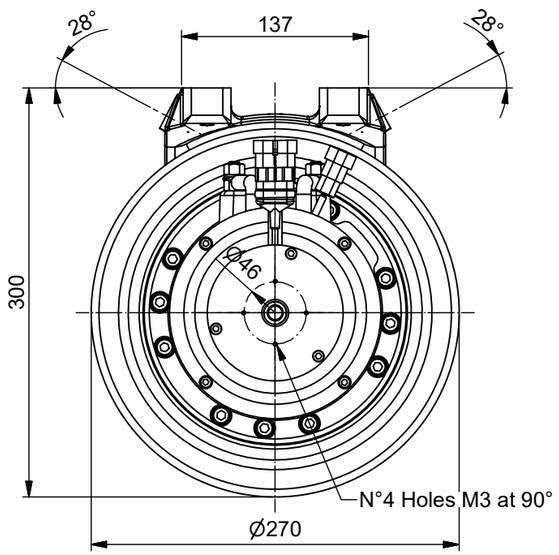
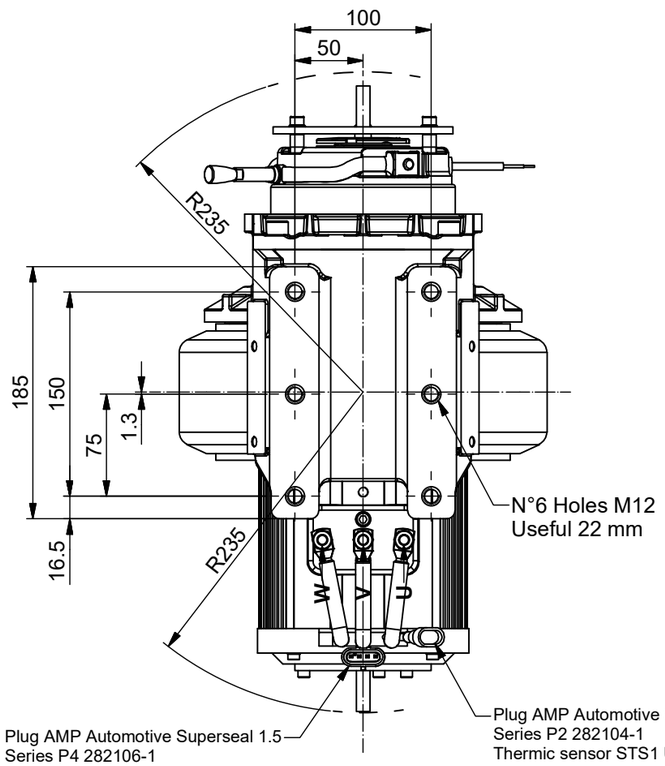
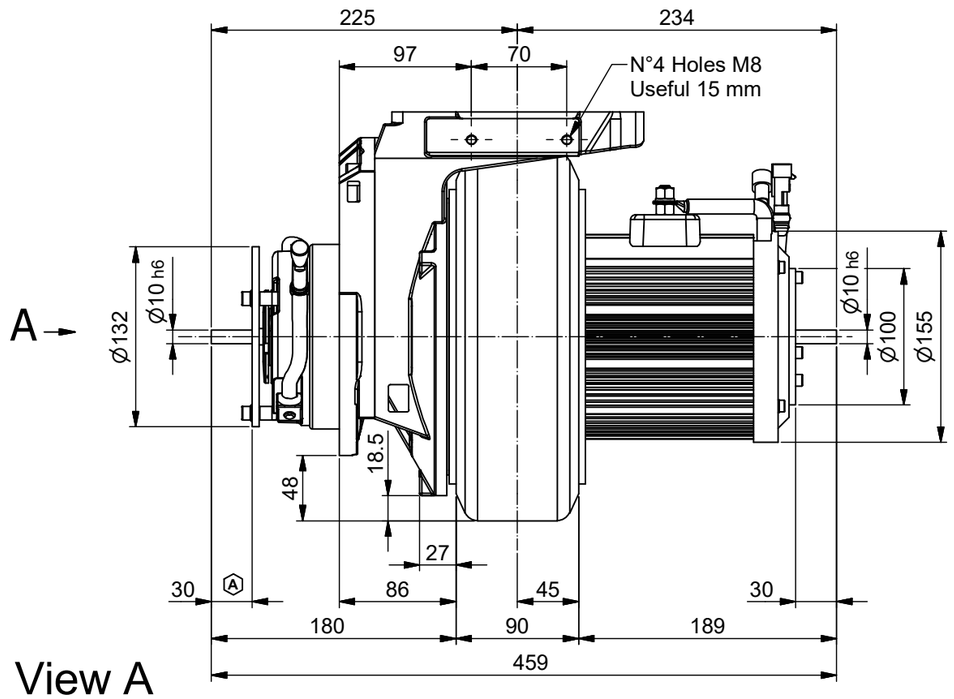
C.F.R. srl
Modena - Italy

