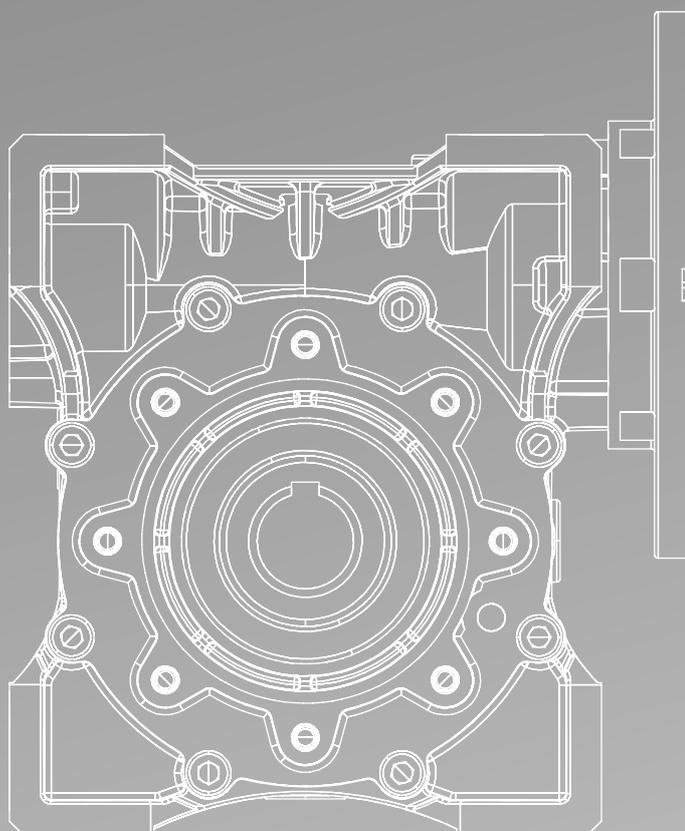
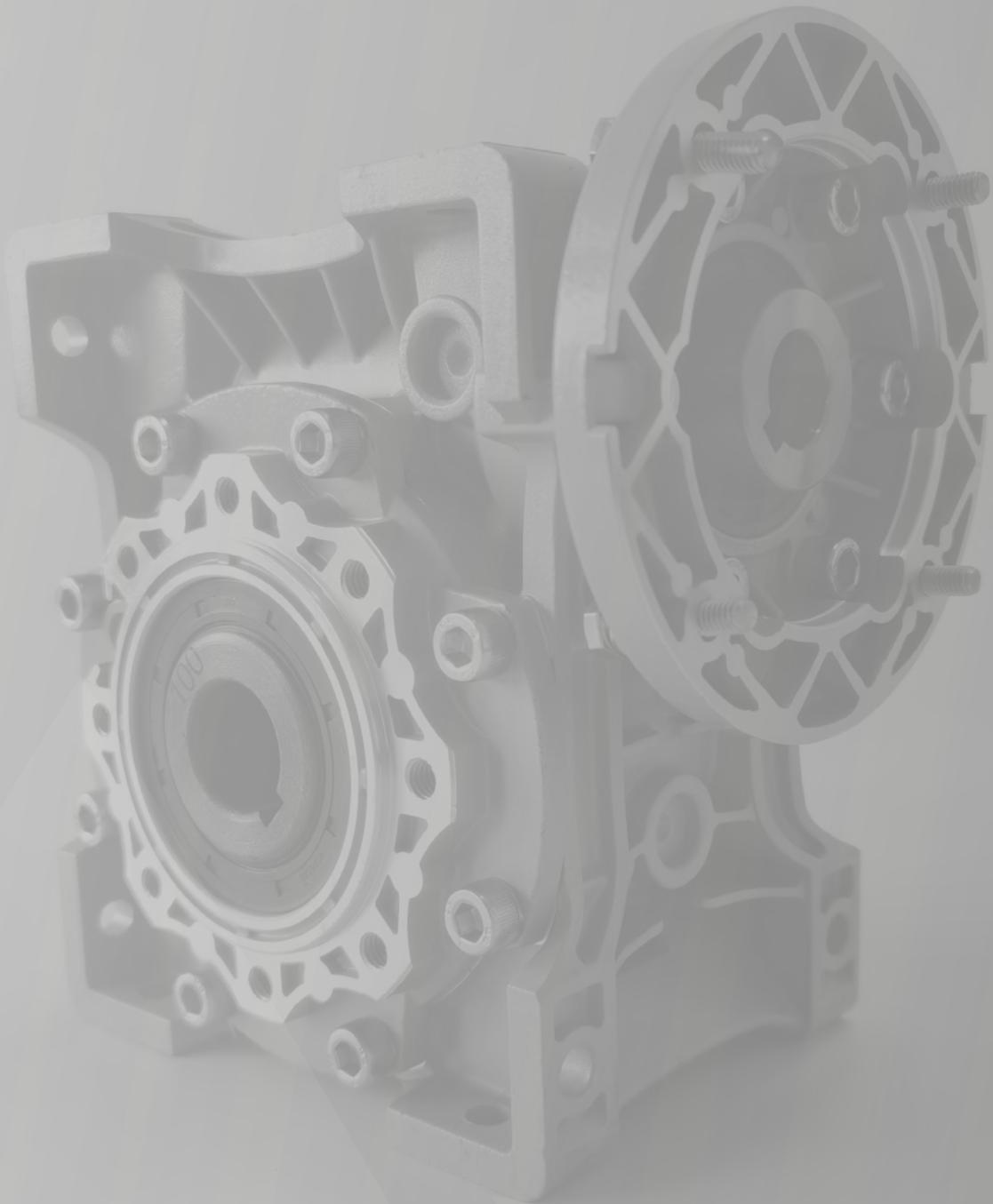


REDUCTORES SINFÍN/CORONA

■ *Worm Gearboxes*





CONTENIDO

01

Ejecuciones y características

01

- 1.1. Nomenclatura
- 1.2. Posición de montaje
- 1.3. Posición brida de salida y lubricación
- 1.4. Dentado y eficiencia
- 1.5. Prestaciones BWQ
- 1.6. Cargas sobre el eje

02

Reductores sinfín corona BWQ/BPQ

08

- 2.1. Selección
- 2.2. Dimensiones BWQ 025
- 2.3. Dimensiones BWQ/BPQ 030-090
- 2.4. Dimensiones BWQ 110-150

03

Accesorios

20

- 3.1. Eje libre de entrada
- 3.2. Eje de salida simple y doble
- 3.3. Brazo de reacción
- 3.4. Bridas de salida

04

Reductores combinados sinfín corona BWQ+BWQ

24

- 4.1. Tabla de selección del combinado
- 4.2. Dimensiones BWQ+BWQ combinado

05

Reductores sinfín corona y dimensiones de la prerreducción

29

- 5.1. Tabla de selección y dimensiones de la prerreducción
- 5.2. Dimensiones BWQ+BH

06

Variadores mecánicos BV

35

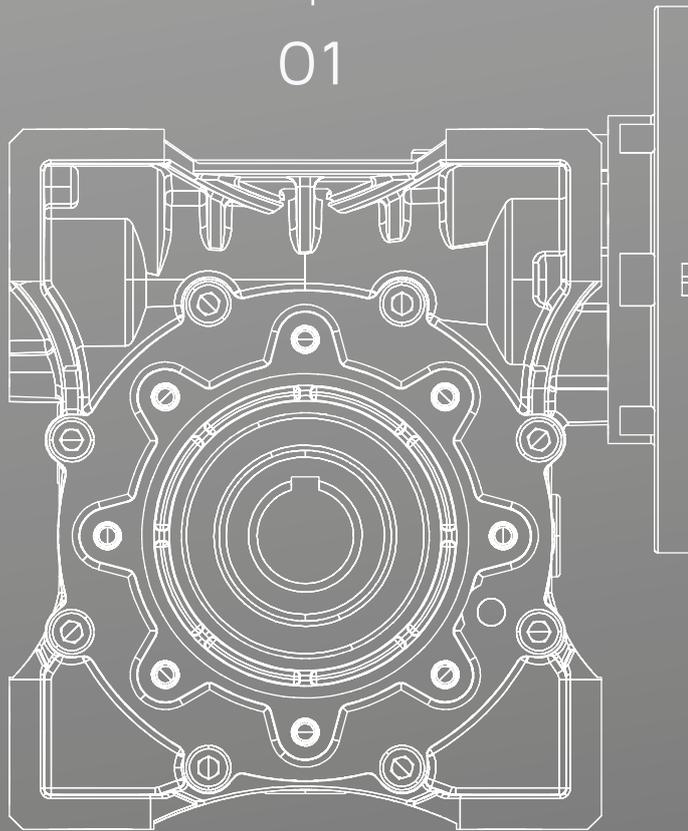
- 6.1. Selección motovariadores
- 6.2. Posición de montaje
- 6.3. Dimensiones
- 6.4. Dimensiones tipo B5

