

Project: Project:

Revision 0

23.08.2021

1 E-138 EP3 E3-HST-131-FB-C-01

Emden-

no official measurements - ESTIMATED PACKING - FINAL PACKING LIST TO FOLLOW!

Pos.	Quantity	Description	Stackable	Deck option	Truck info per WEC	Max. length m	Max. width m	Max. height m	Single gross weight ton	Storage m ²	Volume m ³	Total gross weight ton	
TOWER													
1	1	Tower Base Control Unit (TBCU)								0,00	0,00	0,00	Preliminary
2	1	20' s.o. FR E-Module EP3-EM-05 assembly container	yes	yes		6,10	2,44	2,60	10,00	14,88	38,70	10,00	Preliminary
3	1	20' s.o. FR heat exchange unit; 2 PSP / FR	yes	yes		6,10	2,44	2,60	10,00	14,88	38,70	10,00	Preliminary
4	1	external staircase on 20' s.o. FR, max. 2 PSP/FR (seatransport only)	yes	yes		6,10	2,44	2,60	4,50	14,88	38,70	4,50	Preliminary
5	1	steel tower section 1 (net-length in m 28,50 flange 4,05 / 4,02) unpacked on saddles	no	yes	Adapter for clamp trailer required	28,64	4,05	4,20	54,50	115,99	487,17	54,50	Preliminary
6	1	steel tower section 2 (net-length in m 27,90 flange 4,02 / 4,32) unpacked on saddles	no	yes		28,04	4,32	4,47	68,50	121,13	541,46	68,50	Preliminary
7	1	TRANSITION Steel/MST tower section 3 (net-length in m 22,90 flange 4,32 / 4,35) unpacked on saddles	no	yes	vessel bridge or HAWART Adapter required	22,90	4,35	4,50	75,00	99,62	448,27	75,00	Preliminary
8	2	Delivery Unit MST Section 4	yes	yes		11,48	2,30		18,30	52,81	0,00	36,60	Preliminary
9	2	Delivery Unit MST Section 5	yes	yes		11,48	2,45		20,50	56,25	0,00	41,00	Preliminary
10	2	Delivery Unit MST Section 6	yes	yes		11,48	2,60		21,50	59,70	0,00	43,00	Preliminary
11	2	Delivery Unit MST Section 7	yes	yes		11,48	2,10		23,00	48,22	0,00	46,00	Preliminary
12	1	DU-HRC1-1 Tower Bolts 20' s.o. Bx	yes	yes		6,10	2,44	2,60	20,00	14,88	38,70	20,00	Preliminary
13	1	DU-CP Tower Coupling Plates 20' s.o. Bx	yes	yes		6,10	2,44	2,60	20,00	14,88	38,70	20,00	Preliminary
14	4	DU-INT1-7 Tower Internals 40' s.o. Bx	yes	yes		12,19	2,44	2,60	20,00	118,97	309,33	80,00	Preliminary
15	1	Foundation basket incl. load ring, 40' s.o. box Predelivery six weeks before	yes	yes		12,19	2,44	2,60	20,00	29,74	77,33	20,00	Preliminary
	22	TOTAL SHIPMENT (Tower):								776,85	2.057,06	529,10	

Project:

Revision 0

24.08.2021

1 E-138 E3 EP3 WEC

Emden-

no official measurements - ESTIMATED PACKING - FINAL PACKING LIST TO FOLLOW!

Pos.	Quantity	Description	Stackable	Deck option	Truck info per WEC	Max. length m	Max. width m	Max. height m	Single gross weight ton	Storage m ²	Volume m ³	Total gross weight ton
CONVERTER												
1	1	E-Nacelle	no	no		14,00	4,99	3,40	80,00	69,86	237,52	80,00
2	1	20' s.o. Box assembly material - may contain dangerous goods -	yes	yes		6,10	2,44	2,60	6,00	14,88	38,70	6,00
3	1	Hub on steel support	no	no		3,82	4,25	3,89	40,00	16,24	63,15	40,00
4	1	Generator - rotor central part on steel support incl. bearing unit	no	no		9,23	4,91	2,93	44,50	45,32	132,79	44,50
5	2	Generator - rotor side part on steel support	no	no	1 platform truck, side parts nested	8,01	2,32	1,65	9,50	37,17	61,32	19,00
6	1	Generator - stator half 12 o'clock on steel support	no	no		8,85	4,86	2,97	34,00	43,01	127,74	34,00
7	1	Generator - stator half 6 o'clock on steel support	no	no		8,85	4,47	2,97	34,00	39,56	117,49	34,00
8	3	E-138 E2/E3 RB with flange frame and tip-support Frame position on A) 0m and B) app. 55,45m Standard 0°-Orientation	yes, 3-high	yes	Trailer Setup	68,62	3,92	3,35	23,70	806,97	2705,77	71,10
9	3 b	E-138 E2/E3 RB with flange frame and tip-support Frame position on A) 0m and B) app. 55,45m Alternative 18°-Orientation f. Shipping	yes, 3-high	yes	Trailer Setup	68,62	3,59	3,69	23,70			
10	3 c	E-138 E2/E3 RB with flange frame and tip-support Frame position on A) 0m and B) app. 55,45m Dolly Configuration	no	Road only	Dolly Setup	67,87	3,94	3,40	25,39			
11	1	20' s.o. Box or FR, Grid Connection Material	yes	yes		6,10	2,44	2,60	8,50	14,88	38,70	8,50
12	1	20' s.o. Box, Tower Cable	yes	yes		6,10	2,44	2,60	8,50	14,88	38,70	8,50
13	1	20' s.o. FR, External Staircase for Steel Towers (ST), max. 2 PSP/FR (seatransport only)	yes	yes		6,10	2,44	2,60	10,00	14,88	38,70	10,00
	14	TOTAL SHIPMENT (Machine):								1117,66	3600,59	355,60