AC MOTOR IN WHEEL UNIT

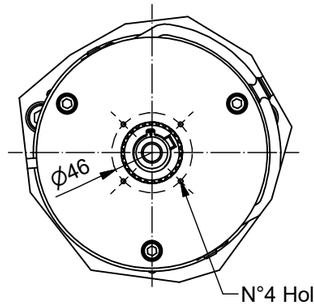
CODE
MRT27.A0100

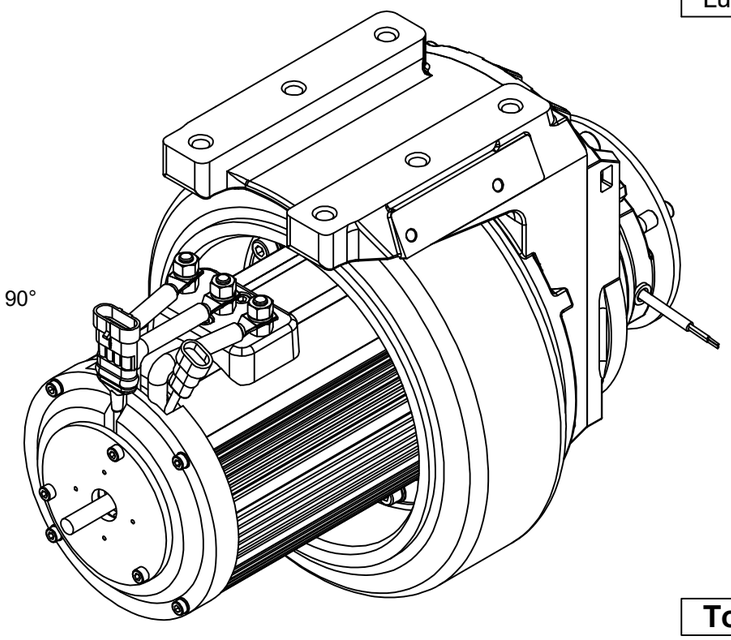






View A





Traction motor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	1500
Motor voltage (~3)	V	27
Battery voltage	V	48
Speed	Rpm	2850
Frequency	Hz	100
Current	A	39
Torque	Nm	5
Enclosure	IP	44
AC motor type		

Traction gear data		
Gear ratio	i	1:22.9
Max accel. and braking torque	Nm	500
Nominal wheel torque	Nm	92.1
Max load on vulkollan wheel	Kg	1300
Max load on poliurethan wheel	Kg	
Max load on solid rubber wheel	Kg	
Brake torque	Nm	16
Lubrication		Grease

Total Weight	Kg	52

Rev.	Description	Date	Signature
C			
B			
A	Distanziale platorello portato a L=15 (era L=25)/ Accorciato albero encoder lato freno	22/05/2020	L.P.

