Medium Beta RF Rack "	Type G' - Power
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	ŀ		<u> </u>	Device	Dovico	<u> </u>		Power	ł	1	•	
Rack	- 1	Device	Device	Device	Device Weight	Mounting	Power	Rating	PDU	Supply	Device Power	Dissipation
"U" N	0.	Device	Height	[mm]	[kg]	Supports	Type	[VA]	MCB	Cable	Connection	[W]
	47	Rack Name Plate	1U									
	46	1U Blank Panel	1U									
	45 44 43 42	Filament P/S	4U	500	~10	Slide rails	1x230 VAC	1000	1K16	3G2.5 (1LNPE)	IEC 60 320-1 C20	150
	41	1U Blank Panel	1U									
	40 39	Solenoid #1 P/S	2U	500	16	Slide rails	3x400 VAC	6000	3K16	4G2.5 (3LPE)	Fixed Connection	350
	38 37	Solenoid #1 P/S	2U	500	16	Slide rails	3x400 VAC	6000	3K16	4G2.5 (3LPE)	Fixed Connection	350
	36 35	2U Blank Panel	2U									
	34 33	Ion Pump Controllers (2 units) with Rack Mounting Shelf	2U	350	~10	Slide rails	1x230 VAC 1x230 VAC	100 100	1C6 1C6		IEC 60 320-1 C14 IEC 60 320-1 C14	40
	32	1U Blank Panel	1U									
	31 30	Driver Amplifier	2U	600	15	Slide rails	1x230 VAC	800	1D16	3G2.5 (1LNPE)	IEC 60 320-1 C14	525
۲	29	1U Blank Panel	1U									
RAI	28 27 26	Circulator TCU	3U	300	~5	Slide rails	1x230 VAC	500	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	50
=	25	1U Blank Panel	1U									
UT 19"	24 23 22	Arc Detectors (ARC4)	3U	300	~5	Slide rails	1x230 VAC	200	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	50
	21	1U Blank Panel	1U									
FRONT	20 19 18	Arc Detectors (MIS) #1	3U	150	~2		24 VDC		 			
	17	1U Blank Panel	1U									
	16 15 14	Arc Detectors (MIS) #2	3U	150	~2		24 VDC					
	13	1U Blank Panel	1U									
	12 11 10	3U Blank Panel	3U									
	9	Patch Panel	1U									
	8 7 6	3U Blank Panel	3U									
	5 4 3 2	AC Power Distribution Unit	4U								·	
	1	PDU Support Rails	1U									
												1515

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Rack "U" No.	Device	Device Height	Depth [mm]	Device Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
47 46 44 43 42 41 40 39 38 38 37 36 36 35 34 33		10	200		<u> </u>		<u>i i</u>				<u> </u>
31 30 29	Directional Couplers	4U									
BEAR 131 28 29 28 26 24 22 23 20 21 10 10 11 11 10 10 9 8 8 7 6 5 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1		10	50	~1		1x230 VA	C <u>; </u>	1C10	3G1.5 (1LNPE)	Fixed Connection	

	PDU	Device	PDU Circuit Breaker	PDU Panel-mount Rear Connection		Device Cable	
	Pos.#	Device	PDO Circuit Breaker	PDO Panel-inount Real Connection	Туре	Start Connector	End Connector
	1 2 3	PDU Main Switch					
	4 5 6		3K16	Harting Han Q5 Socket	4G2.5 (3LPE)	Harting Han Q5 Plug	No Connector
A.C. Dovues	7 8 9	Solenoid #2 P/S	3K16	Harting Han Q5 Socket	4G2.5 (3LPE)	harting Han Q5 Plug	No Connector
AC Power Distribution	10 11 12	Spare	3K16	Harting Han Q5 Socket			
	13	Filament P/S	1K16	IEC 60 320-1 C19	3G2.5 (1LNPE)	IEC 60 320-1 C20	IEC 60 320-1 C19
	14	Driver Amplifier	1D16	IEC 60 320-1 C13	3G2.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	15	Circulator TCU	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	16	Arc Detectors (ARC4)	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	17	Ion Pump Controller 1	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	18	Ion Pump Controller 2	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	19	Spare	1C10	IEC 60 320-1 C13			
	20	Spare	1C6	IEC 60 320-1 C13			
	21						
	22	Power Socket Strip	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	

Medium Beta RF Ra	k "Type E' - Monitoring	

Rack "U" No		Device	Device Height		Device Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipatio [W]
	47	Rack Name Plate	1U									
	46	Meter/Counter	1U	~100	~1		24 VDC					
	45	Patch Panel	1U									
	44 43 42	T&M 1	3U	450	5	Slide rails	1x230 VAC	250	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	50
	41 40	T&M 2	2U	300	5	I	1x230 VAC 1x230 VAC	100 100		•	IEC 60 320-1 C14 IEC 60 320-1 C14	40
	39	1U Blank Panel	1U									
	38 37 36 35 34 33 32 31	Operating Panel	9U	~100	~4		1x230 VAC		1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	20
9" RAILS	29 28 27 26	T&M 3	5U	200	~3		1x230 VAC	150	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	30
$\overline{\Omega}$	24	Patch Panel	1U									
	23	1U Blank Panel	1U									
\vdash	22	Keyboard shelf	1U						.			
FRON	21 20	Industrial PC	2U	500	~5	Slide rails	1x230 VAC	800	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	300
H R	19 18 17	Beckhoff DAQ	4U	300	~2		24 VDC					
	15 14	Signal Conditioning Unit	2U	~300	~2	Slide rails	24 VDC					12
	13 12 11	3U Blank Panel (PRL Controls Spare)	3U			Slide rails						
	10 9 8 7	PRL Controls	4U	360	~10	Slide rails	1x230 VAC	1000	1C10	3G1.5 (1LNPE)	IEC 60 320-1 C14	200
	6	Power Socket Strip	1U	50	~1		1x230 VAC		1C10	3G1.5 (1LNPE)	Fixed Connection	
	5 4 3	AC Power Distribution Unit	4U									
	1	PDU Support Rails	1U									
		. Do oupport Rails	- 10							•		672

