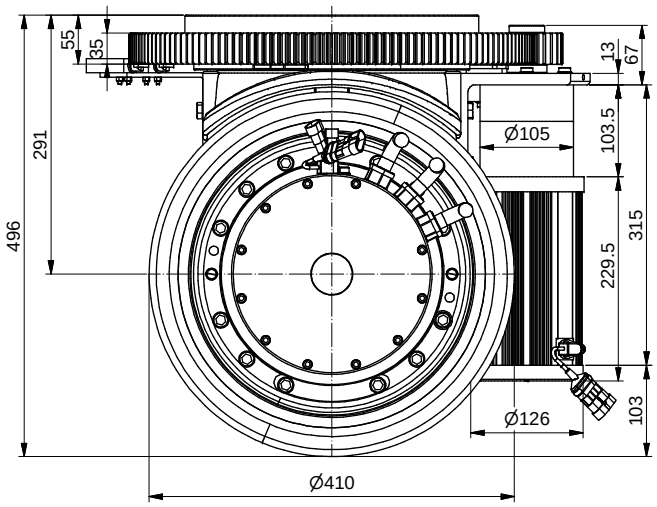
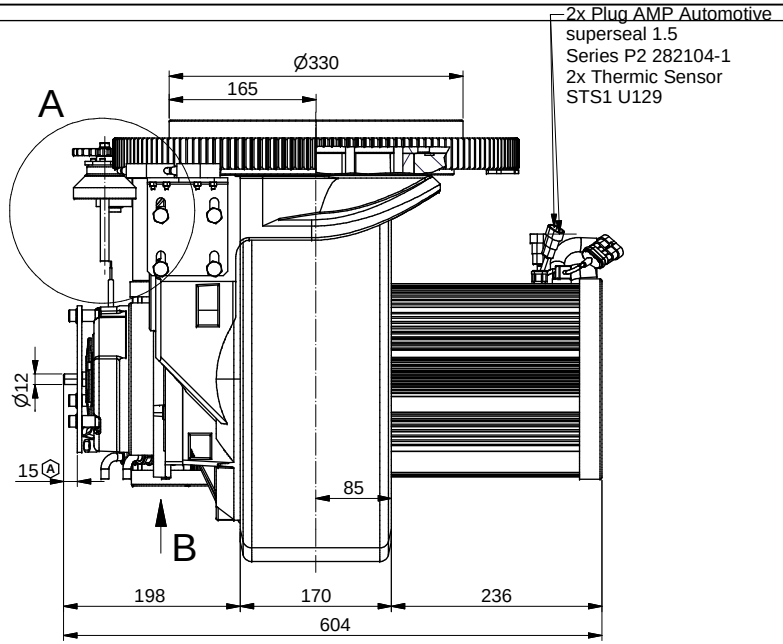
C.F.R. srl
Modena - Italy

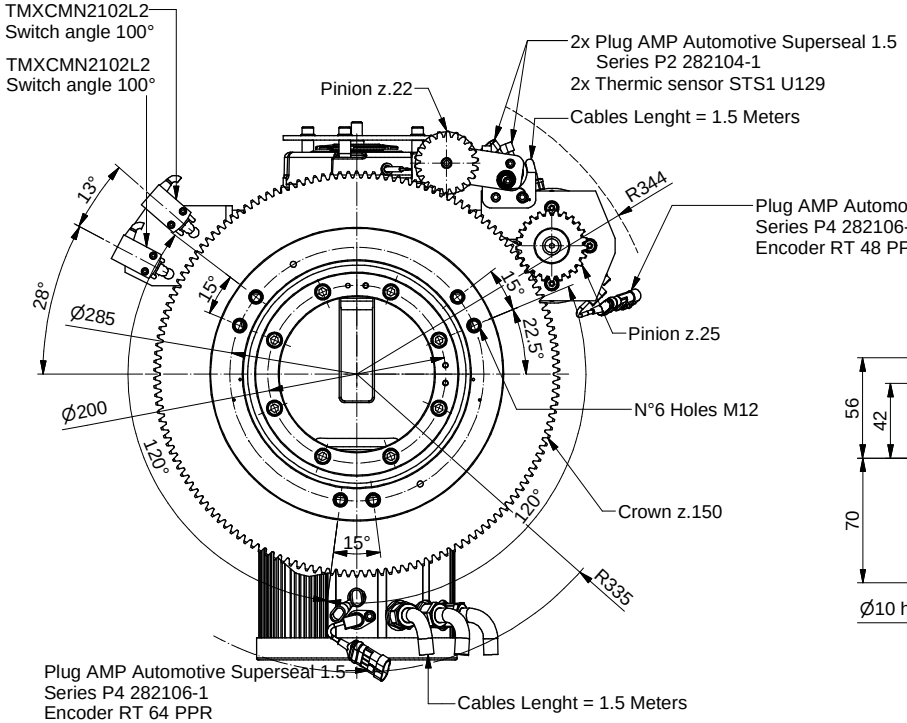
AC MOTOR IN WHEEL UNIT

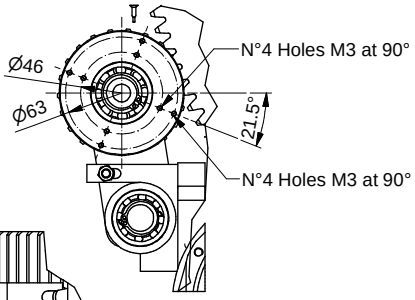
CODE
MRT41.0042

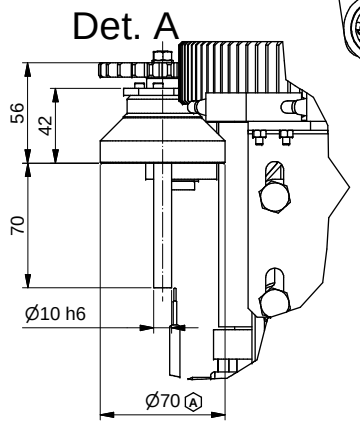
Rev.: A
Date: 20/05/2021











Traction motor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	6000
Motor voltage (~3)	V	27
Battery voltage	V	48
Speed	Rpm	1200
Frequency	Hz	40
Current	A	160
Torque	Nm	47.8
Enclosure	IP	65

Traction gear data		
Gear ratio	i	1:29.2
Max accel. and braking torque	Nm	2100
Nominal wheel torque	Nm	1047
Max load on vulkollan wheel	Kg	3200
Max load on poliurethan wheel	Kg	
Max load on solid rubber wheel	Kg	
Brake torque	Nm	60
Lubrication		Grease

Steering gearmotor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	800
Motor voltage (~3)	V	27
Battery voltage	V	48
Motor Speed	Rpm	2850
Frequency	Hz	100
Current	A	23
Motor torque	Nm	2.7
Gear ratio	i	1:45.56
Gear output torque	Nm	92.3
Enclosure	IP	65
Lubrication		Grease

Total Weight	Kg	219

Data : *Date :* 24/07/2019	Scala : *Scale :* 1 : 6	**A3**
Dis : *Drawn :* S.I.		