

**TRANSTECNO**<sup>®</sup>  
the modular gearmotor

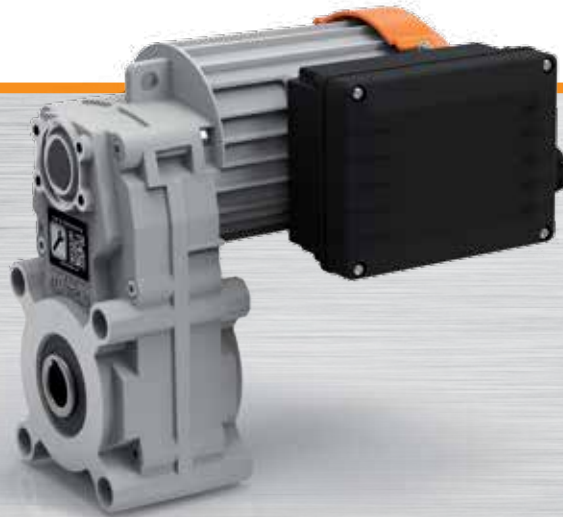
# KFT105



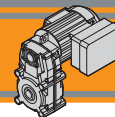
60HZ

IEC

Motorreductores pendulares  
Motoredutores de eixos paralelos  
Helical parallel gearmotors





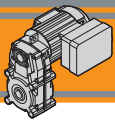


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### Características técnicas

La gama de motorreductores pendulares KFT105 tiene las siguientes características principales:

- Diseño compacto
- Motores monofásicos
- Carcasa de aluminio fundido
- Engranajes helicoidales
- Lubricación con aceite sintético de larga vida
- Disponible con 3 y 4 etapas de reducción

### Características técnicas

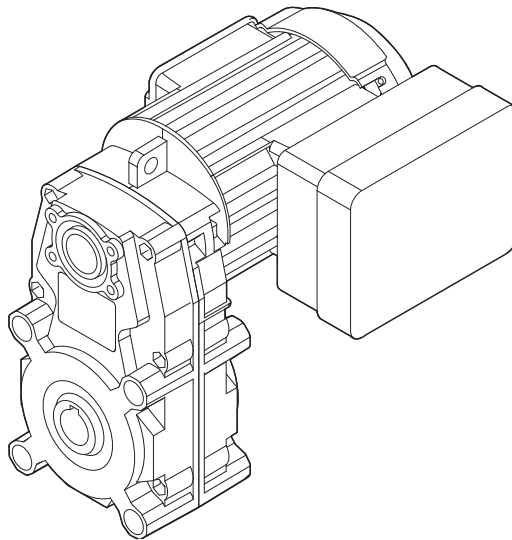
Os Motores de eixos paralelos KFT105 possuem como principais características principais:

- Design compacto
- Motorização monofásica AC Motor
- Carcaça de alumínio fundido sob pressão
- Engrenagens com dentes helicoidais
- lubrificação permanente com óleo sintético
- Disponível com 3 ou 4 estágios de redução

### Technical features

KFT105 helical parallel gearmotors range has the following main features:

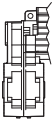
- Compact design
- AC single phase motors available
- Die-cast aluminum housings
- Helical gears
- Permanent synthetic oil long-life lubrication
- Available with 3 and 4 reduction stages

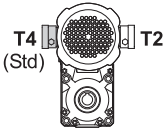


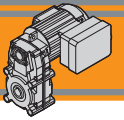
### Clasificación

### Designação

### Classification

REDUCTOR / REDUTOR / GEARBOX				
KFT	105/3	U	88.87	O20
Tipo Tipo Type	Tamaño Tamanho Size	Versión Versão Version	Relación de reducción Rapporto Ratio	Eje de salida hueco Eixo saída vazado Hollow output shaft
	105/3 105/4	U... F...	Véase tablas Veja tabelas see tables	Véase tablas Veja tabelas see tables

MOTOR / MOTOR / MOTOR						
40W	4p	1ph	230	60Hz	T1	TEFC
Potencia Potência Power	Polos Pólos Poles	Fases Fases Phases	Tensión Tensão Voltage	Frecuencia Frequência Frequency	Posición caja de bornes Pos. Conexão Terminal box pos.	Ventilación de enfriamiento Ventilação Fan cooling
Véase tablas Veja tabelas see tables	2p 4p 6p	1ph	230V	60Hz		TEFC TENV



