUS R.P.M.



SIHI PUMPS

JOB NO. I-8666

PGV-1165

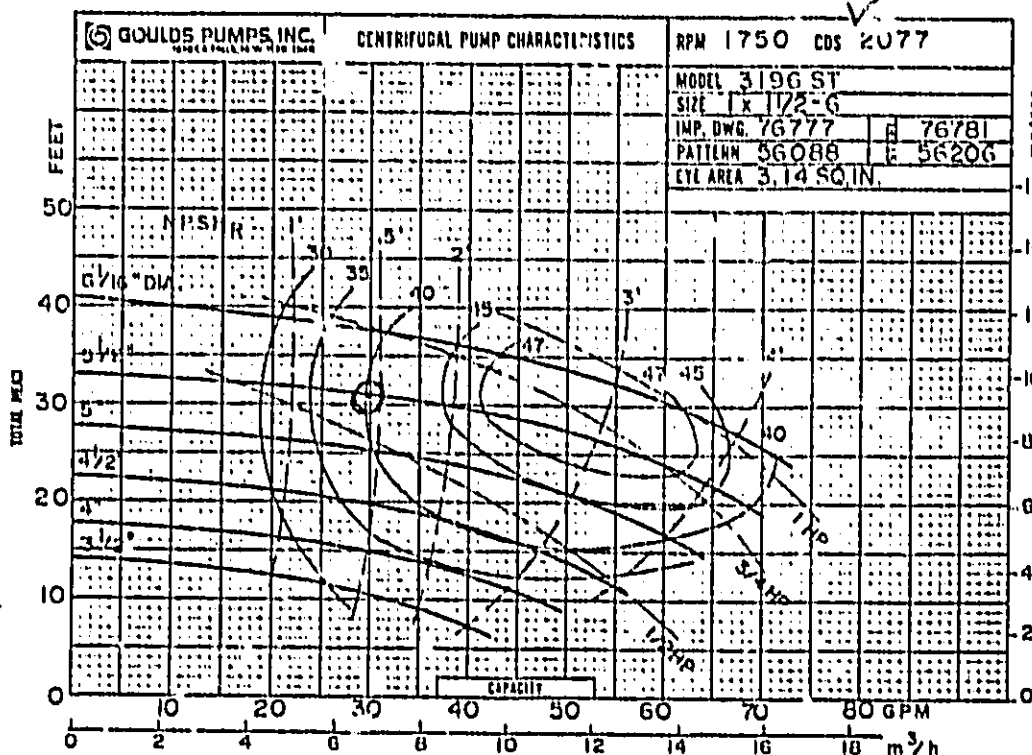
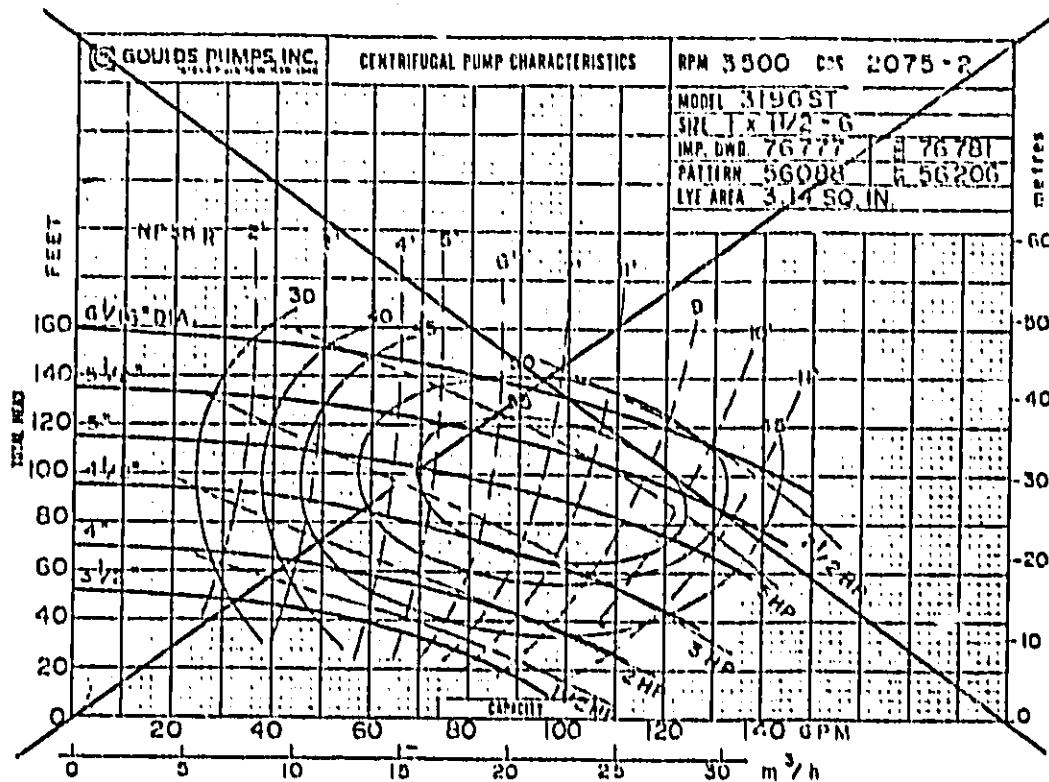
G 2297

