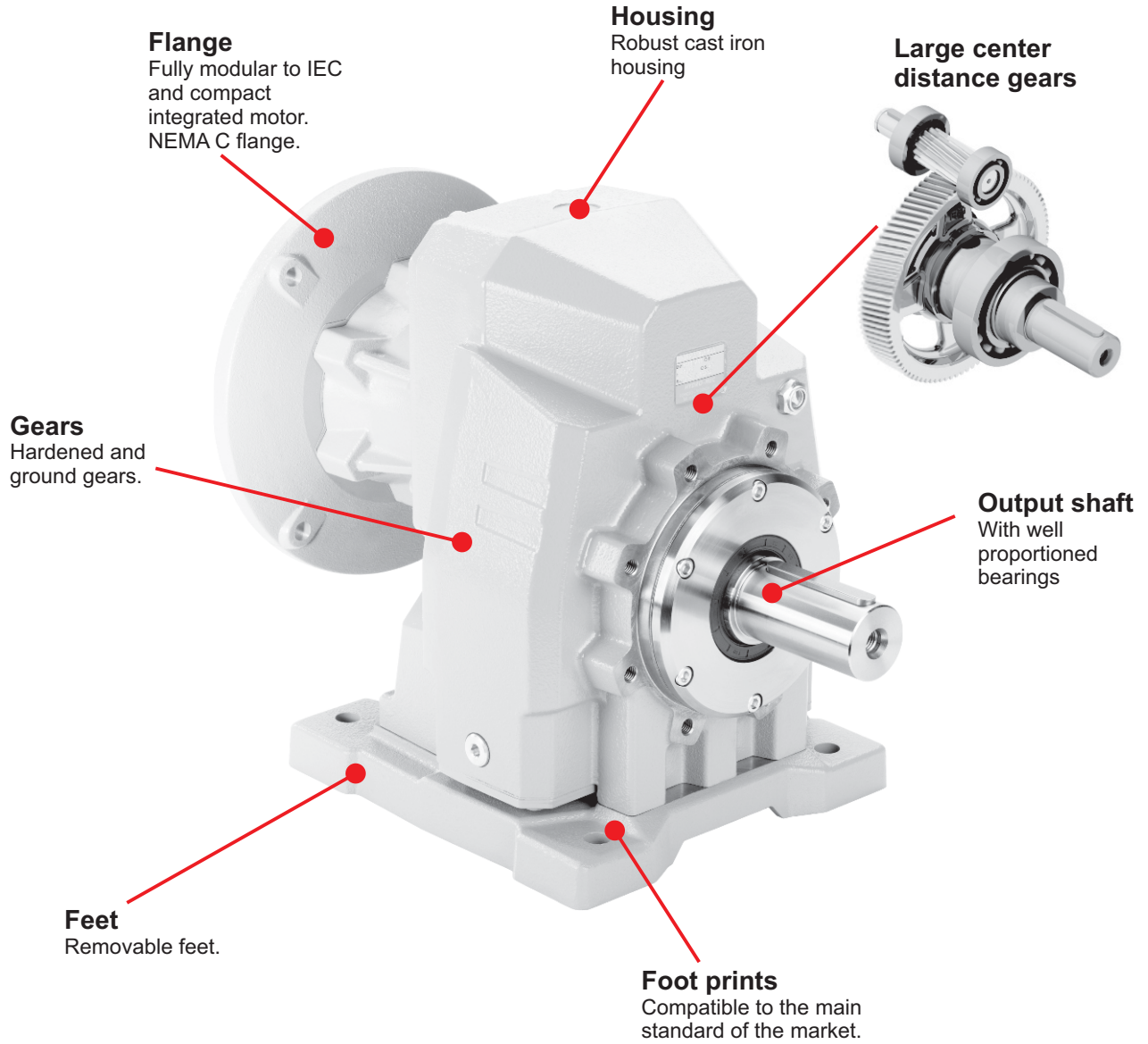


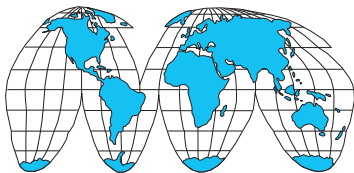
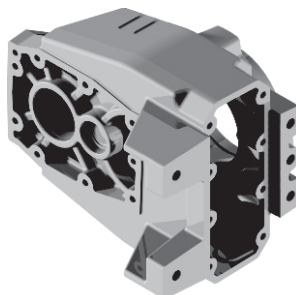
Cast iron gearboxes

