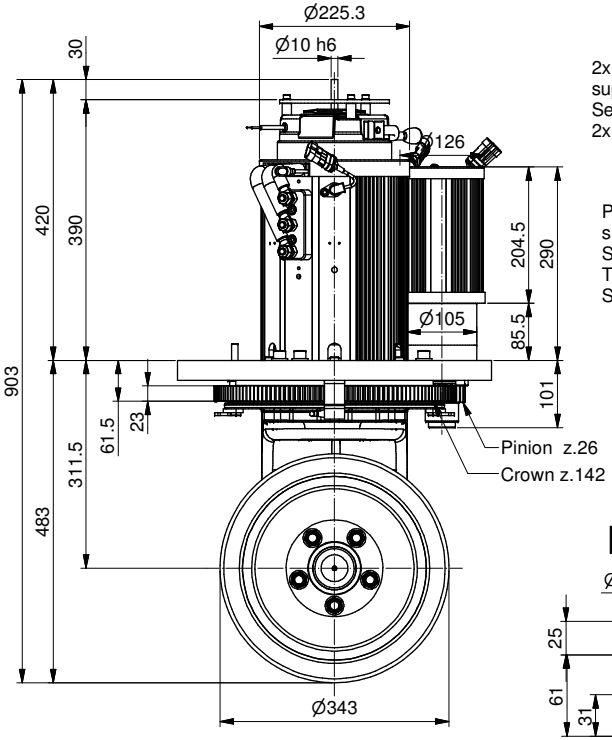
C.F.R. srl
Modena - Italy

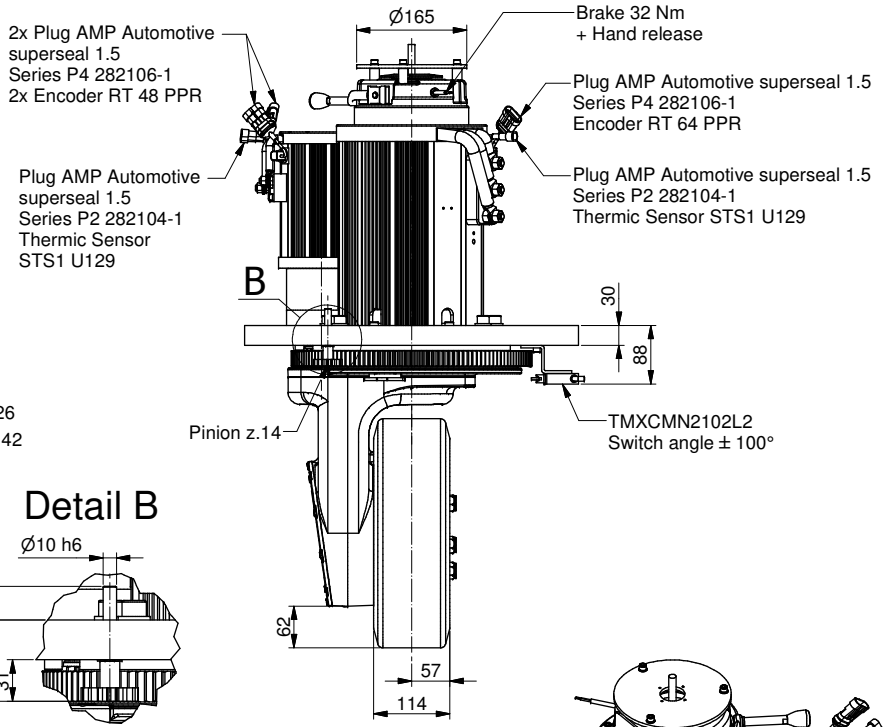
AC MOTOR IN WHEEL UNIT

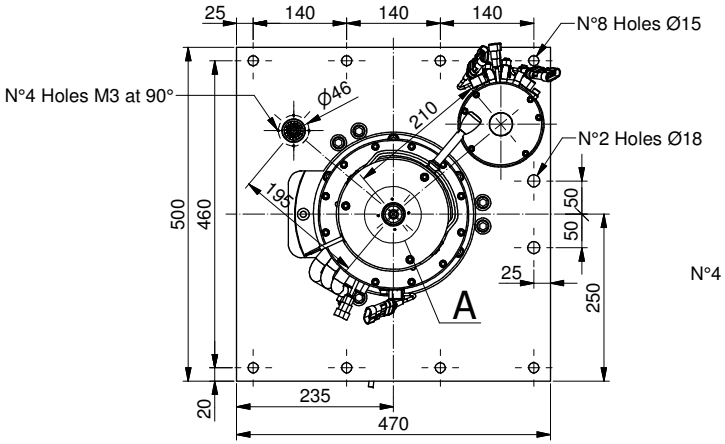
CODE **MRT99.A0101**

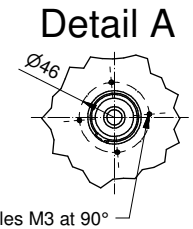
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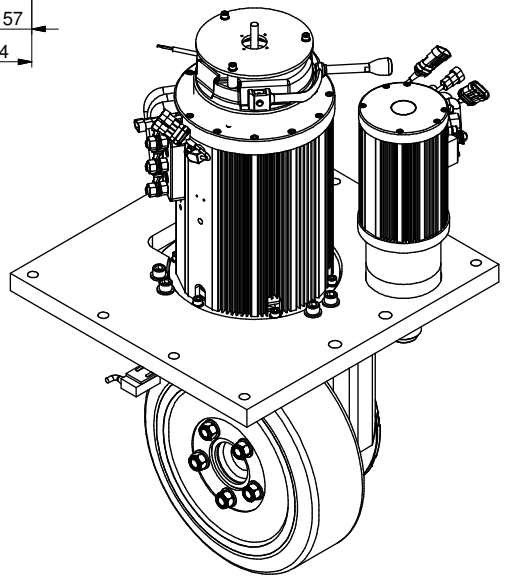
Date:











Traction motor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	6000
Motor voltage (~3)	V	27
Battery voltage	V	48
Speed	Rpm	2000
Frequency	Hz	68
Current	A	135
Torque	Nm	28.7
Enclosure	IP	44
AC motor type	AME200 - 160 - 4	

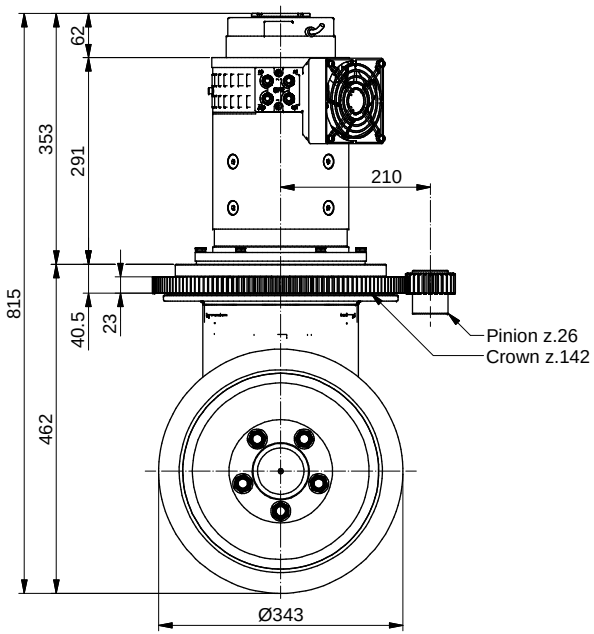
Traction gear data		
Gear ratio	i	1:25.6
Max accel. and braking torque	Nm	1400
Nominal wheel torque	Nm	661
Max load on vulkollan wheel	Kg	2600
Brake torque	Nm	32
Lubrication		Oil

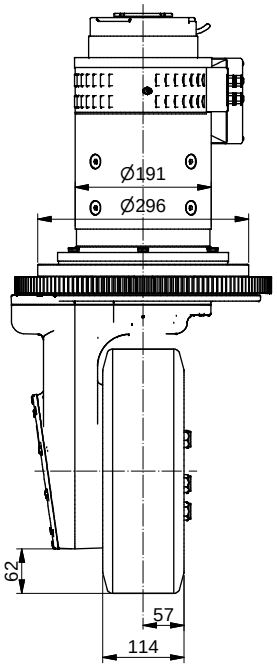
Steering gearmotor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	800