## Nomenclatura

## Simbologia

## Legend

$n_1$	[rpm]	Velocidad de entrada / <i>Velocidade na entrada</i> / Input speed
$n_2$	[rpm]	Velocidad de salida / <i>Velocidade na saída</i> / Output speed
$i$		Relación de reducción / <i>Relação de redução</i> / Ratio
$P_1$	[kW]	Potencia en la entrada / <i>Potência da entrada</i> / Input power
$M_2$	[Nm]	Par en la salida en función de $P_1$ / <i>Torque na saída em função de <math>P_1</math></i> / Output torque referred to $P_1$
$P_{n1}$	[kW]	Potencia nominal en la entrada / <i>Potência nominal na entrada</i> / Nominal input power
$M_{n2}$	[Nm]	Par nominal en la salida en función de $P_{n1}$ / <i>Torque nominal na saída em função de <math>P_{n1}</math></i> / Nominal output torque referred to $P_{n1}$
$sf$		Factor de servicio / <i>Fator de serviço</i> / Service factor
$R_2$	[N]	Carga radial admisible en la salida / <i>Carga radial admissível na saída</i> / Maximum output radial load
$A_2$	[N]	Carga axial admisible en la salida / <i>Carga axial admissível na saída</i> / Maximum output axial load
$V$	[V]	Tensión / <i>Tensão</i> / Voltage
$F$	[Hz]	Frecuencia / <i>Frequência</i> / Frequency
$I_n$	[A]	Corriente nominal / <i>Torque nominal</i> / Nominal current
$I_s$	[A]	Corriente de arranque / <i>Torque de pico</i> / Start current
$\cos\phi$		Factor de potencia / <i>Fator de potência</i> / Power factor
$C$	[ $\mu$ ]	Condensador / <i>Capacidade do condensador</i> / Capacitor

## Lubricación

## Lubrificação

## Lubrication

Todos los motoredutores pendulares son previamente lubricados con aceite sintético con grado de viscosidad 320, por lo tanto, pueden ser instalados en cualquier posición de montaje y no requieren mantenimiento.

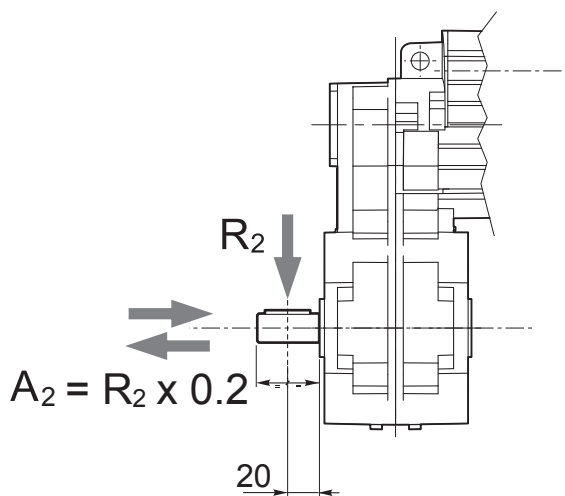
*Todos os motoredutores são fornecidos completos de lubrificante sintético de viscosidade 320, portanto, podem ser instalados em qualquer posição de montagem e não necessitam de manutenção.*

*Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.*

## Cargas radiales

## Cargas radiais

## Radial loads

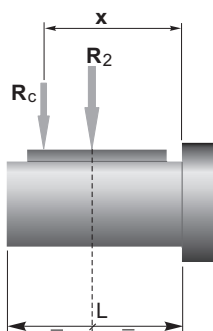


$n_2$ [min <sup>-1</sup> ]	$R_2$ [N]
	KFT105
70	1500
40	1700
30	1850
20	2000
10	2000
5	2000

Cuando la carga radial no se aplica en el punto medio del eje, es necesario calcular la carga efectiva a través la siguiente fórmula:

*Quando a carga radial resultante não é aplicada na linha mediana da eixo, é preciso calcular aquela efetiva com a seguinte fórmula:*

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:

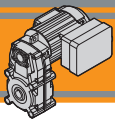


	KFT105
$a$	82
$b$	62
$R_{2MAX}$	2000

$$R_c = \frac{R_2 \cdot a}{(b + x)} \leq R_{2MAX}$$

$$R \leq R_c$$

$a, b =$  valores dados en la tabla  
 $a, b =$  valores referidos na tabela  
 $a, b =$  values given in the table





























