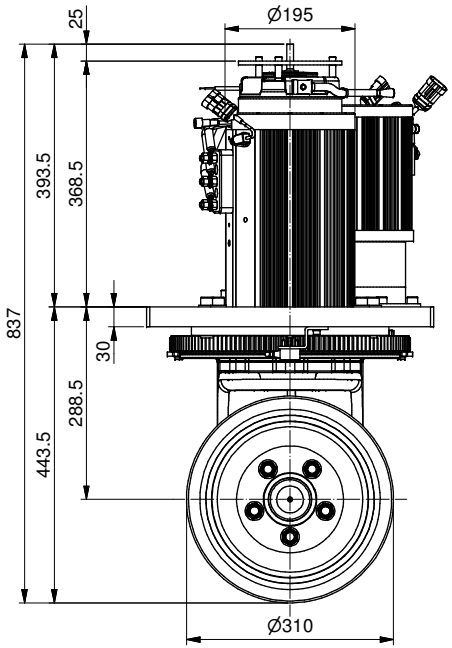
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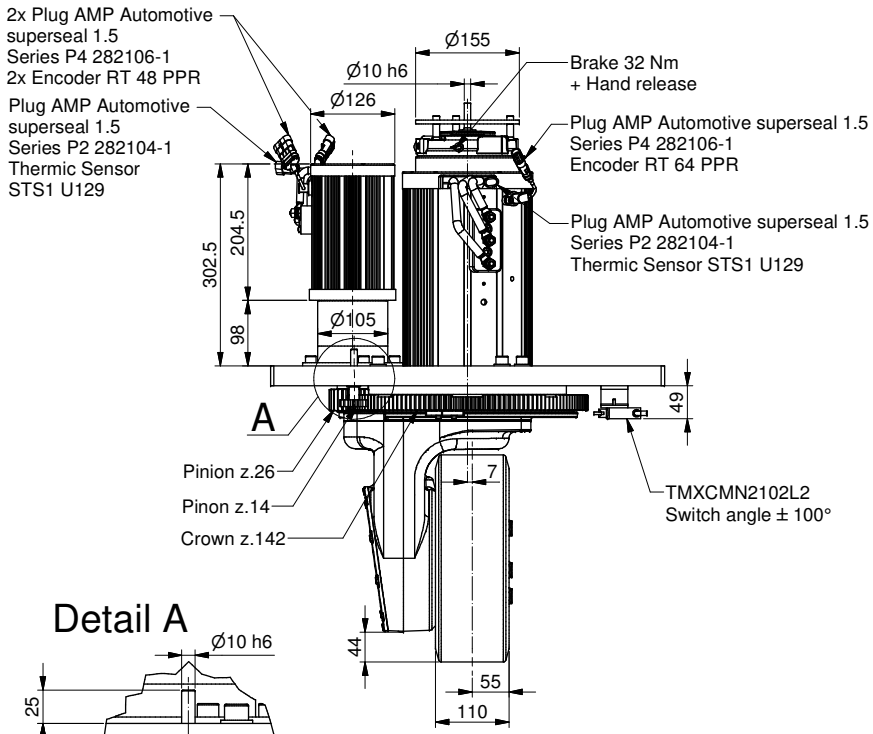
AC MOTOR IN WHEEL UNIT