A modular and compact product



Single-piece Cast Iron housing

with high tensile strength. Precision machined for alignment of bearings and gearing



World wide sales network.

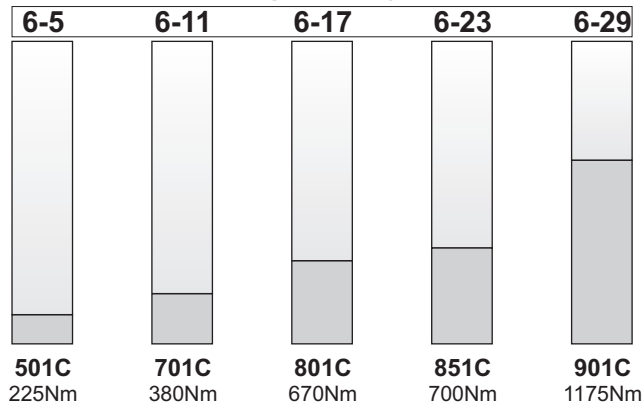
Specific type datasheet on page...

On page / A pagina / Auf Seite / À la page / En la página

1 Stage

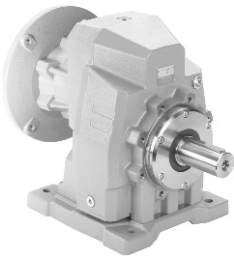


Types / Tipi
Tipen / Types
Tipos

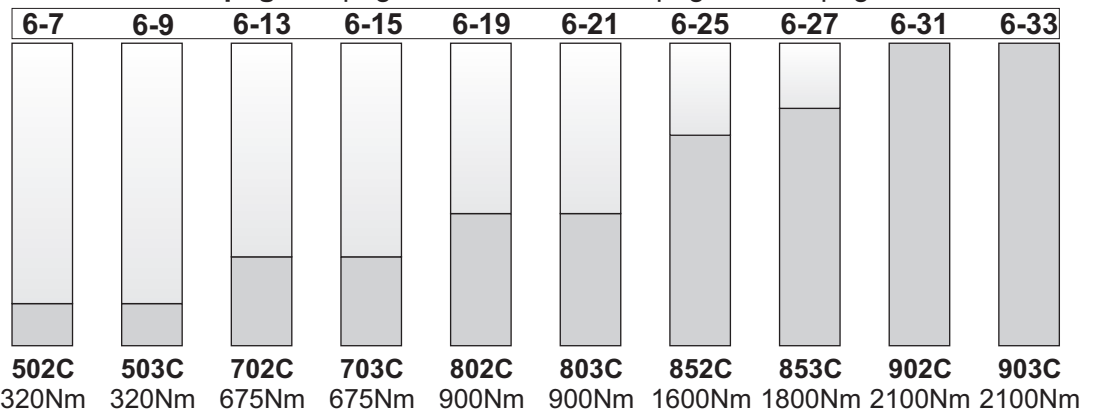


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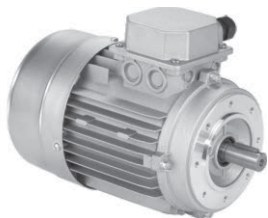
2 and 3 Stages



