SPARE PARTS

Skin drum 16

Model 2018-20xx

1. Table of contents.

1. Table of content.
2. Spare parts.
3. Air diagrams.
4. Electric diagrams.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	28	11406010	Hexagon bolt M6x10 FZB
2	4	11408016	Hexagon bolt M8x16 FZB
3	2	11412035	Hexagon bolt M12x35 FZB
4	4	17908000	Self-locking nut M8 FZB
5	1	197504	CEE Wall socket 5P/16A/400V
6	2	19767	HG Logo - big 205x108mm
8	1	600460	Cable gland M16 Ø2,5-8
9	1	600470	Cable gland nut polyamid M16
10	2	82106000	Washer M6 FZB
11	8	82108000	Washer M8 FZB
12	2	82112000	Washer M12 FZB
13	26	82606000	Washer Ø6,4x18x1,6 FZB
14	1	M101472	Control tower
15	1	M102004	Stickers for Skindrum
16	1	M102077	Shaft for gate
17	1	M102079	Gate assembly
18	1	M102084	Funnel for exit
19	1	M102089	Skind drum Subassembly
20	1	M102096	Motor cover
21	1	M102101	Right cover assembly
22	1	M102103	Left side cover
23	1	M102106	Foot cover end
24	1	M102107	Foot cover end
25	1	M102108	Foot - End cover

Break all edges

Revision:	Approved	Date:	Revision Description
4	kl	03-01-2018	Air regulator and Ø60mm support wheels changed

The document is strictly confidential and may not in no account be copied or discloses to any third person HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 12	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /3
Part No.: 190069	Material:		
Description 1: HG skin drum 16			
Description 2: Selfemptying Hair/leather			

Break all edges

Revision:	Approved	Date:	Revision Description
4	kl	03-01-2018	Air regulator and Ø60mm support wheels changed

The document is strictly confidential and may in no account be copied or discloses to any third person.

HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 12	Not specificed tolerance according to: DS/ISO 2768-m	Sheet size: A3
	Surface properties: No	Sheet: 2 /3
Part No.: 190069	Material:	
Description 1: HG skin drum 16		
Description 2: Selfemptying Hair/leather		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	140872	Wood screw pan head 5 x 16
2	6	76006012	Buttonhead bolt M6x12 FZB
3	1	M101468	Consol for El box
4	1	M101471	Lidt for consol
5	1	M102556	Control box Skin Drum 16

Breake all edges

Revision:	Approved	Date:	Revision Description
2	MBO	21-03-2017	Display Box changed

The document is strictly confidential and may not be in no account be copied or discloses to any third person.
HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 6	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /1
Part No.: M101472	Material:		
Description 1: Control tower			
Description 2:			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	600100	Push button Emergency stop
2	1	600335	Push button yellow 1NO XB4BA51
3	1	600345	Push button red 1NC XB4BA42
4	1	600350	Push button green/light 1NO+1NC XB4BW33B5
5	1	600375	Switch block ZB4BZ104 2NC
6	1	600460	Cable gland M16 Ø2,5-8
7	2	600465	Cable gland M25 Ø7-14
8	1	600470	Cable gland nut polyamid M16
9	2	600480	Cable gland nut polyamid M25
10	1	600788	Push button green 1NO XB4BA31
11	1	600924	Panel, touch 5" X2 Base 5 - F2
12	5,0 m	601000	Cable OZ 2x0,75mm² PVC
13	5,0 m	601005	Cable JZ 12x0,75mm² PVC
14	1	M101707	Cable Ethernet - 5m
15	1	M102555	Electric box 289Lx239Wx107D
16	1	M102595	Label for Skin Drum 16 with 5" panel
17	1	M102715	Mounting electric box for skindrum 16

A-A (1 : 4)

Apply spiral pipe to all external cabels and wires

Break all edges

Revision:	Approved	Date:	Revision Description
2	KKS	13-06-2017	Updated Part List

HEDENSTED GRUPPEN

Scale: 1 : 4

Not specificed tolerance according to: DS/ISO 2768-m

Sheet size: A3

Surface properties: No

Sheet: 1 /1

Part No.: M102556

Material:

Description 1: Control box Skin Drum 16

Description 2:

The document is strictly confidential and may not be in no account be copied or discloses to any third person HEDENSTED GRUPPEN A/S