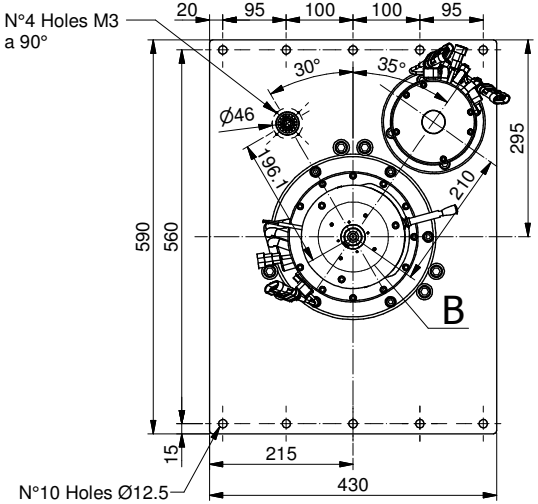
CODE **MRT98.A0101**

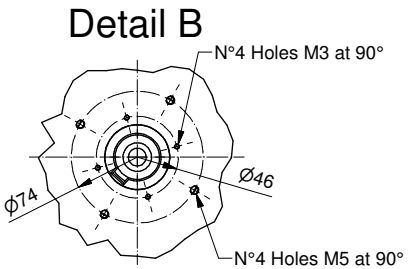
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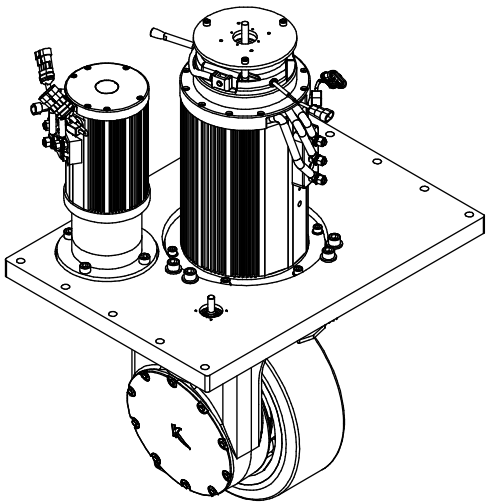
Date:











Traction motor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	5000
Motor voltage (~3)	V	27
Battery voltage	V	48
Speed	Rpm	2000
Frequency	Hz	68
Current	A	130
Torque	Nm	23.9
Enclosure	IP	44
AC motor type	AME173 - 150 - 4	

Traction gear data		
Gear ratio	i	1:25.6
Max accel. and braking torque	Nm	1400
Nominal wheel torque	Nm	550.7
Max load on vulkollan wheel	Kg	2600
Brake torque	Nm	32
Lubrication		Oil

Steering gearmotor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	800
Motor voltage (~3)	V	27
Battery voltage	V	48
Motor Speed	Rpm	3000
Frequency	Hz	100
Current	A	33
Motor torque	Nm	2.6
Gear ratio	i	1:45.56
Gear output torque	Nm	87
Enclosure	IP	44
Lubrication		Grease
AC motor type	AGE106 - 80 - 4	