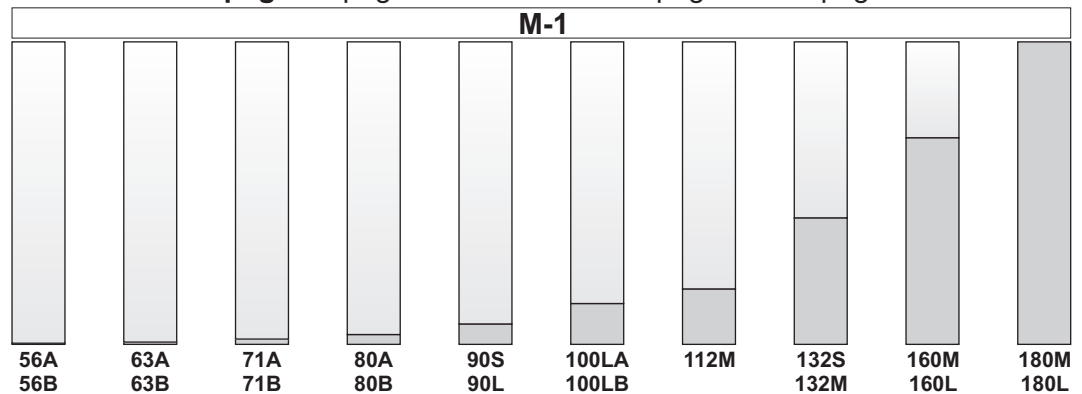
Types / Tipi
Tipen / Types
Tipos



On page / A pagina / Auf Seite / À la page / En la página



Types / Tipi
Tipen / Types
Tipos



Type - Tipo - Typ
Type - Tipo

Size - Grandezza - Grösse
Taille - Tomafío

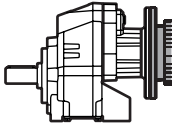
Mounting - Montaggio
Montage - Fixation
Tipo de montaje

P

702C

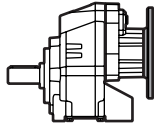
-F

Cast iron coaxial gear boxes
Riduttori coassiali in Ghisa



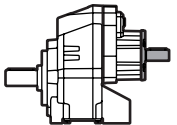
With IEC motor

M



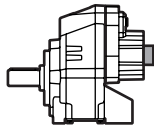
With motor flange

P



With male input shaft

R



Modular base

B

1 Stage
Riduzione
Stufe
Trains
Etapas

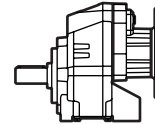
501C
701C
801C
851C
901C

2 Stages
Riduzioni
Stufen
Trains
Etapas

502C
702C
802C
852C
902C

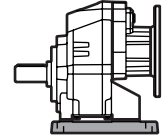
3 Stages
Riduzioni
Stufen
Trains
Etapas

503C
703C
803C
853C
903C



Without flange / feet

-N

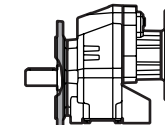


Mounted feet

B..

Feet / piedini

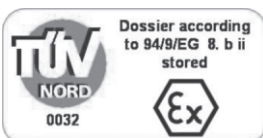
Feet Code	Market reference	G	H	R	L	L1	S
B1	112	18	85	110	87	50	
B2	212/3	18	100	130	107.5		
S1	17	18	75	110	90+20		
S2	27	25	90	110	130		
M1	42/3	25	80	110+120	85		
L4	04	13	80	105			
L5	05	16	100	125			



Output flange mounted

-F

You see feet code in the chart of the dimensions
Vedi codice piede nella tabella delle dimensioni



On request we can deliver our products according to the ATEX
A richiesta possiamo fornire i nostri prodotti secondo le normative ATEX
Auf Anfrage können wir unsere Produkte den Richtlinien ATEX entsprechend liefern
Sur demande nos produits peuvent se conformer à la réglementation ATEX
A pedido, se pueden enviar nuestros productos de acuerdo con las normas ATEX.

Ratio - Rapporto
Untersetzung
Reduction
Relación

Output shaft
Albero uscita
Abtriebswelle
Arbre de sortie
Eje en salida

Output flange
Flangia uscita
Ausgangsflansch
Bride de sortie
Brida en salida

Motor size - Grandezza motore
Motor Grösse
Grandeur moteur - Tamaño motor

Terminal box position
Posizione morsetteria
Klemmkastenlage
Position boîte à bornes
Posición caja de bornes

Mounting position
Posizione montaggio
Einbaulage
Position de montage
Posición de montaje

6.57

H

4

-F

B

B3

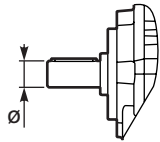
See technical data table

Vedi tabella dati tecnici.

