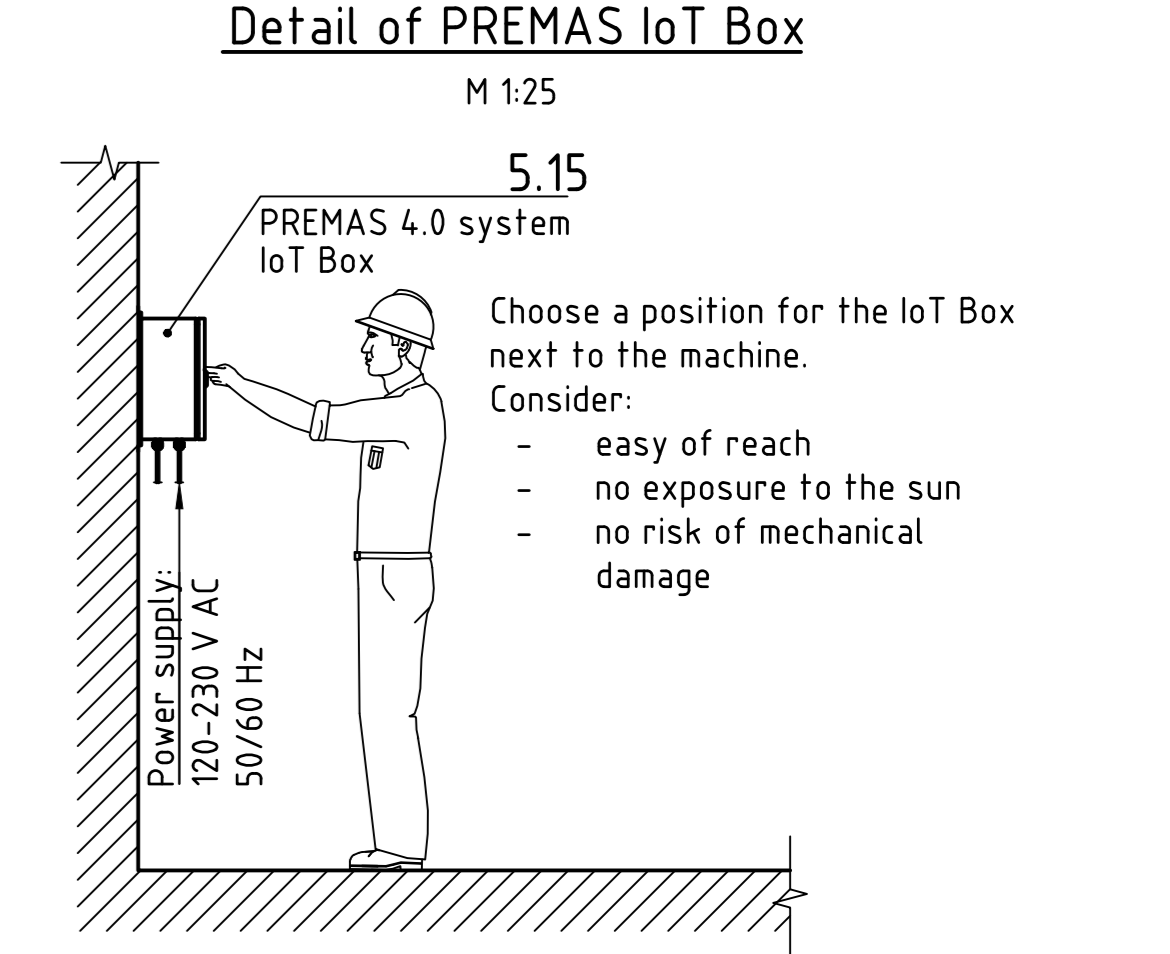


TECHNICAL DATA			
PROJECT NO.	: 790531	ITEM NO.	: 1
BELT BUCKET ELEVATOR SIZE	: BW-G 1600/415	BUCKET SPACING [mm]	: 530
DRIVE DRUM Ø [mm]	: 1288	FILLING RATE [%]	: 6152
CENTRE DISTANCE [mm]	: 87800	MATERIAL	: Raw Meal
BELT QUALITY	: H 35	BULK DENSITY [t/m³]	: 0.8
CONVEYING CAPACITY [t/h]	: 1200	PARTICLE SIZE [mm]	: 1
VELOCITY [m/s]	: 2.097	MATERIAL TEMP. [°C]	: 150
AMBIENT TEMPERATURE [°C]	: -15 to 40		
DRIVE DATA			
DRIVE SHAFT CAPACITY [kW]	: 425.26 (1.1t/m³, 69.7388)	SPEED OF ROTATION [rpm]	: 30.72
AC-MOTOR	: SIEMENS or similar	SPEED OF ROTATION [rpm]	: 1491
STANDARD	: IEC (IE3)	SHAFT SIZE [ØxL mm]	: 95 x 100
TYPE AND SIZE	: 355	INSULATION	: F/B
CAPACITY [kW]	: 355	TYPE OF PROTECTION	: IP55
VOLTAGE [V]	: 400	STRUCTURAL FORM	
FREQUENCY [Hz]	: 50	WEIGHT [kg]	: 2140
SUPPLIER	: AUMUND		
Frequency Converter supplied by: Customer			
BEVEL-HELICAL GEAR UNIT	: Flender	WITH BACKSTOP	: yes
OUTPUT SHAFT DESIGN	: Solid Shaft	WITH BACKSTOP	: yes
GEARBOX SIZE	: B3SH15	OIL QUANTITY [l]	: 210
NOM. POWER RATING [kW]	: 480	INPUT SHAFT [ØxL mm]	: 70 x 105
NOM. RATIO	: 50	OUTPUT SHAFT [ØxL mm]	: 230 x 410
DESIGN [2.2]	: B	SENSE OF ROTATION [2.2]	: left
DESIGN [2.3]	: D	SENSE OF ROTATION [2.3]	: right
SUPPLIER	: AUMUND	OPERATING WEIGHT [kg]	: 4746
FLEXIBLE COUPLING	: FLENDER	BORE INPUT SIDE [ØxL mm]	: 230 x 290
TYPE AND SIZE	: Rupex - RWN 800	BORE OUTPUT SIDE [ØxL mm]	: 240 x 290
SUPPLIER	: AUMUND	WEIGHT [kg]	: 760
FLEXIBLE COUPLING	: FLENDER	BORE INPUT SIDE [ØxL mm]	: 95 x 100
TYPE AND SIZE	: N-EUPLEX - A 250	BORE OUTPUT SIDE [ØxL mm]	: 70 x 100
SUPPLIER	: AUMUND	WEIGHT [kg]	: 31