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	12	11406035	Hexagon bolt M6x35 FZB
2	1	11412035	Hexagon bolt M12x35 FZB
3	4	17910000	Self-locking nut M10 FZB
4	12	19206000	Drive in nut M6 FZB
5	4	20410035	Hexagon countersunk head M10x35 FZB
6	3,3 m	41592	Sealing strip
7	1	473089	Y-Bearing flange Ø25
8	12	82106000	Washer M6 FZB
9	1	82112000	Washer M12 FZB
10	1	M102063	Inne Plate for ring
11	1	M102076	Support spacer
12	1	M102078	Lid for gate
13	1	M102085	Washer for shaft
14	1	M102092	Lid for output
15	1	M102093	Shaft for lid
16	1	M102097	Lid press
20	1	426392	Grease nipple M6 45°

Break all edges

Revision:	Approved	Date:	Revision Description
3	KM	31-05-2017	Added 45 gr. nipple

The document is strictly confidential and may not in no account be copied or discloses to any third person.
HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 6	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /2
Part No.: M102079	Material:		
Description 1: Gate assembly			
Description 2:			

D (1 : 2)

C (1 : 2)

B (1 : 2)

A-A (1 : 8)

Break all edges

Revision:	Approved	Date:	Revision Description
3	KM	31-05-2017	Added 45 gr. nipple

The document is strictly confidential and may in no account be copied or discloses to any third person.

HEDENSTED GRUPPEN

HEDENSTED GRUPPEN A/S

Scale: 1 : 6	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 2 /2
Part No.: M102079	Material:		
Description 1: Gate assembly			
Description 2:			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	10204016	Hexagon cylinder head M4x16 FZB
2	2	11405008	Hexagon bolt M5x08 FZB
3	12	11406010	Hexagon bolt M6x10 FZB
4	4	11406016	Hexagon bolt M6x16 FZB
5	8	11408012	Hexagon bolt M8x12 FZB
6	4	11408016	Hexagon bolt M8x16 FZB
7	3	140854	Wood screw pan head 3,5 x 20
8	1	206694	Nut, panel mount 2962-89
9	2	210427	Lock nut M10x1,25 FZB
10	2	214130	F-Bracket QM/57032/25
11	1	214180	C-Bracket M/P71273/3
12	1	215405	Valve, shuttle 1/8"
13	1	215538	Gauge 0-4Bar 1/8" Ø50mm
14	2	215620	Flow control In-line Ø6 x Ø6
15	4	215730	Elbow swirvel Ø6 x 1/8"t
16	3	215760	Elbow swirvel Ø6 x 1/8"
17	1	215860	Y-connector 2xØ6 x Ø6
18	1	215870	Y-connector 2xØ8 x Ø8
19	1	215887	Y-connector 2xØ6 x 1/8"
20	1	216205	Regulator 1/8" 0,3-3,5 bar
21	1	216536	Elbow swivel Ø8 x 1/8"
22	2	216748	Plug Ø6 mm
23	24	7003205	Blind rivet Ø3,2x5 (1-2,5)
24	4	82104000	Washer M4 FZB
25	10	82106000	Washer M6 FZB
26	12	82108000	Washer M8 FZB
27	2	82605000	Washer Ø5,3x15x1,2 FZB
28	4	82606000	Washer Ø6,4x18x1,6 FZB
29	8	M101201	Dust shield
30	2	M101413	Dust cover binder
31	3,92 m	M101475	Brush FBL1310-K20
32	1	M101481	Front lid assembly
33	1	M101643	Ramp valve AV03x4-DSUB25
34	2	M102075	Cylinder RT-57232-M-160
35	1	M102087	Drum frame assembly
36	1	M102104	Dust cover Left
37	1	M102105	Right dust cover
38	1	M102109	Drum assembly
39	3,00 m	M200085	Roller chain 12B1 3/4"
40	1	M200087	Chain connection 12B1

Break all edges

Revision:	Approved	Date:	Revision Description
5	KKS	17-11-2017	Flow regulator and fittings added

The document is strictly confidential and may in no account be copied or disclosed to any third person HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 20	Not specificed tolerance according to: DS/ISO 2768-m	Sheet size: A3
	Surface properties: No	Sheet: 1 /2
Part No.: M102089	Material:	
Description 1: Skind drum Subassembly		
Description 2:		

A (1 : 4)

Break all edges

Revision:	Approved	Date:	Revision Description
5	KKS	17-11-2017	Flow regulator and fittings added

The document is property of HEDENSTED GRUPPEN A/S and may not be copied or disclosed to any third person.

