

1	ELECTRIC MOTOR DATA SHEET		DOCUMENT No.	
2	PROJECT			
3				
4	LOCATION		Tag No.	
5	GP-1, LK-1, 300 sekcija		IK-301	
6	EQUIPMENT TYPE ☒ centrifugal pump ☐ fan ☐ other ☐ Piston compresor			
7	OPERATING ENVIRONMENT ☐ outside ☐ shed ☒ building ☐ other			
8	Ambient temperature from -36 °C to 40 °C			
9	☐ normal ☐ fire hazardous		Category	
10	☒ explosive		CORROSION CLASS ☒ C4 ☐ other	
11	ZONE ☐ 0 ☐ 1 ☒ 2		☐ IIA ☐ IIB ☒ IIC	
12	☐ T1 ☐ T2 ☐ T3 ☒ T4		☐ T5 ☐ T6	
13	KEY TECHNICAL REQUIREMENTS			
14	TYPE ☒ asynchronous ☐ with squirrel-cage rotor ☐ with phase-wound rotor			
15	☐ synchronous ☐ other			
16	STANDARDS ☒ EN 60034 ☒ EN 50014 ☐ other			
17	SHELL ☐ aluminum ☒ steel ☐ other			
18	METHOD OF INSTALLATION ☒ IM1001 ☐ IM3001 ☐ other			
19	COOLING ☒ IC411 ☐ IC418 ☐ other			
20	OPERATING MODE ☒ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐ S6 ☐ S7 ☐ S8 ☐ S9			
21	VOLTAGE ☒ 6000V ☐ 400V ☐ 380V ☒ 50Hz ☒ 3F ☐ other			
22	POWER 2000 kW		SPEED 2975 rpm ☒ IP55 ☐ other	
23	CONNECTION ☐ Δ ☒ Y		OUTPUTS ☒ 3 ☐ 6 INSULATION CLASS ☒ F ☐ H ☐	
24	START-UP ☒ direct ☐ using VFD ☐ using soft starter			
25	EXPLOSION SAFETY ☐ CE ☒ ATEX Group II Category ☐ 1G ☒ 2G ☐ 3G			
26	Designation ☒ Ex ☐ d ☒ de ☐ e ☐ nA ☐ p ☐ other			
27	☐ IIA ☐ IIB ☒ IIC ☐ T1 ☐ T2 ☐ T3 ☒ T4 ☐ T5 ☐ T6			
28	AXLE HEIGHT 360 mm		ROTATION DIRECTION ☐ → ☐ ← ☒ ↔	
29	CONNECTION BOX ☐ on top ☒ left side ☐ right side		Rotation ☐ 90° ☒ 180°	
30	Cable lead-ins ☐ xM25 ☐ xM32 ☐ xM40 ☒ xM50 ☒ xM63 ☐			
31	Terminals ☐ core without lug ☐ core with lug ☐ other			
32	☐ bolt mounted seal plate			
33	POWER CABLE ☒ 1 ☐ 2		Cores ☐ CU ☒ AL No. x cross-section 3 x 95 mm ²	
34	Insulation ☐ PVC ☐ XLPE ☐ rubber ☒ paper ☐		☐ Ø 47+57 mm	
35	armour ☒ steel strips/tape ☐ steel wire ☐ shield		installation ☒ conduit ☐ open	
36	Seals ☐ to be suppl ☐ additional end adapter ☒ tightened with rubber			
37	☒ connection with conduit installation ☐ external thread ☐ internal thread			
38	Additional lead-ins ☒ separate box 2 xM20 ☐ 1 xM25 ☐ other			
39	Additional cables ☐ Ø mm Armour ☐ steel strips ☐ steel wire ☐ shield			
40	Seals ☐ to be suppl ☐ additional end adapter ☐ tightened with rubber			
41	☐ connection with conduit installation ☐ external thread ☐ internal thread			
42	HEATING ☐ front bearing ☐ end bearing ☐ motor chamber ☐ cable connection box			
43	☒ 230V 50Hz ☐ lube oil tanks ☒ other <i>anticondensation</i>			
44	WINDING THERMO SENSORS ☐ PTC ☒ PT100 ☐ bimetallic ☐ °C ☐ 1xF ☐ 2xF			
45	BEARING THERMO SENSORS ☐ PTC ☒ PT100 ☐ °C ☒ front ☒ rear			
46	BEARINGS ☐ rolling-element ☐ ball ☐ roller ☐ sleeve ☒ as per manufact. Recom			
47	☐ lubricated for unlimited period ☒ with lubrication points ☒ with forced lubrication ☐ with spontaneous lubricat			
48	WARRANTIES ☐ full warranty period ☒ 12 months ☐ 24 months ☐ other			
49	☐ electric motor service time 20 years			
50	DOCUMENTATION		☒ detailed technical data sheet ☒ X ☒ RU	
51	☒ manuals		☒ installation ☒ X ☒ RU	
52	☒ ATEX compliance declaration		☒ operation ☒ X ☒ RU	
53	☒ factory testing and measurement reports		☒ maintenance ☒ X ☒ RU	
54	☐ winding data		☒ X ☒ RU	
55	☒ electric motor shaft drawing		☐ LT ☐ EN ☐ RU	
56	☒ electric motor cross-section drawing with specified parts		☒ X ☒ RU	
57	☒ motor explosion safety element layout drawing with specified allowable gap dimensions		☒ X ☒ RU	
58	PRESENTATION OF INFORMATION IN THE PROPOSAL			
59	Technical data shall be provided by filling in the attached Electric motor drawing, scope of supply, delivery conditions and terms shall be submitted.			
60	COMMENTS, APPROVALS			