CONTROL EQUIPMENT (EXISTING ELECTRICAL SAFETY DEVICES)			
LEVEL LIMIT SWITCH IN THE BUCKET ELEVATOR BOOTH			
TYPE	: Bindicator AB-S		
VOLTAGE	: 115 - 480 V AC ; Frequency: 50 - 60Hz ; 24 - 250VDC	SUPPLIER	: EXISTING
PROXIMITY SWITCH MOVEMENT DETECTOR			
TYPE	: NJS-18-GK-N-150 (Peppert & Fuchs)		
VOLTAGE	: 8 V DC Namur (DD0203)	SUPPLIER	: EXISTING
SPEED MONITOR INSTALLED IN THE MOTION CONTROL CENTRE			
TYPE	: Peppert & Fuchs KHUR - Dw - 1D		
VOLTAGE	: 115 - 230 V AC ; 47 - 63 Hz ; 24 V DC	SUPPLIER	: EXISTING
PROXIMITY SWITCH FOR STRAIGHT-RUN CONTROL OF BELT			
TYPE	: Peppert & Fuchs MCB 15 + UT + U		
VOLTAGE	: 20 - 253 V AC ; 20 - 300 V DC	SUPPLIER	: EXISTING
Additional scope of supply.			
Installed according to separated installation manual.			
5.15	1x	PREMAS 4.0 SYSTEM	
		TYPE : BWG	
		VOLTAGE : 120 - 230 V AC / 50-60Hz	SUPPLIER : AUMUND
5.16	1x	Software subscription	
		TYPE : BWG 1600	SUPPLIER : AUMUND
5.17	1x	CCMS (Clamping Connection Monitoring System)	
		TYPE : BWG 1600	
		VOLTAGE : POWER SUPPLY BY PREMAS 4.0	SUPPLIER : AUMUND

AUMUND SCOPE OF SUPPLY		
11	1x	Attachment components at Bucket Elevator Head
11.1	1x	Drive drum cpl.
12	1x	Tension drum cpl.
13	1x	Belt Bucket strand cpl.
2	1x	Drive Unit without Frequency Converter
5.15	1x	PREMAS 4.0
5.16	1x	Software subscription
5.17	1x	CCMS (Clamping Connection Monitoring System)
6.1-6.2	2x	Assembly tools for belt installation

AUMUND CERTIFIED DRAWING
VALID FOR CONSTRUCTION
Datum: 10.09.2023
Signatur: U.Sujatta



Zeichnungsänderungen nur im PDM-System zulässig!			
Index	Änderung / Modification	Datum / Date	Name / Name
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100