Datos técnicos

Dados técnicos

Technical data

$n_1$  1750 [min<sup>-1</sup>]

P <sub>1</sub> [W]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	M <sub>n</sub> [Nm]	i		P <sub>1</sub> [W]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	M <sub>n</sub> [Nm]	i																																																																																																																																																																																																																																																																																																																																														
<b>25</b>							<b>90</b>																																																																																																																																																																																																																																																																																																																																																			
85	2.6	15.2	40	20.57	KFT105/3		85	9	4.2	40	20.57	KFT105/3																																																																																																																																																																																																																																																																																																																																														
53	4.3	11.7	50	33.32			39	5.7	11.4	65	44.36			32	7.0	9.2	65	54.87	24	9.2	7.1	65	71.84	23	10	6.6	65	77.07	20	11	5.7	65	88.87	14	16	4.1	65	124.81	9.6	23	2.8	65	181.35	7.8	29	2.3	65	224.32	5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2	40	20.57	KFT105/3		53	6.8	7.3	50	33.32	39	9.1	7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40															
39	5.7	11.4	65	44.36			32	7.0	9.2	65	54.87			24	9.2	7.1	65	71.84	23	10	6.6	65	77.07	20	11	5.7	65	88.87	14	16	4.1	65	124.81	9.6	23	2.8	65	181.35	7.8	29	2.3	65	224.32	5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3		53			6.8	7.3	50	33.32	39	9.1	7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3										53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40														
32	7.0	9.2	65	54.87			24	9.2	7.1	65	71.84			23	10	6.6	65	77.07	20	11	5.7	65	88.87	14	16	4.1	65	124.81	9.6	23	2.8	65	181.35	7.8	29	2.3	65	224.32	5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53			6.8			7.3	50	33.32	39	9.1	7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3												53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40													
24	9.2	7.1	65	71.84			23	10	6.6	65	77.07			20	11	5.7	65	88.87	14	16	4.1	65	124.81	9.6	23	2.8	65	181.35	7.8	29	2.3	65	224.32	5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53					6.8			7.3			50	33.32	39	9.1	7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3														53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40												
23	10	6.6	65	77.07			20	11	5.7	65	88.87			14	16	4.1	65	124.81	9.6	23	2.8	65	181.35	7.8	29	2.3	65	224.32	5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53					6.8					7.3			50			33.32	39	9.1	7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3																53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40											
20	11	5.7	65	88.87			14	16	4.1	65	124.81			9.6	23	2.8	65	181.35	7.8	29	2.3	65	224.32	5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53					6.8					7.3					50			33.32			39	9.1	7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3																		53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40										
14	16	4.1	65	124.81			9.6	23	2.8	65	181.35			7.8	29	2.3	65	224.32	5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53					6.8					7.3					50					33.32			39			9.1	7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3																				53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40									
9.6	23	2.8	65	181.35			7.8	29	2.3	65	224.32			5.6	40	1.6	65	315.05	4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53					6.8					7.3					50					33.32					39			9.1			7.1	65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3																						53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40								
7.8	29	2.3	65	224.32			5.6	40	1.6	65	315.05			4.8	47	1.4	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53					6.8					7.3					50					33.32					39					9.1			7.1			65	44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3																								53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40							
5.6	40	1.6	65	315.05			4.8	47	1.4	65	368.19			KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	69	0.9	65	534.98	3.3	110	0.6	65	534.98	2.6	85	0.8	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>40</b>							<b>120</b>							85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2			40	20.57	KFT105/3				53					6.8					7.3					50					33.32					39					9.1					7.1			65			44.36	32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3																										53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40						
4.8	47	1.4	65	368.19			KFT105/4	4.8	110	0.6	65			368.19	KFT105/4																																																																																																																																																																																																																																																																																																																																											
3.3	69	0.9	65	534.98			3.3	110	0.6	65	534.98																																																																																																																																																																																																																																																																																																																																															
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85	4.2	9.5	40	20.57	KFT105/3		85	13	3.2	40	20.57	KFT105/3																																																																																																																																																																																																																																																																																																																																														