Goulds Model 3196 ST 60 Hz Performance Curves

725.1C1

June 2, 1976
(Sup. 8/4/72)

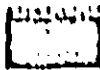
Customer _____ Inquiry No. _____ Date _____
 Service _____ Item No. _____ P.O. No. _____ Date _____
 F.O. No. _____ GPM _____ TDH _____ RPM _____ % Eff. CDS No. _____



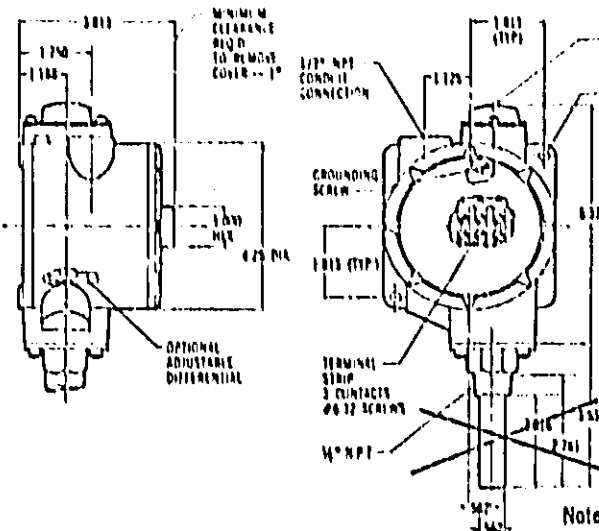
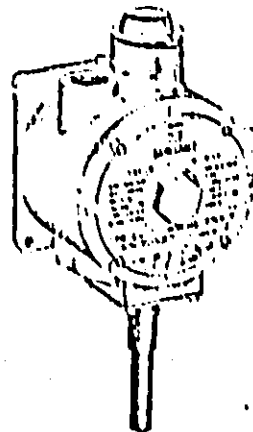
JOB NO. I-866

RECYCLE PUMP

PCB-23001

**LIX Description:**

Single Setting
Local Mount
Explosion Proof Housing (NEMA 7, 9)
Designed for Hazardous Locations:
Class I, Group B, C, and D.
Class II, Group E, F, and G.
Class III
Enclosed Terminal Strip
Tamperproof External Adjustment



ADJUSTMENT
COVER
(REMOVE TO ADJUST)
25/32 DIA.
MINIMUM
HOLE (1/2\"/>

UNITS WITH THERMOWELLS

1/2\"/>

1/2\"/>

Note:

Units tabulated below do not have thermowells and cannot be field adapted for use with thermowells. When ordering units with thermowell

add suffix below
to 'Catalog Number'

Wall Material

→ -W
-WS ←

Brass
316 Stainless Steel ←

TWO (2) REQ'D.