HEDENSTED GRUPPEN

Scale: 1 : 20	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 2 /2
Part No.: M102089	Material:		
Description 1: Skind drum Subassembly			
Description 2:			

C (1 : 6)

A (1 : 6)

B (1 : 6)

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	11408016	Hexagon bolt M8x16 FZB
2	4	11412035	Hexagon bolt M12x35 FZB
3	4	11412055	Hexagon bolt M12x55 FZB
4	4	17908000	Self-locking nut M8 FZB
5	8	17912000	Self-locking nut M12 FZB
6	2	473093	Y-Bearing block Ø40
7	4	64408030	Cup head square neck bolt M8x30 FZB
8	10	82108000	Washer M8 FZB
9	12	82112000	Washer M12 FZB
10	4	82120000	Washer M20 FZB
11	1	M102086	Frame base assembly
12	1	M102088	Tilt bracket
13	1	M102098	Drum frame base
14	1	M102113	Motor assembly
15	4	M102553	Washer Ø13x30x4 FZB
16	1	M102558	Mechanic Stop Left
17	1	M102559	Mechanic Stop Right
18	2	M102596	Vibration absorber Ø20x8 - M8

Break all edges

Revision:	Approved	Date:	Revision Description
2	KL	05-04-2017	Tiltstop added

The document is strictly confidential and may in no account be copied or discloses to any third person HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 12	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /1
Part No.: M102087	Material:		
Description 1: Drum frame assembly			
Description 2:			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	210178	Regulator with filter 1/4" 0,3-10 bar (AutoDrain)
2	1	215530	Nut, panel mount 4248-01
3	1	215550	Gauge 0-10 bar 1/8" Ø40
4	1	216358	Elbow 1/4"t x 1/4" (M/F)
5	2	216537	Elbow swivel Ø8 x 1/4"
6	1	217040	Quick release coupling Plug 1/4" female
7	2	7003205	Blind rivet Ø3,2x5 (1-2,5)
8	1	M101466	Elbow swivel Ø8 x 1/4"t
9	1	M101996	ID plate for Skindrum
10	1	M102102	Right side cover

A (1 : 3)

Breake all edges

Revision:	Approved	Date:	Revision Description
2	KL	02-01-2018	Regulator changed to B72G

The document is strictly confidential and may in no account be copied or discloses to any third person.
HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 5	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /2
Part No.: M102101	Material:		
Description 1: Right cover assembly			
Description 2:			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	240	140851	Wood screw pan head 3,5 x 15
2	4	M102099	Drum cover
3	1	M102111	Drum cleaning assembly

Breake all edges

Revision:	Approved	Date:	Revision Description
3	KL	05-04-2017	Height on wood beams changed

The document is strictly confidential and may not in no account be copied or discloses to any third person.
HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 10	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /2
Part No.: M102109	Material:		
Description 1: Drum assembly			
Description 2:			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	20	17905000	Self-locking nut M5 FZB
2	32	2706070	Wood screw countersunk head 6 x70
3	16	2706130	Wood screw countersunk head 6 x130
4	20	76005012	Buttonhead bolt M5x12 FZB
5	20	82105900	Washer M5 FZB
6	8	M101203	Cleaning plate
7	1	M101230	Intake end
8	2	M102090	Seperator plate
9	10	M102091	Seperator bracket
10	3,7 m	M102095	Brush for groove H25x8x8
11	8	M102110	Tumbler beam
12	1	M102115	Drum Outtake plate
13	8	M102116	Wood beam
14	20	M202000	Wood screw pan head 3,5 x 20

Breake all edges

Revision:	Approved	Date:	Revision Description
2	KL	05-04-2017	Wooden beams changed to 90mm

The document is strictly confidential and may in no account be copied or discloses to any third person HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 12	Not specificed tolerance according to: DS/ISO 2768-m	Sheet size: A3
	Surface properties: No	Sheet: 1 /2
Part No.: M102111	Material:	
Description 1: Drum cleaning assembly		
Description 2:		

A-A (1 : 10)

Breake all edges

HEDENSTED GRUPPEN	Scale: 1 : 12	Not specificed tolerance according to: DS/ISO 2768-m	Sheet size: A3
		Surface properties: No	Sheet: 2 /2
Part No.: M102111	Material:		
Description 1: Drum cleaning assembly			
Description 2:			

