



Enviro-Equipment Inc.
Remediation Division
10120 Industrial Drive
Pineville NC 28134
704 556 7723

S/N: EEI-1207

Date: 6/17/2010

Status: In Stock, Tested

Dimensions: 28" x 37" x 64" Tall, 360Lbs, Cord Length 18'

Description: Roots 22 Blower Package – Air Sparge or Soil Vapor Extraction

Components:

- Roots URAI 22 Blower
 - o Serial 008912649
- Baldor Electric Motor
 - o 3HP, 3450RPM, 115/230V, 29/14.5 Amp, 1PH, 60HZ
 - o 184T Frame, Class B, Cont. Duty, Code G, AMB 40C, EXPLOSION PROOF
 - o Model AA750410, Serial 36N01-201, Cat# L5028T
 - o Belt is Napa 4L470 or 1406MX
 - o Motor Pulley is 4.25" Diameter, Blower Pulley is 3" Diameter
 - o Shaft Center to Center Measures 18", Actual RPM is 4887
- Air Filter Housing
 - o Solberg Replacement Element # 30P
- 1" Exhaust Silencer
- Kunkle Valve 912BFEM01, Set at 14" HG
- 3/4" Pressure Relief Valve
- 0-30" HG Vacuum Gauge
- 0-30 PSI Pressure Gauge
- 3/8" Diameter Ball Valve Anemometer Ports
- 1" Process Piping, 2" Female Camlock Connection for Vacuum
- XP Starter Box, Wired 230V 1PH