OPERATING CHARACTERISTICS • ORDERING DATA

| | Media Temperature Limits (Proof) | | | | Adjustable Range | | | | Differential (Approx.) Liquid* | | Catalog Numbers | |
|----------------------------|---------------------------------------|------|-----|------|------------------|------|-----|------|--------------------------------|----|-----------------|---------------------|
| | °F | | °C | | °F | | °C | | °F | °C | Brass | 316 Stainless Steel |
| | Low | High | Low | High | Low | High | Low | High | | | | |
| CALIBRATED DIAL ADJUSTMENT | Non-calibrated Full Range Adjustment | | | | | | | | | | | |
| | Calibrated 2° Subdivision 125° Span | | | | | | | | | | | |
| | Calibrated 5° Subdivision 150° Span | | | | | | | | | | | |
| | Calibrated 10° Subdivision 300° Span | | | | | | | | | | | |
| | Calibrated 5° Subdivision 250° Span | | | | | | | | | | | |
| | Calibrated 10° Subdivision 300° Span | | | | | | | | | | | |
| | Calibrated 15° Subdivision 450° Span | | | | | | | | | | | |
| | Calibrated 20° Subdivision 600° Span | | | | | | | | | | | |
| | Calibrated 25° Subdivision 750° Span | | | | | | | | | | | |
| | Calibrated 30° Subdivision 900° Span | | | | | | | | | | | |
| | Calibrated 35° Subdivision 1050° Span | | | | | | | | | | | |
| | Calibrated 40° Subdivision 1200° Span | | | | | | | | | | | |

*Differential for Gaseous Media will be approximately double the values given for Liquid.

Approx. Shipping Weight 4 lbs.

DETAIL DATA

ELECTRICAL CHARACTERISTICS: All models incorporate Underwriters' Laboratories, Inc. listed single pole double throw snap-action switching elements. Electrical rating (continuous inductive) 10 amps 125 or 250 volts AC, 3 amps 480 volts AC. Automatically reset by snap-action of switch. For more details and other switch classes, see page 18.

ELECTRICAL CONNECTION: Screw terminals on covered terminal strip through 1/2" npt conduit connection.

TERMINALS IDENTIFIED:

C (Common), N.C. (Normally Closed), N.O. (Normally Open).

WIRE CODING:

Purple (Common), Blue (Normally Closed), Red (Normally Open).

ADJUSTMENT INSTRUCTIONS:

Turn adjustment screw clockwise to increase actuation point (switch setting).



All models on this page have the following U.L. and C.S.A. listings. Underwriters' Laboratories, Inc. Temperature Indicating and regulating equipment, for use in hazardous locations, Class I, groups B, C and D; Class II, groups E, F and G. File No. E58658, Guide No. XBDV.