The document is strictly confidential and may in no account be copied or discloses to any third person.
HEDENSTED GRUPPEN A/S

Revision:	Approved	Date:	Revision Description
2	KL	05-04-2017	Wooden beams changed to 90mm

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	10205040	Hexagon cylinder head M5x40 FZB
2	4	10206030	Hexagon cylinder head M6x30 FZB
3	2	11408020	Hexagon bolt M8x20 FZB
4	3	11408025	Hexagon bolt M8x25 FZB
5	1	11412035	Hexagon bolt M12x35 FZB
6	8	17905000	Self-locking nut M5 FZB
7	7	17908000	Self-locking nut M8 FZB
8	1	17912000	Self-locking nut M12 FZB
9	1	214010	D2-Bracket QA/8040/42
10	2	215992	Flow control Banjo Ø6 x 1/4"
11	4	425938	Wire connector
12	4	4809335	Washer SRKB Ø9x35x3 FZB
13	4	76008020	Buttonhead bolt M8x20 FZB
14	2	82108000	Washer M8 FZB
15	4	82112000	Washer M12 FZB
16	6	82608000	Washer Ø8,4x24x2 FZB
17	4,0 m	M100039	Inox wire 7x7 Ø3
18	1	M101384	Lid assembly
19	2	M101387	Braket for lid - bottom
20	1	M101388	Braket for lid
21	1	M101400	Shaft for lid
22	1	M101445	Right arm for lid
23	1	M101448	Wire emergency stop 2/NC
24	1	M101449	Wire emergency stop 2/NC
25	1	M101450	Arm for lid
26	1	M101451	UF bracket QM/8040/32
27	1	M101461	Chain cover
28	1	M101624	Cylinder PRA/182040/M/250

Revision:	Approved	Date:	Revision Description
4	KKS	16-11-2017	Flow adjustment added

Breake all edges

The document is strictly confidential and may in no account be copied or disclosed to any third person.

HEDENSTED GRUPPEN A/S

Scale: 1 : 7	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /1
Part No.: M101481	Material:		
Description 1: Front lid assembly			
Description 2:			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	10210030	Hexagon cylinder head M10x30 FZB
2	4	11408016	Hexagon bolt M8x16 FZB
3	4	1516000	Nut M16 FZB
4	4	17908000	Self-locking nut M8 FZB
5	4	17916000	Self-locking nut M16 FZB
6	1	214128	F-Bracket QM/8080/25
7	2	216683	Reduction stem Ø8 pipe x Ø6
8	4	82108000	Washer M8 FZB
9	4	82110000	Washer M10 FZB
10	1	M101216	Frame Base
11	1	M101479	Eletrical box for skin drum
12	1	M101622	D2-Bracket QA/8100/42
13	1	M101623	Cylinder PRA/182100/M/100
14	2	M101641	Flow control banjo Ø8 x 1/2”
15	4	M200102	Machine shoe M16x70xØ70

Break all edges

Revision:	Approved	Date:	Revision Description
3	KKS	16-11-2017	Flow adjustment added

The document is strictly confidential and may not be in no account be copied or discloses to any third person HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 10	Not specificed tolerance according to: DS/ISO 2768-m	Sheet size: A3
	Surface properties: No	Sheet: 1 /1
Part No.: M102086	Material:	
Description 1: Frame base assembly		
Description 2:		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	11408016	Hexagon bolt M8x16 FZB
2	2	11410050	Hexagon bolt M10x50 FZB
3	2	17910000	Self-locking nut M10 FZB
4	4	20408020	Hexagon countersunk head M8x20 FZB
5	1	204796	Key 8x7x80mm DIN-6885A
6	2	4809335	Washer SRKB Ø9x35x3 FZB
7	1	M101213	Shaft for Gear
8	1	M101214	Gear slide mount
9	1	M101226	Sprocket 12b1 Z20 Ø25
10	1	M102100	Gear mortor assembly

Breake all edges

Revision:	Approved	Date:	Revision Description
2	KKS	28-07-2017	Drawing updated

The document is strictly confidential and may in no account be copied or discloses to any third person.
HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 3	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /1
Part No.: M102113	Material:		
Description 1: Motor assembly			
Description 2:			