Technisches Datenblatt beachten

Voir Tableau données techniques

Ver tabla datos técnicos



→ STANDARD

501C 502C
503C

H → **∅30**

I → **∅35**

701C 702C
703C

I → **∅35**

L → **∅38**

M → **∅40**

801C
802C 803C

M → **∅40**

P → **∅50**

851C 852C
853C

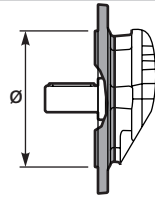
P → **∅50**

J → **∅60**

901C 902C
903C

P → **∅50**

J → **∅60**



N Senza flangia
Without flange

501C 502C
503C

3 → **∅160**

4 → **∅200**

5 → **∅250**

701C 702C
703C

4 → **∅200**

5 → **∅250**

801C
802C 803C

5 → **∅250**

6 → **∅300**

851C
852C 853C

6 → **∅300**

7 → **∅350**

901C
902C 903C

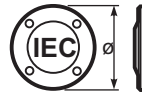
6 → **∅300**

7 → **∅350**

8 → **∅450**

→ STANDARD

Standard Flange
Flangia Standard



B5

-A=56
(∅120)

-B=63
(∅140)

-C=71
(∅160)

-D=80
(∅200)

-E=90
(∅200)

-F=100+112
(∅250)

-G=132
(∅300)

-H=160
(∅350)

-I=180
(∅350)

B14

-O=56
(∅80)

-P=63
(∅90)

-Q=71
(∅105)

-R=80
(∅120)

-T=90
(∅140)

-U=100+112
(∅160)

-V=132
(∅200)

Type R / Tipo R



503C

-1 → **∅14**

702C 802C
853C 903C

-3 → **∅24**

502C 703C
803C

-2 → **∅19**

852C 902C

-4 → **∅28**

Without flange / Senza flangia



503C

-Z → **∅9**
(56B5)

-0 → **∅11**
(63B5)

-1 → **∅14**
(71B5)

702C 802C
853C 903C

-2 → **∅19**
(80B5)

-3 → **∅24**
(90B5)

-4 → **∅28**
(100B5)

501C

-4 → **∅28**
(100B5)

→ STANDARD



A



B

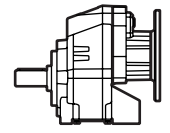
STANDARD



C

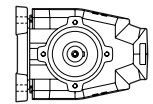


D

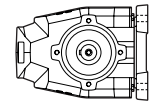


B3

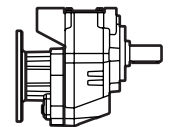
STANDARD



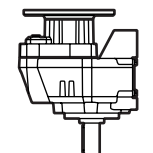
B6



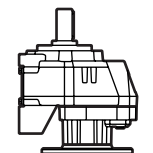
B7



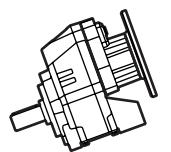
B8



V5



V6



V8

POTENZA RICHIESTA / REQUIRED POWER / ERFORDERLICHE LEISTUNG / PUISSANCE NECESSAIRE / POTENCIA NECESARIA

Lifting / sollevamento / hubantriebe / levage / elevación

$$P \text{ [KW]} = \frac{M \text{ [Kg]} \cdot g \text{ [9.81]} \cdot v \text{ [m / s]}}{1000}$$