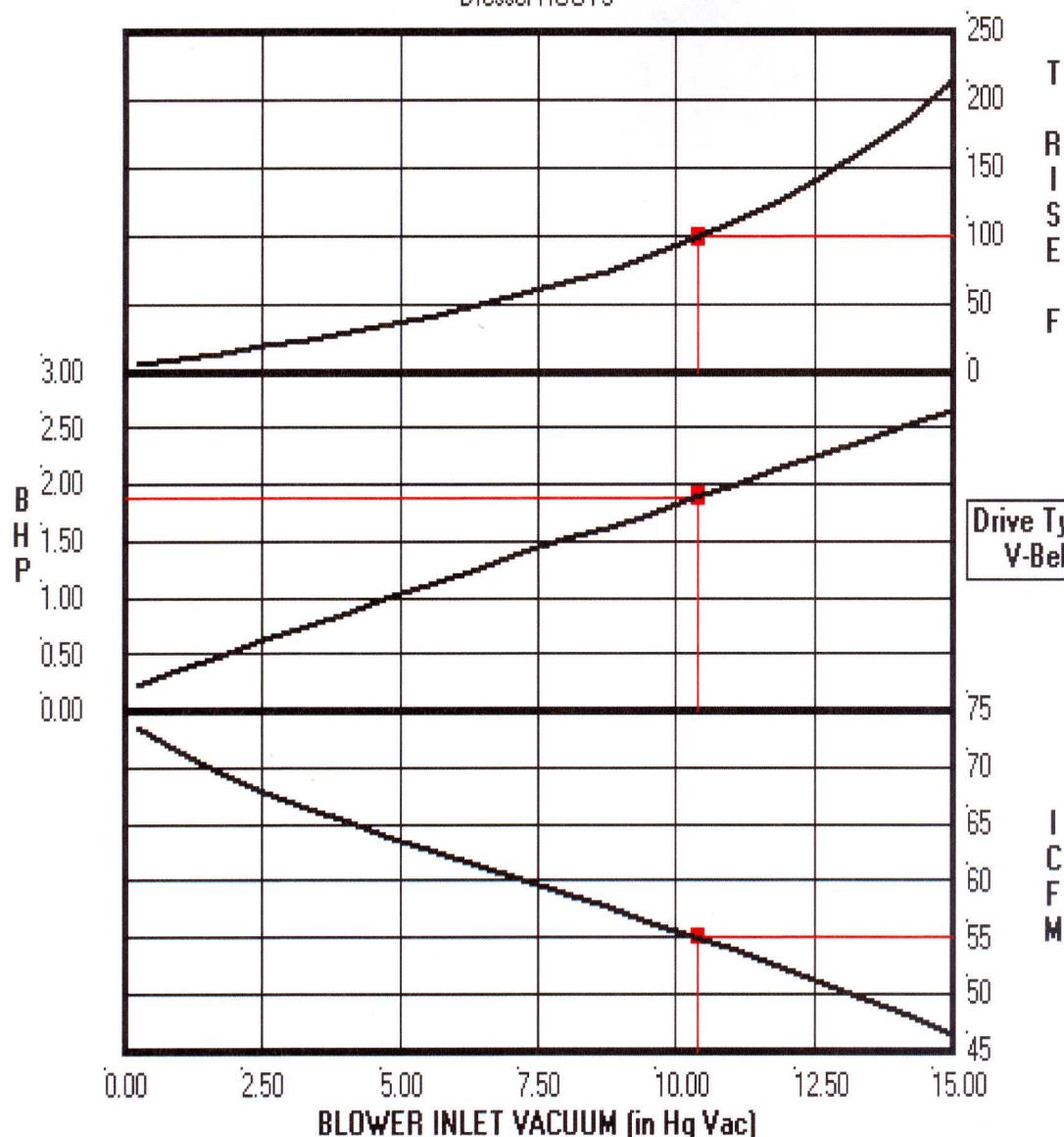


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22 URAI: Variable Pressure Performance

Dresser ROOTS



Drive Type:
V-Belt

Close Form

Print Curve

You must press the Print Screen keyboard button before the Print Curve Button.

INLET CONDITIONS: AIR

RH = 36.00%, MW = 28.832, k = 1.395, Tin = 68 deg F

DESIGN: Speed = 4887 RPM

System Inlet P = 10 in Hg Vac, Inlet P Loss = 0.2 PSI

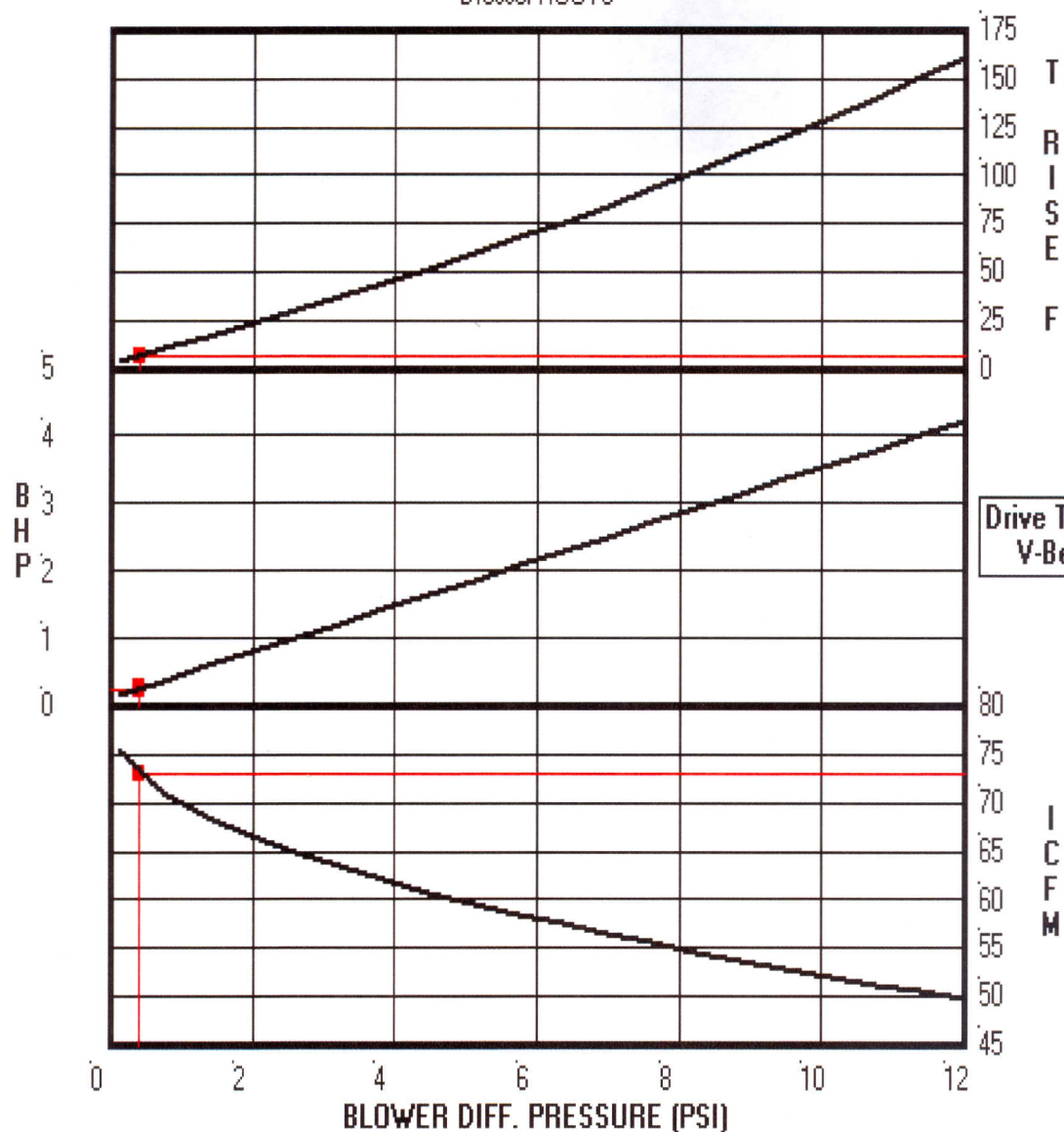
System Disch P = 14.7 PSIA, Disch P Loss = 0.2 PSI