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	206731	Safety controller 24VAC/DC Cat3
2	1	50171	CEE Plug male 5P/16A/400V Phase inverter
3	1	600282	Contactor LP1K0901B 9A 3NO-1NC
4	1	600358	Main switch VBF-01 20A 3P Black
5	1	600359	Main switch zero terminal VZ-11
6	1	600369	Main switch ground terminall VZ-14
7	5	600460	Cable gland M16 Ø2,5-8
8	5	600465	Cable gland M25 Ø7-14
9	5	600470	Cable gland nut polyamid M16
10	5	600480	Cable gland nut polyamid M25
11	31	600550	Terminal block WDU_2,5
12	3	600555	End plate WAP 2,5-10
13	1	600585	Terminal block WPE 2,5
14	4	600590	End bracket EW 35
15	5,0 m	600640	Cable JZ 5x2,5mm² PVC
16	1	600665	Terminal block PE KM11E
17	1	600930	Socket for RXM2
18	1	600935	Relay 12A 2C/0 w. led 24VDC
19	1	601035	Automatic fuse 16A C 1P+N
20	1	601095	Automatic fuse 10A C 1P+N
21	1	601275	Power supply 1P 24V 2,5A
22	1	601322	Combi blok GV2AF01
23	1	875101	Motor protection 2,5-4,0A
24	1	M101563	Electric box 400x600x250
25	1	M102013	Low Leak filter for M200-02 1x230V
26	1	M102118	Freq. inverter 1,1kW 1x230V Emerson
27	1	M102121	PLC Idec SmartAxis - FT1A-B40RSA
28	1	M11620	Electrical mounting of M101479

Breake all edges

Revision:	Approved	Date:	Revision Description
4	KKS	13-06-2017	Updated Part List

The document is strictly confidential and may in no account be copied or discloses to any third person HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 4	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 1 /3
Part No.: M101479	Material:		
Description 1: Eletrical box for skin drum			
Description 2:			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	206731	Safety controller 24VAC/DC Cat3
2	1	50171	CEE Plug male 5P/16A/400V Phase inverter
3	1	600282	Contactor LP1K0901B 9A 3NO-1NC
4	1	600358	Main switch VBF-01 20A 3P Black
5	1	600359	Main switch zero terminal VZ-11
6	1	600369	Main switch ground terminall VZ-14
7	5	600460	Cable gland M16 Ø2,5-8
8	5	600465	Cable gland M25 Ø7-14
9	5	600470	Cable gland nut polyamid M16
10	5	600480	Cable gland nut polyamid M25
11	31	600550	Terminal block WDU_2,5
12	3	600555	End plate WAP 2,5-10
13	1	600585	Terminal block WPE 2,5
14	4	600590	End bracket EW 35
15	5,0 m	600640	Cable JZ 5x2,5mm² PVC
16	1	600665	Terminal block PE KM11E
17	1	600930	Socket for RXM2
18	1	600935	Relay 12A 2C/0 w. led 24VDC
19	1	601035	Automatic fuse 16A C 1P+N
20	1	601095	Automatic fuse 10A C 1P+N
21	1	601275	Power supply 1P 24V 2,5A
22	1	601322	Combi blok GV2AF01
23	1	875101	Motor protection 2,5-4,0A
24	1	M101563	Electric box 400x600x250
25	1	M102013	Low Leak filter for M200-02 1x230V
26	1	M102118	Freq. inverter 1,1kW 1x230V Emerson
27	1	M102121	PLC Idec SmartAxis - FT1A-B40RSA
28	1	M11620	Electrical mounting of M101479

Breake all edges

Revision:	Approved	Date:	Revision Description
4	KKS	13-06-2017	Updated Part List

The document is strictly confidential and may in no account be copied or disclosed to any third person HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 4	Not specificed tolerance according to: DS/ISO 2768-m	Sheet size: A3
	Surface properties: No	Sheet: 2 /3
Part No.: M101479	Material:	
Description 1: Eletrical box for skin drum		
Description 2:		

A (1,5 : 1)

Breake all edges

Revision:	Approved	Date:	Revision Description
4	KKS	13-06-2017	Updated Part List

The document is strictly confidential and may in no account be copied or discloses to any third person.
HEDENSTED GRUPPEN A/S

HEDENSTED GRUPPEN

Scale: 1 : 4	Not specificed tolerance according to: DS/ISO 2768-m		Sheet size: A3
	Surface properties: No		Sheet: 3 /3
Part No.: M101479	Material:		
Description 1: Eletrical box for skin drum			
Description 2:			

