

CALCULATION RESULT OF X-FLO

MANUFACTURING NO.

31E1104

D74405

ORIFICE IN. DIA.	m	0.3419	= 0.1346"
ORIFICE OUT. DIA.	m	0.4414	= 0.1737"
INLET PIPE DIA.	m	0.5	= 0.1968"
OUTLET PIPE DIA.	m	0.5	= 0.1968"

(TEST)

GAS CONSTANT	29.44
HEAT RATIO	1.4

DRIVER SPEED (TEST)	r p m	2939
DRIVER SPEED (SPEC.)	r p m	2980

(SPEC.)

GAS CONSTANT	29.627	
HEAT RATIO	1.395	
ATM ² PRESS.	kPa (A)	101.3
INLET PRESS.	kPa (A)	99.3
INLET TEMP.	°C	30

NITROGEN mixed Hydrocarbon

1440.48 lb/in²
14.40 — 1412 lb/in²
-1°F

MEASUREMENT

IV=0°

ATM. PRESSURE	kg/cm ² abs.	1.0207
ORIFICE TEMP.	°C	30.3
ORIFICE PRESS.	mmAq	-337
ORIFICE DEL. P.	mmAq	569
INLET TEMP.	°C	30.3
OUTLET TEMP.	°C	171.7
INLET PRESS.	mmAq	-2481
OUTLET PRESS.	mmAq	12817

-14.51 psia
-0.94°F (minus)

586 mm Hg = 11.33 psia

CALCULATION RESULT AT THE SPECIFIED CONDITION

CAPACITY	Nm ³ /Hr.	26675	16,593 SCFM
DISCHARGE PRESS.	kPa (A)	299.9	43.50 psia
SHAFT POWER	kw	1474.1	2,000 approx.

(11) S 15 P.D. ^{RF} ~~Heater~~ 141 meters gear to
14" x 12" F w/ feed pipe
connect →

(1) Skid Mtg and Comp. mfg / A 5-d by
Kawasaki - Kobe, Japan
Mdl 554
SIN 554-119 w/ Air cooled Ind
Mtr
Nov 7-97
11000 V mtr
Sgt stage Comp } 1600 KW 11000 V

Notes - New 1997 2971 RPM
3 ph 6500 K_g
Type N3 HYC 560 F/2
SIN 964220 971
mfg GEC Alsthon in France

(1) Braun Brüstle & Fellenz
Type 880 243 3/40/200 V
Vessel Type ES 15 3B 8FV @ 150°C
Nov 1989 SIN 124

(1) Andritz Spross Bauer D/F 1524 Chippers
SIN 1994-000 19 No motor or 2nd

(1) Cumberland Mdl 2 GAN 3KN Grampets
SIN 25086-727



