Technical offer

Attn.
DYPNF

Quotation

Subject: 300 KT Polyethylene Plant Arya Sasol Polymer Company (ASPC) Project
Screw Compressor & Roots Blower Package
Job no.: PC-2312
Inquiry no.: PC-2312-01
Airpack reference: 23383-COM rev.01

Zierikzee

Date: December 18th, 2024

Dear Sir / Madam,

With reference to your above mentioned inquiry, we have the pleasure to send you our quotation for the following:

Item	Scope of supply	Price Unit	EURO Total
A.	Equipment no.: 44C-40001A/B Two (2) complete packaged skids with: Two (2) oil free, air cooled, rotary screw compressors, Inlet Y-strainer, Oil coolers, Direct drive by E-motor, Acoustic compressor enclosure, Instrumentation, Instrument junction boxes, Interconnecting piping within skid, SS316L instrument tubing, Instrument cabling according IEC 60332, Galvanized cable trays with covers, Heavy duty base frame, Removable four point lifting frame with lifting lugs 100% MPI. Technical specifications as per item 1 and 2.		

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Scope of supply	Price Unit	EURO Total
B.	Equipment no.: 44C-80001A/B Two (2) complete packaged skids with: Two (2) oil free, air cooled, rotary screw compressors, Compressor intake filters with silencer, Oil coolers, Direct drive by E-motor, Acoustic compressor enclosure, Instrumentation, Instrument junction boxes, Interconnecting piping within skid, SS316L instrument tubing, Instrument cabling according IEC 60332, Galvanized cable trays with covers, Heavy duty base frame, Removable four point lifting frame with lifting lugs 100% MPI. Technical specifications as per item 3 and 4.		
C.	Equipment no.: 44C-80002A/B Two (2) complete packaged skids with: Two (2) oil free, air cooled, roots blowers, Compressor intake filters with silencer, V-belt drive by E-motor, Acoustic compressor enclosure, Instrumentation, Instrument junction boxes, Interconnecting piping within skid, SS316L instrument tubing, Instrument cabling according IEC 60332, Galvanized cable trays with covers, Heavy duty base frame, Removable four point lifting frame with lifting lugs 100% MPI. Technical specifications as per item 5 and 6.		

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Scope of supply	Price Unit	EURO Total
D.	Equipment no.: 44C-80004A/B Two (2) complete packaged skids with: Two (2) oil free, air cooled, rotary screw compressors, Compressor intake filters with silencer, Oil coolers, Direct drive by E-motor, Acoustic compressor enclosure, Instrumentation, Instrument junction boxes, Interconnecting piping within skid, SS316L instrument tubing, Instrument cabling according IEC 60332, Galvanized cable trays with covers, Heavy duty base frame, Removable four point lifting frame with lifting lugs 100% MPI. Technical specifications as per item 7 and 8.		
E.	Equipment no.: 44C-80005A/B/C Three (3) complete packaged skids with: Three (3) oil free, air cooled, rotary screw compressors, Compressor intake filters with silencer, Oil coolers, Direct drive by E-motor, Acoustic compressor enclosure, Instrumentation, Instrument junction boxes, Interconnecting piping within skid, SS316L instrument tubing, Instrument cabling according IEC 60332, Galvanized cable trays with covers, Heavy duty base frame, Removable four point lifting frame with lifting lugs 100% MPI. Technical specifications as per item 9 and 10.		

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item **Scope of supply**

F. Technical features included in base offer

Mechanical design:

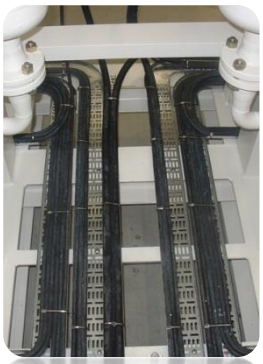
- Four point lifting frame with lifting lugs 100% MT tested

Removable lifting frame

Instruments and control:

- Package control by plant DCS
- API 520/521 relief valves
- ¼ " SS316L tubing with SS316L double ferrule couplings
- Galvanized cable trays with covers
- Flame retardant instrument cabling IEC 60332
- Nickel plated brass EExd cable glands

Eexd cable glands ***SS316L tubing*** ***Cabling & cable trays***



Certificates:

