

Project		 GREEN QUBIC ENGINEERING & MINING CO.
TARAZ BITUMEN PLANT PROJECT		
Document Title	Document Number	Page
DATA SHEET FOR AIR COMPRESSOR	TRZ-PR-DS-011-01	1 of 2

DATA SHEET FOR AIR COMPRESSOR

01	06.Jun.2026	Issued for Procurement	A.Joorabloo	H.Abhaji	A.Mobaraki
00	14.Apr.2026	Issued for Procurement	A.Joorabloo	H.Abhaji	A.Mobaraki
Rev	Date	Description	Prepared By	Checked By	Approved By

Project		 GREEN QUBIC ENGINEERING & MINING CO.
TARAZ BITUMEN PLANT PROJECT		
Document Title	Document Number	Page
DATA SHEET FOR AIR COMPRESSOR	TRZ-PR-DS-011-01	2 of 2

1	TYPE OF COMPRESSOR	Oil Inject	QUANTITY: 2+1 No.		
2	TYPE OF DRIVER	electric motor			
3	PROCESS OPERATING DATA				
4	OPERATING CASE		RATED	DESIGN	TURNDOWN
5					
6					
7	GAS HANDLED	(see gas analysis sheet)	AIR	AIR	AIR
8	CORROSIVE COMPOUNDS	(yes-no)			
9	TOXICITY OF GAS	(yes-no)	no	no	no
10	PRESENCE OF SOLIDS OR MIST		yes	yes	yes
11	MOLECULAR WEIGHT		28.03	28.03	28.03
12	CAPACITY FAD	FAD m3/Min	29 (Nm ³ /min)	-(Nm ³ /min)	-(Nm ³ /min)
13	Suction Conditions				
14	PRESSURE:	NORMAL	bar(a)	-	-
15		MINIMUM	bar(a)	-	-
16		MAXIMUM	bar(a)	-	-
17	TEMPERATURE:	NORMAL	(for design) °C	35	35
18		MINIMUM	°C	-12	-12
19		MAXIMUM	°C	45	45
20	SPECIFIC HEAT RATIO	Cp/Cv	1.38	1.38	
21	COMPRESSIBILITY FACTOR	z	1	1	
22	RELATIVE HUMIDITY	(Design Maximum) %	55	55	
23	DEW POINT	°C			
24	SITE ELEVATION	m	620		
25	DISCHARGE CONDITIONS				
26	PRESSURE	(AT OUTLET OF DISCHARGE BELLOWS)	bar(a)	7.5	8.5
27	ESTIMATED TEMPERATURE	°C			
28	MAX ALLOWABLE TEMPERATURE FOR PROCESS REASONS	°C			
29	ESTIMATED SPECIFIC HEAT RATIO	Cp/Cv			
30	ESTIMATED COMPRESSIBILITY FACTOR	z			
31	ESTIMATED ABSORBED SHAFT POWER	kW	By vendor		
32	POLYTROPIC EFFICIENCY (ESTIMATED)	%			
33	GUARANTEE POINT	(normal-other)			
34	ELECTROMOTOR CONNECTION		Straight Coupling		
35	ACCESSORIES		Sequencer Controller ACS & VSD		
36	COOLING		Air Cooled		
37					