

CHTPC WORM GEAR WITH PRE-STAGE MODULE



DESIGNATION CHTPC / CHM - CHME

TYPE	SIZE	i =	P.A.M.	MOUNT. POS
CHTPC	63	3	63B5	If supplied coupled with CHM or CHME types specify the position of these, when the pre-stage module is supplied by itself it is prepared for universal assembly.
	71	3	71B5	
	80	3	80B5	
	90	2.42	90B5	

EXAMPLE ORDER FOR A CHTPC COUPLED TO A CHM OR CHME GEAR

CHTPC	90	CHM	110	i=242 (2.42x100)	PAM 90B5	POS.B3
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If the motor is also required, please specify:

Size	es. 90 L4
Power	es. Kw 1.5
Poles	es. 4
Voltage	es. V230/400
Frequency	es. 50 Hz
Flange	sempre B 5

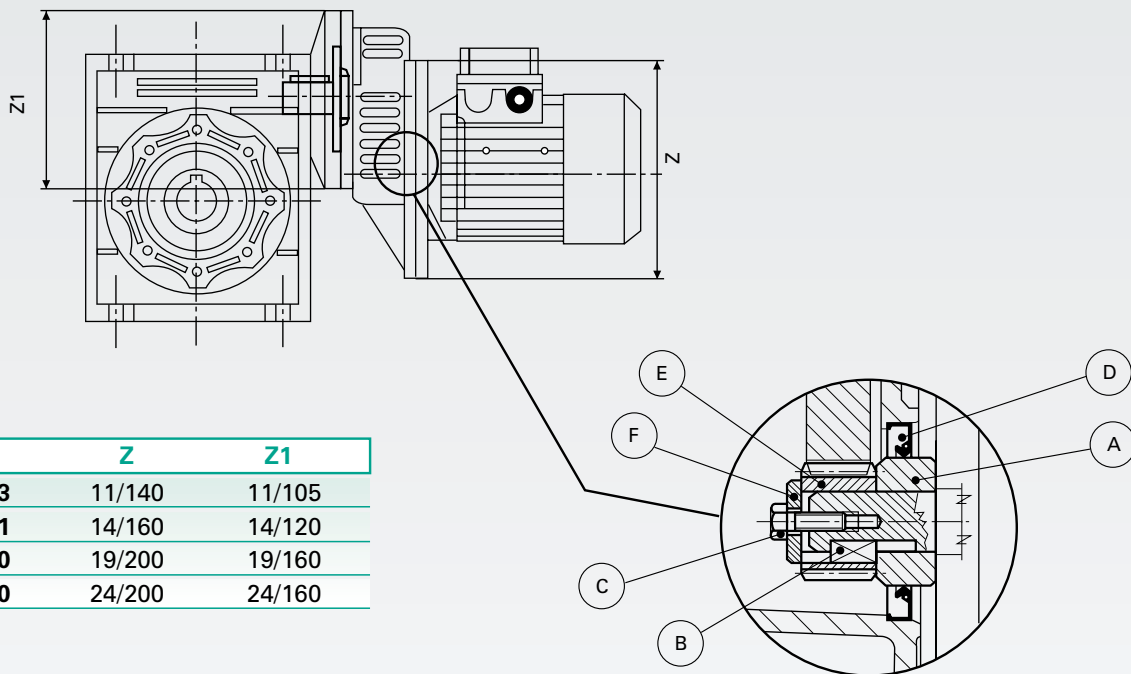
N.B. From size 25 to 63 the gears are always supplied in the Universal position and can therefore be mounted in any position, from size 75 to size 130 if the position required differs from B3 it must be specified.

In particular, in the event that a gear in position B3 is to be mounted in positions V5 or V6, the bearing positioned in the upper side must be lubricated using suitable grease that ensures proper lubrication.

We have tested Tecnolubeseal POLYMER 400/2 grease.