- ✓ 3.1 inspection certificates for compressor/blower stage,
- ✓ 2.2 works certificate
- ✓ 3.1 material certificates for silencer, compensator, safety valve and skid lifting lugs

Testing:

- Witnessed FAT (factory acceptance test)
  - ✓ Functional test

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Scope of supply	Price Unit	EURO Total
G.	Additional items coming from technical clarifications or received project specifications: Nickel plated brass cable glands, Skid anchor bolts, 2-way BB manifolds for pressure instruments, 5-way BB manifolds for diff. pressure instruments, WEG make electric motors Galvanized cable trays with covers.		Included in base price
H.	Minimum recommended spare parts: One (1) set commissioning/start-up for item A One (1) set commissioning/start-up for item B One (1) set commissioning/start-up for item C One (1) set commissioning/start-up for item D One (1) set commissioning/start-up for item E Prices mentioned are only applicable ordered together with the package.		
I.	Delivery FCA Airpack workshop* including seaworthy packing for item A Delivery FCA Airpack workshop* including seaworthy packing for item B Delivery FCA Airpack workshop* including seaworthy packing for item C Delivery FCA Airpack workshop* including seaworthy packing for item D Delivery FCA Airpack workshop* including seaworthy packing for item E *: ICC publication INCOTERMS 2020 For any seaworthy transportation open flatrack cargo is not allowed. The quoted prices are excluding any local tax, import duties and other charges levied by the government or other authorized entity of the country of equipment destination. Any applicable charges should be borne by the purchaser.		
J.	Documents: The above prices are based on delivery of Airpack's standard documentation as mentioned in the Supplier Data Register. Limited extra requirements can be included against extra costs. Documents subject to approval during project stage will be submitted by email. Final "as built" documents will be submitted as soft copy. Index and layout for all documents / reports and P&ID legend will be as per Airpack standard.		

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item **Scope of supply**

K. Scope of work:

Project management & Engineering for offered package
Manufacturing of offered package
Commissioning and start-up against daily rates
On request Airpack will provide technical training for one (1) day against reduced charge if training is performed at our workshop and combined with FAT. Travel, accommodation and personal cost to be borne by the customer.

For more information regarding our product range, please visit our webpage at http://www.airpack.nl.

Should you require any other additional information, please do not hesitate to contact us.

Yours faithfully,
AIRPACK NEDERLAND B.V.

R. Dorreman
Sales Manager

C.c. J.P. Warnar
President

Bank details

Bank	: ABN AMRO
Account no.	: 52.29.886.36
IBAN	: NL45ABNA0522988636
BIC CODE	: ABNANL2A
VAT	: NL009414058B01

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

TECHNICAL SPECIFICATION

Item	Qty	Description

The equipment will be installed indoors, and shall be suitable for the climate conditions in an area with the following data:

Ambient temperature (min/max)	5 / 48 °C
Relative humidity (min/max/design)	65 / 100 / 80 %

1.1 2 Compressors

Type	oil free, rotary screw
Number of stages	one
Capacity	6255 Nm^3/h
Suction pressure	1,063 bar(a)
Differential pressure	1,84 bar
Discharge pressure	2,903 bar(a)
Gas handled	nitrogen
Suction temperature	48 °C
Outlet temperature	186 °C
Power absorbed	~ 313 kW
Safety valve	included
Acoustic enclosure	sheet steel included
Sound pressure level	85 dB(A) at 1 meter distance
Inlet filter	Y-strainer included
Lubrication	pressurised
Drive	direct via coupling
Lube oil cooler	air-cooled heat exchanger

1.2 2 Electric motors

Speed	2980 rpm
Nominal power	355 kW
Enclosure	IP-55
Insulation / temperature rise	Class F / Class B
Power supply	6000 V, 50 Hz, 3 ph
Power factor	0,85
Efficiency	IE3
Area classification	**safe area**

1.3 2 Package control

A **local panel** will be supplied with the necessary amount of start, stop, accept/reset push buttons and following indication lamps.

power on	common alarm
ESD	common trip

Control will be by plant DCS (by others).

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

TECHNICAL SPECIFICATION

Item	Qty	Description

All wiring will be terminated to **junction boxes** from which the interfacing by multicore (by others) to customer control centre/ESD will take place.
All signals are connected for fail safe operation.