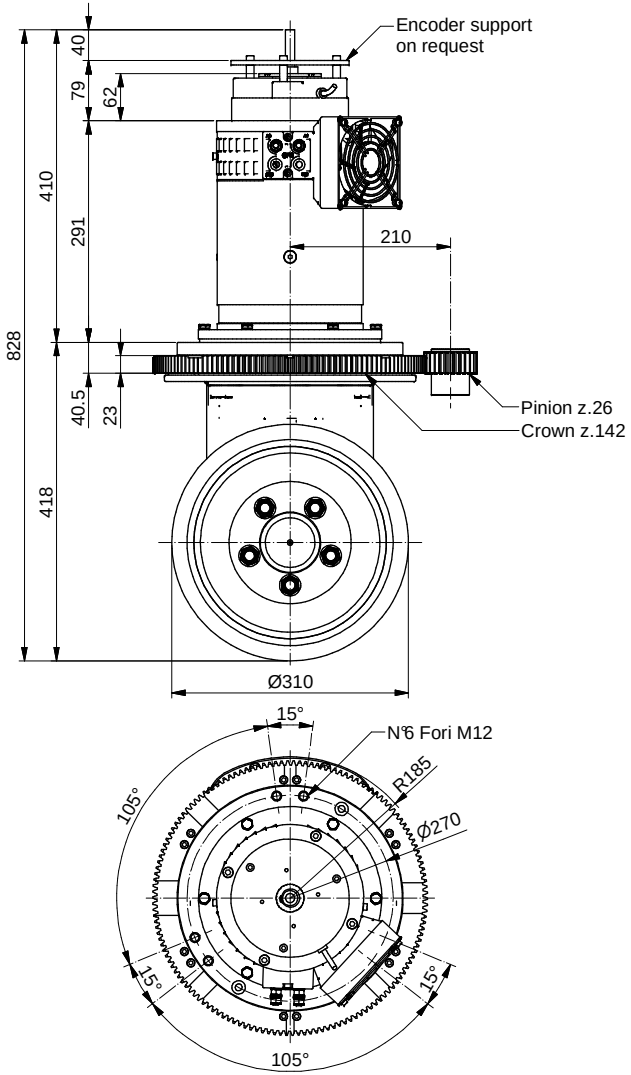
Total Weight	Kg	161

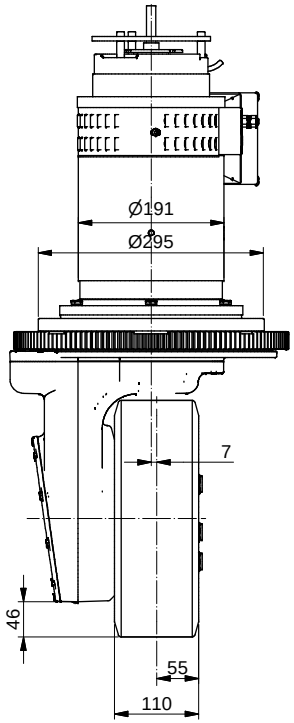
Data : *Date :* 21/11/2018	Scala : *Scale :* 1 : 8	**A3**
Dis : *Drawn :* R.P.		

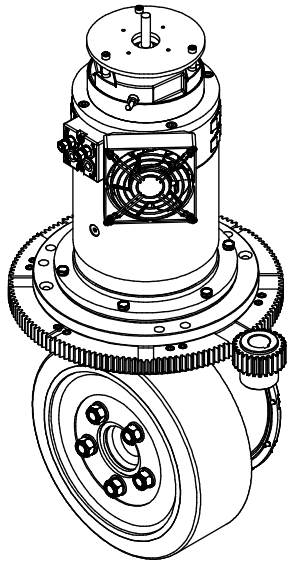
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D.C. MOTOR IN WHEEL UNIT

CODE **MRT98.DC001**







	Available on request
A	Motors: Permanent Magnet, Series Wound, Sepex, AC Asynchronous
B	Voltages: 24V, 36V, 48V, 72V, 80V, 96V
C	Gear Ratio: 1:25.3
D	Encoders application ; Thermic Sensor
E	Forced ventilation
F	