53	6.8	7.3	50	33.32			39	9.1	7.1	65	44.36			32	11	5.8	65	54.87	24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65			534.98	3.3	110			0.6	65					534.98					2.6					110					0.6		65	661.76		2.6		110	0.6		65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53	10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76								1.9	110	0.6	65	929.40																																																																																																														
39	9.1	7.1	65	44.36			32	11	5.8	65	54.87			24	15	4.4	65	71.84	23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65			534.98	2.6	110			0.6	65					661.76					2.6					110		0.6	65		661.76		1.9	110		0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53			10	4.9	50	33.32	39	14	4.8	65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110						0.6	65	929.40																																																																																																																	
32	11	5.8	65	54.87			24	15	4.4	65	71.84			23	16	4.1	65	77.07	20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65			661.76	2.6	110			0.6	65					661.76					1.9		110	0.6		65		929.40	1.9		110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53			10	4.9	50	33.32	39	14	4.8			65	44.36	32	17	3.8	65	54.87	24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																													
24	15	4.4	65	71.84			23	16	4.1	65	77.07			20	18	3.6	65	88.87	14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65			661.76	1.9	110			0.6	65					929.40		1.9	110		0.6		65	929.40		<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53			10	4.9	50	33.32	39	14	4.8			65	44.36	32	17	3.8	65	54.87			24	22	2.9	65	71.84	23	24	2.7	65	77.07	20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																																				
23	16	4.1	65	77.07			20	18	3.6	65	88.87			14	26	2.5	65	124.81	9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65			929.40	1.9	110			0.6	65		929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53	10	4.9	50			33.32	39	14	4.8	65	44.36	32			17	3.8	65	54.87	24	22	2.9			65	71.84	23	24	2.7	65	77.07			20	27	2.4	65	88.87	14	38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																																														
20	18	3.6	65	88.87			14	26	2.5	65	124.81			9.6	37	1.7	65	181.35	7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65			929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3										53	10	4.9	50	33.32	39	14	4.8	65	44.36			32	17	3.8	65	54.87	24	22			2.9	65	71.84	23	24	2.7	65			77.07	20	27	2.4	65	88.87	14			38	1.7	65	124.81	9.6	56	1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																																																				
14	26	2.5	65	124.81			9.6	37	1.7	65	181.35			7.8	46	1.4	65	224.32	5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3									53	10	4.9	50	33.32	39			14	4.8	65	44.36	32	17	3.8	65	54.87	24			22	2.9	65	71.84	23	24	2.7			65	77.07	20	27	2.4	65	88.87			14	38	1.7	65	124.81	9.6	56			1.2	65	181.35	7.8	69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																																																										
9.6	37	1.7	65	181.35			7.8	46	1.4	65	224.32			5.6	65	1.0	65	315.05	4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53	10	4.9	50			33.32	39	14	4.8	65	44.36			32	17	3.8	65	54.87	24	22	2.9	65	71.84			23	24	2.7	65	77.07	20	27			2.4	65	88.87	14	38	1.7	65			124.81	9.6	56	1.2	65	181.35	7.8			69	0.9	65	224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																																																														
7.8	46	1.4	65	224.32			5.6	65	1.0	65	315.05			4.8	76	0.9	65	368.19	KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53	10			4.9	50	33.32	39	14			4.8	65	44.36	32	17	3.8			65	54.87	24	22	2.9	65	71.84	23	24	2.7			65	77.07	20	27	2.4	65	88.87			14	38	1.7	65	124.81	9.6	56			1.2	65	181.35	7.8	69	0.9	65			224.32	5.6	97	0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																																																																	
5.6	65	1.0	65	315.05			4.8	76	0.9	65	368.19			KFT105/4	4.8	110	0.6	65	368.19	KFT105/4	3.3	110	0.6	65	534.98	3.3	110	0.6	65	534.98	2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76	1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40	<b>60</b>														85	6.3	6.3	40	20.57	KFT105/3								53	10			4.9	50	33.32			39	14	4.8	65	44.36			32	17	3.8	65	54.87	24			22	2.9	65	71.84	23	24	2.7	65	77.07	20			27	2.4	65	88.87	14	38	1.7			65	124.81	9.6	56	1.2	65	181.35			7.8	69	0.9	65	224.32	5.6	97			0.7	65	315.05	4.8	110	0.6	65	368.19	KFT105/4							3.3	110	0.6	65	534.98							2.6	110	0.6	65	661.76							1.9	110	0.6	65	929.40																																																																																																																																																																				
4.8	76	0.9	65	368.19			KFT105/4	4.8	110	0.6	65			368.19	KFT105/4																																																																																																																																																																																																																																																																																																																																											
3.3	110	0.6	65	534.98			3.3	110	0.6	65	534.98																																																																																																																																																																																																																																																																																																																																															
2.6	110	0.6	65	661.76	2.6	110	0.6	65	661.76																																																																																																																																																																																																																																																																																																																																																	