Panel classification & junction boxes	**Ex II 3G IIC T3, Eex'e'**
Panel and junction box material	SS316
Panel protection	IP-66

1.4 2 Instrumentation

	Gauge	Transmitter	
Pressure		Alarm	Trip
Lube oil		X	X
Compressor inlet		X	
Compressor outlet		X	X
Temperature			
Lube-oil		X	X
Compressor discharge		X	X

Instrument area classification	**Ex II 3G IIC T3, Ex'ia'**
Solenoid valve area classification	**Ex II 3G IIC T3, Ex'd'**

2 2 Skids

Item 1 is packaged together on two (2) skids, which will be supplied complete skid mounted and shop assembled with all piping, wiring, tubing, instruments and controls installed, to minimise installation labour. The package shall be installed on the foundation by others.

Inlet of package	14" ANSI 150 RF
Outlet of package	10" ANSI 150 RF
Approx. dimensions (lxwxh)	5500 x 2200 x 3500 mm
Approx. weight	14000 kg

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

TECHNICAL SPECIFICATION

Item	Qty	Description
3.1	2	Compressors

Type	oil free, rotary screw
Number of stages	one
Capacity	4175 Nm^3/h
Suction pressure	1,013 bar(a)
Differential pressure	1,46 bar
Discharge pressure	2,473 bar(a)
Gas handled	ambient dust laden air
Suction temperature (min/max)	48 °C
Outlet temperature	167 °C
Power absorbed	~ 185 kW
Safety valve	included
Acoustic enclosure	sheet steel included
Sound pressure level	85 dB(A) at 1 meter distance
Inlet filter	one, dry type
Lubrication	pressurised
Drive	direct via coupling
Lube oil cooler	air-cooled heat exchanger

3.2 2 Electric motors

Speed	2980 rpm
Nominal power	250 kW
Enclosure	IP-55
Insulation / temperature rise	Class F / Class B
Power supply	6000 V, 50 Hz, 3 ph
Power factor	0,85
Efficiency	IE3
Area classification	**safe area**

3.3 2 Package control

A **local panel** will be supplied with the necessary amount of start, stop, accept/reset push buttons and following indication lamps.

power on	common alarm
ESD	common trip

Control will be by plant DCS (by others).

All wiring will be terminated to **junction boxes** from which the interfacing by multicore (by others) to customer control centre/ESD will take place.
All signals are connected for fail safe operation.

Panel classification & junction boxes	**Ex II 3G IIC T3, Eex'e'**
Panel and junction box material	SS316
Panel protection	IP-66

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Qty	Description
3.4	2	Instrumentation

	Gauge	Transmitter	
Pressure		Alarm	Trip
Lube oil		X	X
Compressor inlet		X	
Compressor outlet		X	X
Temperature			
Lube-oil		X	X
Compressor discharge		X	X

Instrument area classification	**Ex II 3G IIC T3, Ex'ia'**
Solenoid valve area classification	**Ex II 3G IIC T3, Ex'd'**

4 2 Skids

Item 3 is packaged together on two (2) skids, which will be supplied complete skid mounted and shop assembled with all piping, wiring, tubing, instruments and controls installed, to minimise installation labour. The package shall be installed on the foundation by others.

Outlet of package	10" ANSI 150 RF
Approx. dimensions (lxwxh)	5000 x 2000 x 3500 mm
Approx. weight	8000 kg

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

TECHNICAL SPECIFICATION

Item	Qty	Description
5.1	2	Compressors

Type	oil free, roots blower
Number of stages	one
Capacity	4257 Nm^3/h
Suction pressure	1,013 bar(a)
Differential pressure	0,97 bar
Discharge pressure	1,983 bar(a)
Gas handled	ambient dust laden air
Suction temperature (min/max)	48 °C
Outlet temperature	142 °C
Power absorbed	~ 147 kW
Safety valve	included
Acoustic enclosure	sheet steel included
Sound pressure level	85 dB(A) at 1 meter distance
Inlet filter	one, dry type
Lubrication	pressurised
Drive	via V-belt
Lube oil cooler	air-cooled heat exchanger

5.2 2 Electric motors

Speed	1488 rpm
Nominal power	200 kW
Enclosure	IP-55
Insulation / temperature rise	Class F / Class B
Power supply	6000 V, 50 Hz, 3 ph
Power factor	0,85
Efficiency	IE3
Area classification	**safe area**

5.3 2 Package control

A **local panel** will be supplied with the necessary amount of start, stop, accept/reset push buttons and following indication lamps.

power on	common alarm
ESD	common trip

Control will be by plant DCS (by others).

