

**MINI**  **TECNO**  
small but strong

**NDWMP**  
**ECWMP**

Motoriduttori CC combinati  
DC double reduction gearmotors

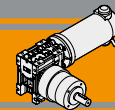


**MINI**  **TECNO** brand of  
**TRANSTECNO**<sup>®</sup>



DC

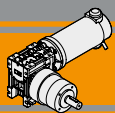




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**Caratteristiche tecniche**

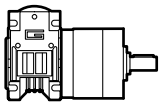
**Technical features**

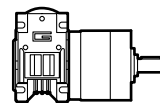
L'accoppiamento di un riduttore a vite senza fine con un riduttore epicicloidale consente di ottenere elevati rapporti di riduzione ( $i_{max} = 1/18452$ ) e di disporre di un gruppo autolubrificato compatto, silenzioso e con un'elevata affidabilità.

The coupling of a wormgearbox to a planetary gearbox allows to obtain high reduction ratios ( $i_{max} = 1/18452$ ) and to get a compact, silent, self lubricated with high reliability group.

**Designazione**

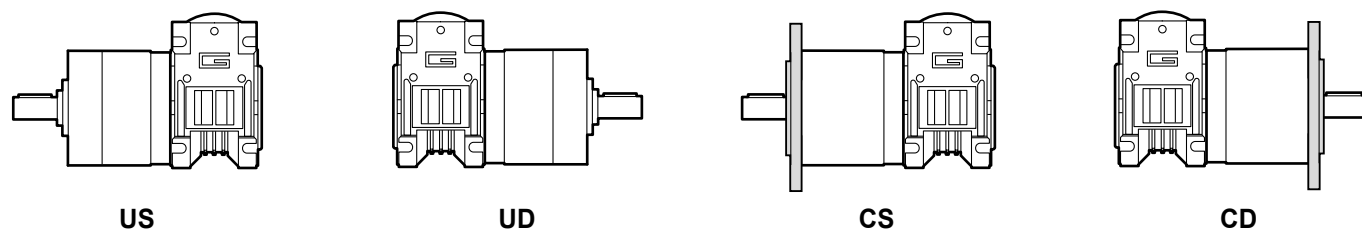
**Classification**

MOTORIDUTTORE / GEARMOTOR								
NDWMP	120/026/52		2	CD	90	405	240	BR
Tipo Type	Grandezza Size		Numero stadi epicicloidale Planetary stages number	Versione Riduttore Gearbox Version	Flangia Uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options
	<b>120/026/52</b>  <b>120/026/62</b>	<b>180/026/62</b>	<b>1</b>	<b>US</b>	<b>80</b>	Vedere tabella See tables	<b>120</b> <b>240</b>	<b>BR</b> <b>BRL</b>
			<b>2</b>	<b>UD</b>	<b>90</b>			
			<b>3</b>	<b>CS</b>	<b>105</b>			
				<b>CD</b>	<b>120</b>			

MOTORIDUTTORE / GEARMOTOR									
ECWMP	070/026/52			2	CD	90	405	240	BR
Tipo Type	Grandezza Size			Numero stadi epicicloidale Planetary stages number	Versione Riduttore Gearbox Version	Flangia Uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options
	<b>070/026/52</b> <b>070/026/62</b>	<b>100/026/52</b> <b>100/026/62</b>	<b>180/026/62</b>	<b>1</b>	<b>US</b>	<b>80</b>	Vedere tabella See tables	<b>120</b> <b>240</b> <b>24E</b>	<b>BR</b> <b>BRL</b>
				<b>2</b>	<b>UD</b>	<b>90</b>			
				<b>3</b>	<b>CS</b>	<b>105</b>			
					<b>CD</b>	<b>120</b>			

**Versioni**

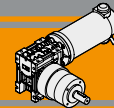
**Versions**



**Simbologia**

**Symbols**

- $n_1$  [ $\text{min}^{-1}$ ] Velocità in ingresso / Input speed
- $n_2$  [ $\text{min}^{-1}$ ] Velocità in uscita / Output speed
- $i$  Rapporto di riduzione / Ratio
- $P_1$  [kW] Potenza in entrata / Input power
- $M_n$  [Nm] Coppia nominale in uscita del riduttore / Maximum output torque of the gearbox
- $M_2$  [Nm] Coppia in uscita in funzione di  $P_1$  / Output torque referred to  $P_1$
- $sf$  Fattore di servizio / Service factor
- Rd % Rendimento dinamico / Dynamic efficiency
- $A_2$  [N] Carico assiale ammissibile in uscita / Permitted output axial load
- $R_2$  [N] Carico radiale ammissibile in uscita / Permitted output radial load



## Lubrificazione

## Lubrication

I riduttori a vite senza fine della serie CM sono lubrificati a vita con olio sintetico di viscosità 320 e possono essere installati in qualunque posizione di montaggio.