1.9	110	0.6	65	929.40	1.9	110	0.6	65	929.40																																																																																																																																																																																																																																																																																																																																																	
<b>60</b>																																																																																																																																																																																																																																																																																																																																																										
85	6.3	6.3	40	20.57	KFT105/3																																																																																																																																																																																																																																																																																																																																																					
53	10	4.9	50	33.32																																																																																																																																																																																																																																																																																																																																																						
39	14	4.8	65	44.36																																																																																																																																																																																																																																																																																																																																																						
32	17	3.8	65	54.87																																																																																																																																																																																																																																																																																																																																																						
24	22	2.9	65	71.84																																																																																																																																																																																																																																																																																																																																																						
23	24	2.7	65	77.07																																																																																																																																																																																																																																																																																																																																																						
20	27	2.4	65	88.87																																																																																																																																																																																																																																																																																																																																																						
14	38	1.7	65	124.81																																																																																																																																																																																																																																																																																																																																																						
9.6	56	1.2	65	181.35																																																																																																																																																																																																																																																																																																																																																						
7.8	69	0.9	65	224.32																																																																																																																																																																																																																																																																																																																																																						
5.6	97	0.7	65	315.05																																																																																																																																																																																																																																																																																																																																																						
4.8	110	0.6	65	368.19			KFT105/4																																																																																																																																																																																																																																																																																																																																																			
3.3	110	0.6	65	534.98																																																																																																																																																																																																																																																																																																																																																						
2.6	110	0.6	65	661.76																																																																																																																																																																																																																																																																																																																																																						
1.9	110	0.6	65	929.40																																																																																																																																																																																																																																																																																																																																																						