Customer: Hedensted Gruppen A/S

Project: SKINDRUM 2015_03 3x400V

Hedensted Gruppen A/S
Vejlevej 15a
DK-8722 Hedensted
TLF: 75 89 12 44
FAX: 75 89 11 80

Index

Information D
21-08-2012 12:44:52

Declaration of incorporation E
03-09-2015 09:15:32

Main Circuit 1
25-07-2017 11:54:34

230VAC & 24VDC Control Circuit 2
13-06-2016 12:30:50

Emergency stop Circuit 3
31-08-2016 12:29:16

Frequency converter Control circuit 4
31-08-2016 14:57:36

PLC 5
25-07-2017 11:54:44

PLC Input X0 - X7 6
07-06-2016 10:27:16

PLC Input X10 - X17 7
07-06-2016 10:20:52

PLC Input X20 - X27 8
07-06-2016 10:20:52

PLC Output Y0 - Y7 9
14-06-2016 08:31:24

PLC Output Y10 - Y17 10
13-06-2016 14:11:30

PLC list 11
14-06-2016 08:31:42

Cable list 12
13-06-2016 12:47:30

Part list 14
25-07-2017 11:54:54

Information

WIRE IDENTIFICATION:

The wire is identified with the terminal number of the component.

WIRE COLOUR:

MAIN CIRCUIT:	Phase	Black
	Neutral	Light blue
DC CONTROL CIRCUIT:	24VDC	Dark blue
	0VDC	White

THE FOLLOWING COLOUR ID IS TAKEN FROM DS/EN 60757

BK BLACK
BN BROWN
RD RD
OG ORANGE
YE YELLOW
GN GREEN
BU BLUE
VT VIOLET
GY GREY
WH WHITE
PK PINK

ALL SYMBOLS USED IS TAKEN FROM DS/EN 166

DECLARATION OF INCORPORATION

Directive 2006/42/EF, Annex II, B

Manufacturer

Firm: VS AUTOMATIC A/S
Address: Ormhøjgårdvej 15
DK-8700 Horsens

Phone: +45 75 64 18 99
Fax: +45 75 64 18 09
Email: info@vs-automatic.dk

Herewith declares that

Component: Controlpanel
Type: Skindrum 2015-03 Year of manufator: 2015

is intended to be incorporated into machinery or to be assembled with other machinery to constitude machinery covered by Directive 2006/42/EC

does therefor not in every respect comply with the provisions of this directive

does comply with the provisions of the following other EC directives

EC directives

EC machine directive 89/392/EEC, as per 91/386/EEC, 93/68/EEC, 93/44/EEC

EC low-voltage directives 73/23/EEC, as per 93/68/EEC, 93/465/EEC

EC EMC directive 89/336/EEC as per 92/31/EEC, 93/68/EEC, 93/465/EEC

Harmonized standards

EN60204-1 Safety of Machinery Electrical Equipment of Machines

EN60439-1 Low-voltage switchgear and controlgear assemblies part 1: Type-tested and partially type-tested assemblies

And furthermore declares that it is not allowed to put the machinery into service until the machinery into which it is to be incorporated or of which it si to be a component has been found and declarede to be in conformity with the provisions of Directive 98/37/EC and with national implementation legislation i.e. as a whole, including the machinery referred to in this declaration

Machine: SKINDRUM 2015_03 3x400V
Machine No.:
Type: Year of manufactor: 2015
Manufactor: Hedensted Gruppen A/S

Indentification of signature:

Firm: VS AUTOMATIC A/S
Address: Ormhøjgårdvej 15
DK-8700 Horsens

Date: Signature Torben Steffensen

25-07-2017

Torben Steffensen

VS AUTOMATIC Tlf. 75 64 18 99 - vs-automatic.dk En del af TS-GRUPPEN - Danmarks stærkeste El & Energi Installatør	Customer: Hedensted Gruppen A/S	Designer: HBL	Case no:Skindrum 2015-03
	Project: SKINDRUM 2015_03 3x400V	Last prt: 25-07-2017	Page ref.:+A0
	Pagetitle: Main Circuit	Last changed: 25-07-2017	Page: 1 of 14

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

VS AUTOMATIC Tlf. 75 64 18 99 - vs-automatic.dk En del af TS-GRUPPEN - Danmarks stærkeste El & Energi Installatør	Customer: Hedensted Gruppen A/S	Designer: HBL	Case no:Skindrum 2015-03
	Project: SKINDRUM 2015_03 3x400V	Last prt: 25-07-2017	Page ref.:+A0
	Pagetitle: Emergency stop Circuit	Last changed: 31-08-2016	Page: 3 of 14