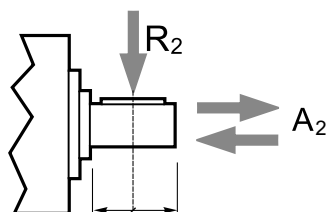
*Permanent synthetic oil long-life lubrication allow to use CM wormgearbox range in all mounting position.*

I riduttori epicicloidali sono lubrificati in modo permanente, non richiedono quindi ulteriore manutenzione. Questo gli consente di essere installati praticamente ovunque.

*Planetary gearboxes are life-time lubricated with grease, therefore they are maintenance free. They can be installed in any location.*

## Carichi radiali

## Radial loads



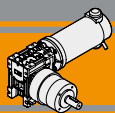
Numero di stadi Stages number	Carichi Radiali $R_2$ [N] Radial Load $R_2$ [N]		
	P52	P62	P81
1	200	240	400
2	320	360	600
3	450	520	1000

Numero di stadi Stages number	Carichi Assiali $A_2$ [N] Axial Load $A_2$ [N]		
	P52	P62	P81
1	60	70	80
2	100	100	120
3	150	150	200

## Rapporti

## Ratios

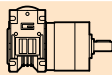
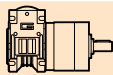
Motoriduttore Gearmotor	Numero stadi epicicloidale Planetary stages number	Rapporto epicicloidale Planetary ratio	Rapporto vite senza fine Wormgearbox ratio	Rapporto finale Total ratio
.../026/052 .../026/062	1	6.75	10	67.5
			15	101.3
			20	135
			30	202.5
			40	270
			50	337.5
	2	25.01	10	250.1
			15	375.15
			20	500.2
			30	750.3
			40	1000.4
			50	1250.5
		45.56		60



### Dati tecnici per servizio S2

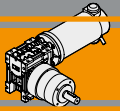
### NDWMP

### Technical data for S2 duty

$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version	$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version					
<b>160</b>							<b>250</b>											
(3000 min <sup>-1</sup> )	<b>44.4</b>	22.8	1.1	67.5	<b>120/026/521</b>	120/240	(3000 min <sup>-1</sup> )	<b>44.4</b>	25.0	1.0	67.5	<b>180/026/521</b>	120/240					
	<b>29.6</b>	25.0	1.0	101.3														
	<b>22.2</b>	25.0	1.0	135														
	<b>14.8</b>	25.0	1.0	202.5														
	<b>11.1</b>	25.0	1.0	270														
	<b>8.9</b>	25.0	1.0	337.5														
	<b>7.4</b>	25.0	1.0	405														
	<b>12.0</b>	25.0	1.0	250.1			<b>120/026/522</b>	120/240										
	<b>8.0</b>	25.0	1.0	375.15														
	<b>6.0</b>	25.0	1.0	500.2														
	<b>4.0</b>	25.0	1.0	750.3														
	<b>3.0</b>	25.0	1.0	1000.4														
	<b>2.4</b>	25.0	1.0	1250.5														
	<b>2.0</b>	25.0	1.0	1500.6														
	<b>1.1</b>	25.0	1.0	2734														
	<b>44.4</b>	23	1.7	67.5	<b>120/026/621</b>	120/240												
	<b>29.6</b>	34	1.2	101.3														
	<b>22.2</b>	40	1.0	135.0														
	<b>14.8</b>	40	1.0	202.5														
	<b>11.1</b>	40	1.0	270.0														
	<b>8.9</b>	40	1.0	337.5														
	<b>7.4</b>	40	1.0	405.0														
	<b>12.0</b>	50.0	1.0	250.1			<b>120/026/622</b>	120/240										
	<b>8.0</b>	50.0	1.0	375.15														
	<b>6.0</b>	50.0	1.0	500.2														
	<b>4.0</b>	50.0	1.0	750.3														
	<b>3.0</b>	50.0	1.0	1000.4														
	<b>2.4</b>	50.0	1.0	1250.5														
	<b>2.0</b>	50.0	1.0	1500.6														
	<b>1.1</b>	50.0	1.0	2734														

**Nota:** Verificare sempre che la coppia  $M_2$  utilizzata non ecceda il valore indicato nelle caselle in grigio

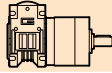
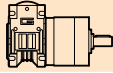
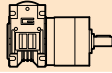
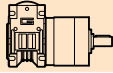
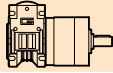
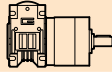
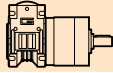
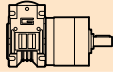
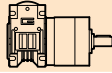
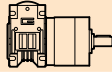
**Note:** Please check that the output torque  $M_2$  does not exceed the value into the grey areas