**N.B.**

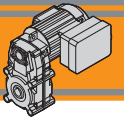
Por favor, compruebe que el par de salida M2 no exceda el valor en las áreas grises

**N. B.**

Sempre verifique que o torque (M2) não exceda o valor indicado nas tabelas cinzas

**N.B.**

Please check that the output torque M2 does not exceed the value in the grey areas



## Datos técnicos

## Dados técnicos

## Electrical technical data

1 Ph	$P_n$ [W]	$V$ [V]	$F$ [Hz]	$I_n$ [A]	$I_s$ [A]	$\cos\phi$	$C$ [ $\mu$ F]
	25	230	50	0.40	0.58	0.98	8.0
	40			0.60	1.00	0.70	8.0
	60			0.65	1.71	0.84	8.0
	90			0.85	1.75	0.93	12.5
	120			1.10	3.00	0.97	14.0

**Nota:**

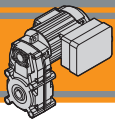
Versión trifásica disponible bajo pedido.  
 Por favor, póngase en contacto con el  
 servicio técnico.

**Nota:**

A versão trifásica está disponível a pedido.  
 Por favor contactar a assistência técnica

**Note:**

Three-phase version available upon  
 request.  
 Please contact our technical service.



**Dimensiones**

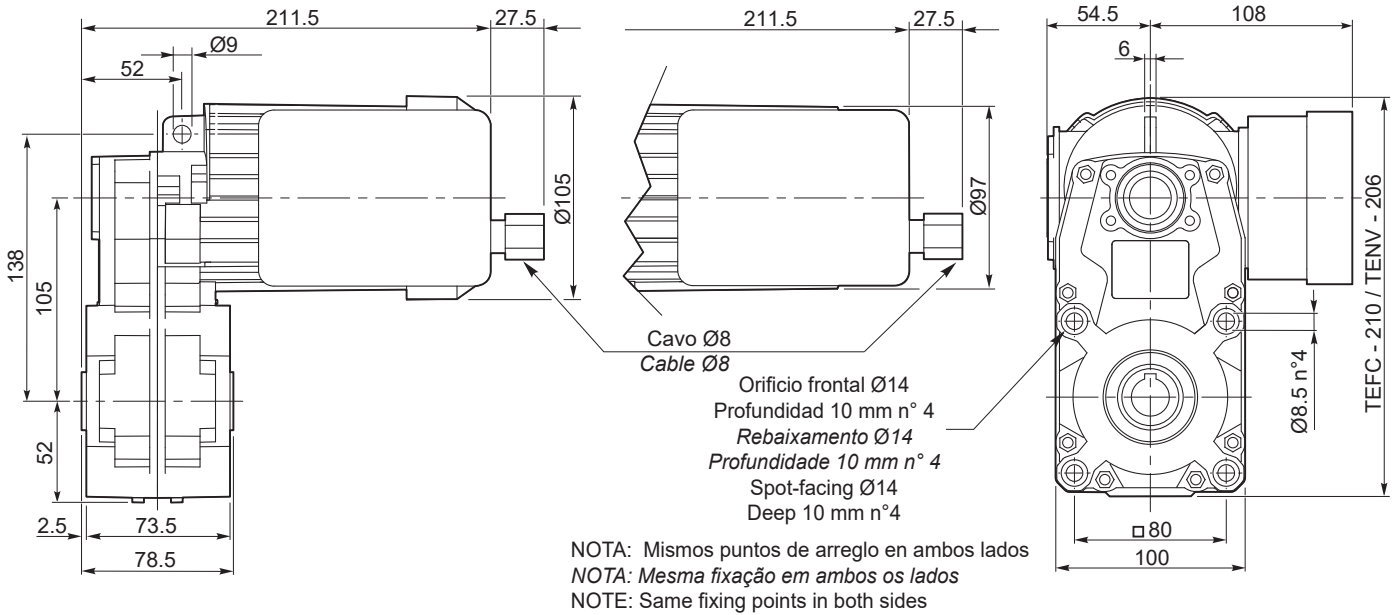
**Dimensões**

**Dimensions**

**KFT 105... 25W - 40W - 60W - 90W**

**KFT 105...1 Ph...TEFC**

**KFT 105...1 Ph...TENV**

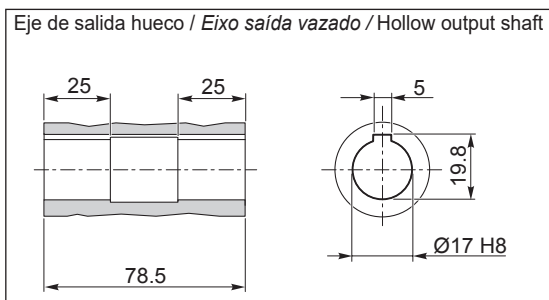


**Nota:**  
 Versión trifásica disponible bajo pedido.  
 Por favor, póngase en contacto con el  
 servicio técnico.

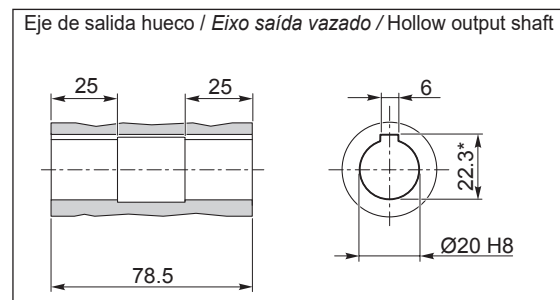
**Nota:**  
 A versão trifásica está disponível a pedido.  
 Por favor contactar a assistência técnica

