



R C preSelection Input

PROPOSAL No.

DATE

EX-26p

Sep-13-2022

Rev 5.0.0.11

C26P Vers.2.5.0.6

CUSTOMER

Air Products

PROJECT

LOCATION

China

PERFORMANCE DATA:

Number of services

3

Color Coding:

	Mandatory Input Data
	Optional Input Data
	Calculated Input Data
	Output data

Rated Capacity

	Service 1	Service 2	Service 3
Nm3/h			
Sm3/h			
MMSCFD			
Kg/Hr	366	868	6400
Lb/Hr			
Nm3/h	4069	9650	71156

Compr. Sizing with No Negative Tolerance?

Yes

Suction Pressure

Bar A	1.14	4.13	7.14
psi A			
kg/cm2			
Bar A	1.14	4.13	7.14

Discharge Pressure

Bar A	4.41	7.41	52.4
psi A			
kg/cm2			
Bar A	4.41	7.41	52.40

WARNING: Preliminary Spring preload at closed valve of 0.1 Bar has been evaluated

1st Stage Suction Temperature

Deg C	25.1	25.4	24.6
Deg F			
Deg C	25.10	25.40	24.60

Other Stages Suction Temperature

Deg C	35.00	35.00	35.00
Deg F			
Deg C	35.00	35.00	35.00

No. Stages

Compressor Type

6HF/2-1-3

WARNING - SEE NO

Absorbed Power

6671 kW

Cylinder lubrication

LUBE LUBE LUBE

LOW SPEED

Low / Medium / High Speed Compressor Models

EM Noise Level dBA

82

Motor type:

50 Hz Synchronous

Synchronous Motor is suggested for power:

>=4MW @ 60Hz or >=6MW @ 50Hz

Rpm limit:

Piston Speed Limit:

Maximum Bore

All Stages [mm]

m/s

Srv/Stg

Maximum Bore

per Stage [mm]

1/ 1

1/ 2

2/ 1

3/ 1

3/ 2

3/ 3

GAS COMPONENTS**FORMULA**

M.W.

%VOL

%VOL

%VOL

HYDROGEN	H2	2.016	100.00	100.00	100.00
OXYGEN	O2	32.000			
NITROGEN	N2	28.016	0.00	0.00	0.00
CARBON MONOXIDE	CO	28.010	0.00	0.00	0.00
CARBON DIOXIDE	CO2	44.010	0.00	0.00	0.00
WATER	H2O	18.016	0.00	0.00	0.00
AMMONIA	NH3	17.032			
SULFUR DIOXIDE	SO2	64.060			
HYDROGEN SULFIDE	H2S	34.076	0.00	0.00	0.00
AIR		28.966	0.00	0.00	0.00
METHANE	CH4	16.042	0.00	0.00	0.00
ACETYLENE	C2H2	26.036			
ETHYLENE	C2H4	28.052			
ETHANE	C2H6	30.068	0.00	0.00	0.00
PROPYLENE	C3H6	42.078			
PROPANE	C3H8	44.094	0.00	0.00	0.00
1-BUTENE	1-C4H8	56.108			
ISOBUTYLENE	C4H8	56.104			
I-BUTANE	C4H10	58.120	0.00	0.00	0.00
N-BUTANE	C4H10	58.120	0.00	0.00	0.00
I-PENTANE	C5H12	72.146	0.00	0.00	0.00
N-PENTANE	C5H12	72.146	0.00	0.00	0.00
CYCLOPENTANE	C-C5H10	70.134			
NEOPENTANE	C5H12	72.146			
BENZENE	C6H6	78.108			
N-HEXANE	C6H14	86.172	0.00	0.00	0.00
CYCLOHEXANE	C-C6H12	84.162			
N-HEPTANE	C7H16	100.198	0.00	0.00	0.00
N-OCTANE	C8H18	114.232			
N-NONANE	C9H20	128.259			
N-DECANE	C10H22	142.286			
UNDECANE	C11H24	156.313			
DODECANE	C12H26	170.340			

OTHER GAS...

Hide

TOTAL	100.00	100.00	100.00
MW	2.02	2.02	2.02

DATA FOR "LIGHT RCS" (FOR APPLICATION ENGINEER USE ONLY)

Compressor type:

Stroke [mm]

RPM

Service 1 - Stage

1

2

3

4

5

6

7

8

Cyl. Clearance [%]

Cylinder Diameter [mm]

Number of Cylinders

Initial value is the Min Clearance Volume among all steps for the selected Cyl. Diameter; manually editable

Service 2 - Stage

1

2

3

4

5

6

7

8

Cyl. Clearance [%]

Cylinder Diameter [mm]

Number of Cylinders