Design Data

CUSTOMER:
PROJECT:

22 URAI: Variable Pressure Performance

Dresser ROOTS



Drive Type:
V-Belt

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Print Curve

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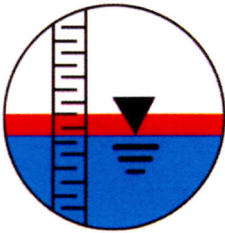
DESIGN: Speed = 4887 RPM

System Inlet P = 14.7 PSIA, Inlet P Loss = 0.2 PSI

System Disch P = 0 PSIG, Disch P Loss = 0.2 PSI

Design Data

CUSTOMER:
PROJECT:



Enviro-Equipment Inc.
Remediation Division
10120 Industrial Drive
Pineville NC 28134
Phone 704 556 7723
Fax 704 556 7228
remediation@enviroequipment.com

Remediation Blower Motor Check Sheet

Inspector: JPA Date: 6/17/10 Quote/Job #: 1207

Blower Info

MFG: Dresser / Roots
Model: 22 URAI
Serial: 000 8912649
Port Size: 1" in / 1" out

Air Filter: 30P
Base: 28" x 37"
Height: 64"
Wgt: 360 lbs
Cord Length: 18'

Motor Info

MFG: Baldor HP: 3
Model: AA750410 RPM: 3450
Serial: 36N01-201 Voltage: 115/230
Cat #: L5028T Amp: 29 / 14.5
Frame: 184T Phase: 1
Class: B HZ: 60
ENCL: INS CL:
SF: 1.00 DUTY: Cont
AMB: 40°C CODE: G
Nema Nom Eff: Shaft Size:

TEST RUN

Pre Startup Voltage		Run Voltage		No Load Amperage		Full Load Amperage	
AB: <u>208</u>	AB: <u>203</u>	A: <u>9.75</u>	A: <u>13.51</u>				
BC: <u></u>	BC: <u></u>	B: <u>9.90</u>	B: <u>14.30</u>				
AC: <u></u>	AC: <u></u>	C: <u></u>	C: <u></u>				

Pressure/Vac: 10" Hg

Inspector Comments:

all 1" process piping with 2" female camlok fitting

Kunkle valve: 912BFEM01 @ 14" Hg
Pressure Relief valve installed