Dati tecnici per servizio S2

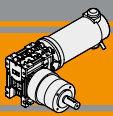
**ECWMP**

Technical data for S2 duty

P <sub>1</sub> [W]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		Versione motore Motor version	P <sub>1</sub> [W]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		Versione motore Motor version				
<b>100</b>							<b>140</b>										
(3000 min <sup>-1</sup> )	<b>44.4</b>	14	1.8	67.5		070/026/521	120/240	(3000 min <sup>-1</sup> )	<b>44.4</b>	20	1.3	67.5		100/026/521	120/240/24E		
	<b>29.6</b>	21	1.2	101.3					<b>29.6</b>	25	1.0	101.3					
	<b>22.2</b>	25	1.0	135.0													
	<b>14.8</b>	25	1.0	202.5						<b>44.4</b>	20	2.0	67.5		100/026/621	120/240/24E	
	<b>11.1</b>	25	1.0	270.0						<b>29.6</b>	29	1.4	101.3				
	<b>8.9</b>	25	1.0	337.5						<b>22.2</b>	37	1.1	135.0				
	<b>7.4</b>	25	1.0	405						<b>14.8</b>	40	1.0	202.5				
	<b>12.0</b>	25.0	1.0	250.1					070/026/522	120/240	<b>250</b>						
	<b>8.0</b>	25.0	1.0	375.15	(3000 min <sup>-1</sup> )	<b>44.4</b>	25.0				1.0	67.5		180/026/521	120/240		
	<b>6.0</b>	25.0	1.0	500.2													
	<b>4.0</b>	25.0	1.0	750.3			<b>44.4</b>				37	1.1	67.5		180/026/621	120/240	
	<b>3.0</b>	25.0	1.0	1000.4			<b>29.6</b>				40	1.0	101.3				
	<b>2.4</b>	25.0	1.0	1250.5			<b>22.2</b>				40	1.0	135.0				
	<b>2.0</b>	25.0	1.0	1500.6													
	<b>1.1</b>	25.0	1.0	2734													
	<b>44.4</b>	14.3	2.8	67.5		070/026/621	120/240										
	<b>29.6</b>	20.1	2.0	101.3													
	<b>22.2</b>	25.4	1.6	135													
	<b>14.8</b>	34.0	1.2	202.5													
	<b>11.1</b>	40.0	1.0	270													
	<b>8.9</b>	40.0	1.0	337.5													
	<b>7.4</b>	40.0	1.0	405													
	<b>12.0</b>	50.0	1.0	250.1					070/026/622	120/240							
	<b>8.0</b>	50.0	1.0	375.15													
	<b>6.0</b>	50.0	1.0	500.2													
	<b>4.0</b>	50.0	1.0	750.3													
	<b>3.0</b>	50.0	1.0	1000.4													
	<b>2.4</b>	50.0	1.0	1250.5													
	<b>2.0</b>	50.0	1.0	1500.6													
	<b>1.1</b>	50.0	1.0	2734													

**Nota:** Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio

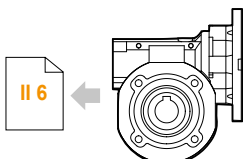
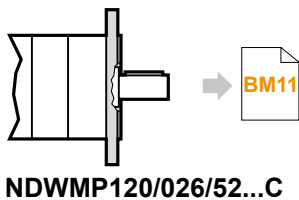
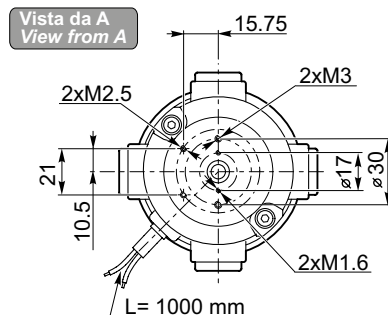
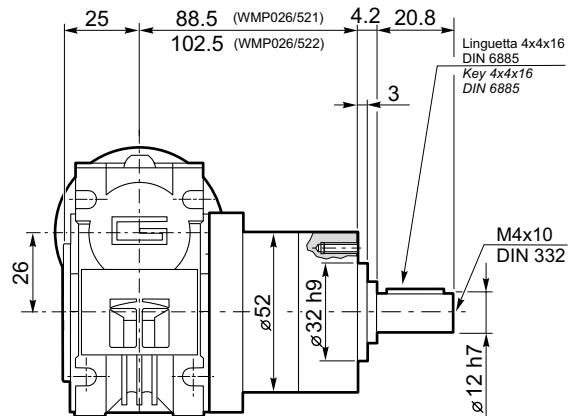
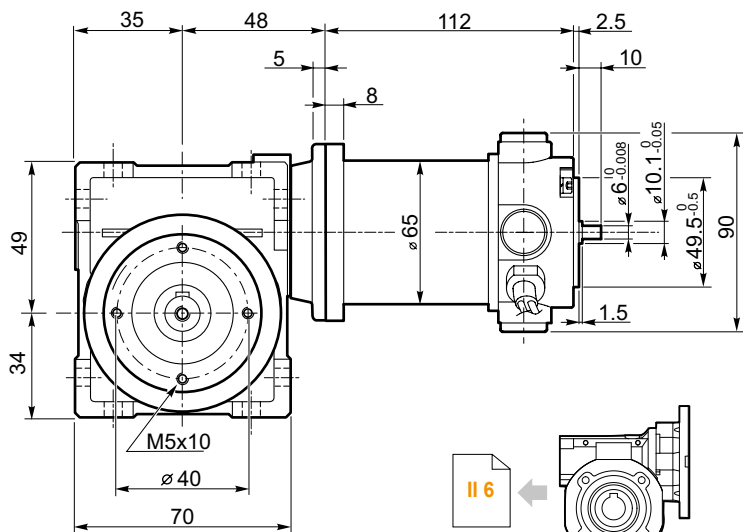
**Note:** Please check that the output torque M2 does not exceed the value into the grey areas