07

Motores eléctricos

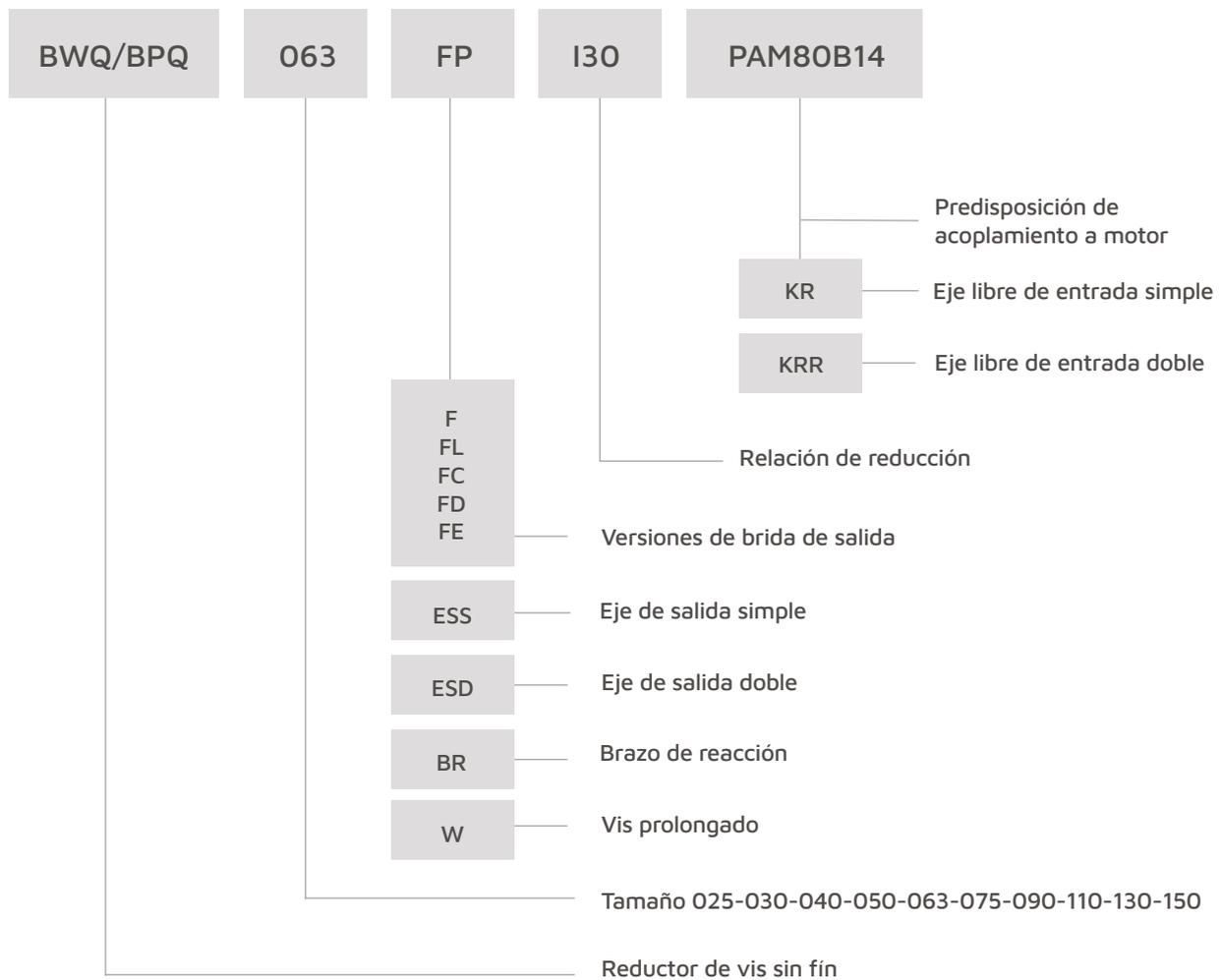
42

01



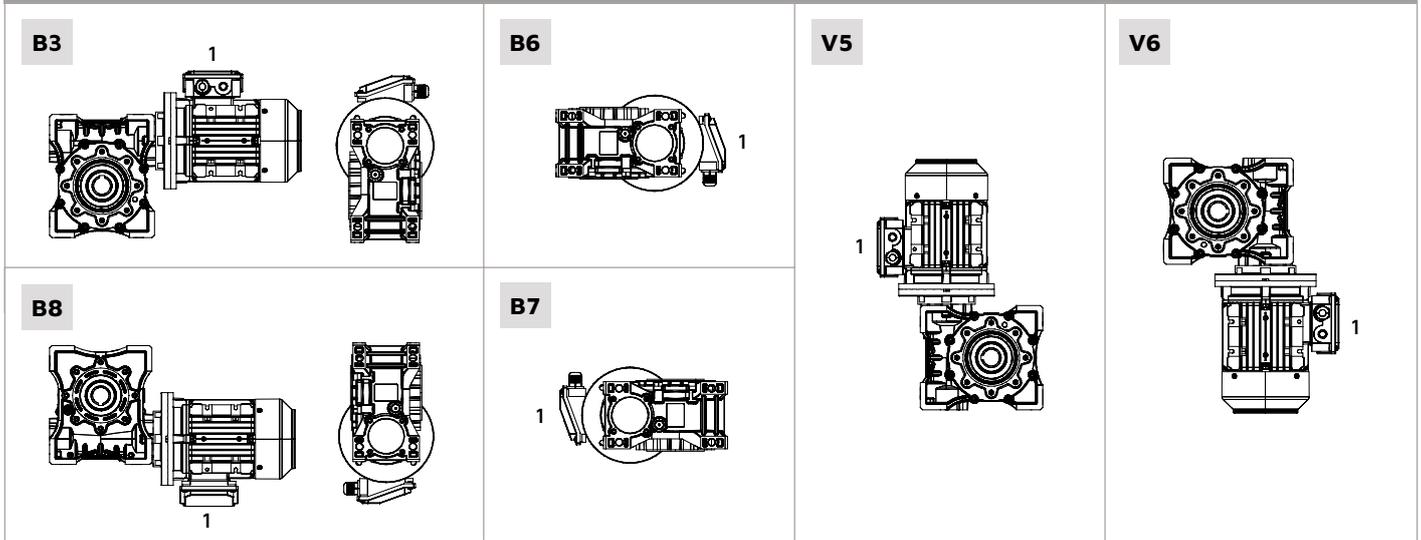
EJECUCIONES Y CARACTERÍSTICAS

1.1. NOMENCLATURA

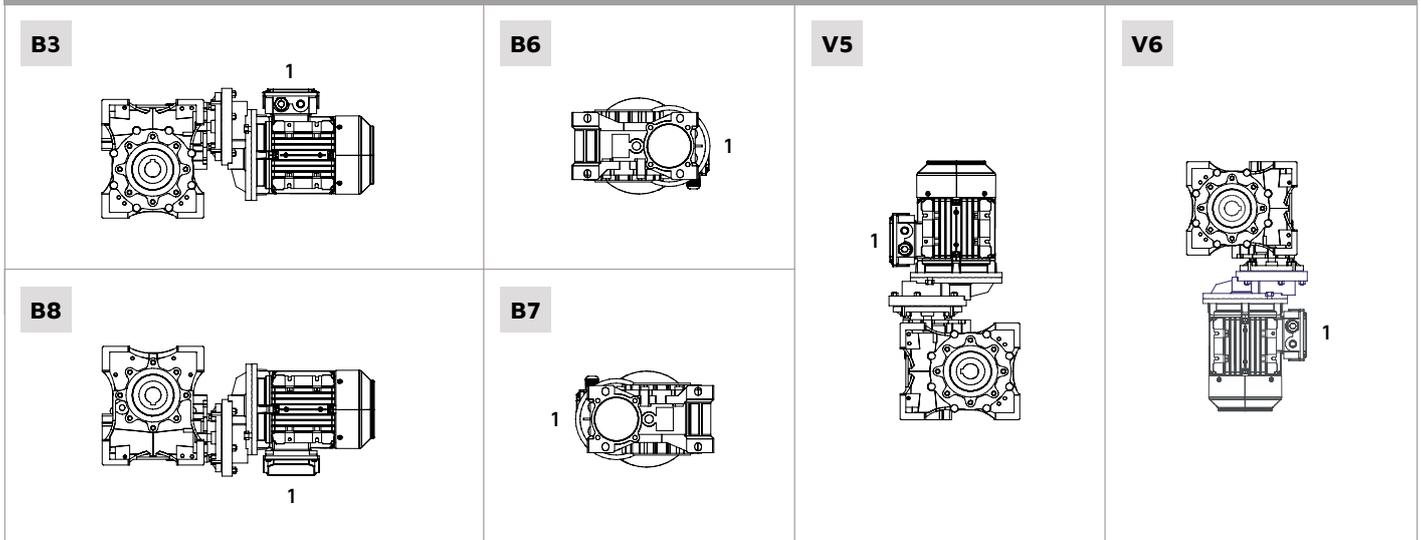


1.2. POSICIÓN DE MONTAJE

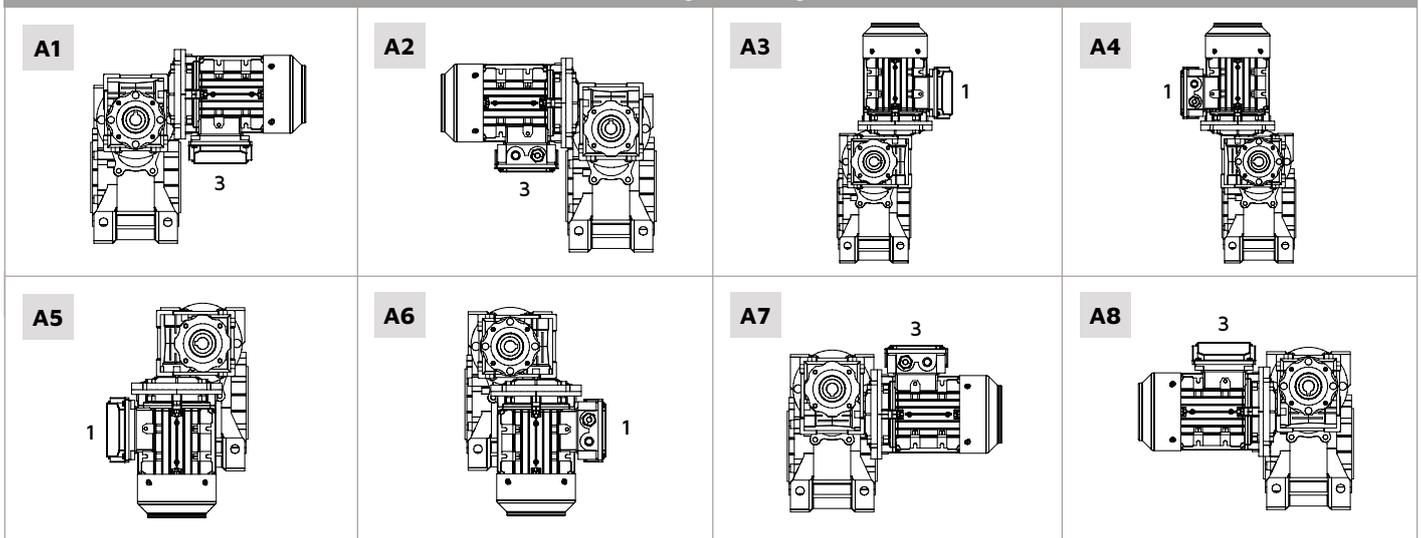
BWQ



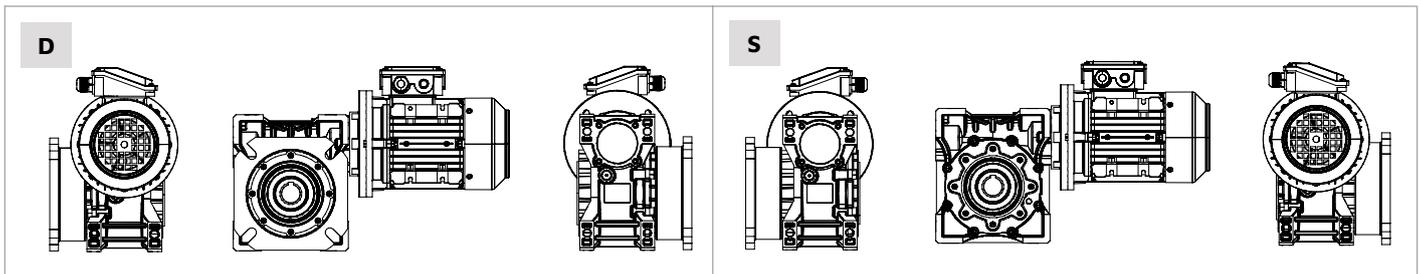
BWQ + BH



BWQ + BWQ

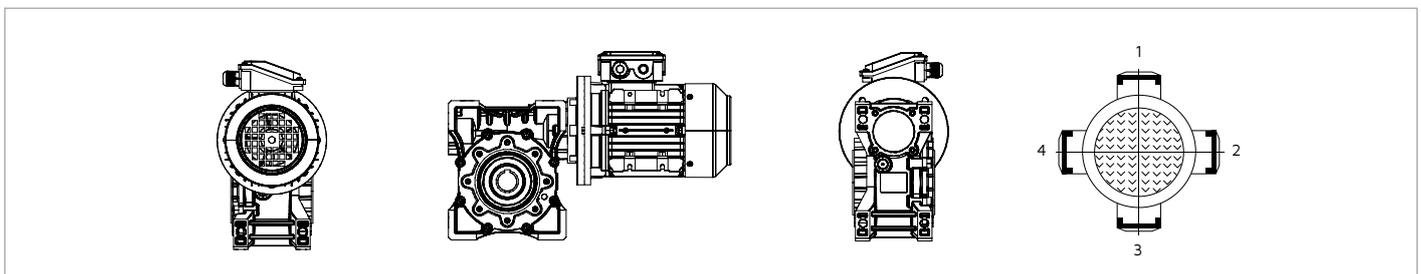


1.3. POSICIÓN BRIDA DE SALIDA Y LUBRICACIÓN



Si no se indica lo contrario, el reductor es entregado con brida en posición D en relación a posición B3.

Unless otherwise specified, gear reducers are supplied with flange in position D.



Si no se indica lo contrario, la caja de bornes del motor se monta en posición 1.

Unless otherwise specified, terminal box is supplied in position 1.

Selección de servicio estándar

Factor Mínimo 1.0

*Standard Selection Service
Minimum Factor 1.0*

BWQ PESO SIN MOTOR

BWQ WEIGHTS WITHOUT MOTOR

Tipo / Type (Kgs)

BWQ030	1.2
BWQ040	2.3
BWQ050	3.5
BWQ063	6.2
BWQ075	9.0
BWQ090	13
BWQ110	35
BWQ130	48
BWQ150	84

LUBRICACIÓN / LUBRICATION

Los reductores de los tamaños BWQ030, BWQ040, BWQ050, BWQ063, BWQ075 y BWQ090 son entregados con lubricante de por vida, es decir, aceite sintético VG320 y por lo tanto pueden ser montados en todas las posiciones de montaje previstas en el catálogo, a excepción de los tamaños BWQ075 y BWQ090 en la posición V5/V6 para lo cual es necesario ponerse en contacto con nuestro Servicio Técnico para evaluar las condiciones de empleo. Los reductores de los tamaños BWQ110-150 son entregados con aceite mineral JN320.

The reduction units size BWQ030. BWQ040. BWQ050. BWQ063. BWQ075 & BWQ090 are supplied complete with synthetic oil with VG320 and lubricated for life, They can, therefore, be mounted in any position. The only exceptions are size BWQ075 and BWQ090 in position V5/V6 for which you should call our Technical Department to assess the conditions of use. The reduction units size BWQ110-150 are supplied complete with JN320 mineral oil lubricant.

Cantidad de aceite en litros. / Quantity of oil in litres.

BWQ	030	040	050	063	075	090	110	130	150
B3	-	-	-	-	-	-	3	4.5	7
B8	0.04	0.08	0.15	0.03	0.55	1	2.2	3.3	5.1
B6-B7	-	-	-	-	-	-	2.5	3.5	5.4
V5/V6	-	-	-	-	-	-	3	4.5	7

1.4. DENTADO Y RENDIMIENTO

BWQ	i	5	7.5	10	15	20	25	30	40	50	60	80	100
025	Z1	-	4	3	2	2	-	1	1	1	1	-	-
	Y	-	25° 18'	19° 31'	13° 18'	10° 53'	-	6° 44'	5° 29'	4° 34'	3° 56'	-	-
	mx	-	1.3	1.3	1.3	1	-	1.3	1	0.8	0.67	-	-
	hd	-	0.84	0.82	0.78	0.74	-	0.66	0.61	0.57	0.54	-	-
	hs	-	0.7	0.67	0.6	0.55	-	0.46	0.41	0.36	0.34	-	-
030	Z1	6	4	3	2	2	1	1	1	1	1	1	-
	Y	27° 16'	18° 50'	14° 21'	9° 40'	10° 53'	5° 34'	4° 42'	3° 53'	3° 11'	2° 46'	2° 46'	-
	mx	1.44	1.44	1.44	1.44	1	1.7	1.44	1.1	0.88	0.75	0.56	-
	hd	0.86	0.84	0.81	0.76	0.74	0.67	0.64	0.58	0.54	0.5	0.44	-
	hs	0.68	0.66	0.62	0.54	0.55	0.43	0.39	0.35	0.31	0.27	0.23	-
040	Z1	6	4	4	2	2	2	1	1	1	1	1	1
	Y	33° 37'	21° 48'	17° 31'	11° 18'	8° 58'	7° 41'	5° 42'	4° 30'	3° 51'	3° 17'	2° 32'	2° 05'
	mx	2.07	2	1.5	2	1.5	1.25	2	1.5	1.25	1.04	0.78	0.63
	hd	0.87	0.86	0.85	0.81	0.77	0.74	0.69	0.64	0.61	0.57	0.51	0.47
	hs	0.70	0.69	0.65	0.58	0.53	0.5	0.44	0.4	0.36	0.32	0.28	0.24
050	Z1	6	4	4	2	2	2	1	1	1	1	1	1
	Y	33° 3'	21° 48'	17° 42'	11° 18'	9° 04'	7° 36'	5° 42'	4° 32'	3° 49'	3° 17'	2° 33'	2° 04'
	mx	2.56	2.5	1.9	2	1.9	1.54	2.5	1.9	1.54	1.3	0.98	0.78
	hd	0.87	0.86	0.84	0.81	0.77	0.74	0.7	0.65	0.61	0.57	0.51	0.49
	hs	0.70	0.69	0.65	0.58	0.54	0.5	0.44	0.39	0.35	0.32	0.27	0.23
063	Z1	-	4	4	2	2	2	1	1	1	1	1	1
	Y	-	24° 31'	20° 19'	12° 50'	10° 29'	8° 44'	6° 30'	5° 17'	4° 23'	3° 47'	2° 59'	2° 25'
	mx	-	3.25	2.5	3.25	2.5	2	3.25	2.5	2	1.68	1.28	1.02
	hd	-	0.87	0.86	0.82	0.8	0.77	0.73	0.69	0.65	0.61	0.56	0.5
	hs	-	0.7	0.65	0.59	0.54	0.5	0.45	0.4	0.36	0.33	0.28	0.24
075	Z1	-	4	4	2	2	2	1	1	1	1	1	1
	Y	-	26° 33'	21° 48'	14° 02'	11° 18'	9° 37'	7° 07'	5° 42'	4° 23'	4° 05'	3° 15'	2° 40'
	mx	-	4	3	4	3	2.45	4	3	2	2	1.54	1.24
	hd	-	0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.65	0.64	0.59	0.54
	hs	-	0.7	0.67	0.6	0.57	0.52	0.46	0.45	0.36	0.35	0.29	0.26
090	Z1	-	4	4	2	2	2	1	1	1	1	1	1
	Y	-	28° 20'	23° 26'	15° 05'	12° 14'	10° 37'	7° 40'	6° 11'	5° 21'	4° 36'	3° 36'	2° 57'
	mx	-	4.8	3.6	4.8	3.6	3	4.8	3.6	3	2.5	1.88	1.5
	hd	-	0.89	0.88	0.85	0.83	0.81	0.77	0.74	0.71	0.68	0.62	0.58
	hs	-	0.72	0.69	0.63	0.59	0.55	0.49		0.41	0.38	0.32	0.28
110	Z1	-	4	4	2	2	2	1	1	1	1	1	1
	Y	-	28° 17'	27° 35'	15° 03'	14° 38'	12° 37'	7° 39'	7° 26'	6° 23'	5° 31'	4° 23'	3° 38'
	mx	-	5.89	4.6	5.89	4.6	3.75	5.89	4.6	3.75	3.12	2.36	1.9
	hd	-	0.89	0.88	0.85	0.84	0.83	0.78	0.77	0.74	0.71	0.66	0.62
	hs	-	0.71	0.68	0.62	0.61	0.58	0.48	0.48	0.44	0.41	0.36	0.32
130	Z1	-	4	4	2	2	2	1	1	1	1	1	1
	Y	-	28° 46'	26° 15'	15° 21'	13° 51'	11° 49'	7° 48'	7° 01'	5° 58'	5° 12'	4° 05'	3° 25'
	mx	-	7	5.4	7	5.4	4.37	7	5.4	4.37	3.68	2.75	2.24
	hd	-	0.9	0.88	0.86	0.85	0.83	0.79	0.77	0.74	0.71	0.67	0.63
	hs	-	0.71	0.68	0.62	0.6	0.57	0.49	0.46	0.43	0.39	0.34	0.3
150	Z1	-	6	4	3	2	2	1	1	1	1	1	1
	Y	-	32° 09'	24° 35'	17° 27'	12° 53'	11° 19'	9° 50'	6° 32'	5° 43'	4° 57'	3° 55'	3° 14'
	mx	-	5.5	6.155	5.58	6.155	5	4.193	6.155	5	4.193	3.17	2.55
	hd	-	0.91	0.9	0.88	0.86	0.84	0.83	0.78	0.76	0.73	0.68	0.64
	hs	-	0.73	0.71	0.66	0.6	0.57	0.54	0.45	0.42	0.39	0.33	0.29

hd IRREVERSIBILIDAD DINAMICA

<0.6	Reversibilidad dinámica
0.5 + 0.6	Reversibilidad dinámica incierta
0.4 + 0.5	Irreversibilidad dinámica adecuada
<0.4	Irreversibilidad dinámica

hs IRREVERSIBILIDAD ESTÁTICA

<0.55	Reversibilidad estática
0.5 + 0.55	Reversibilidad estática incierta
<0.5	Irreversibilidad estática

Hélice con sentido derecha
The helix is right-handed.

Y = Ángulo de la hélice / Helix angle
mx = Módulo / Module

hd = Rendimiento diámico / Dynamic efficiency
hs = Rendimiento estático / Static efficiency

1.5. PRESTACIONES DE BWQ

i	n2	n1=2800									
			030	040	050	063	075	090	110	130	150
5	560	kw1	0.79	1.56	2.90	-	-	-	-	-	-
		M2	12	24	45	-	-	-	-	-	-
7.5	373	kw1	0.58	1.23	2.26	4.04	5.5 8	8.92	14.50	22.10	35.7
		M2	13	28	52	93	130	210	340	520	840
10	280	kw1	0.45	0.97	1.80	3.20	4.72	7.60	12.20	18.70	28.4
		M2	13	29	54	97	145	235	380	580	890
15	187	kw1	0.31	0.72	1.31	2.34	3.37	6	9.3	14.7	19.8
		M2	13	31	57	103	150	270	425	670	910
20	140	kw1	0.23	0.52	0.92	1.75	2.76	4.4	7	11	16.1
		M2	12	29	53	100	170	260	420	660	980
25	112	kw1	0.25	0.42	0.75	1.32	2.12	3.5	5.9	9	12
		M2	16	28	51	92	150	250	440	670	890
30	93	kw1	0.21	0.44	0.82	1.5	2.1	3.7	5.7	9	10.5
		M2	13	31	57	103	150	270	425	670	910
40	70	kw1	0.16	0.32	0.59	1.06	1.57	2.5	4.1	6.5	10.6
		M2	14	31	59	108	165	275	460	730	1200
50	56	kw1	0.12	0.26	0.45	0.83	1.2	2	3.3	5.1	8.1
		M2	13	30	53	100	150	265	450	700	1100
60	47	kw1	0.1	0.21	0.37	0.68	1	1.62	2.73	4	6.3
		M2	12	28	50	95	145	245	430	640	990
80	35	kw1	0.08	0.16	0.27	0.49	0.72	1.2	1.9	3	4.6
		M2	11	25	45	85	130	225	380	590	920
100	28	kw1		0.12	0.21	0.37	0.58	0.9	1.49	2.18	3.3
		M2		23	40	74	120	200	350	520	810