All wiring will be terminated to **junction boxes** from which the interfacing by multicore (by others) to customer control centre/ESD will take place.
All signals are connected for fail safe operation.

Panel classification & junction boxes	**Ex II 3G IIC T3, Eex'e'**
Panel and junction box material	SS316
Panel protection	IP-66

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Qty	Description

5.4 2 Instrumentation

	Gauge	Transmitter	
Pressure		Alarm	Trip
Compressor outlet		X	X
Temperature			
Compressor discharge		X	X

Instrument area classification **Ex II 3G IIC T3, Ex'ia'**
Solenoid valve area classification **Ex II 3G IIC T3, Ex'd'**

6 2 Skids

Item 5 is packaged together on two (2) skids, which will be supplied complete skid mounted and shop assembled with all piping, wiring, tubing, instruments and controls installed, to minimise installation labour. The package shall be installed on the foundation by others.

Outlet of package	10" ANSI 150 RF
Approx. dimensions (lxwxh)	3500 x 2200 x 2800 mm
Approx. weight	8000 kg

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

TECHNICAL SPECIFICATION

Item	Qty	Description
7.1	2	Compressors

Type	oil free, rotary screw
Number of stages	one
Capacity	7185 Nm^3/h
Suction pressure	1,013 bar(a)
Differential pressure	2,20 bar
Discharge pressure	3,213 bar(a)
Gas handled	ambient dust laden air
Suction temperature (min/max)	48 °C
Outlet temperature	205 °C
Power absorbed	~ 468 kW
Safety valve	included
Acoustic enclosure	sheet steel included
Sound pressure level	85 dB(A) at 1 meter distance
Inlet filter	one, dry type
Lubrication	pressurised
Drive	direct via coupling
Lube oil cooler	air-cooled heat exchanger

7.2 2 Electric motors

Speed	2980 rpm
Nominal power	630 kW
Enclosure	IP-55
Insulation / temperature rise	Class F / Class B
Power supply	6000 V, 50 Hz, 3 ph
Power factor	0,85
Efficiency	IE3
Area classification	**safe area**

7.3 2 Package control

A **local panel** will be supplied with the necessary amount of start, stop, accept/reset push buttons and following indication lamps.

power on	common alarm
ESD	common trip

Control will be by plant DCS (by others).

All wiring will be terminated to **junction boxes** from which the interfacing by multicore (by others) to customer control centre/ESD will take place.
All signals are connected for fail safe operation.

Panel classification & junction boxes	**Ex II 3G IIC T3, Eex'e'**
Panel and junction box material	SS316
Panel protection	IP-66

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Qty	Description
7.4	2	Instrumentation

	Gauge	Transmitter	
Pressure		Alarm	Trip
Lube oil		X	X
Compressor inlet		X	
Compressor outlet		X	X
Temperature			
Lube-oil		X	X
Compressor discharge		X	X

Instrument area classification **Ex II 3G IIC T3, Ex'ia'**
Solenoid valve area classification **Ex II 3G IIC T3, Ex'd'**

8 2 Skids

Item 7 is packaged together on two (2) skids, which will be supplied complete skid mounted and shop assembled with all piping, wiring, tubing, instruments and controls installed, to minimise installation labour. The package shall be installed on the foundation by others.

Outlet of package	10" ANSI 150 RF
Approx. dimensions (lxwxh)	5500 x 2200 x 3500 mm
Approx. weight	14000 kg

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Qty	Description
9.1	3	Compressors

Type	oil free, rotary screw
Number of stages	one
Capacity	4063 Nm^3/h
Suction pressure	1,013 bar(a)
Differential pressure	1,41 bar
Discharge pressure	2,423 bar(a)
Gas handled	ambient dust laden air
Suction temperature (min/max)	48 °C
Outlet temperature	163 °C
Power absorbed	~ 181 kW
Safety valve	included
Acoustic enclosure	sheet steel included
Sound pressure level	85 dB(A) at 1 meter distance
Inlet filter	one, dry type
Lubrication	pressurised
Drive	direct via coupling
Lube oil cooler	air-cooled heat exchanger

9.2 3 Electric motors

Speed	2980 rpm
Nominal power	250 kW
Enclosure	IP-55
Insulation / temperature rise	Class F / Class B
Power supply	6000 V, 50 Hz, 3 ph
Power factor	0,85
Efficiency	IE3
Area classification	**safe area**

9.3 3 Package control

A **local panel** will be supplied with the necessary amount of start, stop, accept/reset push buttons and following indication lamps.

power on	common alarm
ESD	common trip

Control will be by plant DCS (by others).

