



R C preSelection Input

PROPOSAL No.

DATE

EX-26p

Nov-24-2021

Rev 5.0.0.11

C26P Vers.2.5.0.6

CUSTOMER

Toni

PROJECT

LOCATION

Italy

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	10000	5000	1000
Sm3/h			
MMSCFD			
Kg/Hr			
Lb/Hr			
Nm3/h	10000	5000	1000

Compr. Sizing with No Negative Tolerance?

Yes

Suction Pressure

Bar A	2	61	130
psi A			
kg/cm2			
Bar A	2.00	61.00	130.00

Discharge Pressure

Bar A	60	133	180
psi A			
kg/cm2			
Bar A	60.00	133.00	180.00

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

1st Stage Suction Temperature

Deg C	45	45	45
Deg F			
Deg C	45.00	45.00	45.00

Other Stages Suction Temperature

Deg C			
Deg F			
Deg C	.00	.00	.00

No. Stages

Compressor Type

6HE/3-1-1

WARNING - SEE NO

Absorbed Power

1778 kW

Cylinder lubrication

NO LUBE

MEDIUM SPEED

Low / Medium / High Speed Compressor Models

EM Noise Level dBA

82

Motor type:

60 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

1/ 3

2/ 1

3/ 1

GAS COMPONENTS**FORMULA**

M.W.

%VOL

%VOL

%VOL

HYDROGEN	H2	2.016	333.00	1.00	1.00
OXYGEN	O2	32.000			
NITROGEN	N2	28.016	2.00	2.00	2.00
CARBON MONOXIDE	CO	28.010		3.00	3.00
CARBON DIOXIDE	CO2	44.010	4.00	4.00	4.00
WATER	H2O	18.016		5.00	5.00
AMMONIA	NH3	17.032			
SULFUR DIOXIDE	SO2	64.060			
HYDROGEN SULFIDE	H2S	34.076	6.00	6.00	6.00
AIR		28.966		7.00	7.00
METHANE	CH4	16.042	8.00	8.00	8.00
ACETYLENE	C2H2	26.036			
ETHYLENE	C2H4	28.052			
ETHANE	C2H6	30.068		9.00	9.00
PROPYLENE	C3H6	42.078			
PROPANE	C3H8	44.094		10.00	10.00
1-BUTENE	1-C4H8	56.108			
ISOBUTYLENE	C4H8	56.104			
I-BUTANE	C4H10	58.120		11.00	11.00
N-BUTANE	C4H10	58.120	12.00	12.00	12.00
I-PENTANE	C5H12	72.146	13.00	13.00	13.00
N-PENTANE	C5H12	72.146		14.00	14.00
CYCLOPENTANE	C-C5H10	70.134			
NEOPENTANE	C5H12	72.146			
BENZENE	C6H6	78.108			
N-HEXANE	C6H14	86.172	15.00	15.00	15.00
CYCLOHEXANE	C-C6H12	84.162			
N-HEPTANE	C7H16	100.198	16.00	16.00	16.00
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	409.00	136.00	136.00
MW	14.10	57.62	57.62

ERROR: for M.W.>23 and Medium/High Speed Compressors => Selection by 'RCS'

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