POSSIBLE COUPLINGS FOR CHTPC / CHM - CHME

CHM - CHME	i	CHTPC 63	CHTPC 71	CHTPC 80	CHTPC 90
40	all	#			
40	da 7.5 a 40	#			
50	da 40 a 100	#			
50	da 7.5 a 50		#		
63	da 50 a 100	#			
63	da 30 a 100		#		
75	da 30 a 100		#		
75	da 30 a 100			#	
90	da 30 a 100		#		
90	da 30 a 100			#	
110	da 40 a 100			#	
110	da 30 a 100				#
130	da 30 a 100				#



PINION ASSEMBLY INSTRUCTIONS

- 1) Assemble the spacer A (if necessary heat between 80° and 100° C) onto the driving shaft and block it with Loctite 638 for coaxial blockings
- 2) Insert the key B included in the kit
- 3) Assemble the pinion E (if necessary heat between 80° and 100° C) onto the driving shaft
- 4) Fix the washer F using the screw C
- 5) Assemble the oil seal D in the direction shown in the drawing
- 6) Insert the motor with the pinion, taking care not to damage the oil seal

* The size CHTPC 90 is fixed using a ring and dowel

CHTPC/CHM PERFORMANCE WITH 4-POLE MOTORS – 1400 REVS. INPUT

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	90	15.6	0.18	61
	120	11.7	0.18	52
CHTPC63	150	9.3	0.18	46
CHM040	180	7.8	0.18	46
	240	5.8	0.18	40
	300	4.7	0.18	36

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	90	15.6	0.37	153
	120	11.7	0.37	190
CHTPC71	150	9.3	0.37	220
CHM075	180	7.8	0.37	236
	180	7.8	0.25	159
	240	5.8	0.25	208
	300	4.7	0.25	210

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	90	15.6	0.18	69
	120	11.7	0.18	85
CHTPC63	150	9.3	0.18	89
CHM050	180	7.8	0.18	88
	240	5.8	0.18	76
	300	4.7	0.18	65

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	90	15.6	0.75	307
	120	11.7	0.55	278
CHTPC80	150	9.3	0.55	260
CHM075				

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	90	15.6	0.25	97
CHTPC71	120	11.7	0.25	110
CHM050	150	9.3	0.25	112

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	180	7.8	0.37	260
CHTPC71	240	5.8	0.37	320
CHM090	300	4.7	0.37	345

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	150	9.3	0.18	101
CHTPC63	180	7.8	0.18	115
CHM063	240	5.8	0.18	136
	300	4.7	0.18	121

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	90	15.6	0.75	320
CHTPC80	120	11.7	0.75	397
CHM090	150	9.3	0.75	426
	180	7.8	0.75	425
	240	5.8	0.55	374

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	90	15.6	0.37	145
	90	15.6	0.25	98
CHTPC71	120	11.7	0.37	184
CHM063	120	11.7	0.25	124
	150	9.3	0.37	192
	150	9.3	0.25	129
	180	7.8	0.25	164
	240	5.8	0.25	139
	300	4.7	0.25	128

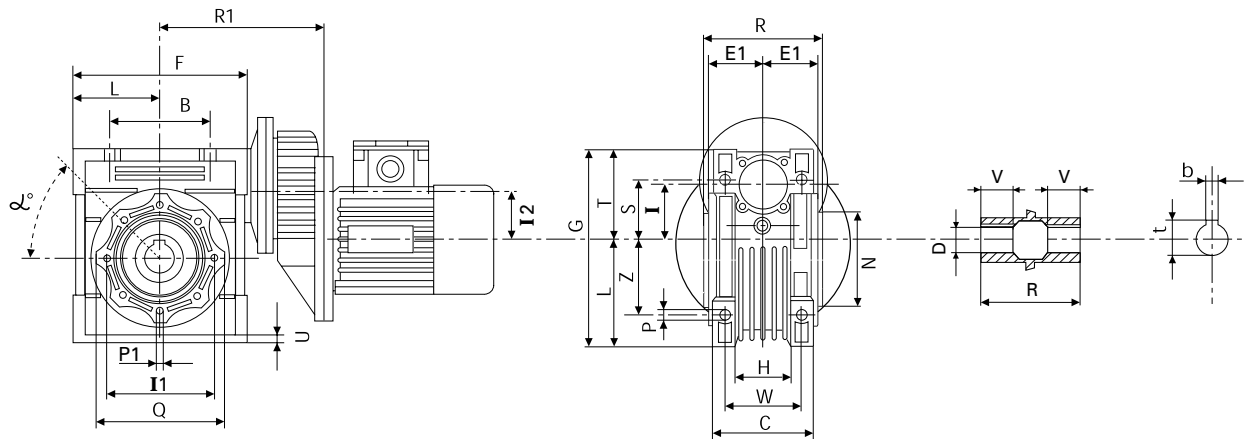
TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	120	11.7	0.75	421
CHTPC80	150	9.3	0.75	496
CHM110	180	7.8	0.75	569
	240	5.8	0.75	617
	300	4.7	0.55	585