Rotation / rotazione / drehung / rotation / rotação

$$P \text{ [KW]} = \frac{M \text{ [Nm]} \cdot n \text{ [rpm]}}{9550}$$

Linear movement / traslazione / linearbewegung / translation / translación

$$P \text{ [KW]} = \frac{F \text{ [N]} \cdot v \text{ [m / s]}}{1000}$$

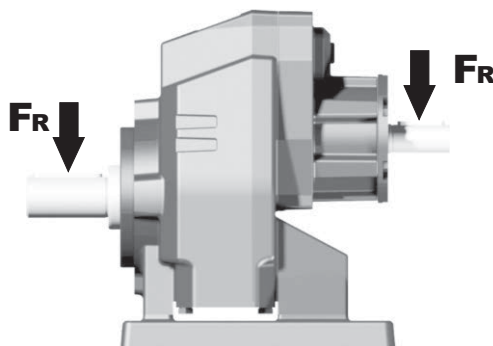
TORQUE / COPPIA / DREHMOMENT / COUPLE / PAR

$$M \text{ [Nm]} = \frac{9550 \cdot P \text{ [KW]}}{n \text{ [rpm]}}$$

$$M \text{ [lb in]} = \frac{63030 \cdot P \text{ [HP]}}{n \text{ [rpm]}}$$

RADIAL LOADS / CARICHI RADIALI / RADIALE - UND AXIALLASTEN / CHARGES RADIALES / CARGA RADIAL Y AXIAL

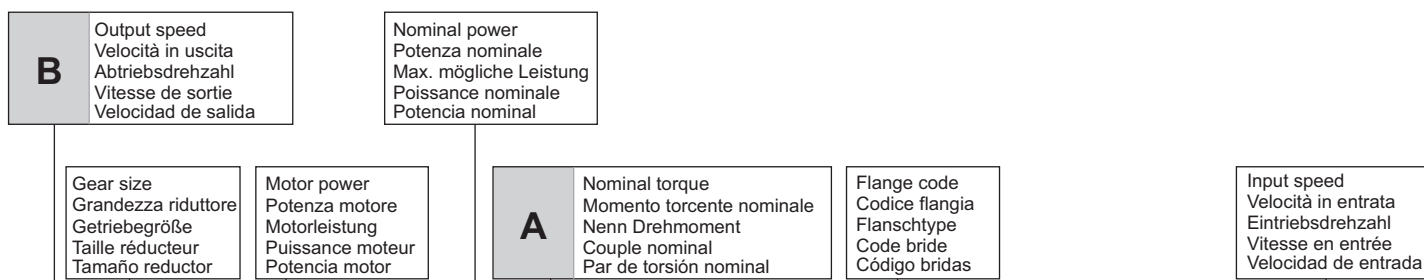
- Radial load generated by external transmissions keyed onto input and/or output shafts.
- Forza radiale generata da organi di trasmissione calettati sugli alberi di ingresso e/o uscita.
- Belastungen der Antriebs- bzw. Abtriebswellen durch von aussen eingebrachte Radiallasten.
- Charge radiale générée par la transmissions calés sur les entrées et / ou des arbres de sortie
- Cargas radiales, generada por transmisiones externas, aplicadas sobre los ejes de entrada y/o salida



	$F_R \text{ [N]} = \frac{M \text{ [Nm]} \cdot 2000}{d \text{ [mm]}} \cdot f_k$	$F_R \text{ [N]} = \frac{M \text{ [lb in]} \cdot 8.9}{d \text{ [in]}} \cdot f_k$
M	Momento torcente / Output torque / Abtriebsdrehmoment / Couple / Par torsion	
d	Diametro primitivo / Diam. of driving element / Durchmesser der Abtriebseinheit / Diamètre primitif / Diámetro primitivo	
f_k	Coefficiente di trasformazione / Factor / Faktor / Coefficient de transmission / Coeficiente de transmisión 1.15 Ingranaggi / Gearwheels / Zahnrad / Engrenage / Engranaje 1.25 Catena / Chain sprockets / Antriebskette / Chaîne / Cadena 1.75 Cinghia Trapezoidale / Narrow v-belt pulley / Keilriemen / Courroie trap. / Correa trapezoidal 2.50 Cinghia piatta / Flat-belt pulley / Flachzahnriem. / Courroie crantée / Correa plana	

- If your application requires higher radial loads, contact our technical office. Higher load may be possible.
- Nel caso la vostra applicazione richieda carichi radiali superiori consultare il nostro ufficio tecnico, valori maggiori possono essere accettati.
- Wenn Ihre Anwendung höhere Radialbelastungen erfordert, so wenden Sie sich bitte an unser technischen Büro.
- Si votre application demande des charges radiales supérieures, s'adresser à notre bureau technique.
- En el caso en que una aplicación exija una carga radial superior a la especificada en el catálogo, consultar a nuestra oficinas técnica.