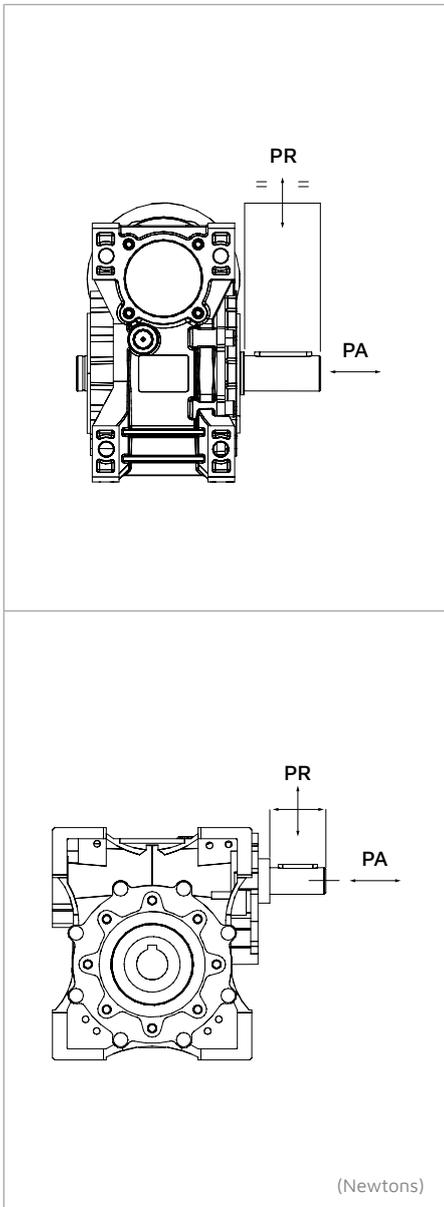
i	n2	n1=1400									
			030	040	050	063	075	090	110	130	150
5	280	kw1	0.64	1.19	2.24	-	-	-	-	-	-
		M2	19	36	65	-	-	-	-	-	-
7.5	187	kw1	0.41	0.9	1.58	2.84	4.1	6.3	10.4	16.1	25.8
		M2	18	40	71	128	185	290	480	750	1200
10	140	kw1	0.32	0.69	1.23	2.19	3.25	5.1	8.57	13.5	20.2
		M2	18	40	72	130	195	310	520	820	1240
15	93	kw1	0.23	0.48	0.88	1.65	2.3	4.1	6.5	10.3	13.9
		M2	18	40	74	140	200	360	570	920	1250
20	70	kw1	0.18	0.37	0.68	1.22	1.88	3.1	4.8	7.8	11.1
		M2	18	39	73	135	210	355	560	910	1300
25	56	kw1	0.18	0.3	0.54	0.98	1.47	2.43	4.1	6.5	8.4
		M2	21	38	70	130	200	340	590	930	1200
30	47	kw1	0.15	0.31	0.57	1.1	1.48	2.6	3.9	6.35	7.1
		M2	20	45	84	160	230	410	630	1040	1200
40	35	kw1	0.11	0.23	0.42	0.76	1.12	1.76	2.9	4.9	7.3
		M2	18	41	76	145	220	360	610	1050	1550
50	28	kw1	0.09	0.18	0.34	0.6	0.89	1.38	2.4	3.8	5.4
		M2	17	39	73	135	210	340	600	980	1400
60	23	kw1	0.08	0.15	0.28	0.51	0.75	1.13	1.9	3	4.2
		M2	16	36	68	130	200	320	560	900	1260
80	18	kw1	0.05	0.12	0.22	0.39	0.58	0.83	1.3	2.3	3.1
		M2	13	33	65	122	190	285	490	840	1150
100	14	kw1		0.09	0.16	0.34	0.48	0.67	1.1	1.7	2.3
		M2		29	55	118	180	270	460	740	1000

i	n2	n1=900									
			030	040	050	063	075	090	110	130	150
5	180	kw1	0.47	0.91	1.76	-	-	-	-	-	-
		M2	21	42	82	-	-	-	-	-	-
7.5	120	kw1	0.3	0.65	1.23	2.18	3.1	4.8	8	12.3	19.5
		M2	20	44	84	151	215	340	565	880	1400
10	90	kw1	0.24	0.5	0.94	1.7	2.52	4	6.6	10.3	15.7
		M2	20	44	84	153	230	370	620	960	1480
15	60	kw1	0.17	0.36	0.67	1.2	1.8	3.10	4.9	7.8	10.5
		M2	20	45	84	155	235	420	660	1060	1450
20	45	kw1	0.13	0.28	0.48	0.91	1.4	2.3	3.6	5.8	8.4
		M2	20	44	77	148	235	390	630	1040	1500
25	112	kw1	0.14	0.23	0.39	0.69	1.1	1.8	3.1	4.8	6.3
		M2	23	43	75	137	215	370	660	1050	1380
30	93	kw1	0.11	0.23	0.42	0.79	1.1	1.9	3	4.7	5.4
		M2	21	49	90	175	260	460	730	1170	1400
40	70	kw1	0.09	0.17	0.31	0.58	0.83	1.36	2.2	3.5	5.7
		M2	20	45	82	160	240	410	690	1100	1800
50	56	kw1	0.07	0.14	0.25	0.45	0.65	1.1	1.8	2.8	4.1
		M2	18	42	77	145	220	390	680	1050	1600
60	47	kw1	0.06	0.11	0.21	0.37	0.54	0.86	1.4	2.1	3.2
		M2	17	39	72	138	210	350	620	940	1440
80	35	kw1	0.04	0.09	0.16	0.29	0.43	0.63	1	1.6	2.4
		M2	15	35	68	128	200	315	540	860	1300
100	28	kw1		0.07	0.12	0.25	0.36	0.49	0.8	1.3	1.8
		M2		32	56	124	190	280	490	780	1150

i	n2	n1=500									
			030	040	050	063	075	090	110	130	150
5	100	kw1	0.31	0.63	1.23	-	-	-	-	-	-
		M2	25	52	101	-	-	-	-	-	-
7.5	120	kw1	0.21	0.45	0.86	1.51	2.14	3.3	5.50	8.6	13.5
		M2	24	54	103	184	260	410	690	1080	1700
10	90	kw1	0.16	0.4	0.67	1.18	1.7	2.7	4.6	7.1	10.7
		M2	24	54	103	185	270	435	740	1160	1780
15	60	kw1	0.12	0.26	0.47	0.85	1.2	2.1	3.4	5.5	7.2
		M2	24	55	103	187	280	490	790	1300	1730
20	45	kw1	0.13	0.28	0.48	0.91	1.4	2.3	3.6	5.8	8.4
		M2	20	44	77	148	235	390	630	1040	1500
25	36	kw1	0.1	0.15	0.28	0.48	0.73	1.23	2.1	3.2	4.3
		M2	29	49	91	164	255	440	790	1200	1630
30	30	kw1	0.08	0.16	0.29	0.54	0.77	1.4	2.1	3.4	3.8
		M2	26	58	108	200	300	550	870	1400	1670
40	23	kw1	0.06	0.12	0.22	0.4	0.58	1	1.5	2.4	3.9
		M2	23	53	98	185	280	480	810	1300	2120
50	18	kw1	0.05	0.1	0.17	0.32	0.44	0.75	1.3	1.9	2.9
		M2	21	49	91	173	250	450	800	1220	1870
60	15	kw1	0.04	0.08	0.14	0.26	0.37	0.6	1	1.5	2.3
		M2	19	46	83	160	240	400	710	1070	1680
80	11	kw1	0.03	0.06	0.11	0.19	0.29	0.5	0.7	1.1	1.7
		M2	17	40	75	137	215	365	60	970	1530
100	9	kw1		0.05	0.09	0.16	0.24	0.35	0.6	0.9	1.3
		M2		36	65	128	210	330	570	860	1350

A 2800 rpm la potencia indicada es mecánica. Para esta velocidad las relaciones entre 7.5 y 30 no deben utilizarse para trabajos continuos.
 Power values for input speed at 2800 are mechanical valves, in the case of ratios from 7.5 to 30, they must

1.6. CARGAS SOBRE EL EJE



TYPE	I	5:1	7.5:1	10:1	15:1	20:1	25:1	30:1	40:1	50:1	60:1	80:1	100:1
	n1 = 1400		186	140	94	70	56	47	35	28	23	18	14
BWQ 030	PR	515	590	680	750	860	940	1000	1000	1100	1200	1400	-
	PA	170	190	200	215	237	250	250	270	287	287	350	-
	Pr	150	150	150	160	160	190	210	210	210	210	210	-
	Pa	120	20	20	20	20	20	20	20	20	20	20	-
BWQ 040	PR	1149	1350	1450	1660	1850	1970	2100	2300	2500	2650	2900	3190
	PA	250	337	362	415	462	492	525	575	625	662	725	797
	Pr	380	380	380	380	380	380	380	380	380	380	380	380
	Pa	95	95	95	95	95	95	95	95	95	95	95	95
BWQ 050	PR	1577	1810	1930	2280	2505	2696	2865	3160	3400	3620	4000	4290
	PA	350	452	482	570	626	674	716	790	850	905	1000	1072
	Pr	485	485	485	485	485	485	485	485	485	485	485	485
	Pa	121	121	121	121	121	121	121	121	121	121	121	121
BWQ 063	PR	-	2365	2600	2980	3285	3540	3760	4150	4460	4730	5200	5600
	PA	-	591	650	745	821	885	940	1037	1115	1182	1300	1400
	Pr	-	580	580	580	580	580	580	580	580	580	580	580
	Pa	-	145	145	145	145	145	145	145	145	145	145	145
BWQ 075	PR	-	2800	3100	3520	3900	4170	4450	4890	5260	5580	6150	6630
	PA	-	700	775	880	975	1042	1112	1222	1315	1395	1537	1657
	Pr	-	650	650	650	650	650	650	650	650	650	650	650
	Pa	-	163	163	163	163	163	163	163	163	163	163	163
BWQ 090	PR	-	3085	3400	3850	4300	4650	4900	5450	5850	6200	6820	7340
	PA	-	771	850	962	1075	1162	1225	1362	1462	1550	1705	1835
	Pr	-	850	186	186	186	186	186	186	186	186	186	186
	Pa	-		213	213	213	213	213	213	213	213	213	213
BWQ 110	PR	-	3900	4310	4950	5450	5880	6210	6830	7350	7795	8600	9300
	PA	-	975	1077	1237	1362	1470	1552	1707	1837	1948	2150	2325
	Pr	-	950	950	950	950	950	950	950	950	950	950	950
	Pa	-	238	238	238	238	238	238	238	238	238	238	238
BWQ 130	PR	-	5000	5600	6400	7000	7500	8000	8700	9500	10000	11000	12000
	PA	-	1225	1263	1400	1483	1713	1975	2200	2525	2525	2900	2900
	Pr	-	1500	1800	2000	2100	2100	2100	2100	2100	2100	2100	2100
	Pa	-	238	238	238	238	238	238	238	238	238	238	238
BWQ 150	PR	-	6962	7663	8871	9654	10400	11051	12163	13103	13924	16508	-
	PA	-	1450	1472	1605	1690	1912	2143	2300	2510	2700	3000	-
	Pr	-	1950	2267	2285	2674	2800	2800	2800	2800	2800	2800	-
	Pa	-	340	340	340	340	340	340	340	340	340	340	-

CARGAS RADIALES Y AXIALES / RADIAL & AXIAL SHAFT LOADS

Las cifras indicadas en la tabla, corresponden a las cargas radiales y axiales a potencia máxima. Para cargas radiales y axiales combinadas rogamos consulte con nuestro departamento técnico. A bajas potencias, las cargas se pueden incrementar. Para poder obtener cifras exactas a una velocidad y potencia determinadas, rogamos consulten con nuestro departamento técnico.

The figures in the table indicatge the permissible radial and axial loads at maximun power. For combined radial and axial loads, please contact our technical department. At lower powers the loads may be increased - for precise loading figures for each actual power and speed, please contact our echnical department.

CARCASA BWQ030 - BWQ090 / GEARCASE BWQ030 - BWQ090

Las carcasas y bridas se fabrican con aluminio de alta resistencia UNI 5076.

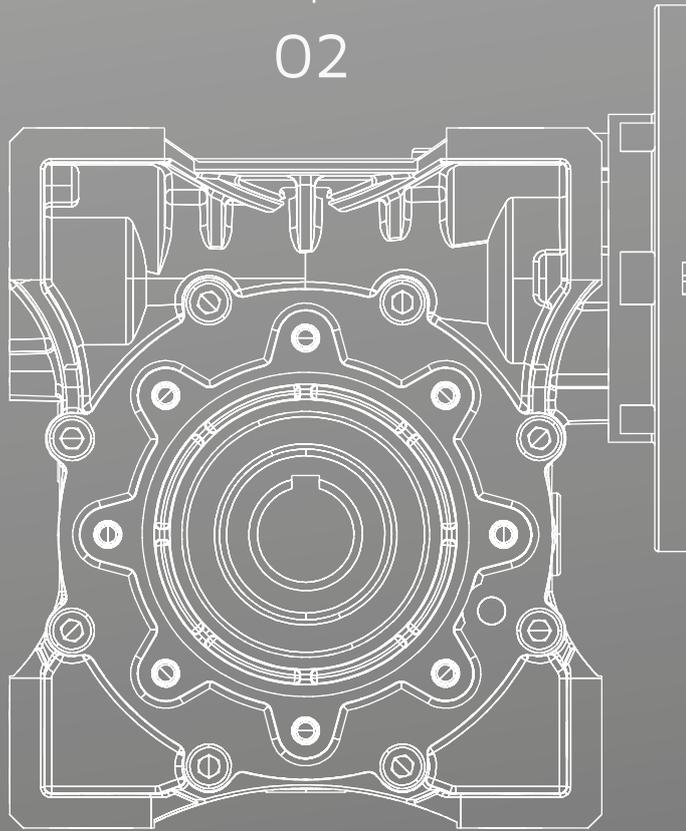
The casing and flanges are made in high strength UNI 5076 aluminium.

CARCASA BWQ110 - BWQ150 / GEARCASE BWQ110 - BWQ150

Las carcasas y bridas están fabricadas en función de hierro G25.

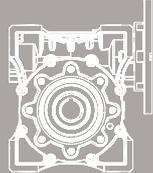
The casing and flanges are made in G25 cast iron.

02



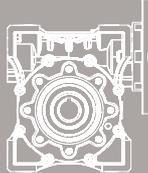
REDUCTORES SIN FÍN
CORONA
BWQ/BPQ

2.1. SELECCIÓN

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
0.06	186.7	2.6	7.5	503	4.2	BWQ025	T56-1
	140	3.4	10	553	3.5		
	93.3	4.9	15	633	2.5		
	70	6.1	20	697	2.0		
	56	8	25	774	1.8		
	46.7	8.2	30	798	1.6		
	35	10	40	878	1.3		
	28	12	50	946	0.9		
	23.3	14	60	1006	0.7	BWQ030	T56-1
	280	3.3	5	614	6.2		
	186.7	2.6	7.5	683	6.5		
	140	3.4	10	752	5.4		
	93.3	4.7	15	861	3.8		
	70	6	20	948	3.0		
	56	7	25	1021	3.0		
	46.7	8	30	1085	2.5		
35	9.7	40	1194	1.9	BWQ025	T56-2	
28	11	50	1286	1.5			
23.3	13	60	1367	1.3			
17.5	14	80	1504	0.9			
186.7	3.9	7.5	503	2.8			
140	5.1	10	553	2.4			
93.3	7.3	15	633	1.6			
56	5.7	25	614	1.1			
70	9.2	20	697	1.3			
46.7	12	30	798	1.1			
35	15	40	878	0.9			
280	2.83	5	614	4.3		BWQ030	T56-2
186.7	3.9	7.5	683	4.6			
140	5	10	752	3.6			
70	9	20	948	2.0			
56	10	25	1021	2.0			
46.7	12	30	1085	1.7			
35	14	40	1194	1.2			
28	17	50	1286	1.0			
23.3	19	60	1367	0.9	BWQ040	T56-2	
28	19	50	2475	2.0			
23.3	21	60	2630	1.7			
17.5	26	80	2895	1.3			
	14	29	100	3118	1.0		

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

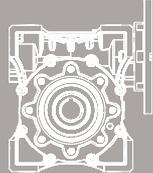
**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
0.12	280	3.8	5	614	4.3	BWQ030	T63-1
	186.7	5.2	7.5	683	3.4		
	140	6.7	10	752	2.7		
	93.3	9.5	15	861	1.9		
	70	12	20	948	1.5		
	56	14	25	1021	1.5		
	46.7	16	30	1085	1.3		
	35	19	40	1194	0.9		
	28	23	50	1286	0.8		
	46.7	17	30	2087	2.6	BWQ040	T63-1
	35	21	40	2298	1.9		
	28	25	50	2475	1.5		
	23.3	28	60	2630	1.3		
	17.5	34	80	2895	1.0		
	14	38	100	3118	0.8		
	23.3	29	60	3610	2.3	BWQ050	T63-1
	17.5	35	80	3973	1.9		
	14	40	100	4280	1.4		
0.18	280	5.7	5	614	4.3	BWQ030	T63-2
	186.7	7.8	7.5	683	2.3		
	140	10	10	752	1.8		
	93.3	14	15	861	1.3		
	70	18	20	948	1.0		
	56	21	25	1021	1.0	BWQ030	T63-2
	46.7	24	30	1085	0.8		
	70	19	20	1824	2.0	BWQ040	T63-2
	46.7	26	30	2087	1.7		
	35	32	40	2298	1.3		
	28	38	50	2475	1.0		
	23.3	43	60	2630	0.8		
	35	33	40	3153	2.3		
	28	39	50	3397	1.9	BWQ050	T63-2
	23.3	43	60	3610	1.6		
	17.5	52	80	3973	1.2		
	14	60	100	4280	0.9		