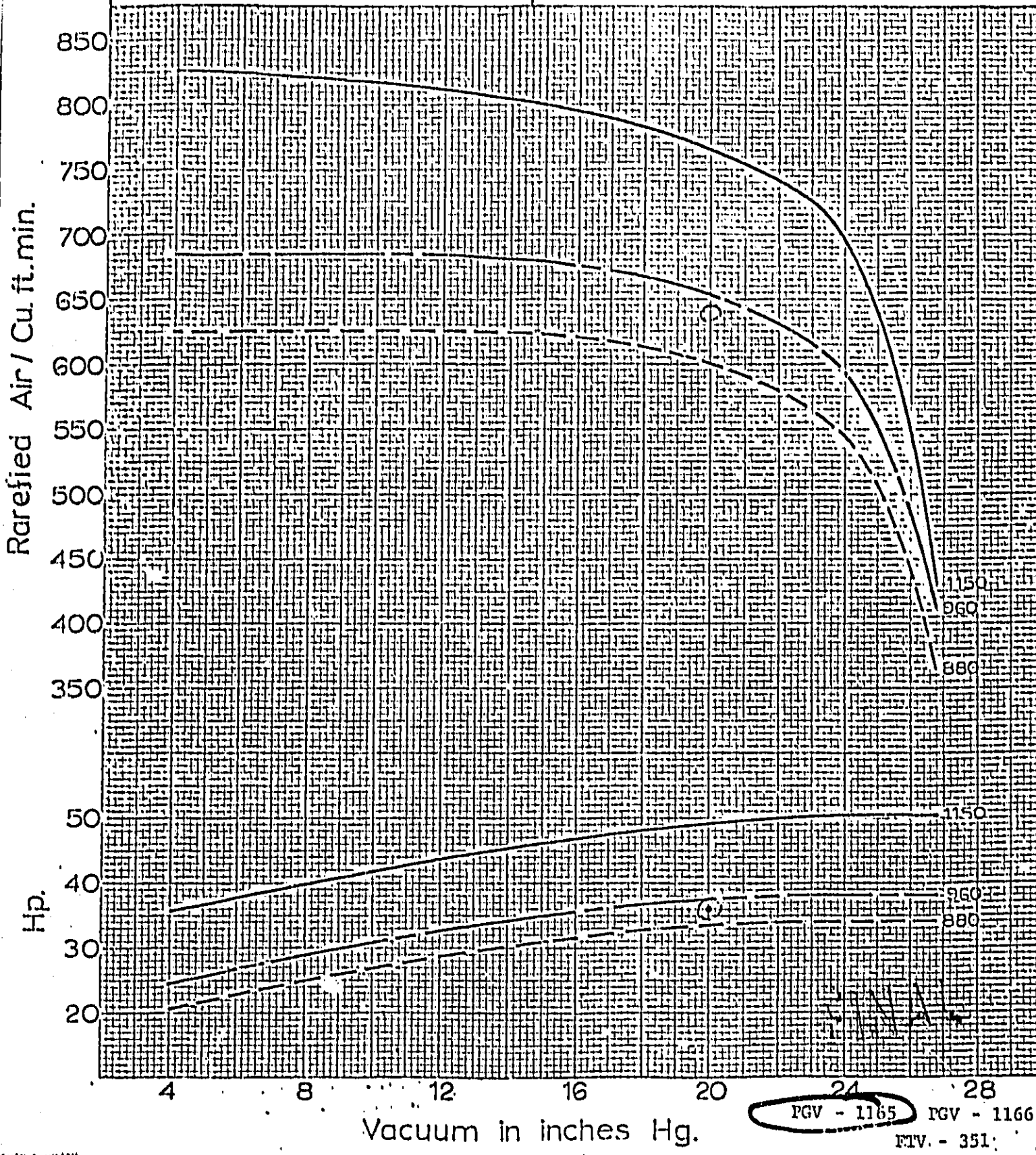
Canadian Standards Association. Temperature Indicating and regulating equipment, for use in hazardous locations, Class I, groups B, C and D; Class II, groups E, F and G; Class III. File No. LR34556-1. Guide No. 400-E-0.8. Class 4868.

JOB NO. I-866

PGV-1165

Barometric Pressure: 14.7 P.S.I.A.
 Service Liquid, Water at 60°F
 Specific Gravity _____
 Viscosity _____ SSU
 Tolerance _____ %
 Date 21 JUNE 72
 Drawn D.N.G. Chkd. D.J.K.

Pump model LPHA 70530 BN
 Serial Number _____
 Pump Speed VARIOUS R.P.M.
 E646745H
 113 - 6221



FTV-351

KOMLINE SANDERSON ADPEC FILTER SIZE # 1M x 6.5M
AND RELATED EQUIPMENT

| CODE | DESCRIPTION |
|-----------|-------------------------------------|
| PCB-795 | FILTRATE PUMP |
| MOC-2188 | " " MOTOR |
| PCB-796 | " " |
| MOC-2189 | " " MOTOR |
| XTB-544 | VACUUM RECEIVER 24" DIA. x 48" HIGH |
| XTB-545 | " " 30" DIA. x 60 HIGH |
| PGV-1165 | VACUUM PUMP |
| MOG-60 | " " MOTOR |
| PGV-1166 | " " |
| MOG-23000 | " " MOTOR |
| PCB-807 | RECYCLE PUMP |
| MOB-2750 | " " MOTOR |
| PCB-23001 | " " |
| MOB-23001 | " " MOTOR |
| HEX-3704 | AMERICAN STD. HEAT EXCHANGER |
| HEX-23001 | " " " " |
| EPE-2598 | CONTROL PANEL |
| SEP-297 | SEPARATOR |
| SEP-23000 | " |
| AMO-23000 | GAST AIR MOTOR |
| DRP-23000 | SM CYCLO DRIVE |