Dimensioni

Dimensions

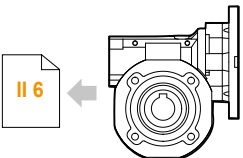
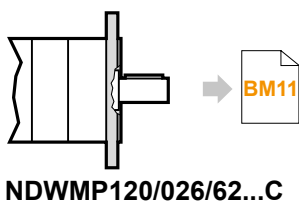
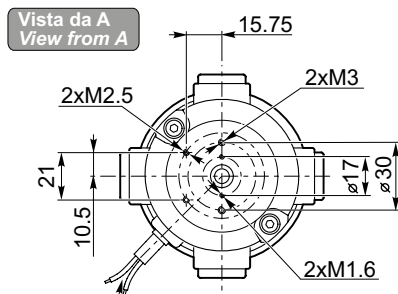
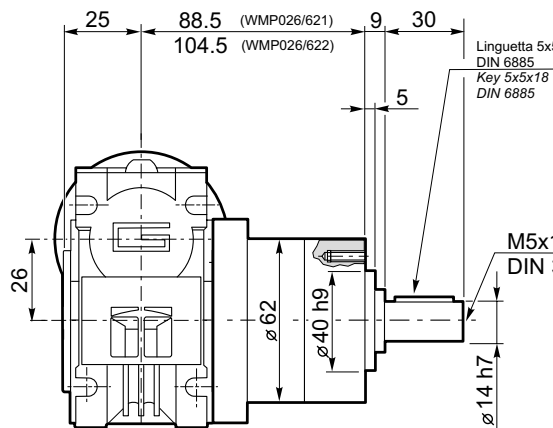
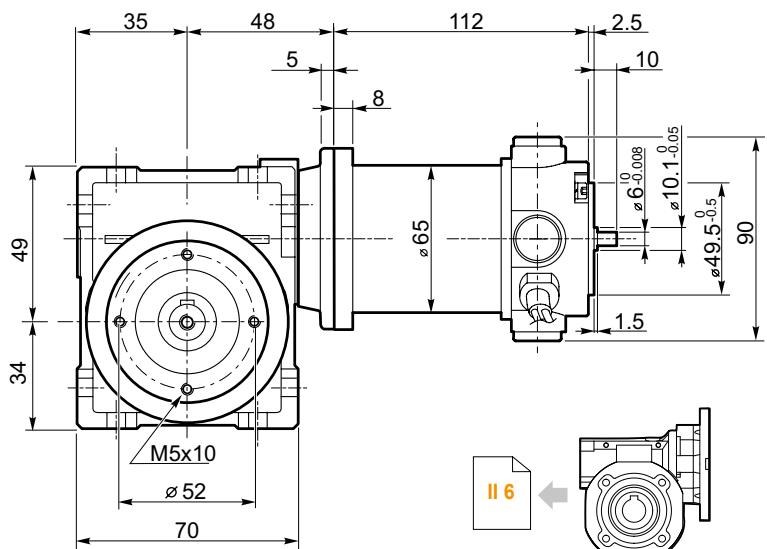
NDWMP120/026/52...U



Freno / Brake → BA9

Encoder → BA9

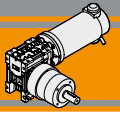
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Freno / Brake → BA9