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Rack "U" No.	Device	Device Height	Depth [mm]	Device Weight [kg]	Mounting Supports	Power Type	[VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
## BEAR 19 14 14 14 15 15 16 15 16 17 10 9 18 17 10 9 18 17 10 9 18 17 10 9 10 10 10 10 10 10	24 V, 10 A DC Power Supply and Distribution		200	~3	Mounting Panel	3x400 VAC	260	3C6	4G1.5 (3LPE)	Fixed Connection	20

	PDU	Device	DDLI Circuit Progless	DDLI Danel mount Boar Connection	_	Device Cable	
	Pos.#	Device	PDU Circuit Breaker	PDU Panel-mount Rear Connection	Туре	Start Connector	End Connector
	1 2 3	PDU Main Switch					
	4 5 6	DC Power Supply	3C6	Harting Han Q5 Socket	4G1.5 (3LPE)	Harting Han Q5 Plug	Fixed Connection
	7 8 9	Spare	3C6	Harting Han Q5 Socket			
AC Power	10	T&M 1	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
Distribution	11	T&M 2-1	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
2 10 01 110 010 10 1	12	T&M 2-2	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	13	T&M 3	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	14	Industrial PC	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	15	PRL Controls	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	16	Operating Panel	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	17	Spare	1C10	IEC 60 320-1 C13			
	18	Spare	1C6	IEC 60 320-1 C13			
	19						
	20						
	21						
	22	Power Socket Strip	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	

Medium Beta RF Rack "Type D' - LLRF and LPS	
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	47 46		Height	Depth [mm]	Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
	46	Rack Name Plate	1U									
-	45 44	Stepper Motor Controller	3U	300	~5		1x230 VAC	500	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	100
	43 42	Piezo Power Supply	2U	300	~2		1x230 VAC	200	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	50
-	41 40	PIN Diode & E-Pick Up PSS Relay	1U 1U	200 200	~2 ~2	 Slide rails	24 VDC					
	39 38 37 36 35 34 33 32	Micro TCA	9U	400	~8		1x230 VAC 1x230 VAC	i			IEC 60 320-1 C14 IEC 60 320-1 C14	400
S	30 29 L	Analog Signal Conditioning	2U	~300	~2	Slide rails	24 VDC					12
	28 27	Digital Signal Conditioning	2U	~300	~2	Slide rails	24 VDC					12
A A A A A A A	25 24 23 22 21 20 19 18 17 16 15 14 13	SIM	150	520	~20	Slide rails	1x230 VAC	500	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	100
[11 10 9	3U Blank Panel	3U									
	8 7 6	3U Blank Panel	3U									
	5 4 3 2	AC Power Distribution Unit	4U									
Ī	1	PDU Support Rails	1U									

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Rack "U" No.	Device	Device Height		Device Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
4	Network Patch Panel (6 pos.)	1U	200				<u> </u>				
4	Stop Motor Lunction Dov	111	200	~2		: :	·				
4	Step. Motor Junction Box	1U	200	~2	:	<u>:</u>	<u>:</u>	<u> </u>	<u> </u>	<u> </u>	<u>:</u>
4 4	Piezo Junction Box	1U	200	~2			·				· · · · · · · · · · · · · · · · · · ·
4.) :		200	i					i		·······
4	RF Splitter Box	1U	200	~2			:				
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4 4 3 3 3	9										
3	3										
3	7										
3	5										
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10	24 V, 10 A				Mounting						•
9	DC Power Supply	4U	200	~3	Panel	3x400 VAC	260	3C6	4G1.5 (3LPE)	Fixed Connection	1 20
7	and Distribution				1 01101						
,	Power Socket Strip	1U	50	~1		1x230 VAC	i	1C10	3G1.5 (11 NPF)	Fixed Connection	
5	and Distribution Power Socket Strip			i	ž		A		()	connection	
4	"										
4 3 2 1											
2											
	}										

	PDU	Device	PDU Circuit Breaker	PDU Panel-mount Rear Connection		Device Cable	
	Pos.#	Device	PDO CIrcuit Breaker	PDO Panel-mount Rear Connection	Туре	Start Connector	End Connector
	1 2 3	PDU Main Switch					
	4 5 6	DC Power Supply	3C6	Harting Han Q5 Socket	4G1.5 (3LPE)	Harting Han Q5 Plug	No Connector
	7 8 9	Spare	3C6	Harting Han Q5 Socket			
AC Power	10	Micro TCA (1)	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
Distribution	11	Micro TCA (2)	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
2.50.1.500.01.	12	SIM	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	13	Stepper Motor Controller	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	14	Piezo Power Supply	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	15	Spare	1D16	IEC 60 320-1 C13			
	16	Spare	1C6	IEC 60 320-1 C13			
	17	Spare	1C6	IEC 60 320-1 C13			
	18	Spare	1C6	IEC 60 320-1 C13			
	19						
	20						
	21						
	22	Power Socket Strip	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	