Data : *Date :*	19/06/2018	Scala : *Scale :*	1 : 4.5
Dis : *Drawn :*	L.L.		**A3**

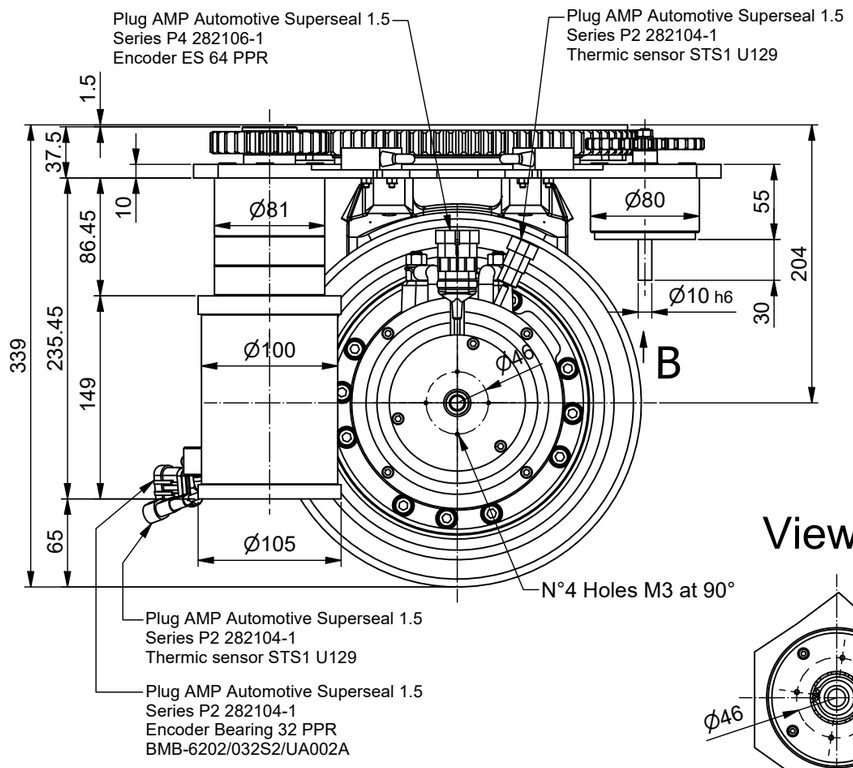
C.F.R. srl
Modena - Italy

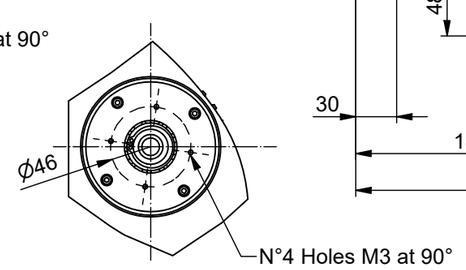
AC MOTOR IN WHEEL UNIT

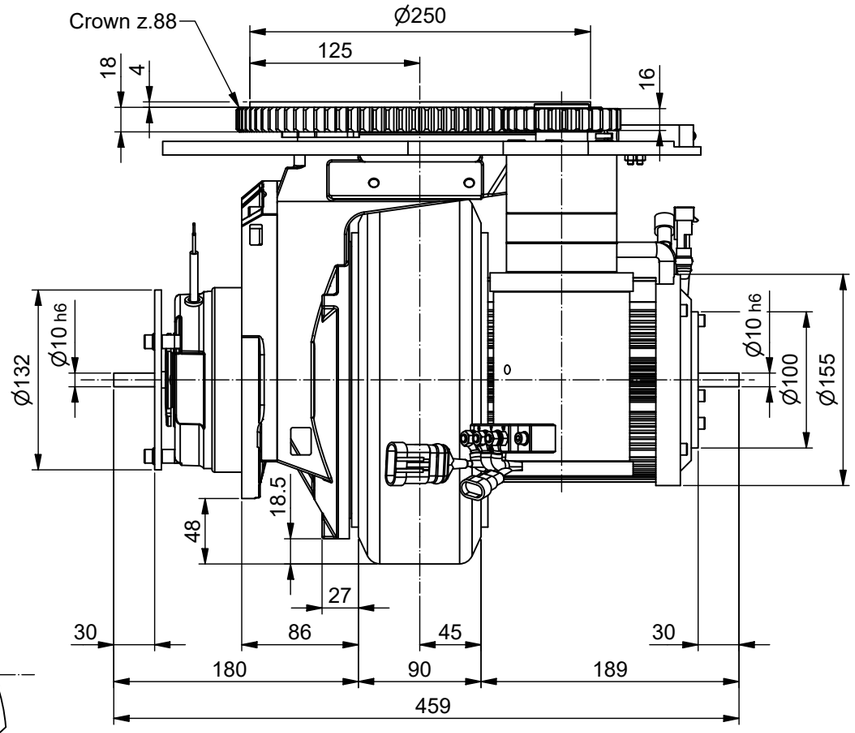