**Note:**  
 Three-phase version available upon  
 request.  
 Please contact our technical service.

**O17**

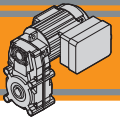


**O20**



\*Ranura especial / Encaixe da chaveta rebaixada / Special Keyway





Dimensiones

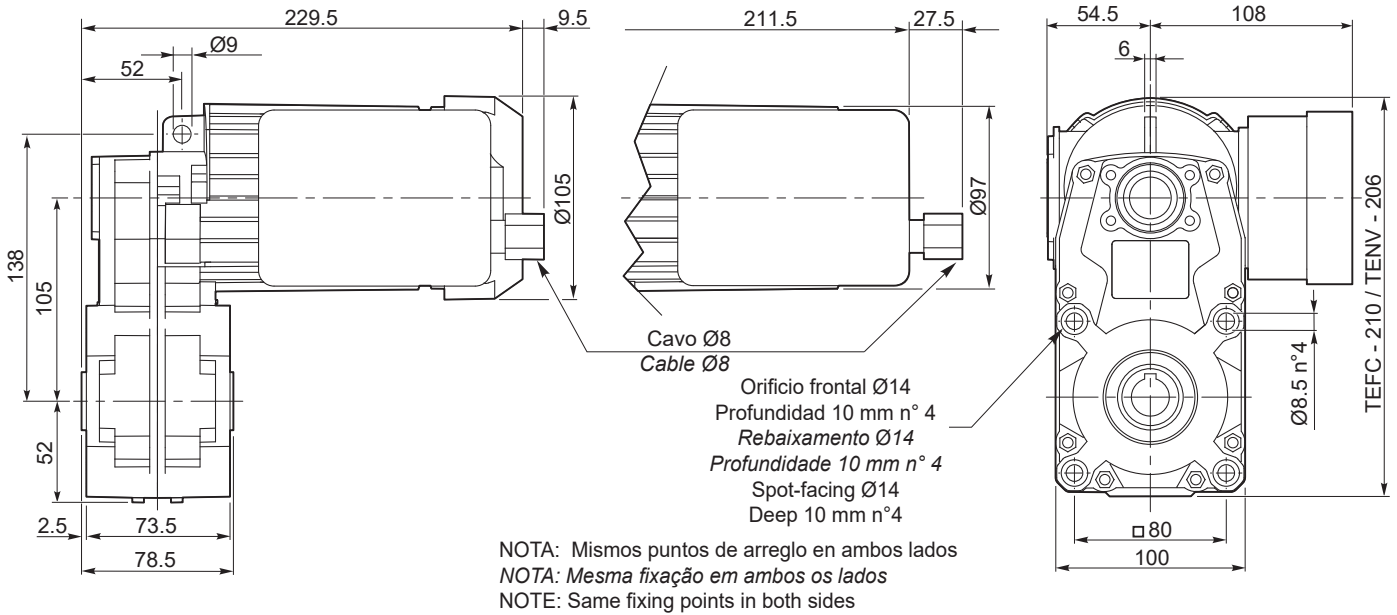
Dimensões

Dimensions

KFT 105... 120W

KFT 105...1 Ph... TEFC

KFT 105...1 Ph...TENV

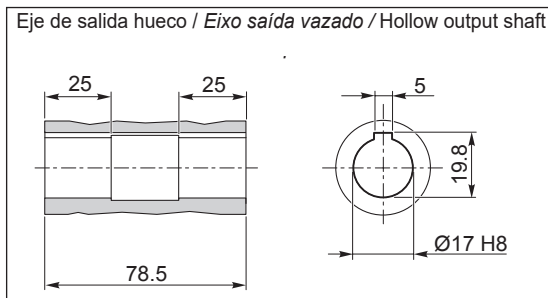


**Nota:**  
Versión trifásica disponible bajo pedido.  
Por favor, póngase en contacto con el servicio técnico.

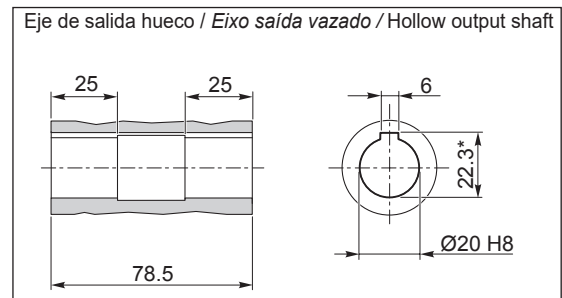
**Nota:**  
A versão trifásica está disponível a pedido.  
Por favor contactar a assistência técnica