Encoder → BA9

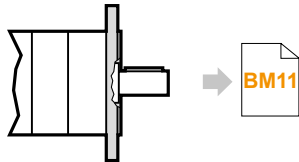
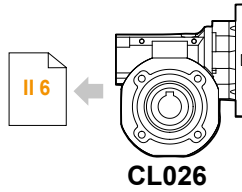
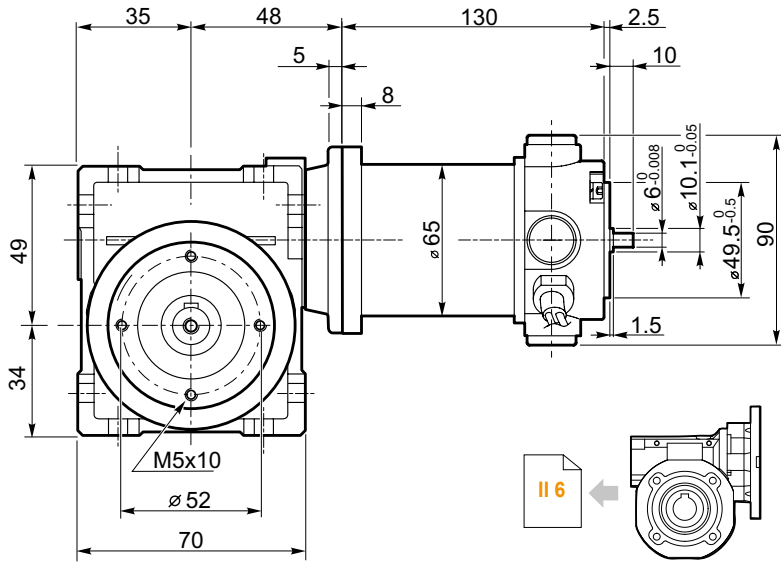




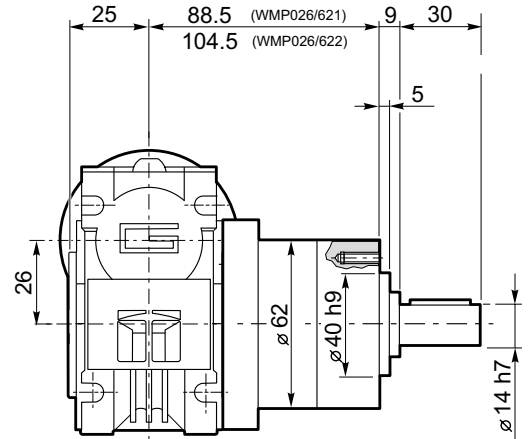
**Dimensioni**

**Dimensions**

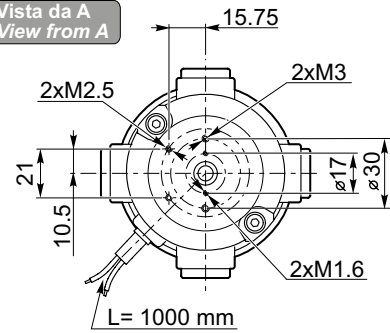
**NDWMP180/026/62...U**

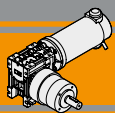


**NDWMP180/026/62...C**



**Vista da A**  
**View from A**

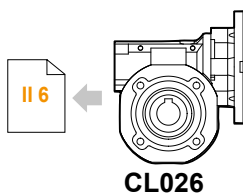
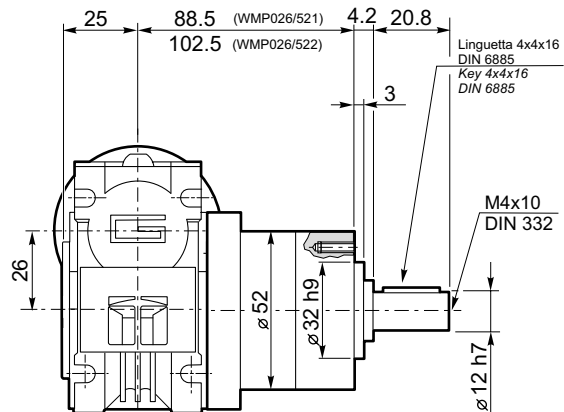
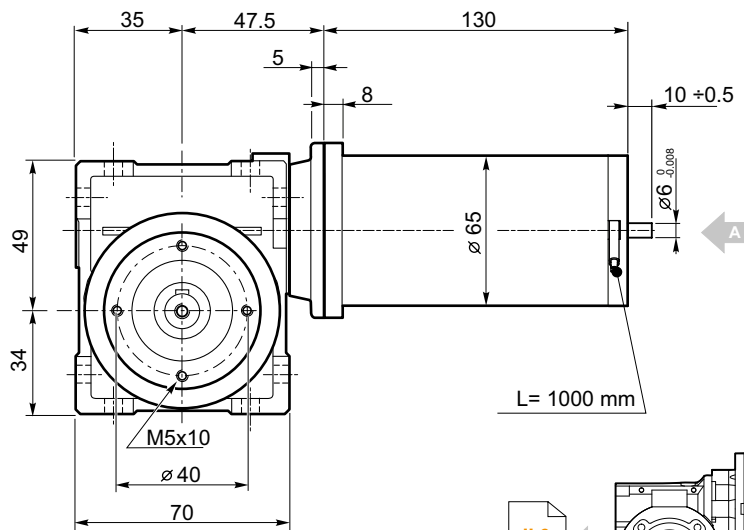