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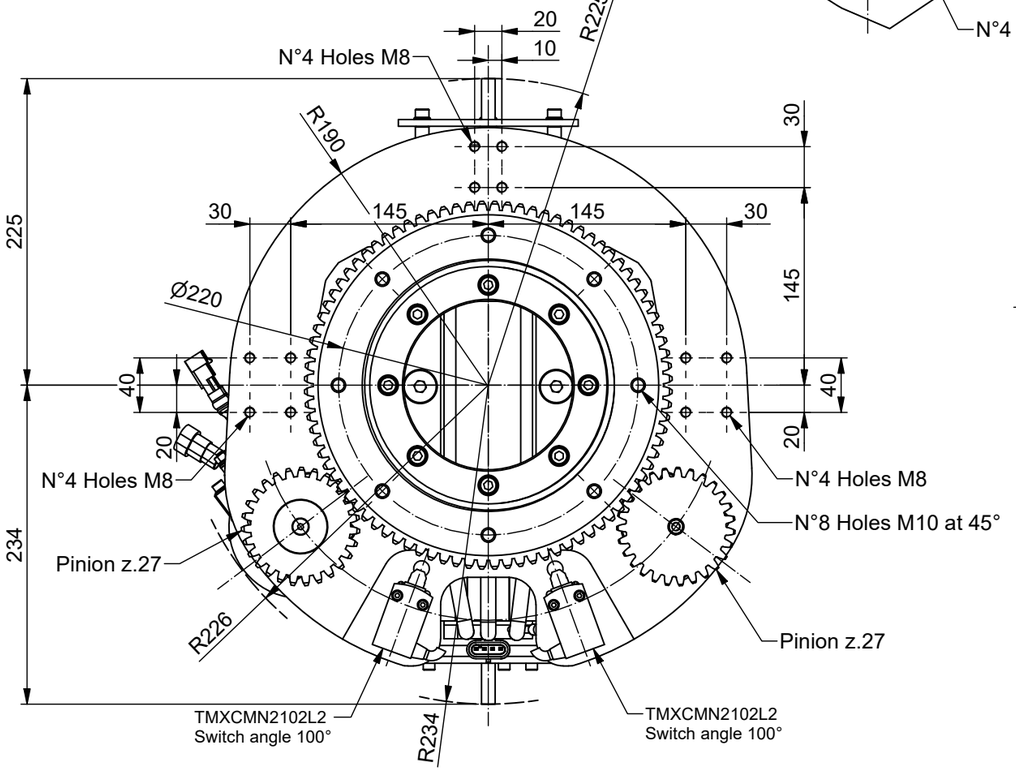
Rev.: B

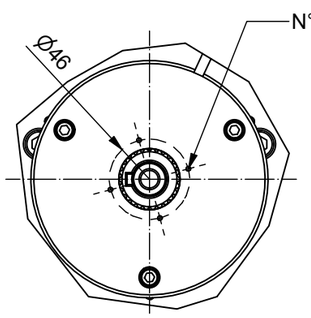
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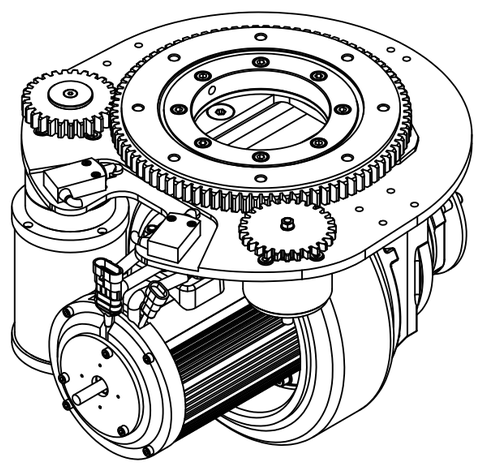