00.035 {08.091} DO1 Control (terminal 10) = 15

00.034 {08.035} Digital Input 5 Mode = 0

01.014=3 (Preset)
00.010=1 (All)
01.021=Reference 1 (bak lav) Hz 30
01.022=Reference 2 (frem) Hz 50
01.023=Reference 3 (bak høj) Hz 50
08.022=06.030
08.023=06.032
08.024=01.045
08.025=01.046
00.038=1
00.041=UR
0.46=10
0.47=6
0.48=1
00.049=1.1
00.050=0
00.051=0
00.055=Relay

· The drive enable signal is not given, terminal 31 and 34 are open
· The run signal is not given, terminal 12/13 is open
· The motor is connected to the drive
· The motor connection is correct for the drive ▫ or Y
· The correct supply voltage is connected to the drive

· Minimum speed Pr 00.001 (Hz) 15
· Maximum speed Pr 00.002 (Hz) 50

· Acceleration rate Pr 00.003 (s/100 Hz) 5
· Deceleration rate Pr 00.004 (s/100 Hz) 5

· Motor rated current in Pr 00.006 (A)
· Motor rated speed in Pr 00.007 (rpm)
· Motor rated voltage in Pr 00.008 (V)
· Motor rated power factor in Pr 00.009
· If the motor is not a standard 50/60 Hz motor, set Pr 00.039 accordingly

4.18 24VDC
4.18 0VDC
24VDC
0VDC 6.1
-A4
(3/14),(6/5)
-W5.9
+
-
PE
S/S
24VDC
-K5.9
FT1A-B40RSA
Relay 10A
Relay 2A
Transistor
Q0 Q1 Q2 Q3
Q4-Q7
Q10-Q13
Q14-Q17
COM0
COM1
COM2
COM3
COM4
COM5
COM6 (+)
V6 (-)
R232
3.3 24VDC1
6.7 24VDC1
3.18 0VDC1
3.3 PE1
+24VDC
0VDC
PE
X2 BASE 5
-D5.14
3.18 24EME
24VDC
24EME 6.3
24VDC 6.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

-A4
(5/11)
5.12 24VDC1
-S6.7
13
14
XB4BA31
-S6.9
21
22
XB4BA42
JZ 12x0,75
-W3.3
(3/14)
8
9
5.18 24EME
4.4 ERROR
-X6 I2
-X6 I3
I0
I1
I2
I3
I4
I5
I6
I7
FT1A-B40RSA
-K5.9
5.18 24VDC
5.18 0VDC
24VDC 7.1
0VDC 7.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
EMERGENCY STOP OK
ERROR DRUM
START
STOP
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE

I10
I10
FT1A-B40RSA
-K5.9
I11
I11
FT1A-B40RSA
-K5.9
I12
I12
FT1A-B40RSA
-K5.9
I13
I13
FT1A-B40RSA
-K5.9
I14
I14
FT1A-B40RSA
-K5.9
I15
I15
FT1A-B40RSA
-K5.9
I16
I16
FT1A-B40RSA
-K5.9
I17
I17
FT1A-B40RSA
-K5.9
6.18 24VDC
6.18 0VDC
24VDC
0VDC
9.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE

I20
I20
FT1A-B40RSA
-K5.9
I21
I21
FT1A-B40RSA
-K5.9
I22
I22
FT1A-B40RSA
-K5.9
I23
I23
FT1A-B40RSA
-K5.9
I24
I24
FT1A-B40RSA
-K5.9
I25
I25
FT1A-B40RSA
-K5.9
I26
I26
FT1A-B40RSA
-K5.9
I27
I27
FT1A-B40RSA
-K5.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE

7.18
0VDC
10.1
-K5.9
FT1A-B48RSA
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
-X7
-W9.1
WH
BK/HW
GN
GR
PK
-Y9.2
-Y9.4
-Y9.6
-Y9.8
DOOR IN
TILT
DOOR OUT CLOSE
DOOR OUT OPEN
AVAILABLE
AVAILABLE
AVAILABLE
AVAILABLE