All wiring will be terminated to **junction boxes** from which the interfacing by multicore (by others) to customer control centre/ESD will take place.
All signals are connected for fail safe operation.

Panel classification & junction boxes	**Ex II 3G IIC T3, Eex'e'**
Panel and junction box material	SS316
Panel protection	IP-66

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

Item	Qty	Description

9.4 3 Instrumentation

	Gauge	Transmitter	
Pressure		Alarm	Trip
Lube oil		X	X
Compressor inlet		X	
Compressor outlet		X	X
Temperature			
Lube-oil		X	X
Compressor discharge		X	X

Instrument area classification **Ex II 3G IIC T3, Ex'ia'**
Solenoid valve area classification **Ex II 3G IIC T3, Ex'd'**

10 3 Skids

Item 9 is packaged together on three (3) skids, which will be supplied complete skid mounted and shop assembled with all piping, wiring, tubing, instruments and controls installed, to minimise installation labour. The package shall be installed on the foundation by others.

Outlet of package	10" ANSI 150 RF
Approx. dimensions (lxwxh)	5000 x 2000 x 3500 mm
Approx. weight	8000 kg

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

DESIGN CONSIDERATIONS

1.		Description	Reference number	Rev	Pages
	-	Material Requisition	PC-2312-01	1	8

2. We received the above mentioned specifications. We follow the specifications in the essence of its words, with the comments as mentioned in attached deviation list. Specifications not mentioned above are not received or considered by us. Therefore, cross-references made to specifications or drawings not mentioned above are not considered. Data as mentioned in our 'offer' is applicable as well as our engineering standards as written in our EPM.
3. New specifications other than the above mentioned submitted after handover from sales team to project team can be considered against extra costs or Airpack initiative.
4. Final deviation list and all clarifications exchanged shall become a part of the PO.
5. All interconnecting piping, flanges and couplings will be of carbon steel (ASTM A-106 grade B or API-5L-Grade B for piping, A-105 for flanges and couplings).
6. All instrument tubing will be made of stainless steel tubing ¼", with compression double ferrule type couplings. All take off points of instruments will be of mfr. std. size/connection.
7. Offered equipment is suitable for a non-hazardous area.
8. Pressure and temperature gauges will be with 100 mm diameter indication.
9. Transmitters will be supplied with aluminium housing, epoxy coated suitable for offshore applications. Instrumentation connection is according to MFR STD (process connection = screwed NPT, electrical connection = metric). The alarm and trip signal will be transmitted by one common transmitter.
10. With accepting of this offer by form of a Purchase Order, customer obliges itself to make Airpack acquainted with any local laws and regulations.
11. Overall sound pressure level of electrical motor driven package at 1 meter distance of package: 85 dB(A). Sound measurement as per Airpack EPM.
12. Interconnecting DIN flanges within the confines of the skid can be applied, however customer's connections will be according ANSI B16-5.
13. Interconnecting piping, tubing, cabling, between separately delivered packages / skids etc. is not included in scope of supply.
14. Skid design is according manufacturer's proven standard. Welding according to AWS D1.1.
15. Offered equipment will be painted according manufacturer's standard, i.e. two (2) layers of a two pack, high solids modified epoxy coating and one (1) layer of a two pack high solid, aliphatic polyurethane topcoat. Paint will be applied by roller / brush.
16. Welding and weld preparation will be executed according our third party approved procedures / qualifications belonging to the design code (if applicable).
17. All equipment shall be installed under shelter. Direct sunshine on equipment is not allowed. Weather protection and sunroof to be provided by others.
18. The unit is not suitable to operate in ambient temperatures below 5 °C. We have not included anti condensation devices.