How to select a gearbox / Come selezionare un riduttore / Wie wählt man ein Getriebe
Comment sélectionner un réducteur / Cómo seleccionar un reductor



702C Coaxial - Gear 675Nm

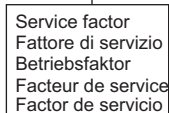
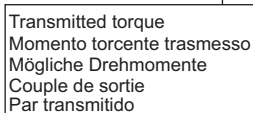
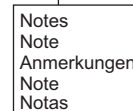
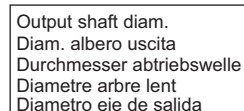
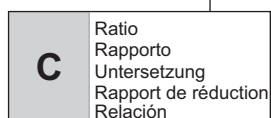
Rating - Cast Iron COAXIAL GEARBOXES



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges					Available B14 motor flanges				Output Shaft 	Ratios code	
							C	D	E	F	G	R	T	U	V			
213	6.57	7.5	312	1.2	8.8	380	B										3018	01
185	7.56	7.5	359	1.1	7.9	390	B										3016	02
159	8.82	7.5	419	1.0	7.1	410	B										3014	03
113	12.39	7.5	588	1.0	7.2	580	B										2018	04
98	14.24	5.5	499	1.2	6.4	600	B										2016	05



Type of load and starts per hour Tipo di carico e avviamenti per ora		Oper. hours per day Ore di funz. giorn.		
		3 h	10 h	24 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora	Uniform / Uniforme	0.8	1	1.25
	Moderate / Moderato	1	1.25	1.5
	Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora	Uniform / Uniforme	1	1.25	1.5
	Moderate / Moderato	1.25	1.5	1.75
	Heavy / Forte	1.5	1.75	2.15

D	Motor flange available Flange disponibili Erhältliche Motorflansche Brides disponibles Bridas disponibles	
B)	Mounting with reduction ring Montaggio con boccia di riduzione Reduzierhülsen Montage avec douille de réduction Montaje con casquillo de reducción	
C)	Motor flangeholes position/terminal box position Posizione fori flangia/basetta motore Bohrungsposition am Motorflansch/-sockel Position trous bride/barrette à bornes moteur Posición agujeros brida / base motor	
B)	Available without reduction bushes Disponibile anche senza boccia Auch ohne Reduzierbuchse verfügbar Disponible aussi sans douille de réduction Disponible tambien sin casquillo	

A	Select required torque (according to service factor)	Seleziona la coppia desiderata (comprensiva del fattore di servizio)	Max. Drehmoment in Bezug zum Betriebsfaktor	Sélectionner le couple souhaité (comprenant le facteur de service)	Seleccionar el par deseado (incluyendo el factor de servicio)
B	Select output speed	Seleziona la velocità in uscita	Ausgewählte Abtriebsdrehzahl	Sélectionner la vitesse de sortie	Seleccionar la velocidad de salida
C	On the same line of selected geared motor, you can find the gear ratio	Sulla riga corrispondente alla motorizzazione prescelta si può rilevare il rapporto di riduzione	Auf der gleichen Linie wie die ausgewählte Motorleistung steht auch die Getriebeuntersetzung	Sur la ligne correspondante à la motorisation pré-choisie on peut relever le rapport de réduction	En la línea correspondiente al motor preseleccionado es posible encontrar la relación de reducción
D	Select motor flange available (if requested)	Scegli la flangia disponibile (se richiesta)	Erhältliche Motorflansche (auf Anfrage)	Choisir la bride disponible (si elle est demandée)	Seleccionar la brida disponible (sobre pedido)