9.18
0VDC
0VDC
-K5.9
FT1A-B48RSA
Q10
Q0
Q11
Q1
Q12
Q2
Q13
Q3
Q14
Q4
Q15
Q5
Q16
Q6
Q17
Q7
Q14
4.4
Q15
4.4
Q16
4.4
Q17
4.5
-K10.8
A1
A2
LP1K0901BD
1
2
AVAILABLE
3
4
AVAILABLE
5
6
AVAILABLE
7
8
16A PLUG FOR
HG SAW DUST
TRANSPORT
4A MAX
OPTION
1/16
9
10
DRUM STF
11
12
DRUM STR
13
14
DRUM
SPEED 1
15
16
DRUM
SPEED 2
17
18

Alle kanter reifes
Breake all edges

REV	DESCRIPTION	DATE	APPROVED
02	12/14 changed on V3	24-10-2017	KL
01	Made	05-10-2016	MRH

REVISION HISTORY

This document is strictly confidential and must on no account be copied or disclosed to any third person.
HEDENSTED GRUPPEN A/S

Hedensted Gruppen

Scale:	Ikke angivet tolerancer iht./ Not specificed tolerance according to: DS/ISO 2768-m	Sheet size: A3
	Overfl. beskaffenhed/Surface properties: No	Sheet: 1 /1
Part No.: 190069	Material:	
Description: HG Skindrum 2016		
Description:		

Hedensted Gruppen A/S

Diagram		Airdiagram Skindrum 2016_02		Rev: 01
Bom no.		Parts list Airdiagram Skindrum 2016_02		Sign. KL
Title		HG Skindrum 2016		
Pos	Qty	Description	HG no.	Supplier no.
C1	1	Cylinder PRA/182040/M/250	M101624	PRA/182040/M/250
C2	1	Cylinder PRA/182100/M/100	M101623	PRA/182100/M/100
C3 + C4	2	Cylinder RT-57232-M-160	M102075	RT-57232-M-160
V1 + V2 + V3	1	Ramp valve AV03x4-DSUB25	M101643	R480753132
FR1	1	Regulator with filter 1/4" 0,3-10 bar (Auto drain)	197329	B92G-2GK-AT1-RMG
1	1	UF bracket QM/8040/32	M101451	QM/8040/32
2	2	Flow control Banjo Ø6 x 1/4"	215992	C0K510628
3	1	F-Joint QM/8080/25	214128	QM/8080/25
4	2	Flow control banjo Ø8 x 1/2”	M101641	C0K510848
5	2	Reduction stem Ø8 pipe x Ø6	216683	C00230806
6	2	F-Bracket QM/57032/25	214130	QM/57032/25
7	2	Lock nut M10x1,25 FZB	210427	M10x1,25 FZB
8	4	Elbow swirvel Ø6 x 1/8"t	215730	C01470618
9	1	Valve, shuttle 1/8"	215405	T65C1800
10	3	Elbow swirvel Ø6 x 1/8"	215760	C02470618
11	1	Y-connector 2xØ6 x 1/8"	215887	C02880618
12	1	Y-connector 2xØ6 x Ø6	215860	C00820600
13	2	Flow control In-line Ø6 x Ø6	215620	C00GE0600
14	1	Ramp valve AV03x4-DSUB25	M101643	R480753132
15	2	Plug Ø6 mm	216748	110040600
16	4	Hexagon cylinder head M4x16 FZB	10204016	ISO 4762, 8.8, FZB
17	1	Elbow swivel Ø8 x 1/8"	216536	C02470818
18	1	Regulator 1/8" 0,3-3,5 bar	216205	R07-100-RNEG
19	1	Nut, panel mount 2962-89	206694	2962-89
20	1	Gauge 0-4Bar 1/8" Ø50mm	215538	18-013-011
21	1	C-Bracket M/P71273/3	214180	ISO 6431
22	2	Hexagon bolt M6x10 FZB	11406010	ISO 4017, 8.8, FZB
23	1	Y-connector 2xØ8 x Ø8	215870	C00820800
24	2	Elbow swivel Ø8 x 1/4"	216537	C02470828
25	4	Buttonhead bolt M6x16 FZB	76006016	ISO 7380, 10.9, FZB
26	4	Self-locking nut M6 FZB	17906000	DIN 985, 8.8, FZB
27	1	Elbow swivel Ø8 x 1/4"t	M101466	C01470828
28	1	Elbow 1/4"t x 1/4" (M/F)	216358	150430028
29	1	Quick release coupling Plug 1/4" female	217040	CEJN 320