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

DESIGN CONSIDERATIONS

19. In case of conflicts about documents vendor shall report and solve them by agreement with buyer. Generally, the following ruling order applies:
    First priority Approved documents such as drawings and datasheets.
    Second priority Technical description and datasheets.
    Third priority Requisition and its other attachments.
    Fourth priority International standards and specifications.
20. Approved documents are binding.
21. Testing and inspection will be done in accordance with our Quality Test & Inspection Plan and Test & Inspection Procedure. These documents will be subject for approval after order.
22. The following witnessed tests will be carried out:
    - Functional test
23. For NDT/NDE we have included only:
    - 100% MT for lifting lugs
24. We use the following programs:
    - Microsoft Office
    - Microsoft Project
    - Autodesk AutoCAD
    - Autodesk Inventor Professional
    - E-plan
25. For our delivery schedule, two factory visit days are considered for expediting. Additional visit days will be charged against our daily rates and have an influence on our delivery time.
26. Kick off meeting at Airpack premises or virtually (MS Teams or equivalent) is included in base price. Attending meetings at customer office (e.g. KOM, HAZOP, design review etc.) can be included against daily rates.
27. Requirements for supervision are against daily rates (for example: installation, start-up, commissioning, integration with existing equipment, etc.).
28. For changes in local legislation, regulations and/or other country specifics directly affecting the further progression of the project Airpack cannot be held responsible. If such occasion shall arise, both parties shall seek a resolution and establish a mutually agreed plan of action.
29. In case customer P&ID is to be followed this will be specifically agreed upon and mentioned in our offer. The same P&ID will be used to determine the final scope. Additional requirements outside this scope can be added against cost and delivery impact.
30. Compressor intake filter housing will be carbon steel.
31. Cooler design as per Aerzen MFR STD.
32. Electric motor starters are not included in our scope of supply. Electric motor test certificate on request.

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

SUPPLIER DATA REGISTER

Document No.	Description
01	Vendor Document Schedule
02	Legend P&ID
03	P&ID
04	General Arrangement Drawing
05	Wiring Diagram (including Terminal Diagram)
06	I/O List
07	Panel Layout Drawing
08	Inspection & Test Plan (ITP)
09	Utility Consumption and Lubrication List
10	Main Motor Data Sheets
11	Equipment Data Sheets
12	Instrument and Valve Data Sheets
13	FAT Procedure
14	NDE Procedure
15	Package Nameplate Drawing
16	Painting Procedure
17	Index of Data Book
18	Index of Instruction and Operating Manual
19	Control Philosophy
20	Preservation, Packing & Shipping Procedure
21	PQR / WPS
22	WPQ
23	Logic diagram
24	Instrument calibration certificates (in data book)
25	ATEX certificates for applicable items (in data book)
26	PSV sizing calculation
27	Thermowell wake frequency calculations

Inspections and test according to Airpack standard quality plan are included. Additional approvals other than the purchaser, e.g. the end user, will be charged against costs.

Information and details are available based on Airpack document layout.

Native files are not available.

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.

CONDITIONS OF SALE

This offer is subject to Airpack order protocol. Airpack order protocol will be available on request after receipt of technical approval for our offer.

1. **CONFIDENTIALITY**

All drawings, specifications and technical information provided by the company to the customer are the company's copyright.
The mentioned documents and technical information are confidential and remain the property of the company at all times and the customer shall not (without the previous written consent of the company) copy and such drawing, specifications or technical information, nor show, disclose or give to any third party or communicate the content thereof to any third party or use them in any way otherwise when for the purpose of adjudicating the offer to this contract or for the operation of the goods supplied.

2. **SEAWORTHY PACKING**

Seaworthy packing generally complies with our drawing TDMW - 103 as per below and consists of a removable packing frame of steel covered with underlayment with wooden support of 2 x 3 inch beams. Each critical item will be protected by a separate plastic cover. Switchbox will be filled with desiccant to avoid oxidation.

Airpack B.V., Groeneweegje 25, 4301 RN Zierikzee, The Netherlands, Phone: (+31) (0) 111 - 415455, Fax: (+31) (0) 111 - 413338

E-mail: **airpack@airpack.nl**, Internet: **www.airpack.nl**, Chamber of Commerce no. 22030896, Middelburg.