Traction motor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	1500
Motor voltage (~3)	V	27
Battery voltage	V	48
Speed	Rpm	2850
Frequency	Hz	100
Current	A	39
Torque	Nm	5
Enclosure	IP	44

Traction gear data		
Gear ratio	i	1:22.9
Max accel. and braking torque	Nm	500
Nominal wheel torque	Nm	92.1
Max load on vulkollan wheel	Kg	1300
Max load on poliurethan wheel	Kg	
Max load on solid rubber wheel	Kg	
Brake torque	Nm	16
Lubrication		Grease

Steering gearmotor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	400
Motor voltage (~3)	V	27
Battery voltage	V	48
Motor Speed	Rpm	2850
Frequency	Hz	100
Current	A	11
Motor torque	Nm	1.3
Gear ratio	i	1:45.56
Gear output torque	Nm	45.8
Enclosure	IP	44
Lubrication		Grease

Total Weight	Kg	68

Data : *Date :* 08/06/2018	Scala : *Scale :* 1 : 4.5		**A3**
Dis : *Drawn :* L.L.			

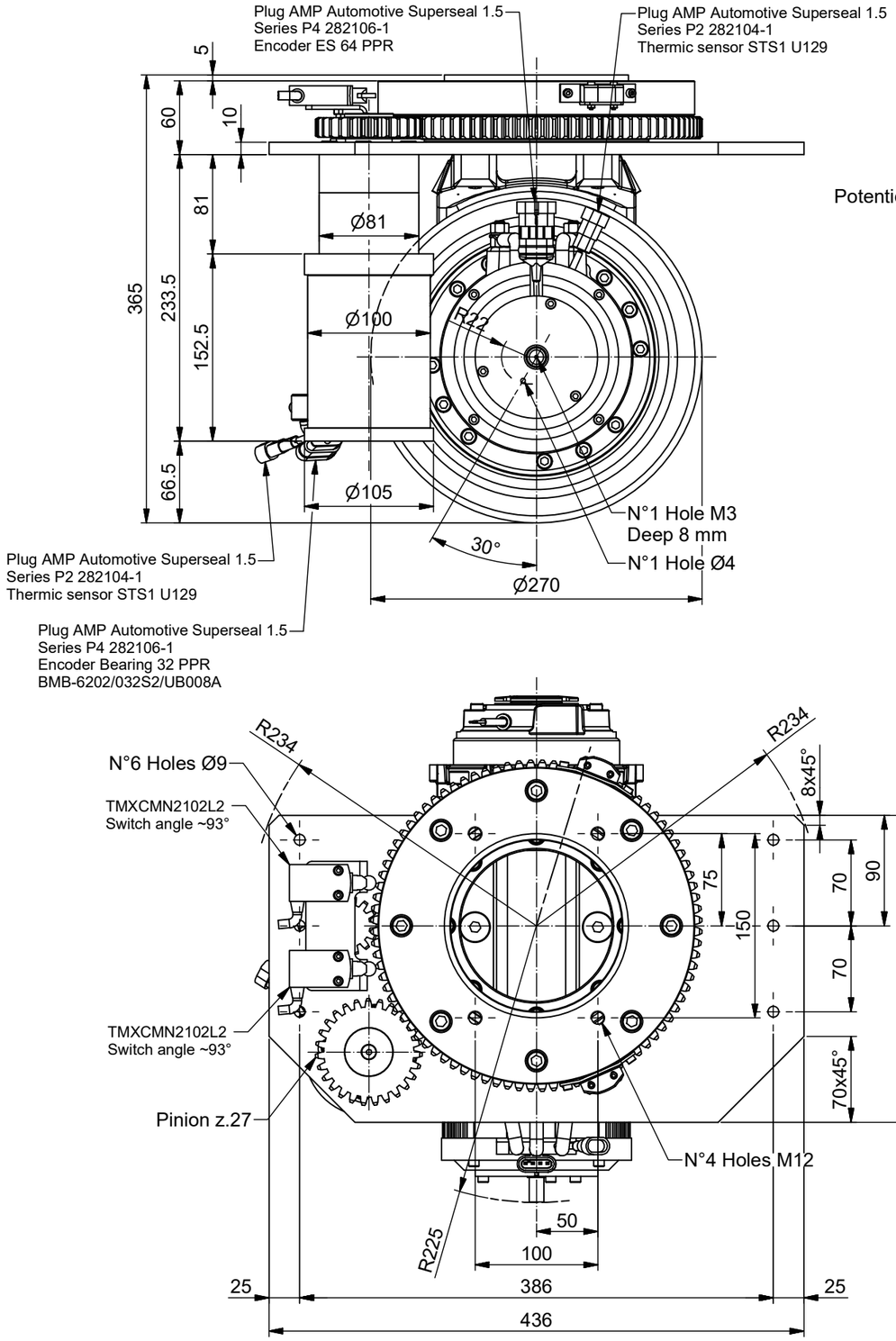
C.F.R. srl
Modena - Italy