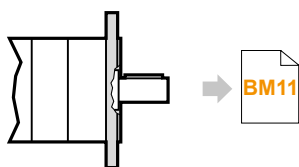
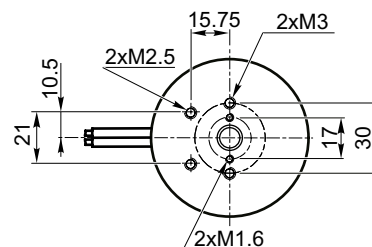
### Dimensioni

### Dimensions

#### ECWMP070/026/52...U



Vista / View  
A



ECWMP070/026/52...C

Motori / Motors IP66



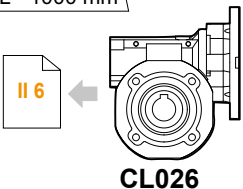
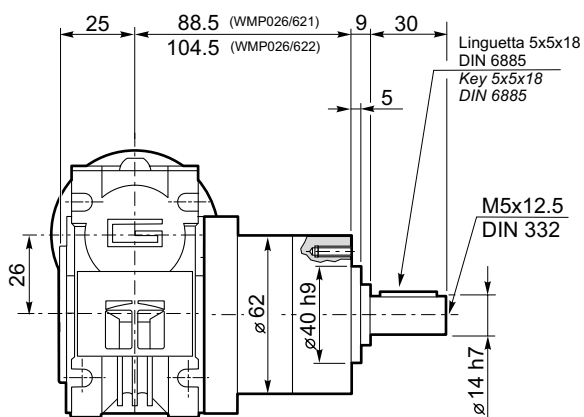
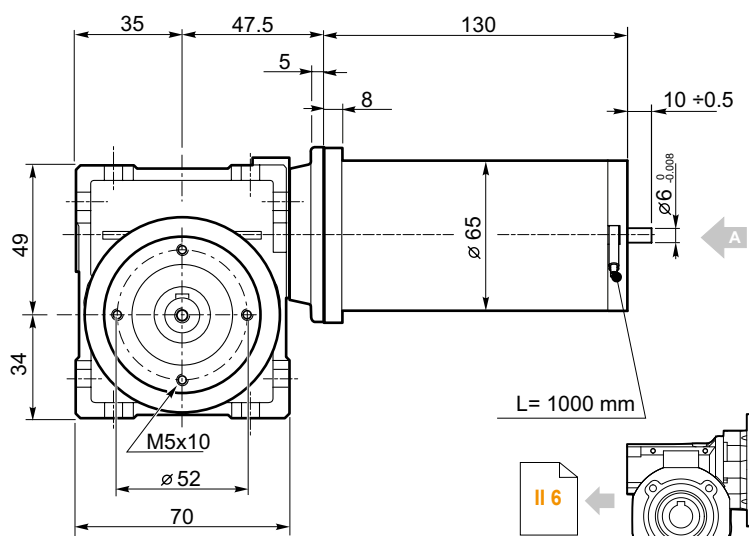
Freno / Brake



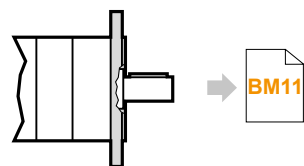
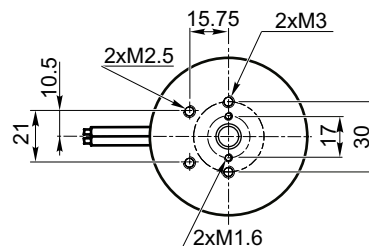
Encoder



#### ECWMP070/026/62...U



Vista / View  
A



ECWMP070/026/62...C

Motori / Motors IP66

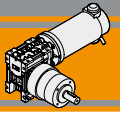


Freno / Brake



Encoder

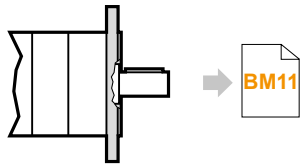
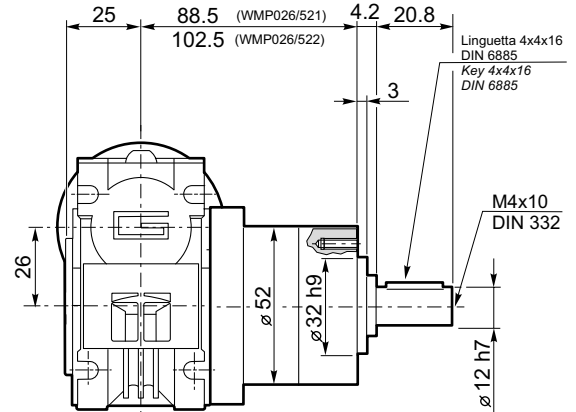
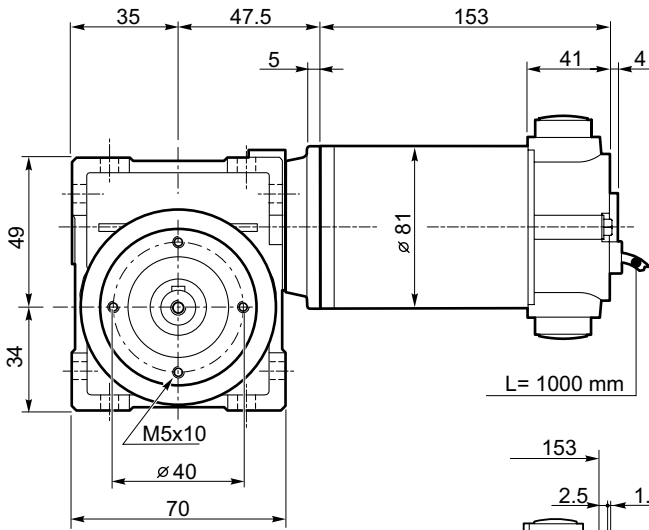