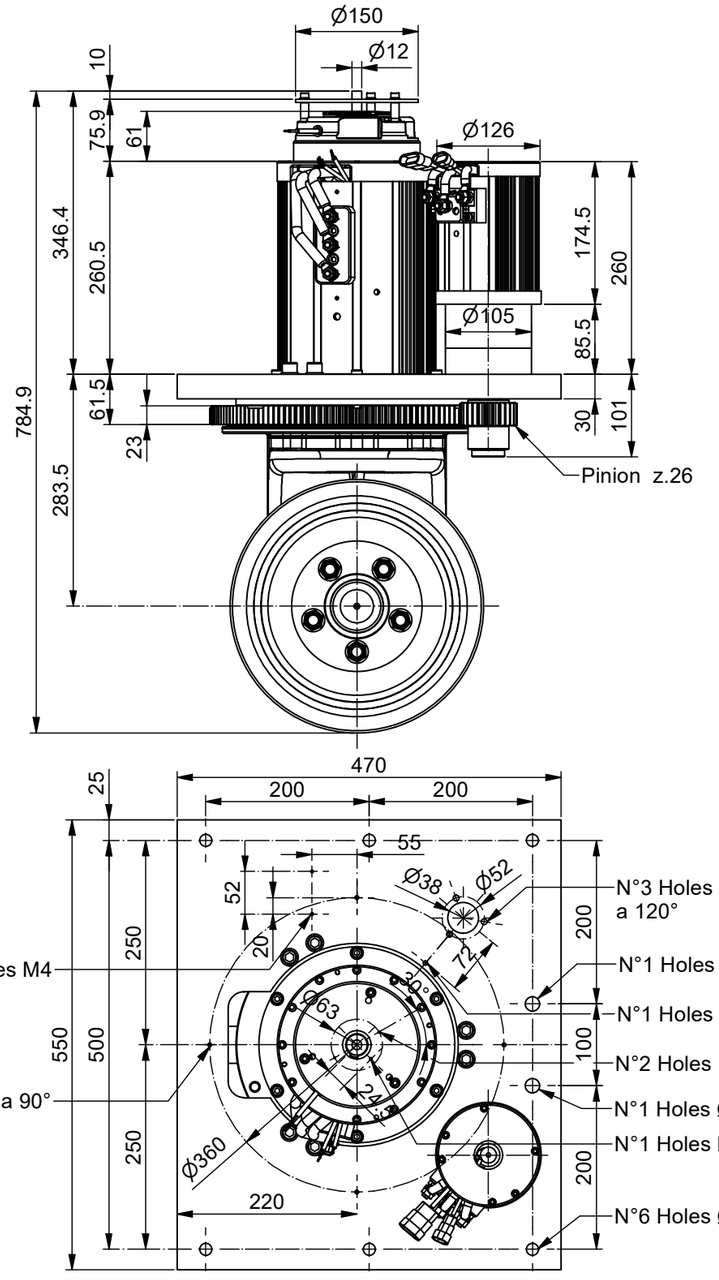
	Traction motor data		
1	Type : D.C. Permanent magnet		
2	Power (S2 - 60 min)	W	4000
3	Motor voltage	V	48
4			
5	Speed	rpm	1800
6			
7	Current	A	119
8	Torque	Nm	21.2
9			
10			
11	Enclosure	IP	20
12	Brake torque	Nm	32
	Traction gear data		
13	Max input motor power	W	6000
14	Gear ratio	i	1:25.3
15	Max accel. and braking torque	Nm	940
16			
17	Nominal wheel torque	Nm	376
18			
19			
20			
21	Lubrication		Oil
22	Max load on vulkollan wheel	kg	2000
23	Max load on polyurethan wheel	kg	
24	Max load on solid rubber wheel	kg	
	Steering gear motor data		
25	Type :		
26	Power (S2 - 60 min)	W	
27	Motor voltage	V	
28			
29	Motor Speed	rpm	
30			
31	Current	A	
32	Motor torque	Nm	
33	Enclosure	IP	
34			
35	Gear ratio	i	
36	Efficiency	η	