**Note:**  
Three-phase version available upon request.  
Please contact our technical service.

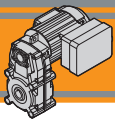
O17



O20



\*Ranura especial / Encaixe da chaveta rebaixada / Special Keyway



**Conexiones eléctricas**

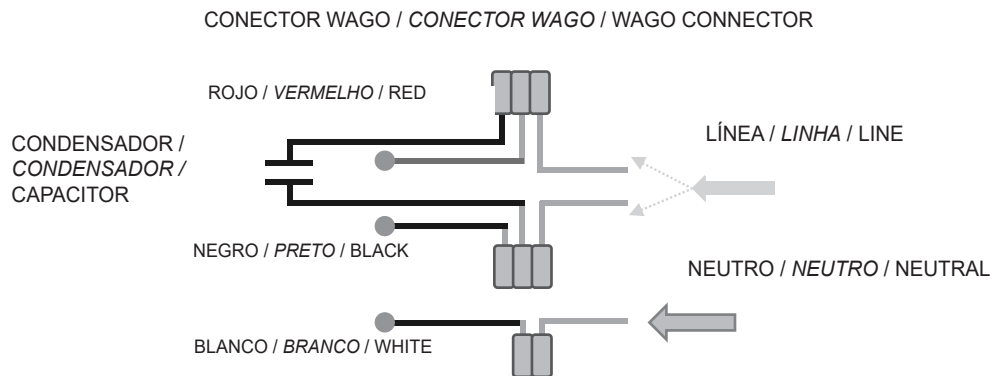
**Ligações elétricas**

**Electrical connections**

**Versión 230 V 50 Hz monofásica**

**Versão 230 V 50 Hz monofásica**

**230 V 50 Hz single-phase version**



**Línea = ROJO**  
**Relación = 20.57 ÷ 315.05**

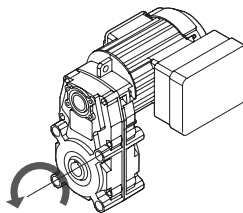
**Línea = NEGRO**  
**Relación = 368.19 to 929.40**

**Linha = VERMELHO**  
**Relação = 20.57 ÷ 315.05**

**Linha = PRETO**  
**Relação = 368.19 to 929.40**

**Line = RED**  
**Ratio = 20.57 ÷ 315.05**

**Line = BLACK**  
**Ratio = 368.19 to 929.40**



**Línea = NEGRO**  
**Relación = 20.57 ÷ 315.05**

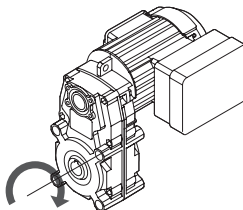
**Línea = ROJO**  
**Relación = 368.19 to 929.40**

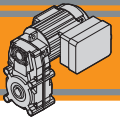
**Linha = PRETO**  
**Relação = 20.57 ÷ 315.05**

**Linha = VERMELHO**  
**Relação = 368.19 to 929.40**

**Line = BLACK**  
**Ratio = 20.57 ÷ 315.05**

**Línea = RED**  
**Ratio = 368.19 to 929.40**





## Conexiones eléctricas

## Ligações elétricas

## Electrical connections

Versión 230 V 50 Hz monofásica

Versão 230 V 50 Hz monofásica

230 V 50 Hz single-phase version

**Nota:**

En caso de que sea necesario conectar la PTO, para una mayor protección térmica del motor, seguir el circuito siguiente

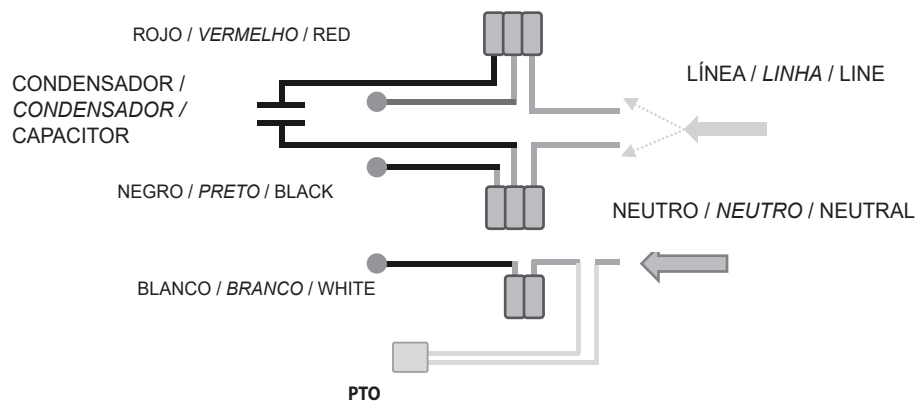
**Nota:**

Caso seja necessário ligar a PTO, para maior proteção térmica do motor, seguir o esquema abaixo

**Note:**

Should it be necessary to connect the PTO, for increased thermal protection of the motor, follow the diagram below

CONECTOR WAGO / CONECTOR WAGO / WAGO CONNECTOR



Conexión al circuito de mando del motor a cargo del cliente.

A ligação ao circuito de comando do motor é da responsabilidade do cliente.

Motor supply connection by the customer.



Por motivos de seguridad, no se recomienda la conexión en serie. Si es necesario, póngase en contacto con el Servicio Técnico de Transtecno.



Por motivos de segurança, é desaconselhada a ligação em série. Se necessário, contactar a Assistência Técnica Transtecno.



For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service.



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