



ASPC Project





END CUSTOMER	: Arya Sasol Polymer Company
CONTRACTOR	: DYPNF Co., Ltd.
VENDOR NAME	: Airpack Netherlands BV
EQUIPMENT DESCRIPTION	: Screw Compressor & Roots Blower
PURCHASE ORDER NUMBER	: PO-PC2312-08

Customer Document : 3944-VD-0171-DYP-RE-400-LST-0010
Number

Airpack Document Number : 23383-11A

Document Title : Equipment list

The original Equipment List file is attached herewith. Please review the comments and update the original Excel file accordingly.

Review Code and Status		Contractor Initials/Signature	Date signed
	Code 1 REJECTED - Vendor to revise and Resubmit. Work cannot proceed		15 Dec 2025
<input type="checkbox"/>	Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments		
<input type="checkbox"/>	Code 3 No Comments - Work may proceed.		
<input type="checkbox"/>	Code 4 Information only - Review not required.		

03	Issued for Approval	07-10-2025	SC	KP	JJ
02	Issued for Approval	10-09-2025	SC	KP	JJ
01	Issued for Approval	08-08-2025	SC	KP	JJ
00	Issued for Approval	14-07-2025	SC	KP	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by

EQUIPMENT LIST FOR POWDER CONVEYING SYSTEM(W-40001) [COMPRESSOR]

PROJET : 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)
SERVICE : POWDER CONVEYING SYSTEM(44W-40001)
DOC No. : 3944-VD-0171-DYP-RE-400-LST-0011



No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty set(s)	Material	Driver Type	Medium	RPM	Capacity		Nozzle Size In/Out (Inch)	Suction Temperature (°C)	Suction Pressure Barg	Discharge Temperature (°C)	Discharge Pressure Barg	Pressure Difference Bar	Power		Remark	Rev
												Normal Capacity (m3/h)	Rated Capacity (m3/h)							Shaft (kw)	Rated		
1	Compressor	Oil Free Screw	44C-40001A/B	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	N2	6,994	6,450	7,290	12/10	48	0.05	189	1.89	1.84	356	450	Oil Pump Driven Through Gearbox Total Weight : 13,200 kg	4
2	Ventilation Fan	Forced Draft	44C-40001A/B-C3	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Ventilation Fan	1+1	Blade : AL	Electric Motor	-	1,440	-	14,009	-	-	-	-	-	-	2.3	3.0		4
3	Oil Demister	Cyclone	44C-40001A/B-F1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		4
4	Oil Pump	Gear	44C-40001A/B-P1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		4
5	Oil Cooler	Air-Cooled	44C-40001A/B-E1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		4
6	Oil Sump	-	44C-40001A/B-V1	3944-VD-0171-DYP-RE-400-DWG-0020	40010/40020	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		4

< NOTE >

SazehFSD: Equipment list will not be approved until these data are received from Airpack and the document is completed by DYPNF.

EQUIPMENT LIST FOR PELLET CONVEYING SYSTEM(W-80008) [COMPRESSOR]

PROJCT : 300 KT POLYETHYLENE PLANTARYA SASOL POLYMER COMPANY(ASPC)
SERVICE : PELLET CONVEYING SYSTEM(44W-80008)
DOC No. : 3944-VD-0180-DYP-RE-800-LST-0010