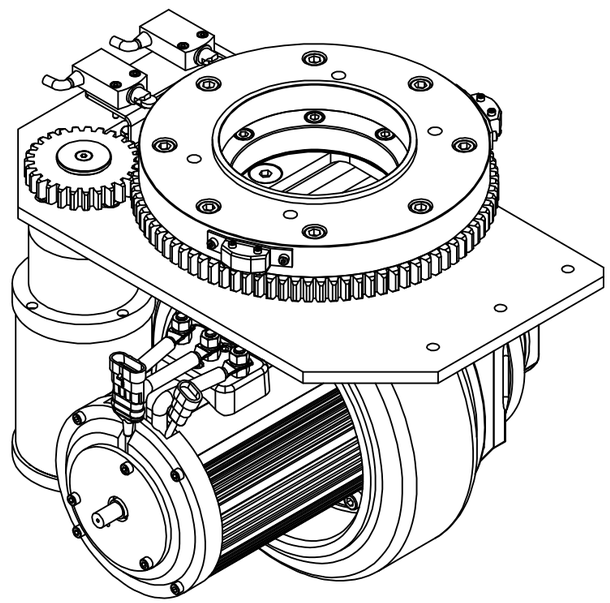
AC MOTOR IN WHEEL UNIT

CODE MRT27.A0102

Rev.: A

Date: 16/10/18





Traction motor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	1500
Motor voltage (~3)	V	27
Battery voltage	V	48
Speed	Rpm	2850
Frequency	Hz	100
Current	A	39
Torque	Nm	5
Enclosure	IP	44

Traction gear data		
Gear ratio	i	1:22.9
Max accel. and braking torque	Nm	500
Nominal wheel torque	Nm	92.1
Max load on vulkollan wheel	Kg	1300
Max load on poliurethan wheel	Kg	
Max load on solid rubber wheel	Kg	
Brake torque	Nm	16
Lubrication		Grease

Steering gearmotor data		
Type : AC Asynchronous		
Power (S2 - 60 min)	W	400
Motor voltage (~3)	V	27
Battery voltage	V	48
Motor Speed	Rpm	2850
Frequency	Hz	100
Current	A	11
Motor torque	Nm	1.3
Gear ratio	i	1:45.56
Gear output torque	Nm	45.8
Enclosure	IP	44
Lubrication		Grease

Total Weight	Kg	72

Data : *Date :*	08/06/2018	Scala : *Scale :* 1 : 4.5	**A3**
Dis : *Drawn :*	L.L.		