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

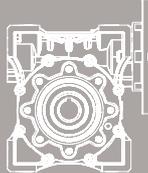
**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

2.1. SELECCIÓN

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
0.25	280	8	5	1183	4.6	BWQ040	T71-1
	186.7	11	7.5	1315	3.6		
	140	14	10	1447	2.8		
	93.3	21	15	1657	1.9		
	70	27	20	1824	1.5		
	56	32	25	1964	1.2		
	46.7	36	30	2087	1.3		
	35	44	40	2298	0.9		
	70	27	20	2503	2.7		
	56	32	25	2696	2.2		
	46.7	37	30	2865	2.3		
	35	46	40	3153	1.7		
	28	54	50	3397	1.4		
	23.3	60	60	3610	1.1		
	17.5	72	80	3973	0.9	BWQ063	T71-1
	28	56	50	4440	2.4		
	23.3	63	60	4719	2.0		
	17.5	78	80	5193	1.6		
14	87	100	5595	1.4	BWQ075	T71-1	
17.5	82	80	6130	2.3			
14	94	100	6603	1.9			
0.37	280	12	5	1195	3.6	BWQ040	T71-2
	186.7	16	7.5	1315	2.4		
	140	21	10	1447	1.9		
	93.3	31	15	1657	1.3		
	70	39	20	1824	1.0		
	56	47	25	1964	0.8		
	46.7	53	30	2087	0.8	BWQ050	T71-2
	140	22	10	1987	3.3		
	93.3	31	15	2274	2.4		
	70	40	20	2503	1.8		
	56	48	25	2696	1.5		
	46.7	55	30	2865	1.5		
	35	68	40	3153	1.1		
	28	80	50	3397	0.9		
	23.3	89	60	3610	0.8		

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

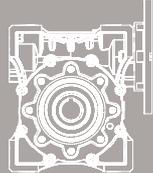
**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
0.37	35	71	40	4122	2.1	BWQ063	T71-2
	28	83	50	4440	1.6		
	23.3	94	60	4719	1.4		
	17.5	115	80	5193	1.1		
	14	129	100	5595	0.9	BWQ075	T71-2
	23.3	98	60	5569	2.0		
	17.5	121	80	6130	1.6		
14	139	100	6603	1.3			
0.55	280	17	5	1625	3.8	BWQ050	T80-1
	186.7	25	7.5	1805	2.9		
	140	32	10	1987	2.2		
	93.3	46	15	2274	1.6		
	70	59	20	2503	1.2		
	56	71	25	2696	1.0		
	46.7	81	30	2865	1.0		
	70	61	20	3272	2.2		
	56	73	25	3524	1.8		
	46.7	83	30	3745	1.9		
	35	105	40	4122	1.4		
	28	124	50	4440	1.1	BWQ075	T80-1
	23.3	140	60	4719	0.9		
	35	108	40	4865	2.0		
	28	129	50	5241	1.6		
	23.3	146	60	5569	1.4		
	17.5	180	80	6130	1.1		
	14	206	100	6603	0.9		
	17.5	189	80	6783	1.5		
	14	221	100	7306	1.2	BWQ110	T80-1
17.5	201	80	8571	2.6			
14	236	100	9232	2.0			
0.75	186.7	34	7.5	1805	2.1	BWQ050	T80-2
	140	44	10	1987	1.6		
	93.3	63	15	2274	1.2		
	70	81	20	2503	0.9		

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

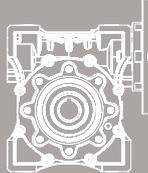
**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

2.1. SELECCIÓN

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
0.75	93.3	64	15	2973	2.2	BWQ063	T80-2
	70	83	20	3272	1.6		
	56	100	25	3524	1.3		
	46.7	114	30	3745	1.4		
	35	143	40	4122	10		
	56	102	25	4160	2.0	BWQ075	T80-2
	46.7	117	30	4421	2.0		
	35	147	40	4865	1.5		
	28	177	50	5241	1.2		
	23.3	200	60	5569	10		
	28	184	50	5799	1.8	BWQ090	T80-2
	23.3	212	60	6163	1.5		
	17.5	258	80	6783	1.1		
	14	302	100	7306	0.9		
	17.5	274	80	8571	1.9		
14	322	100	9232	1.5	BWQ110	T80-2	
1.1	186.7	50	7.5	2359	2.6	BWQ063	T90-1
	140	65	10	2597	2.0		
	93.3	93	15	2973	1.5		
	70	122	20	3272	1.1		
	56	146	25	3524	0.9		
	46.7	167	30	3745	1.0		
	93.3	96	15	3509	2.1	BWQ075	T90-1
	70	123	20	3862	1.7		
	56	150	25	4160	1.3		
	46.7	171	30	4421	1.3		
	35	216	40	4865	1.0		
	35	225	40	5383	1.6	BWQ090	T90-1
	28	270	50	5799	1.3		
	23.3	311	60	6163	1.0		
	28	281	50	7328	2.3		
	23.3	324	60	7787	1.9	BWQ110	T90-1
	17.5	402	80	8571	1.3		
	14	473	100	9232	1.0		
	17.5	408	80	11210	2.1		
14	480	100	12076	1.5			
						BWQ130	T90-1

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

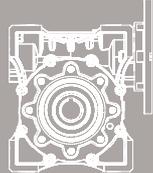
**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
1.5	186.7	68	7.5	2359	1.9	BWQ063	T90-2
	140	89	10	2597	1.5		
	93.3	127	15	2973	1.1		
	70	166	20	3272	0.8		
	140	90	10	3065	2.2	BWQ075	T90-2
	93.3	130	15	3509	1.5		
	70	168	20	3862	1.3		
	56	205	25	4160	1.0		
	46.7	233	30	4421	1.0	BWQ090	T90-2
	70	172	20	4273	2.1		
	56	210	25	4603	1.6		
	46.7	239	30	4891	1.7		
	35	307	40	5383	1.2	BWQ110	T90-2
	28	368	50	5799	0.9		
	23.3	424	60	6163	0.8		
	35	319	40	6803	2.2		
	28	384	50	7328	1.7	BWQ130	T90-2
	23.3	442	60	7787	1.4		
	17.5	548	80	8571	0.9		
	17.5	557	80	11210	1.5		
14	655	100	12076	1.1			
2.2	186.7	100	7.5	2785	1.8	BWQ075	T100-1
	140	132	10	3065	1.5		
	93.3	191	15	3509	1.0		
	186.7	101	7.5	3081	2.9	BWQ090	T100-1
	140	134	10	3391	2.3		
	93.3	194	15	3882	1.9		
	70	252	20	4273	1.4		
	56	308	25	4603	1.1	BWQ110	T100-1
	46.7	351	30	4891	1.2		
	70	255	20	5399	2.5		
	56	315	25	5816	2.2		
	46.7	356	30	6181	2.0	BWQ110	T100-1
	35	468	40	6803	1.5		
	28	563	50	7328	1.2		
	23.3	648	60	7787	1.0		

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

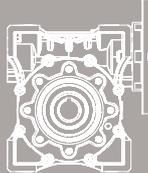
**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

2.1. SELECCIÓN

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
2.2	35	468	40	8897	2.2	BWQ130	T100-2
	28	563	50	9584	1.7		
	23.3	648	60	10185	1.4		
	17.5	816	80	11210	1.0		
	28	562	50	13103	2.5	BWQ150	T100-2
	23.3	648	60	13929	1.9		
	17.5	806	80	15325	1.4		
	14	949	100	16508	1.0		
3	186.7	137	7.5	2785	1.4	BWQ075	T100-2
	140	180	10	3065	1.1		
	93.3	261	15	3509	0.8		
	186.7	138	7.5	3081	2.1	BWQ090	T100-2
	140	182	10	3391	1.7		
	93.3	264	15	3882	1.4		
	70	344	20	4273	1.0		
	56	420	25	4603	0.8		
	46.7	479	30	4891	0.9		
	93.3	264	15	4905	2.5		
	70	348	20	5399	1.9	BWQ110	T100-2
	56	430	25	5816	1.6		
	46.7	485	30	6181	1.5		
	35	638	40	6803	1.1		
	28	767	50	7328	0.9		
	56	430	25	7607	2.2	BWQ130	T100-2
	46.7	491	30	8084	2.1		
	35	638	40	8897	1.6		
	28	767	50	9584	1.3		
	23.3	884	60	10185	1.0		
17.5	1113	80	11210	0.8			
28	761	50	13103	1.8	BWQ150	T100-2	
23.3	877	60	13924	1.4			
17.5	1091	80	15325	1.1			
186.7	182	7.5	2785	1.0			BWQ075
140	240	10	3065	0.8			
186.7	184	7.5	3081	1.6	BWQ090	T112-1	
140	243	10	3391	1.3			
93.3	352	15	3882	1.0			
70	458	20	4273	0.8			
56	573	25	7607	1.6	BWQ130	T112-1	
46.7	655	30	8084	1.6			
35	851	40	8897	1.2			
28	1023	50	9584	1.0			
23.3	1179	60	10185	0.8			

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

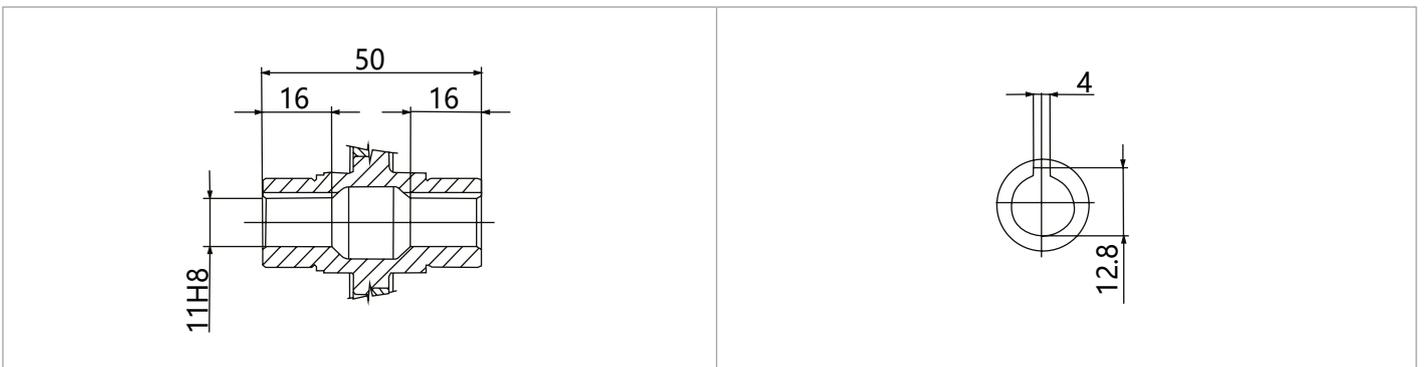
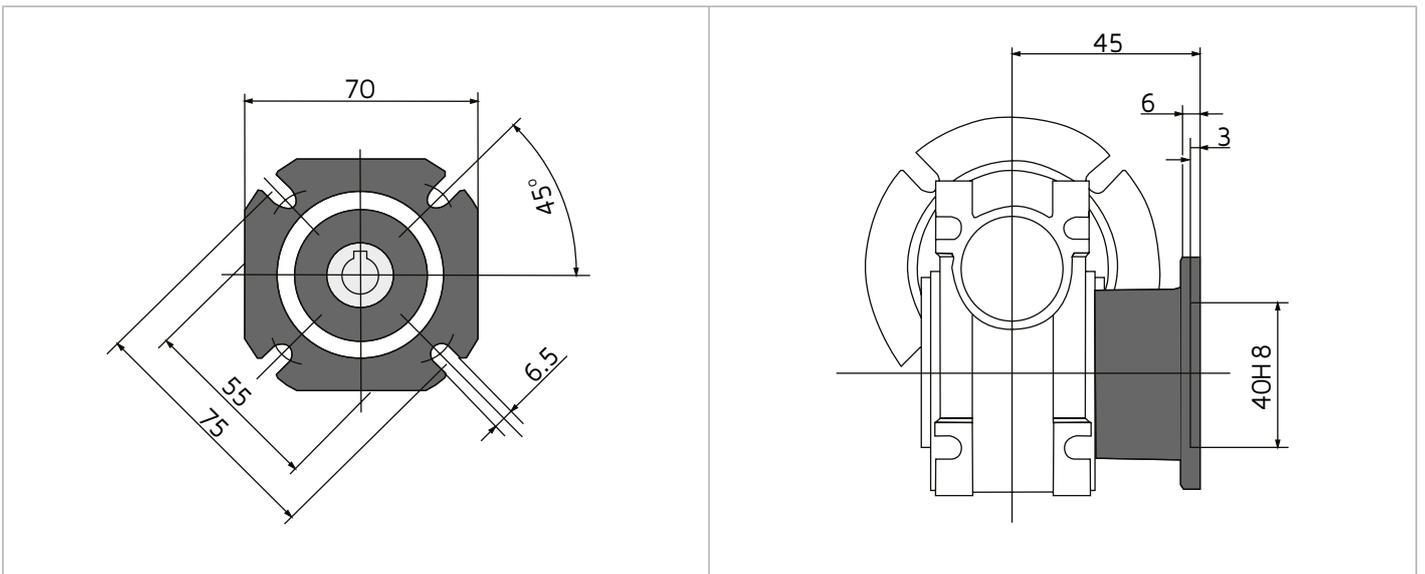
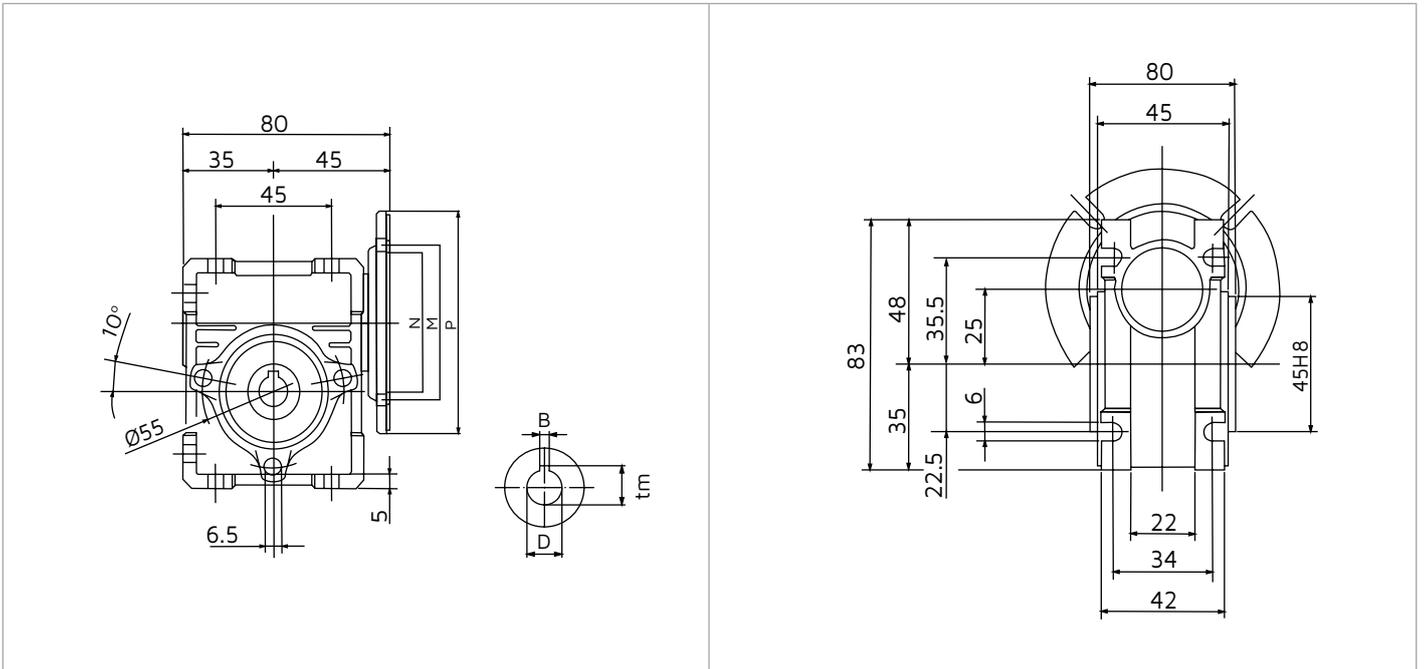
**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

P1 (Kw)	n2 (1/min)	M2 (Nm)	i (**)	Fr (N)	f.s.		n1= 1400 (*)
4	28	1014	50	13103	1.4	BWQ150	T132-1
	23.3	1170	60	13924	1.1		
5.5	186.7	253	7.5	3893	2.2	BWQ110	T132-1
	140	334	10	4285	1.8		
	93.3	484	15	4905	1.4		
	70	638	20	5399	1.0		
	140	334	10	5605	2.5	BWQ130	T132-1
	93.3	490	15	6416	1.9		
	70	645	20	7062	1.4		
	56	788	25	7607	1.2		
	46.7	900	30	8084	1.2		
	35	1171	40	8897	0.9		
	70	622	20	9654	2.1	BWQ150	T132-1
	56	760	25	10400	1.6		
	46.7	901	30	11051	1.3		
	35	1129	40	12163	1.4		
28	1376	50	13103	1.0			
7.5	186.7	345	7.5	3893	1.6	BWQ110	T132-2
	140	455	10	4285	1.3		
	93.3	660	15	4905	1.0		
	186.7	349	7.5	5092	2.1	BWQ130	T132-2
	140	455	10	5605	1.8		
	93.3	668	15	6416	1.4		
	70.0	880	20	7062	1.0		
	56	1074	25	7607	0.9		
	46.7	1228	30	8084	0.8		
	35	1596	40	8897	0.7	BWQ150	T132-2
	70	854	20	9654	1.5		
	56	1043	25	10400	1.1		
	46.7	1237	30	11051	1.0		
	35	1550	40	12163	1.0		
11	186.7	486	7.5	6962	2.5	BWQ150	T160-3
	140	641	10	7663	1.9		
	93.3	940	15	8771	1.3		
	70	1239	20	9654	1.0		
15	186.7	663	7.5	6962	1.8	BWQ150	T160-3
	140	874	10	7663	1.4		
	98	1282	15	8771	1.0		

*En caso de selección con entrada distinta a n1=1400, consultar página 6.