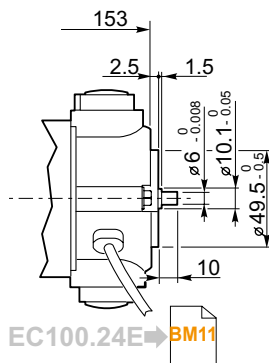
**Dimensioni**

**Dimensions**

**ECWMP100/026/52...U**



ECWMP100/026/52...C



EC100.24E → BM11

Motori / Motors IP66 →



BC4

Freno / Brake →



BB23

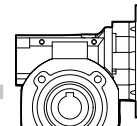
Encoder →



BB24

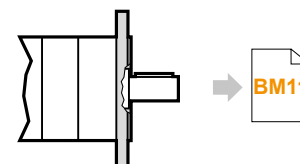
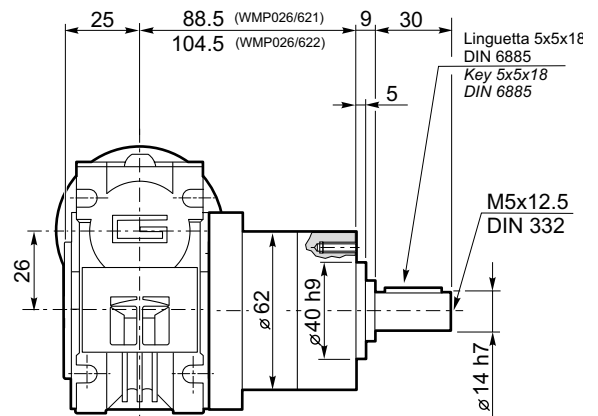
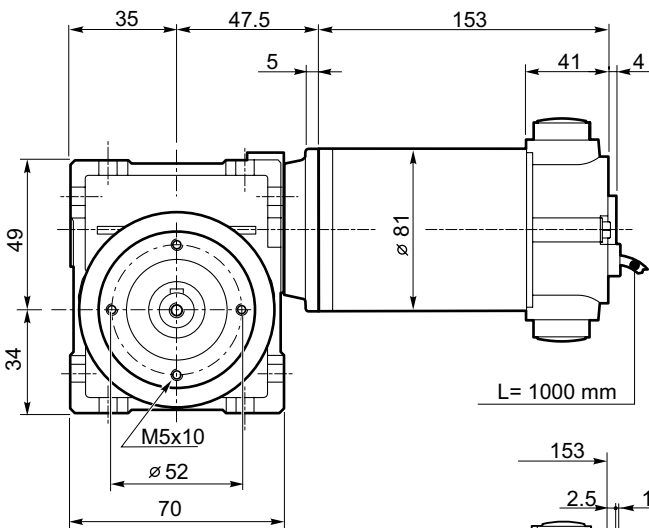