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	96.8	14.5	1.50	679
CHTPC90	121	11.6	1.50	801
CHM110	145.2	9.6	1.50	810
	145.2	9.6	1.10	595
	193.6	7.2	1.10	660

TYPE	i=ratio	n2 r/min	Kw=P1	Nm=T2
	96.8	14.5	1.50	679
CHTPC90	121	11.6	1.50	813
CHM130	145.2	9.6	1.50	917
	193.6	7.2	1.50	1013
	242	5.8	1.10	848

The choice of power installed is tied to the unification of the motors, therefore it is sometimes in exuberance compared to the gear; always verify the maximum torque indicated when making the selection and if in doubt please contact our technical office.

CHTPC - CHM DIMENSIONS



CHTPC CHM	B	F	D(H7)	G	H	R1	R	L	I	I2	C	I1	N(H8)	E1	P	Q	S	T
63+040	70	100	18	121.5	43	123	78	50	40	40	71	75	60	36.5	6.5	87	55	71.5
63+050	80	120	25	144	49	133	92	60	50	40	85	85	70	43.5	8.5	100	64	84
71+050	80	120	25	144	49	143	92	60	50	50	85	85	70	43.5	8.5	100	64	84
63+063	100	144	25	174	67	148	112	72	63	40	103	95	80	53	8.5	110	80	102
71+063	100	144	25	174	67	158	112	72	63	50	103	95	80	53	8.5	110	80	102
71+075	120	172	28	205	72	176	120	86	75	50	112	115	95	57	11	140	93	119
80+075	120	172	28	205	72	186	120	86	75	63	112	115	95	57	11	140	93	119
71+090	140	208	35	238	74	193	140	103	90	50	130	130	110	67	13	160	102	135
80+090	140	208	35	238	74	203	140	103	90	63	130	130	110	67	13	160	102	135
80(90)+110	170	252.5	42	295	-	233	155	127.5	110	63	144	165	130	74	14	200	125	167.5
80(90)+130	200	292.5	45	335	-	253	170	147.5	130	63	155	215	180	81	16	250	140	187.5

CHTPC CHM	U	V	Z	W	P1	α°	b	t	Weight in Kg. excluding motor
63+040	6.5	26	35	60	M6x8n.4	45°	6	20.8	3.9
63+050	7	30	40	70	M8x10n.4	45°	8	28.3	5.2
71+050	7	30	40	70	M8x10n.4	45°	8	28.3	5.8
63+063	8	36	50	85	M8x14n.8	45°	8	28.3	7.9
71+063	8	36	50	85	M8x14n.8	45°	8	28.3	8.5
71+075	10	40	60	90	M8x14n.8	45°	8	31.3	11
80+075	10	40	60	90	M8x14n.8	45°	8	31.3	12.6
71+090	11	45	70	100	M10x18n.8	45°	10	38.3	14.3
80+090	11	45	70	100	M10x18n.8	45°	10	38.3	16.2
80(90)+110	14	50	85	115	M10x18n.8	45°	12	45.3	39
80(90)+130	15	60	100	120	M12x21n.8	45°	14	48.8	67.2

N.B. For the side flange and double extended input worm dimensions see the corresponding size of the CHM series. See pages 8 and 9.