**En caso de selección con relación superior a 100, consultar páginas 25 ó 30.

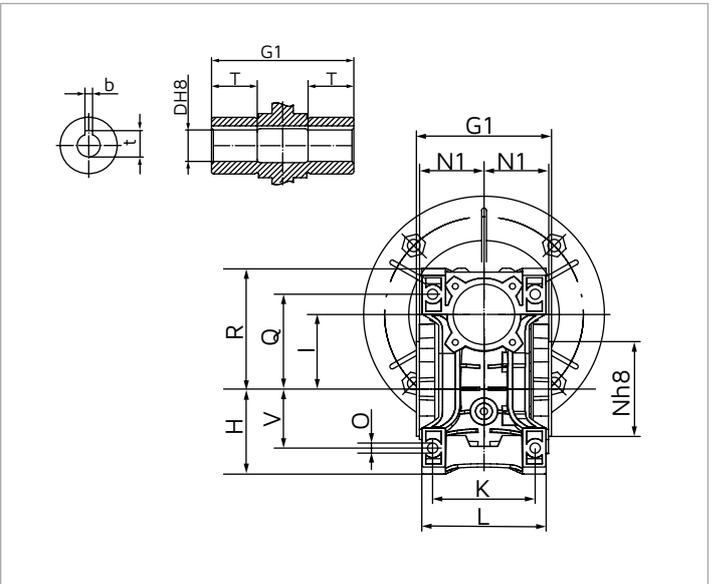
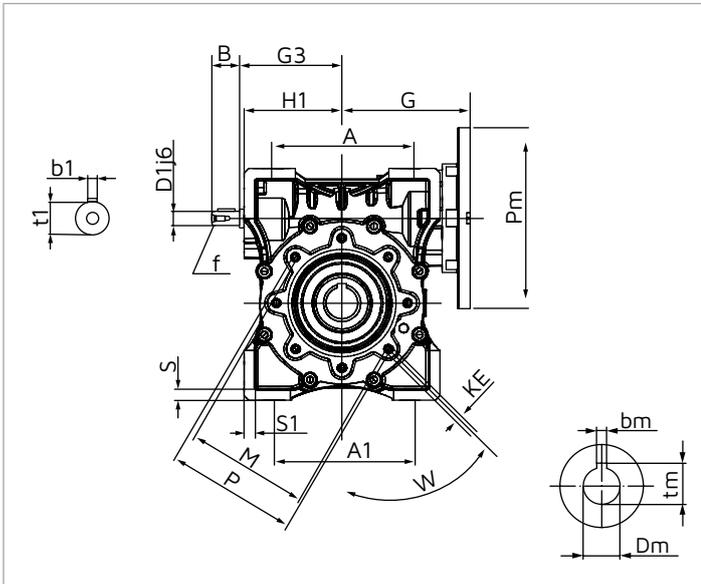
2.2. DIMENSIONES BWQ025



IEC	P	M	N	D	B	tm
56B5/B14	120/80	100/65	80/50	9	3	10.4

Peso sin motor: 0.7 kg
Cantidad de aceite: 0.02 L

2.3. DIMENSIONES BWQ/BPQ 030-090



	030	040	050	063	075	090
A1	54	70	80	100	120	140
B	20	23	30	40	50	50
D1J6	9	11	14	19	24	24
G	55	70	80	95	114	130
G1	63	78	92	112	120	140
G3	45	53	64	75	90	108
H	40	50	60	72	86	103
H1	40	50	60	72	86	103
I	30	40	50	63	75	90
K	44	60	70	85	90	100
KE	M6*11	M6*11	M8*10	M8*14	M8*14	M10*18
L	56	71	85	103	113	140
M	65	75	85	95	115	130
N	55	60	70	80	95	110
N1	29	36.5	43.5	53	57	67
O	6.5	6.5	8.5	8.5	11	13
P	75	87	100	110	131	160
Q	44	55	64	80	93	102
R	57	71.5	84	105	120	136
S	5.5	6.5	7	8	10	11
S1	5.5	6.5	7	8	10	11
V	27	35	40	50	60	70
W	0	45	45	45	45	45
b1	3	4	5	6	8	8
t1	10.2	12.5	16	21.5	27	27
f1	-	-	M6	M6	M8	M8

	B5	Pm	Dm	bm	tm
063		140	11	4	12.8
071		160	14	5	16.3
080		200	19	6	21.8
090		200	24	8	27.3
100		250	28	8	31.3
112		250	28	8	31.3

	B14	Pm	Dm	bm	tm
056		80	09	3	10.4
063		90	11	4	12.8
071		105	14	5	16.3
080		120	19	6	21.8
090		140	24	8	27.3
100		160	28	8	31.3

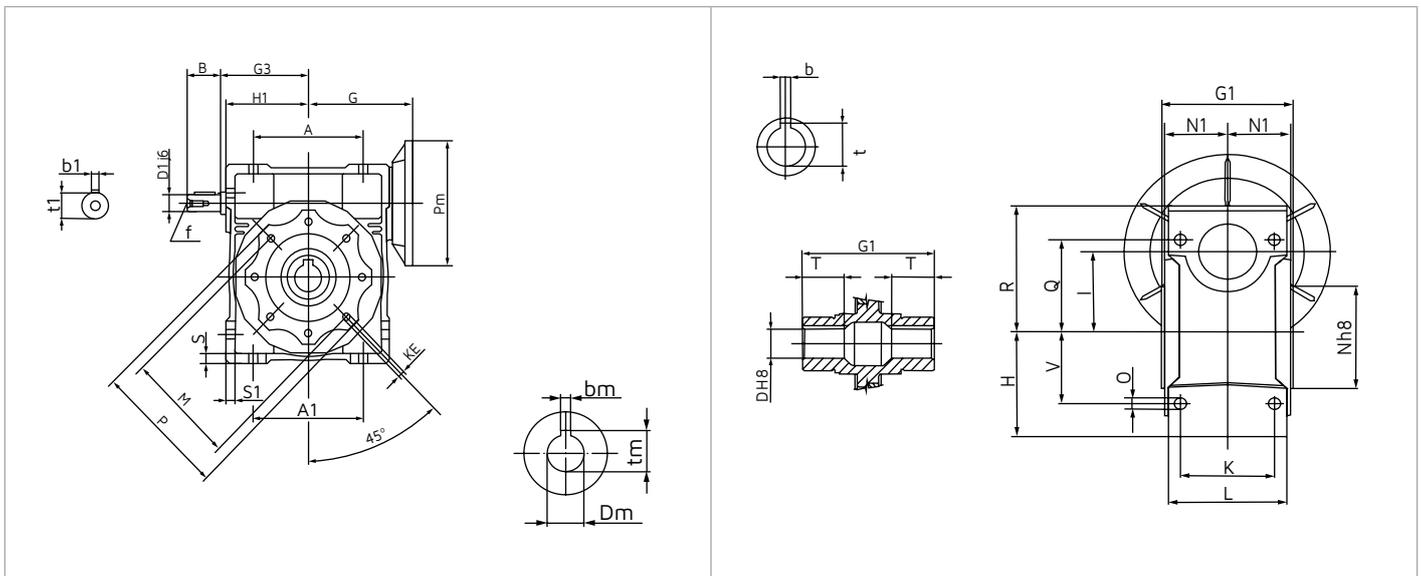
	DH8	b	t	T
BWQ 030	14	4	16	21
BWQ 040	18	6	20.8	26
BPQ 040	19	6	21.8	26
BWQ 050	25	8	28.3	30
BPQ 050	24	8	27.3	30
BWQ 063	25	8	28.3	36
BPQ 063	28	8	31.3	36
BWQ 075	28	8	31.3	40
BWQ 090	35	10	38.3	45

	030	040	050	063	075	090
PESO (kg)	1.2	2.3	3.5	6.2	9	13

*	030	040	050	063	075	090
B3.B8 B6-B7 V5-V6	0.04	0.08	0.15	0.3	0.55	1

*Cantidad de aceite (L) según posición de montaje

2.2. DIMENSIONES BWQ 110-150



	110	130	150
A	170	200	240
A1	170	200	240
B	60	80	80
D1J6	28	30	35
G	160	180	210
G1	155	170	200
G3	135	155	175
H	127.5	147.5	170
H1	127.5	147.5	170
I	110	130	150
K	115	120	145
KE	M10*18	M12*21	M12*21
L	144	155	185
M	165	215	215
N	130 h8	180	180
N1	74	81	96
O	14	16	18
P	200	250	250
Q	125	140	180
R	167.5	187.5	230
S	14.5	15.5	18
S1	14.5	15.5	18
V	85	100	120
W	45	45	45
b1	8	8	10
t1	31	33	38
f1	M10	M10	M12

	B5	Pm	Dm	bm	tm
80		200	19	6	21.8
90		200	24	8	27.3
100		250	28	8	31.3
112		250	28	8	31.3
132		300	38	10	41.3
160		350	42	12	45.3

	B14	Pm	Dm	bm	tm
80		120	19	6	21.8
90		140	24	8	27.3
100		160	28	8	31.3
112		160	28	8	31.3
132		200	38	10	41.3

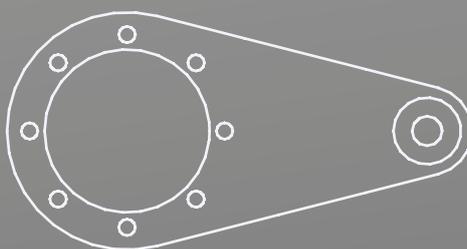
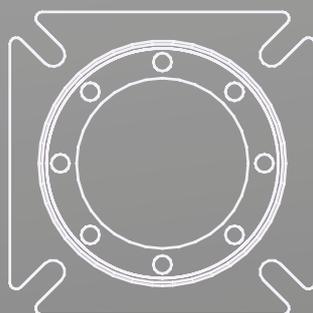
	DH8	b	t	T
110	42	12	45.3	50
130	45	14	48.8	60
150	50	14	53.8	72.5

	110	130	150
PESO (kg)	35	48	84

*	B3	B8	B6-B7	V5-V6
030	3	2.2	2.5	3
040	4.5	3.3	3.5	4.5
050	7	5.1	5.4	7

*Cantidad de aceite (L) según posición de montaje

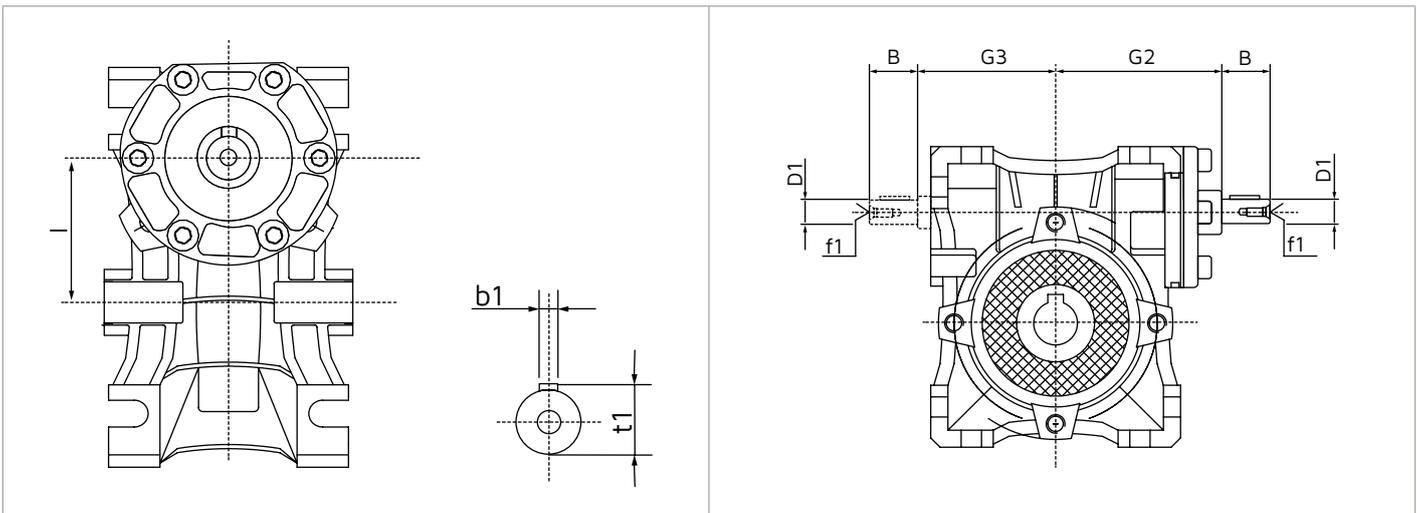
03



ACCESORIOS

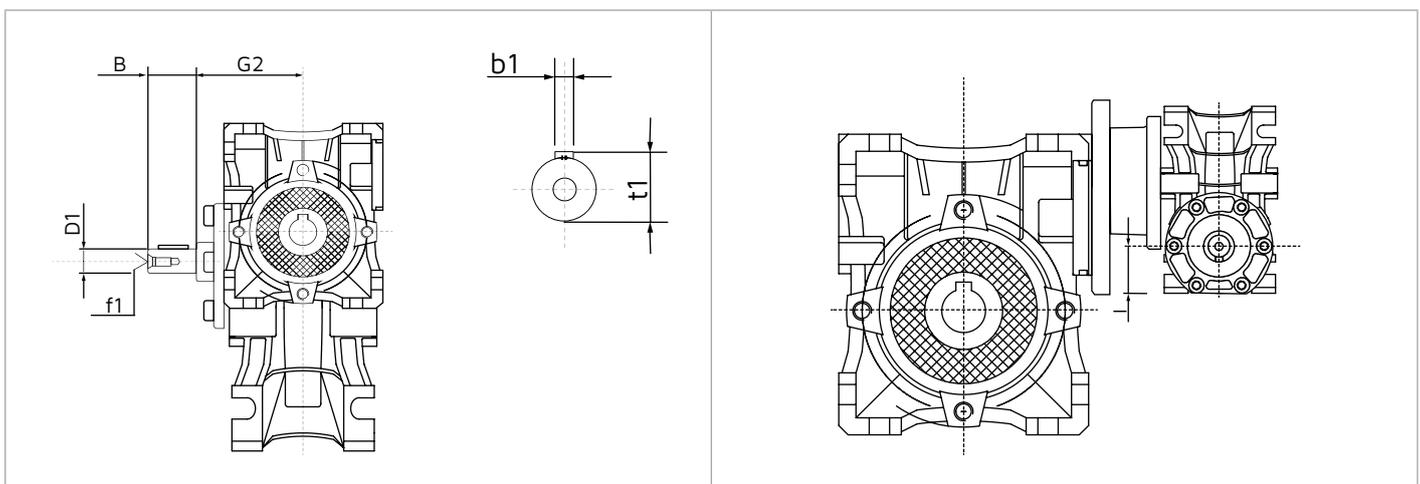
3.1. DIMENSIONES EJE LIBRE DE ENTRADA

(KR/KRR)



BWQ	030	040	050	063	075	090	110	130	150
B	20	23	30	20	20	50	60	80	80
D1	9 j6	11 j6	14 j6	19 j6	24 j6	24 j6	28 j6	30 j6	35 j6
G2	51	60	74	90	105	125	142	162	195
G3	45	53	64	75	90	108	135	155	175
l	30	40	50	63	75	90	110	130	150
b1	3	4	5	6	8	8	8	8	10
f1	-	-	M6	M6	M8	M8	M10	M10	M12
t1	10.2	12.5	16	21.5	27	27	31	33	38