Motor voltage (~3)	V	27
Battery voltage	V	48
Motor Speed	Rpm	3000
Frequency	Hz	100
Current	A	33
Motor torque	Nm	2.6
Gear ratio	i	1:45.56
Gear output torque	Nm	87
Enclosure	IP	44
Lubrication		Grease
AC motor type	AGE106 - 80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

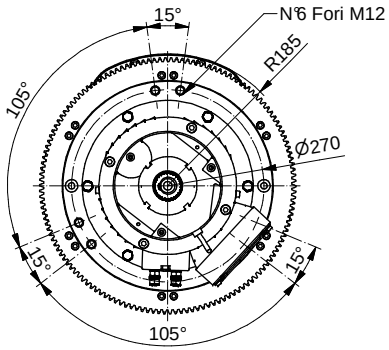
Total Weight	Kg	189

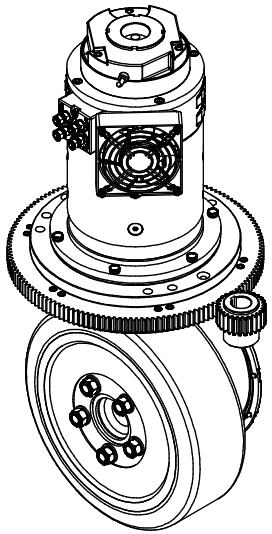
Data : *Date :* 21/11/2018	Scala : *Scale :* 1 : 8	**A3**
Dis : *Drawn :* R.P.		

C.F.R. srl Modena - Italy	D.C. MOTOR IN WHEEL UNIT	CODE MRT99.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.Shunt wound		
2	Power (S2 - 60 min)	W	4000
3	Motor voltage	V	48
4			
5	Speed	rpm	2000
6			
7	Current	A	119
8	Torque	Nm	19.1
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	338
18			
19			
20			
21	Lubrication		Oil
22	Max load on vulkollan wheel	kg	2200
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	135