



**C.F.R.** srl  
Modena - Italy

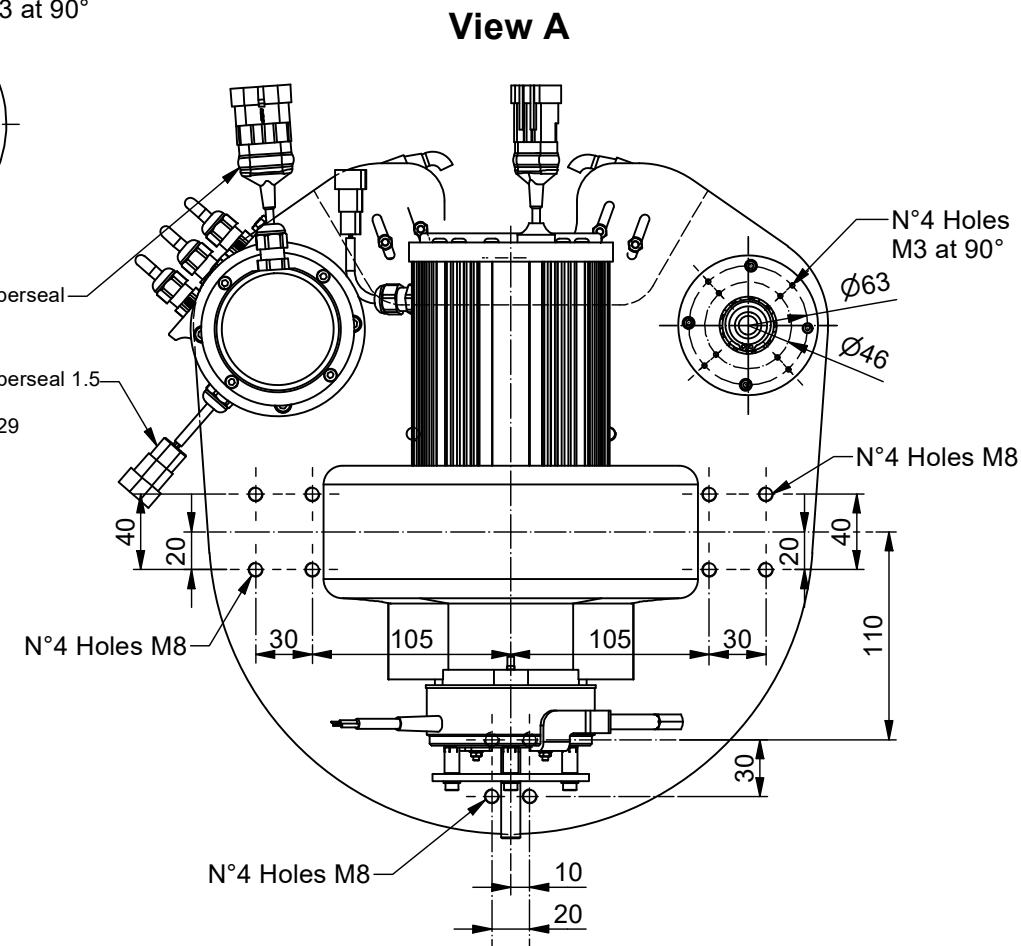
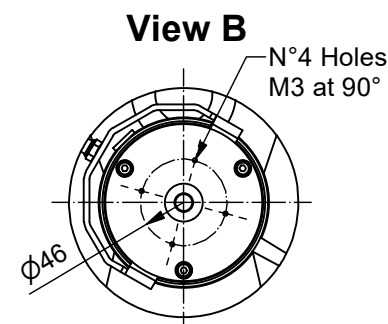
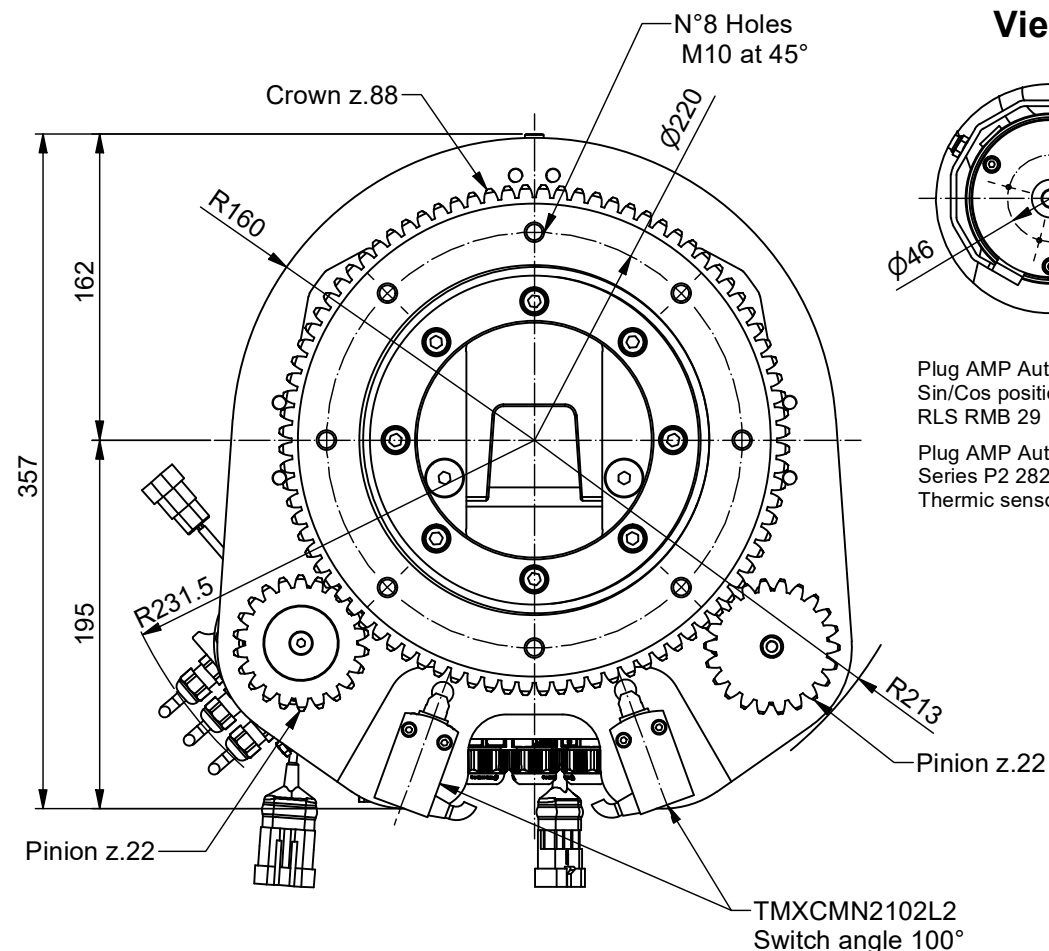
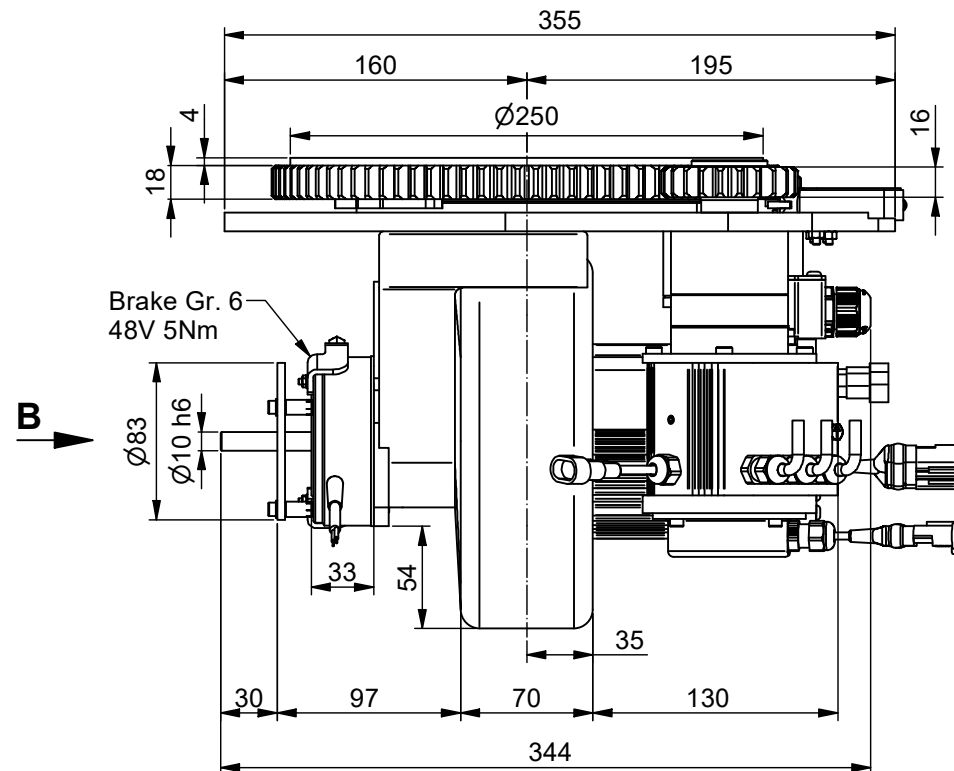
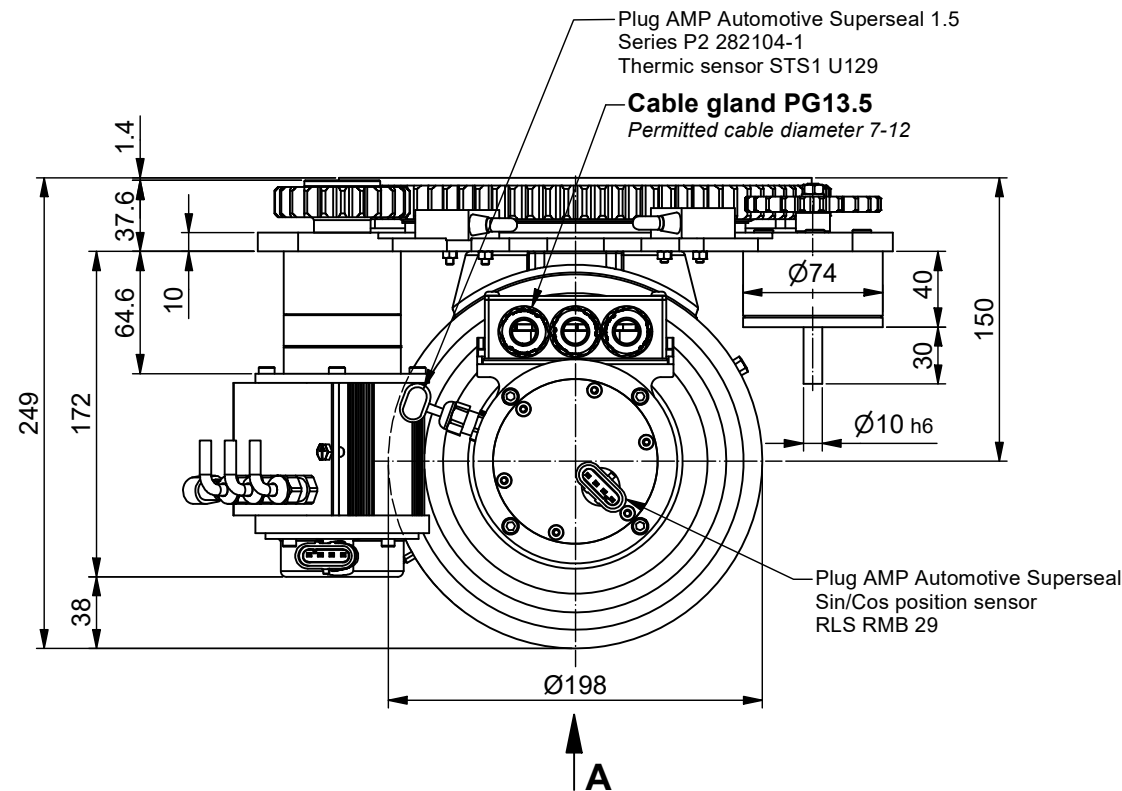
## PMAC MOTOR IN WHEEL UNIT

CODE

**MRT05.0129**

Rev.:

Date:



### Traction motor data

Type : BR Brushless

Power (S2 - 60 min)	W	500
Battery voltage	V	48
Speed	Rpm	2300
Frequency	Hz	76
Torque	Nm	2
Enclosure	IP	65
PMAC motor type	BD 090 - 50 - 4	

### Traction gear data

Gear ratio	i	1:21
Max accel. and braking torque	Nm	180
Nominal wheel torque	Nm	37
Max load on poliurethan wheel	Kg	550
Max load on solid rubber wheel	Kg	
Brake torque	Nm	5
Lubrication	Grease	

### Steering gearmotor data

Type : BR Brushless

Power (S2 - 60 min)	W	300
Battery voltage	V	48
Motor Speed	Rpm	2800
Frequency	Hz	93
Motor torque	Nm	1
Gear ratio	i	1:45.56
Gear output torque	Nm	34
Enclosure	IP	65
Lubrication	Grease	
PMAC motor type	BD 090 - 25 - 4	

### Total Weight

Kg 42

Data : 05/02/2025  
Date :  
Dis : M.V.  
Drawn :

Scala : 1 : 4  
Scale :  
-

**A3**