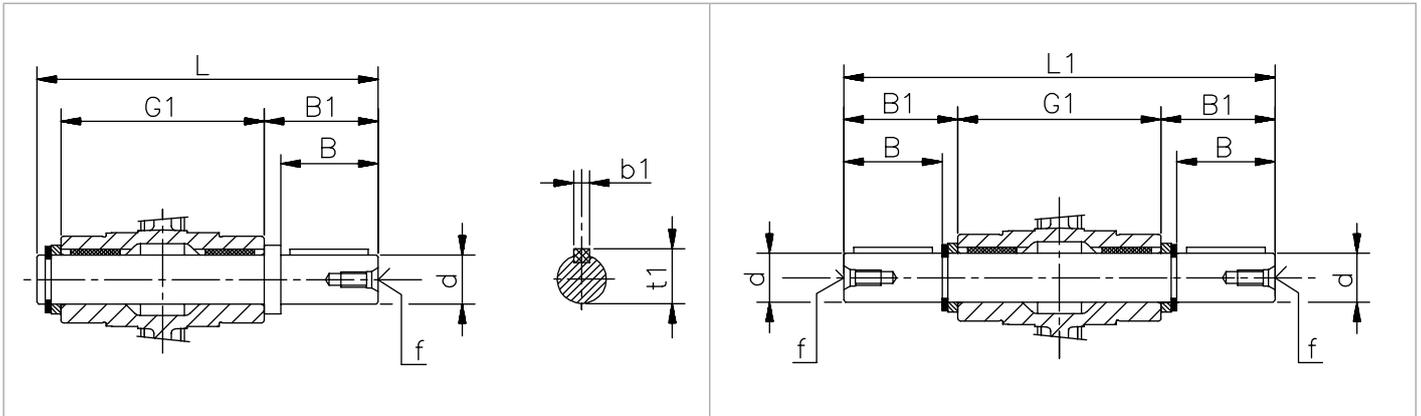
DIMENSIONES EJE LIBRE DE ENTRADA EN REDUCTOR COMBINADO (BWQ + BWQ)



BWQ	030 - 040	030 - 050	030 - 063	040 - 075	040 - 090	050 - 110	063 - 130	063 - 150
B	20	20	20	23	23	30	40	40
D1	9 j6	9 j6	9 j6	11 j6	11 j6	14 j6	19 j6	19 j6
G2	51	51	51	60	60	74	90	90
l	10	20	33	35	50	60	67	87
b1	3	3	3	4	4	5	6	6
f1	-	-	-	-	-	M6	M6	M6
t1	10.2	10.2	10.2	12.5	12.5	16	21.5	21.5

3.2. EJES DE SALIDA SIMPLES Y DOBLES

(ESS/ESD)



	d	B	B1	G1	L	L1	f	b1	t1
025	11 g6	23	25.5	50	75	101	-	4	12.5
030	14 h6	30	32	63	95	128	M6	-	16
040	18 h6	40	43	78	120.5	164	M6	6	20.5
050	25 h6	50	53.5	92	145	199	M10	8	28
063	25 h6	50	53.5	112	165	219	M10	8	28
075	28 h6	60	63.5	120	183	247	M10	8	31
090	35 h6	80	84.5	140	224	309	M12	10	38
110	42 h6	80	84.5	155	239	324	M16	12	45
130	45 h6	80	85	170	254.5	340	M16	14	48.5
150	50 h6	82	87	200	286.5	374	M16	14	53.5

3.3. BRAZO DE REACCIÓN

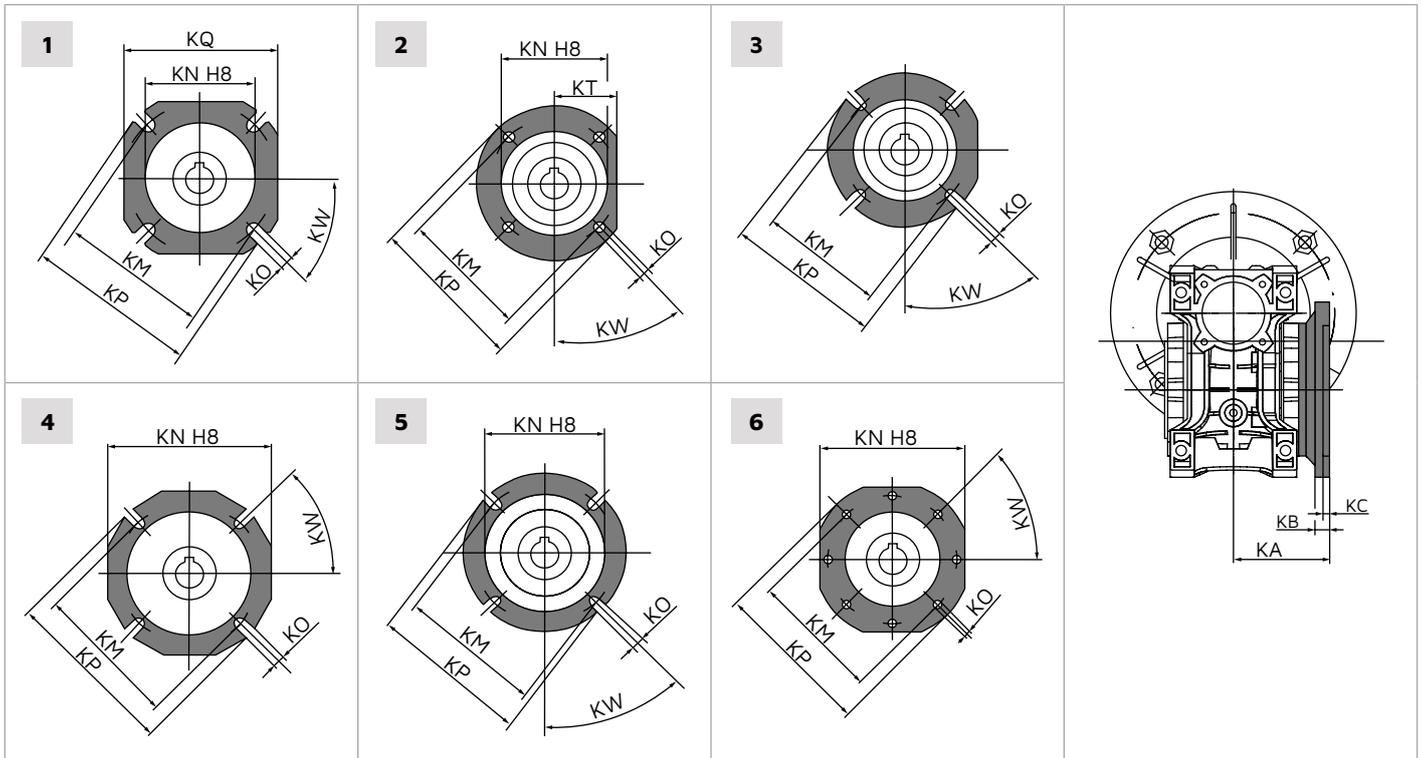
(BR)



	K1	G	KG	KH	R
025	70	14	17.5	8	15
030	85	14	24	8	15
040	100	14	31.5	10	18
050	100	14	38.5	10	18
063	150	14	49	10	18
075	200	25	47.5	20	30
090	200	25	57.5	20	30
110	250	30	62	25	35
130	250	30	69	25	35
150	250	30	84	25	35

3.4. BRIDAS DE SALIDA

(F/FL/FC/FD/FE)

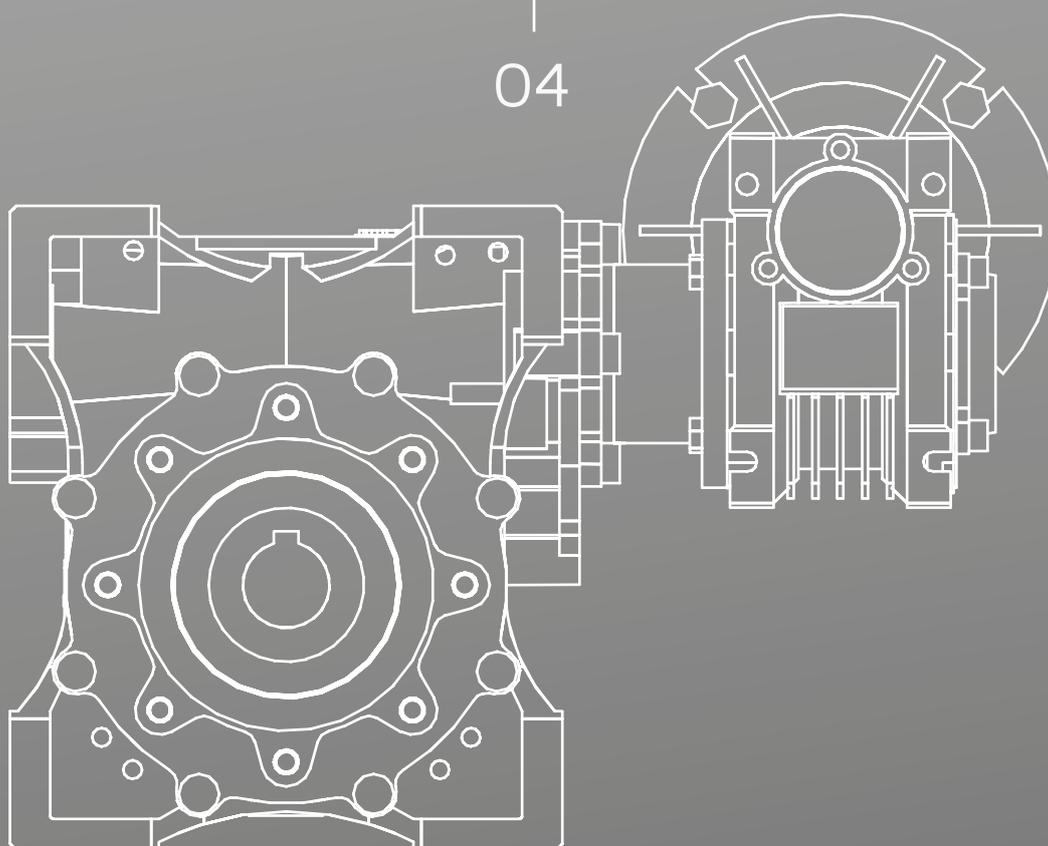


	BWQ	BWQ-BPQ	BWQ-BPQ	BWQ-BPQ	BWQ	BWQ	BWQ	BWQ	BWQ	BWQ
	025	030	040	050	063	075	090	110	130	150
F	1	1	1	1	1	5	4	6	6	6
FL	-	-	1	1	1	1	4	6	-	-
FC	-	-	2	2	2	-	5	-	-	-
FD	-	-	3	3	-	-	4	-	-	-
FE	-	-	-	-	5	-	-	-	-	-

	F									FL									
	KA	KB	KC	KN	KM	KO	KP	KQ	KW	KA	KB	KC	KN	KM	KO	KP	KQ	KT	KW
BWQ025	45	6	3	40	55	6.5	75	70	45°	-	-	-	-	-	-	-	-	-	-
BWQ030	54.5	6	4	50	68	6.5	80	70	45°	-	-	-	-	-	-	-	-	-	-
BWQ-BPQ040	67	7	4	60	80	9 (n°4)	110	95	45°	97	7	4	60	80	9 (n°4)	110	95	-	45°
BWQ-BPQ050	90	9	5	70	90	11 (n°4)	125	110	45°	120	9	5	70	90	11 (n°4)	125	110	-	45°
BWQ-BPQ063	82	10	6	115	150	11 (n°4)	180	142	45°	112	10	6	115	150	11 (n°4)	180	142	-	45°
BWQ075	90	13	6	110	165	14 (n°4)	200	170	45°	111	13	6	130	165	14 (n°4)	200	170	-	45°
BWQ090	111	13	6	152	175	14 (n°4)	210	200	45°	122	18	6	180	215	14 (n°4)	250		105	45°
BWQ110	131	15	6	170	230	14 (n°8)	280	260	45°	180	15	6	170	230	14 (n°8)	280	260	-	45°
BWQ130	140	15	6	180	255	16 (n°8)	320	290	45°	-	-	-	-	-	-	-	-	-	-
BWQ150	155	15	7	180	255	16 (n°8)	320	290	45°	-	-	-	-	-	-	-	-	-	-

	FC									FD									
	KA	KB	KC	KN	KM	KO	KP	KQ	KW	KA	KB	KC	KN	KM	KO	KP	KQ	KT	KW
BWQ040	80	9	5	95	115	9.5	140	56	45°	58	12	5	80	100	9 (n°4)	120	-	50	45°
BWQ050	89	10	5	110	130	9.5	160	66	45°	72	14.5	5	95	115	11 (n°4)	140	-	60	45°
BWQ-BPQ063	98	10	5	130	165	11 (n°4)	200	80	45°	-	-	-	-	-	-	-	-	-	-
BWQ-BPQ090	110	17	6	130	165	11 (n°4)	200	-	45°	151	13	6	152	175	14 (n°4)	210	200	-	45°

	FE								
	KA	KB	KC	KN	KM	KO	KP	KQ	KW
BWQ-BPQ063	80.5	16.5	5	110	130	11 (n°4)	160	-	45°



REDUCTORES
COMBINADOS SINFÍN
CORONA BWQ+BWQ

4.1. SELECCIÓN COMBINADO

n1=1400

TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 030/040	300	4.7	0.08	73	10	30
	400	3.5	0.06	65	10	40
	500	2.8	0.04	61	20	25
	600	2.3	0.04	73	20	30
	750	1.9	0.04	73	25	30
	900	1.6	0.03	73	30	30
	1200	1.2	0.02	65	30	40
	1500	0.9	0.02	73	50	30
	1800	0.8	0.02	73	60	30
	2400	0.58	0.01	65	60	40
	3200	0.5	0.01	65	80	40
	4000	0.35	0.01	33	50	80
5000	0.28	0.01	29	50	100	

TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 030/090	300	4.7	0.56	610	7.5	40
	400	3.5	0.43	610	10	40
	500	2.8	0.34	560	10	50
	600	2.3	0.3	610	15	40
	750	1.9	0.23	560	15	50
	900	1.6	0.19	505	15	60
	1200	1.2	0.17	610	30	40
	1500	0.9	0.14	560	30	50
	1800	0.78	0.11	505	30	60
	2400	0.58	0.11	610	60	40
	3000	0.5	0.08	560	60	50
	4000	0.35	0.08	460	50	80
5000	0.28	0.06	410	50	100	

TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 030/050	300	4.7	0.15	145	10	30
	400	3.5	0.1	124	10	40
	500	2.8	0.09	120	10	50
	600	2.3	0.08	145	20	30
	750	1.9	0.07	145	25	30
	900	1.6	0.06	145	30	30
	1200	1.2	0.04	124	30	40
	1500	0.9	0.04	145	50	30
	1800	0.8	0.04	145	60	30
	2400	0.58	0.03	124	60	40
	3000	0.5	0.02	120	60	50
	4000	0.35	0.02	82	50	80
5000	0.28	0.02	82	50	100	

TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 050/110	300	4.7	0.95	1100	10	30
	400	3.5	0.69	1030	10	40
	500	2.8	0.56	1000	10	50
	600	2.3	0.48	1030	15	40
	750	1.9	0.43	1100	25	30
	900	1.6	0.38	1100	30	30
	1200	1.2	0.27	1030	30	40
	1500	0.9	0.28	1100	50	30
	1800	0.8	0.23	1100	60	30
	2400	0.58	0.17	1030	60	40
	3200	0.5	0.14	1000	60	50
	4000	0.35	0.12	780	50	80
5000	0.28	0.09	710	50	100	

TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 030/063	300	4.7	0.24	230	7.5	40
	400	3.5	0.19	230	10	40
	500	2.8	0.15	216	10	50
	600	2.3	0.13	230	15	40
	750	1.9	0.11	216	15	50
	900	1.6	0.09	198	15	60
	1200	1.2	0.08	230	30	40
	1500	0.9	0.06	216	30	50
	1800	0.8	0.05	198	30	60
	2400	0.58	0.05	230	60	40
	3000	0.5	0.04	216	60	50
	4000	0.35	0.03	172	50	80
5000	0.28	0.02	150	50	100	

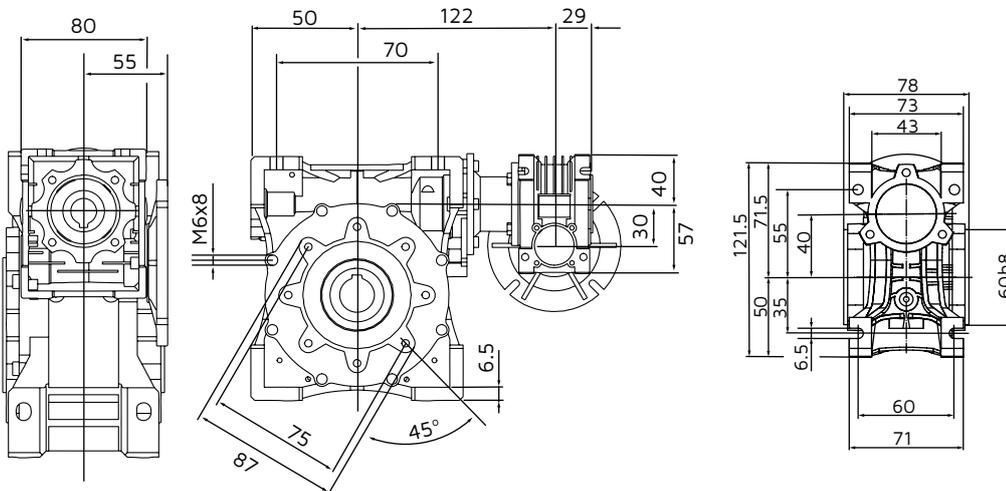
TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 063/130	300	4.70	1.48	1760	10	30
	400	3.50	1.09	1650	10	40
	500	2.80	0.86	1550	10	50
	600	2.30	0.76	1650	15	40
	750	1.90	0.66	1760	25	30
	900	1.60	0.58	1760	30	30
	1200	1.20	0.43	1650	30	40
	1500	0.90	0.38	1760	50	30
	1800	0.78	0.34	1760	60	30
	2400	0.58	0.25	1650	60	40
	3200	0.44	0.20	1550	60	50
	4000	0.35	0.15	1220	50	80
5000	0.28	0.11	1100	50	100	

TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 040/075	300	4.7	0.36	390	10	30
	400	3.5	0.27	360	10	40
	500	2.8	0.21	320	10	50
	600	2.3	0.19	390	20	30
	750	1.9	0.16	390	25	30
	900	1.6	0.14	390	30	30
	1200	1.2	0.11	360	30	40
	1500	0.9	0.1	390	50	30
	1800	0.8	0.09	390	60	30
	2400	0.58	0.07	360	60	40
	3200	0.5	0.05	320	60	50
	4000	0.35	0.04	250	50	80
5000	0.28	0.03	230	50	100	

TIPO	i	n2	kw1	M2 Nm	i1	i2
BWQ 063/150	300	4.70	1.90	2340	15	20
	400	3.50	1.80	2670	10	40
	500	2.80	1.40	2330	10	50
	600	2.30	1.30	2670	15	40
	750	1.90	1.00	2330	15	50
	900	1.60	0.70	2100	30	30
	1200	1.20	0.70	2670	30	40
	1800	0.78	0.50	2100	60	30
	2400	0.58	0.40	2670	60	40
	3000	0.44	0.30	2330	60	50
	4000	0.35	0.20	1880	80	50
	5000	0.28	0.35	1650	100	50

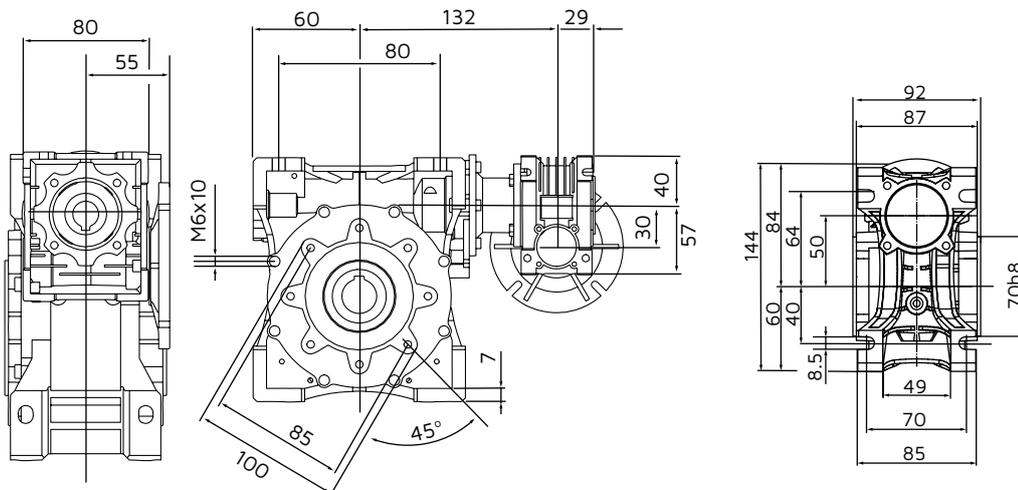
4.2. DIMENSIONES BWQ + BWQ COMBINADO

BWQ 030+040



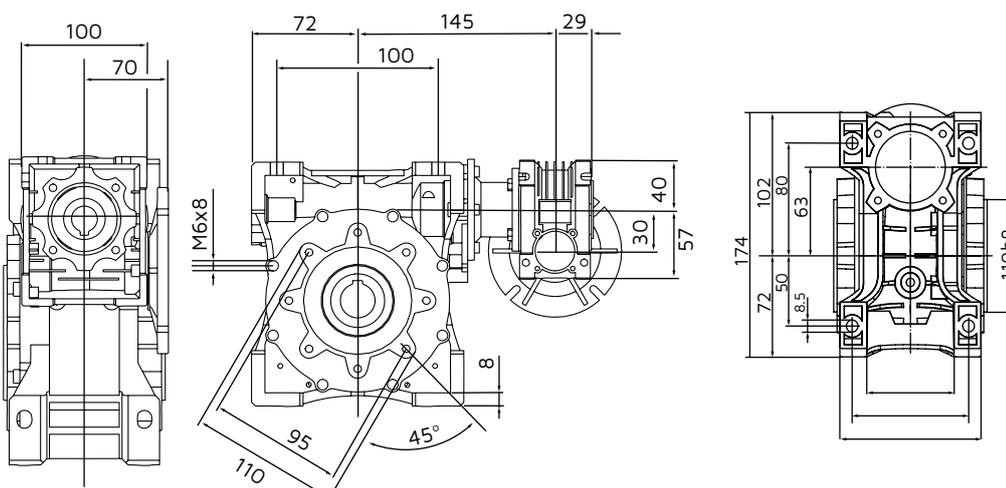
	BWQ 040	BPQ 040
a	6 mm	6 mm
b	20.8 mm	21.8 mm
c	78 mm	78 mm
d	18 mm	19 mm
e	26 mm	26 mm
f	26 mm	26 mm

BWQ 030+050



	BWQ 050	BPQ 050
a	8 mm	8 mm
b	28.3 mm	27.3 mm
c	92 mm	92 mm
d	25 mm	24 mm
e	30 mm	30 mm
f	30 mm	30 mm

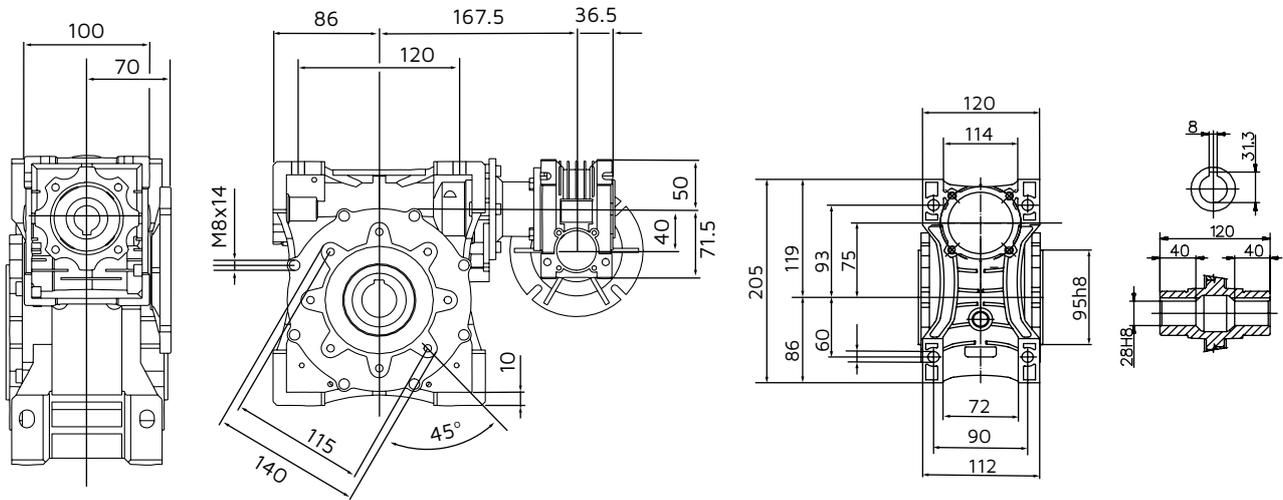
BWQ 030+063



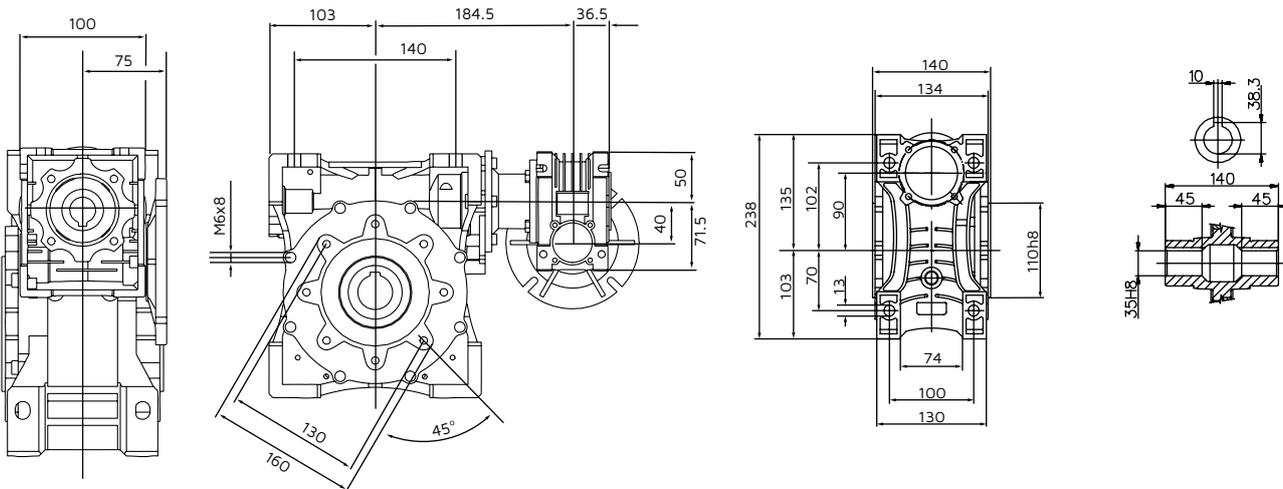
	BWQ 063	BPQ 063
a	8 mm	8 mm
b	28.3 mm	31.3 mm
c	112 mm	112 mm
d	25 mm	28 mm
e	36 mm	36 mm
f	36 mm	36 mm