II 6

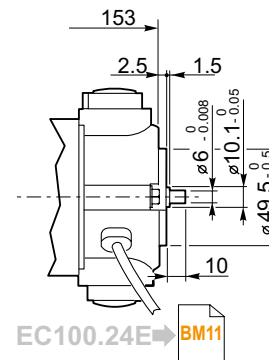


CL026

**ECWMP100/026/62...U**



ECWMP100/026/62...C



EC100.24E → BM11

Motori / Motors IP66 →



BC4

Freno / Brake →



BB23

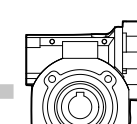
Encoder →



BB24

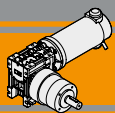


II 6



CL026

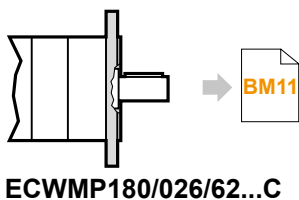
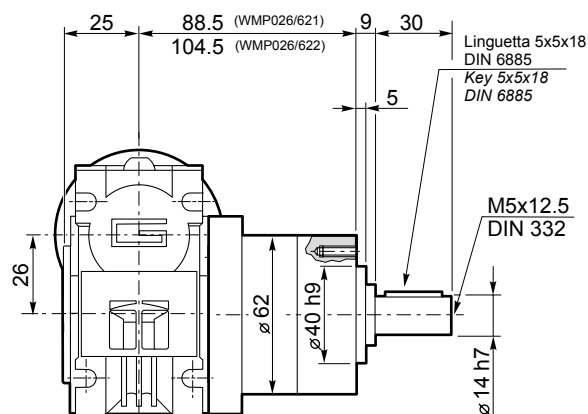
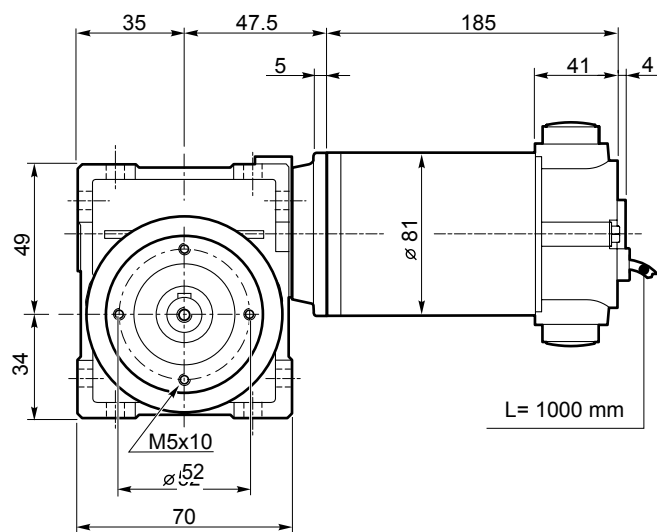
DC



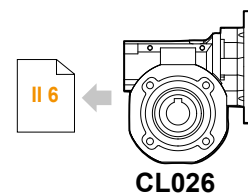
### Dimensioni

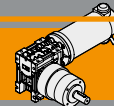
### Dimensions

#### ECWMP180/026/62...U



- Motori / Motors IP66 → **BC6**
- Freno / Brake → **BB23**
- Encoder → **BB24**

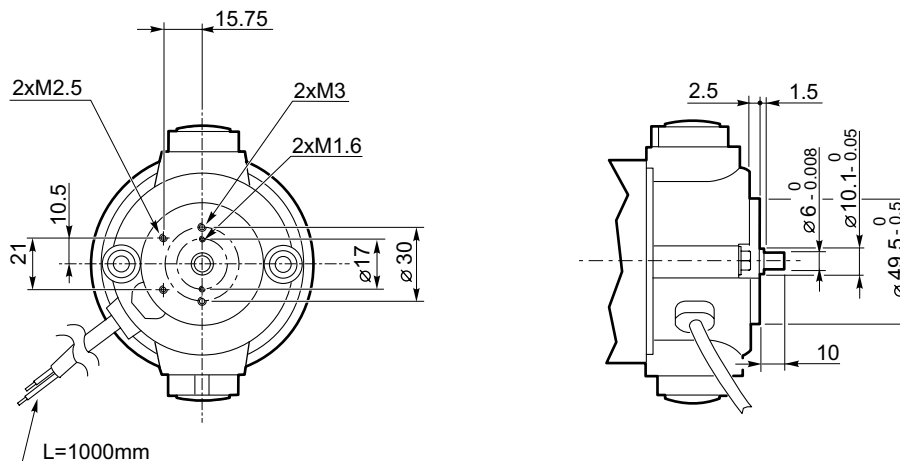




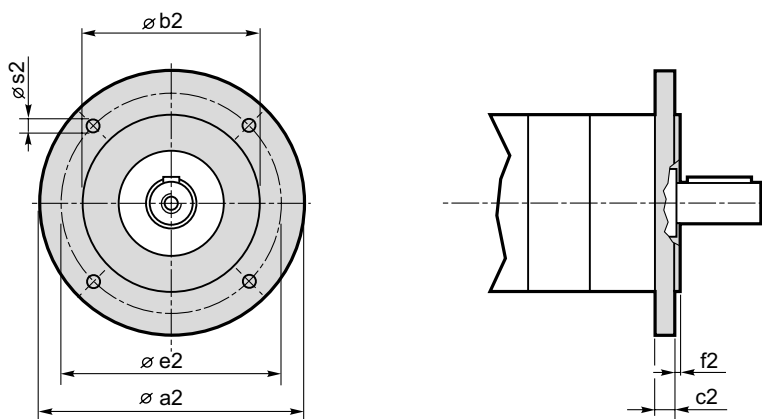
Dimensioni

Dimensions

ECWMP100.24E  
ECWMP180.24E



NDWMP.../.../... C... - ECWMP.../.../... C... Flange uscita / Output flanges



Dimensioni / Dimensions							
P	a2	b2	c2	e2	f2	s2	Flangia uscita Output flange
52	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
62	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120



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