ASPC process:
Rated capacity shall be reported based on compressor

ASPC process:
Both normal and

No	Type		Item No.	GA DWG No.	PID No.	Service	Q'ty	Material	Driver Type	Medium	RPM	Capacity		Nozzle Size	Suction Temperature	Suction Pressure	Discharge Temperature	Discharge Pressure	Pressure Difference	Power		Remark	Rev
												Normal Capacity	Rated Capacity							Shaft	Rated		
												(m3/h)	(m3/h)										
1	Compressor	Oil Free Screw	44C-80001A/B	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	6,253	4,632	5,111	10/10	5~48	ATM	167	1.46	1.46	196	250		
2	Blower	Oil Free Roots	44C-80002A/B	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Dilute Phase Blower	1+1	Casing: EN-GJL-250 Rotor: EN-GJS-500-7	Electric Motor	Air	2,244	4,682	5,170	10/10	5~48	ATM	154	0.97	0.97	193	250		
3	Compressor	Oil Free Screw	44C-80004A/B	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	5,860	8,709	9,602	10/10	5~48	ATM	205	2.20	2.20	479	590		3
4	Compressor	Oil Free Screw	44C-80005A/B/C	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Casing: EN-GJL-250 Rotor: C45N	Electric Motor	Air	6,253	4,541	5,010	10/10	5~48	ATM	164	1.41	1.41	197	250		3
5	Ventilation Fan	Forced Draft	44C-80001A/B-C3	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Ventilation Fan	1+1	Blade : AL	Electric Motor	-	1,440	-	14,009	-	-	-	-	-	-	2.3	3.0		3
6	Ventilation Fan	Forced Draft	44C-80002A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Ventilation Fan	1+1	Blade : AL	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		3
7	Ventilation Fan	Forced Draft	44C-80004A/B-C3	3944-VD-0180-DYP-RE-800-DWG-0032	80040	Ventilation Fan	1+1	Blade : AL	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		3
8	Ventilation Fan	Forced Draft	44C-80005A/B/C-C3	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Ventilation Fan	2+1	Blade : AL	Electric Motor	-	1,440	-	14,009	-	-	-	-	-	-	2.3	3.0		3
9	Oil Demister	Cyclone	44C-80001A/B-F2	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		3
10	Oil Demister	Cyclone	44C-80004A/B-D-F2	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		3
11	Oil Demister	Cyclone	44C-80005A/B/C-D-F2	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Carbon Steel	Electric Motor	-	2,980	-	-	-	-	-	-	-	-	0.37	0.37		3
12	Oil Pump	Gear	44C-80001A/B-P1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		3
13	Oil Pump	Gear	44C-80004A/B-P1	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		3
14	Oil Pump	Gear	44C-80005A/B/C-P1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part Of Compressor Block	-	-	Shaft Driven	-	-	-	-	-	-	-	-	Shaft Driven	Shaft Driven		3
15	Oil Cooler	Air-Cooled	44C-80001A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		3
16	Oil Cooler	Air-Cooled	44C-80004A/B-C2	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		3
17	Oil Cooler	Air-Cooled	44C-80005A/B/C-C2	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		3
18	Oil Sump	-	44C-80001A/B-V1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		3
19	Oil Sump	-	44C-80004A/B-V1	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		3
20	Oil Sump	-	44C-80005A/B/C-V1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Part Of Compressor Block	-	-	-	-	-	-	-	-	-	-	-	-	-		3
21	Suction Filter	Carriage	44C-80001A/B-F1	3944-VD-0180-DYP-RE-800-DWG-0020	80040	Dilute Phase Compressor	1+1	Carbon Steel	-	-	-	-	-	-	-	-	-	-	-	-	-		3
22	Suction Filter	Carriage	44C-80002A/B-F1	3944-VD-0180-DYP-RE-800-DWG-0024	80040	Dilute Phase Blower	1+1	Carbon Steel	-	-	-	-	-	-	-	-	-	-	-	-	-		3
23	Suction Filter	Carriage	44C-80004A/B-F1	3944-VD-0180-DYP-RE-800-DWG-0028	80040	Dilute Phase Compressor	1+1	Carbon Steel	-	-	-	-	-	-	-	-	-	-	-	-	-		3
24	Suction Filter	Carriage	44C-80005A/B/C-F1	3944-VD-0180-DYP-RE-800-DWG-0032	80050	Dilute Phase Compressor	2+1	Carbon Steel	-	-	-	-	-	-	-	-	-	-	-	-	-		3

ASPC Process:
discrepancy with

ASPC process:
Operating condition shall be provided for oil pumps, oil coolers and filters.

SazehFSD:
1. Oil pump capacity and discharge pressure /temperature to be specified
2. Oil cooler capacity, suction/discharge pressure /temperature and duty to be specified
3. Oil sump material, volume and operating pressure and temperature to be specified.
DYPNF Reply: The requested data is not provided by Airpack
SazehFSD:
Please ask Airpack to submit the requested data.

< NOTE >