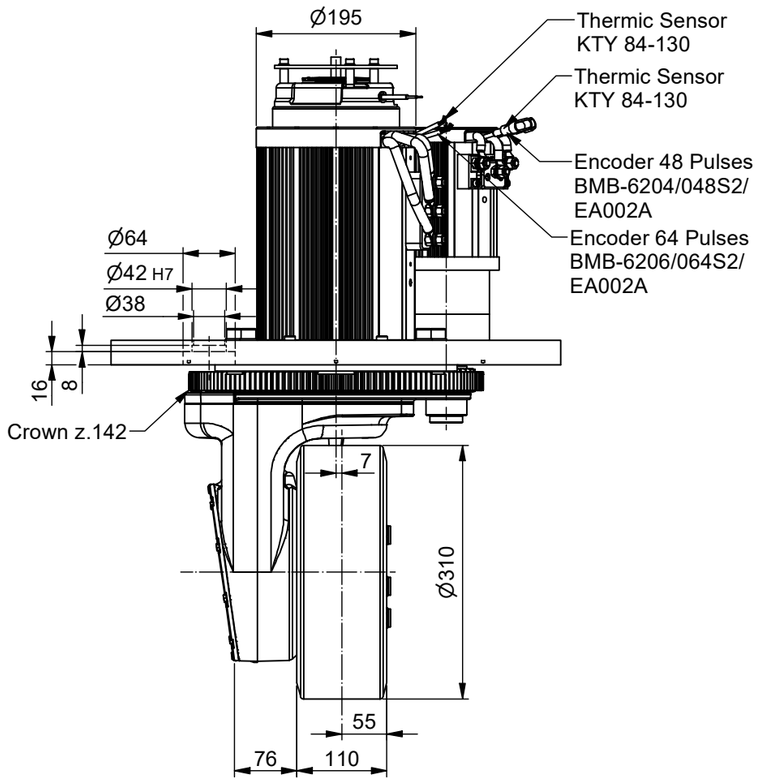
37	Total Weight	kg	130

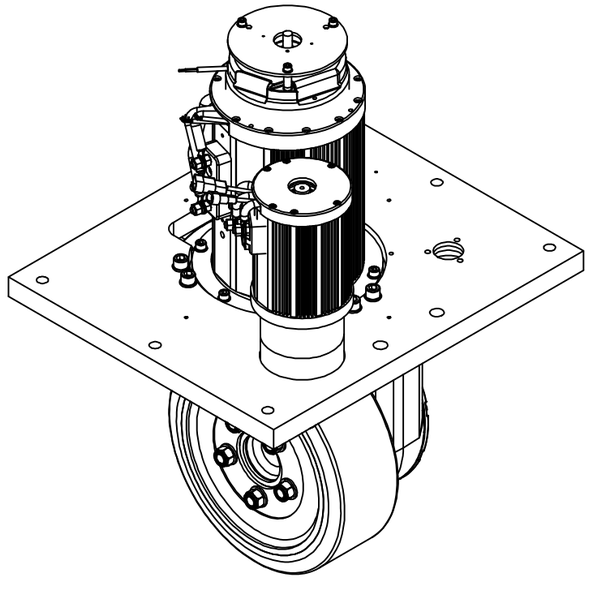
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AC MOTOR IN WHEEL UNIT

CODE **MRT98.A0010**







	Available on request
A	Motors: Permanent Magnet, Series Wound, Sepex, AC Asynchronous
B	Voltages: 24V, 36V, 48V, 72V, 80V, 96V
C	Gear Ratio:
D	Encoders application ; Thermic Sensor
E	Forced ventilation
F	

	Traction motor data		
1	Type : AC Asynchronous		
2	Power (S2 - 60 min)	W	3000
3	Motor voltage (~3)	V	27
4	Battery voltage	V	48
5	Speed	rpm	2900
6	Frequency	Hz	100
7	Current	A	78
8	Torque	Nm	9.9
9			
10			
11	Enclosure	IP	20
12	Brake torque	Nm	32
	Traction gear data		
13	Max input motor power	W	6000
14	Gear ratio	i	1:25.3
15	Max accel. and braking torque	Nm	1400
16			
17	Nominal wheel torque	Nm	213
18			
19			
20			
21	Lubrication		Oil
22	Max load on vulkollan wheel	kg	2000
23	Max load on poliurethan wheel	kg	
24	Max load on solid rubber wheel	kg	
	Steering gearmotor data		
25	Type : AC Asynchronous		
26	Power (S2 - 60 min)	W	800
27	Motor voltage (~3)	V	27
28	Battery voltage	V	48
29	Motor Speed	rpm	2800
30	Frequency	Hz	100
31	Current	A	33
32	Motor torque	Nm	2.7
33	Enclosure	IP	20
34			
35	Gear ratio	i	1:46
36	Efficiency	η	0.75

37	Total Weight	kg	175