DIMENSIONES BWQ + BWQ COMBINADO

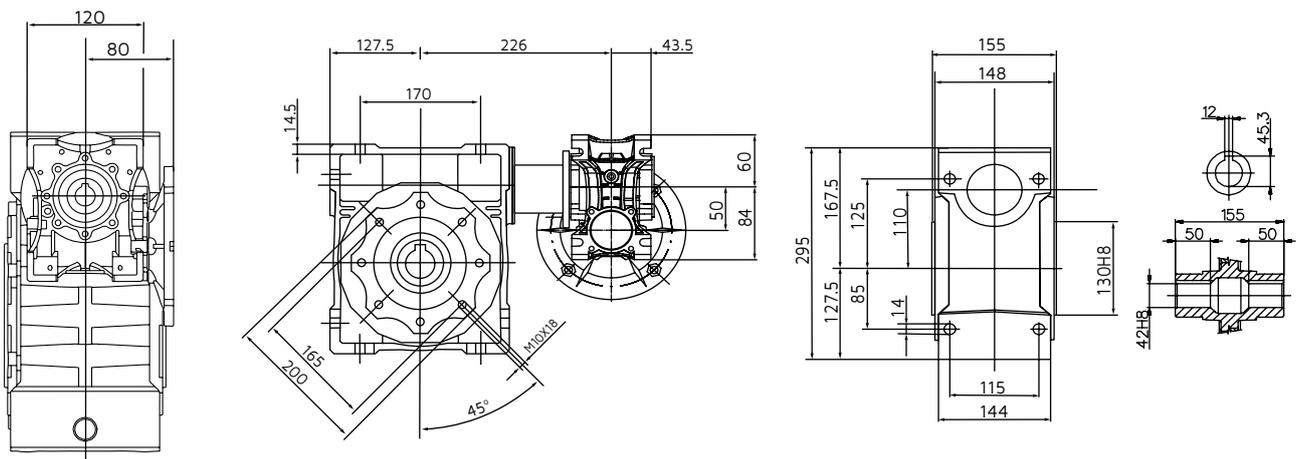
BWQ 040+075



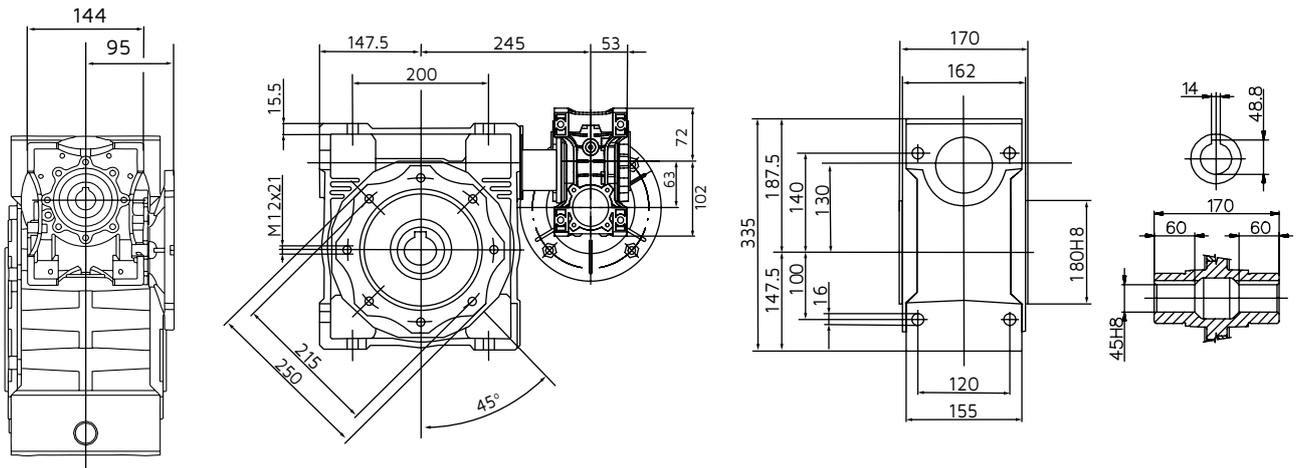
BWQ 040+090



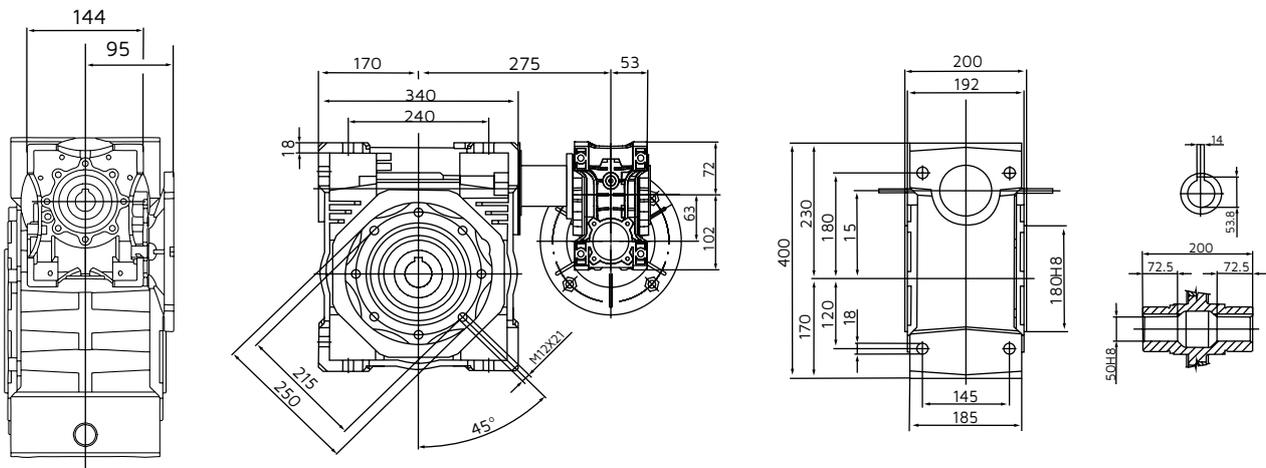
BWQ 050+110



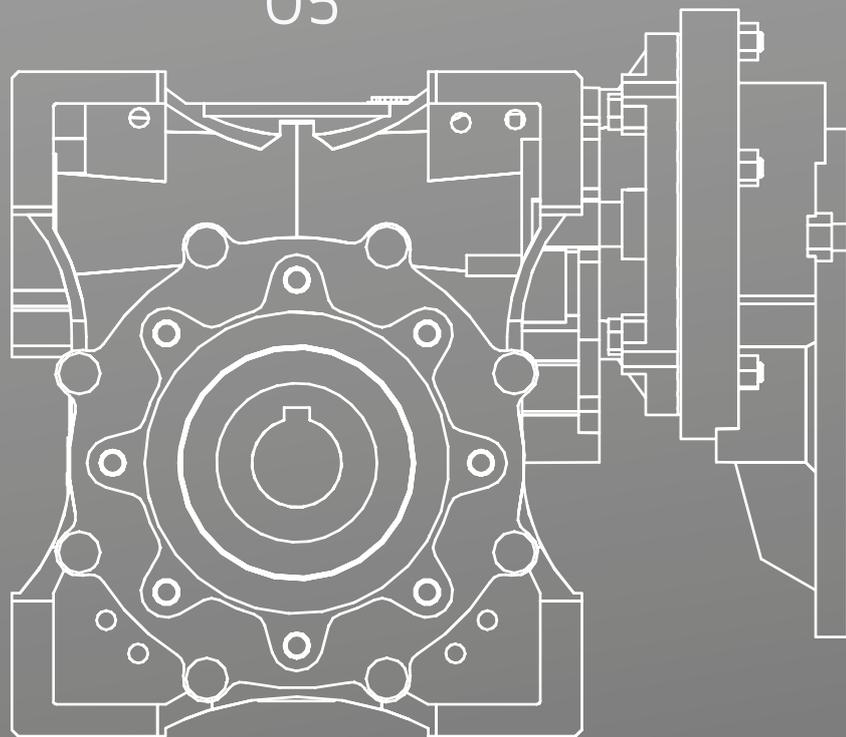
BWQ 063+130



BWQ 063+150



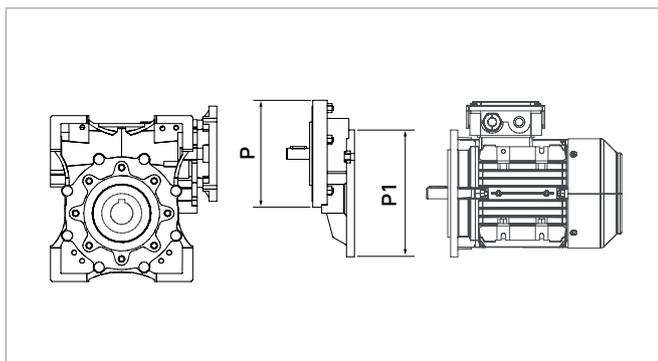
05



REDUCTORES SIN FÍN
CORONA Y DIMENSIONES DE LA
PRERREDUCCIÓN BWQ + BH

5.1. SELECCIÓN PRERREDUCCIÓN BWQ + BH

BWQ	i	BH 63 105/11 i=3	BH 71 120/14 i=3.17	BH 80 160/19 i=3	BH 90 160/24 i=2.43
040	25				
	30				
	40				
	50				
	60				
	80				
050	100				
	25				
	30				
	40				
	50				
	60				
063	80				
	100				
	25				
	30				
	40				
	50				
075	60				
	80				
	100				
	25				
	30				
	40				
090	50				
	60				
	80				
	100				
	25				
	30				
110	40				
	50				
	60				
	80				
	100				
	25				
130	30				
	40				
	50				
	60				
	80				
	100				

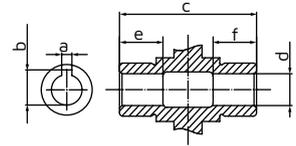
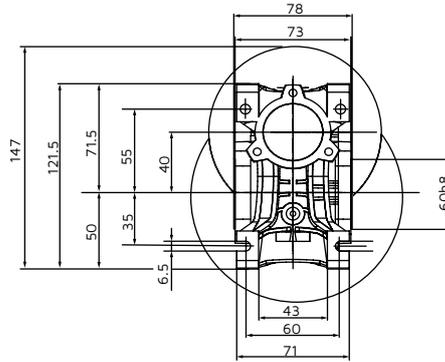
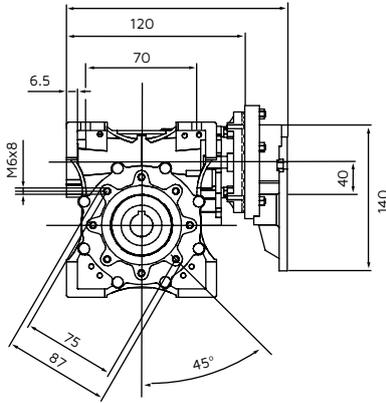


	P	P1
BH063	105/11	63B5 - 140/11
BH071	120/14	71B5 - 160/14
BH080	160/19	80B5 - 200/19
BH090	160/24	90B5 - 200/24

5.2. DIMENSIONES BWQ + BH

BWQ 040+BH 063

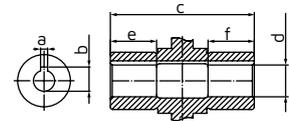
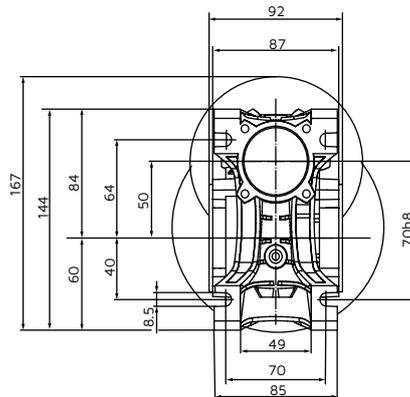
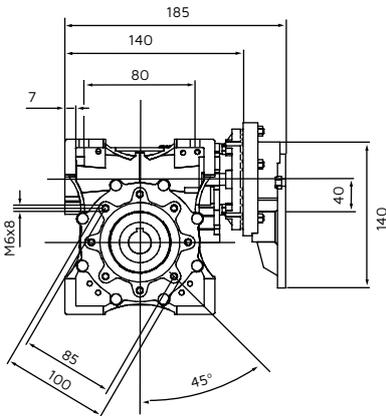
BPQ 040+BH 063



	BWQ 040	BPQ 040
a	6 mm	6 mm
b	20.8 mm	21.8 mm
c	78 mm	78 mm
d	18 mm	19 mm
e	26 mm	26 mm
f	26 mm	26 mm

BWQ 050+BH 063

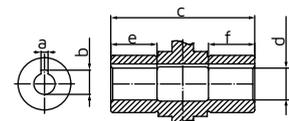
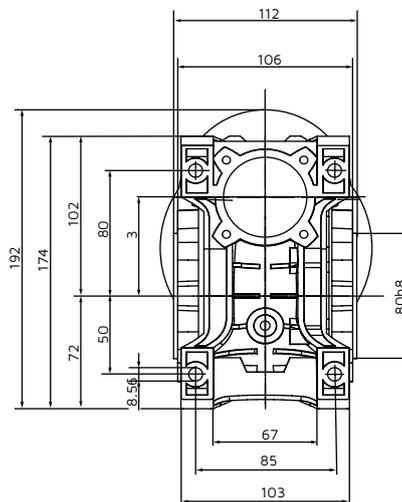
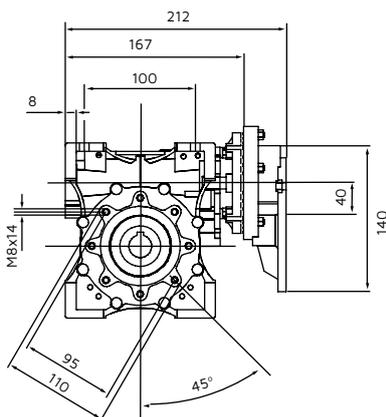
BPQ 050+BH 063



	BWQ 050	BPQ 050
a	8 mm	8 mm
b	28.3 mm	27.3 mm
c	92 mm	92 mm
d	25 mm	24 mm
e	30 mm	30 mm
f	30 mm	30 mm

BWQ 063+BH 063

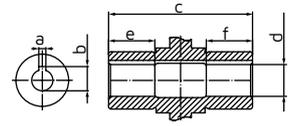
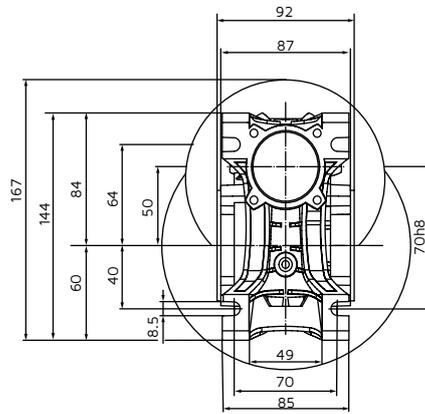
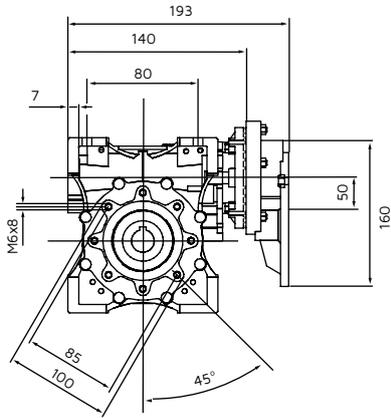
BPQ 063+BH 063



	BWQ 063	BPQ 063
a	8 mm	8 mm
b	28.3 mm	31.3 mm
c	112 mm	112 mm
d	25 mm	28 mm
e	36 mm	36 mm
f	36 mm	36 mm

BWQ 050+BH 071

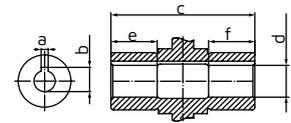
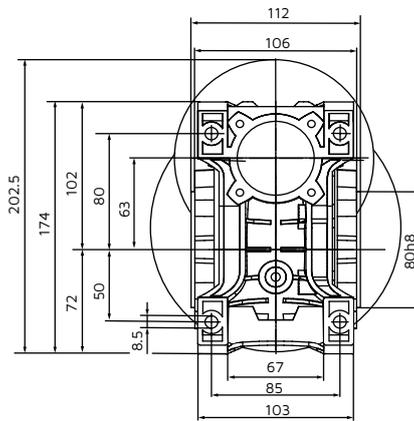
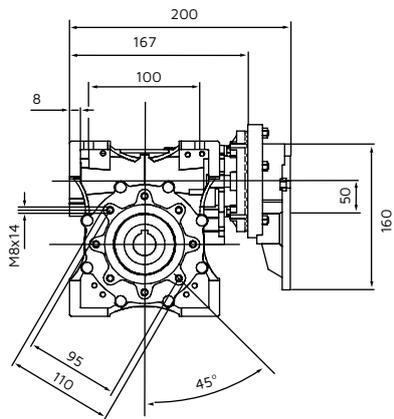
BPQ 050+BH 071



	BWQ 050	BPQ 050
a	8 mm	8 mm
b	28.3 mm	27.3 mm
c	92 mm	92 mm
d	25 mm	24 mm
e	30 mm	30 mm
f	30 mm	30 mm

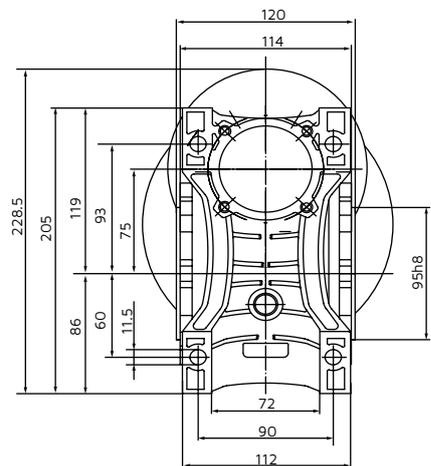
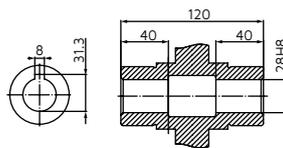
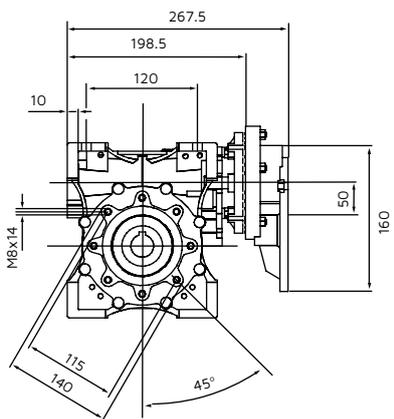
BWQ 063+BH 071

BPQ 063+BH 071



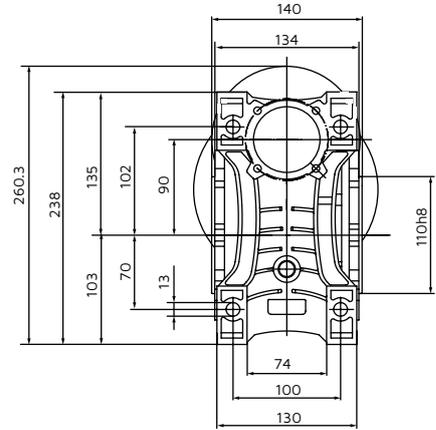
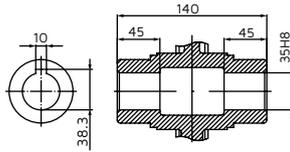
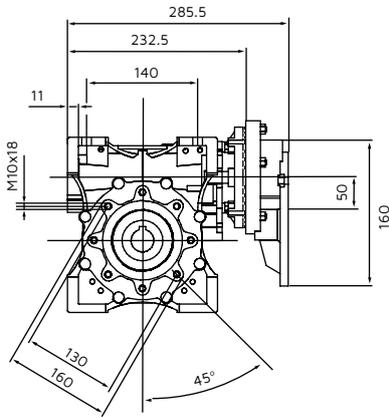
	BWQ 063	BPQ 063
a	8 mm	8 mm
b	28.3 mm	31.3 mm
c	112 mm	112 mm
d	25 mm	28 mm
e	36 mm	36 mm
f	36 mm	36 mm

BWQ 075+BH 071

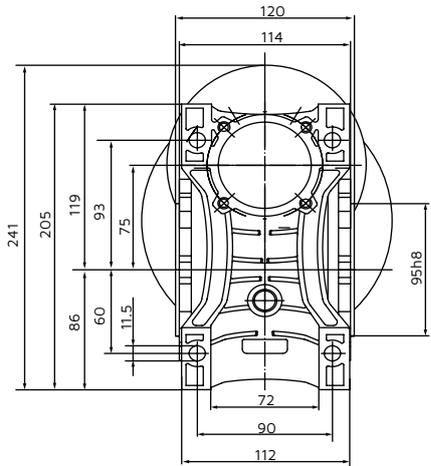
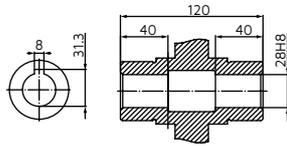
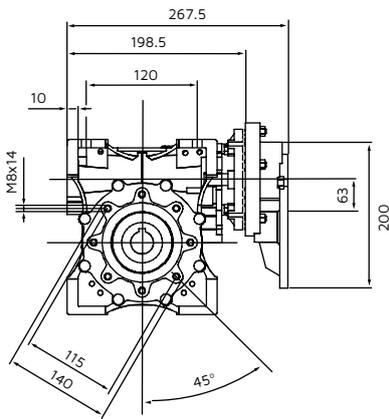


DIMENSIONES BWQ + BH

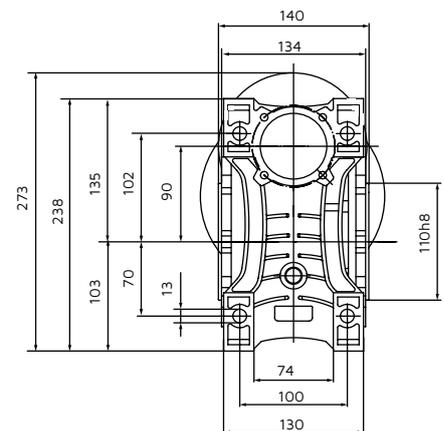
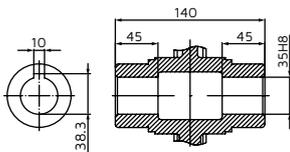
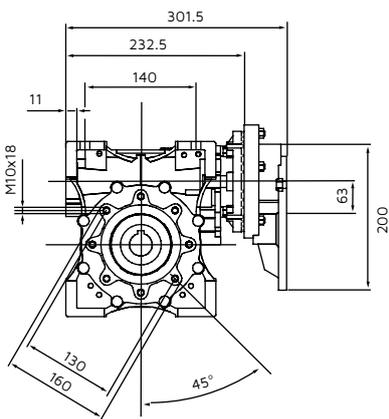
BWQ 090+BH 071



BWQ 075+BH 080

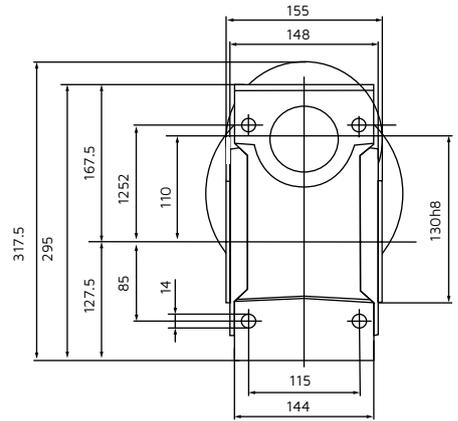
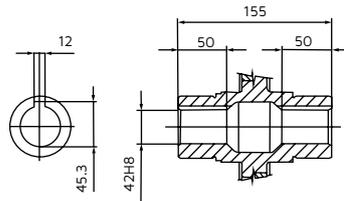
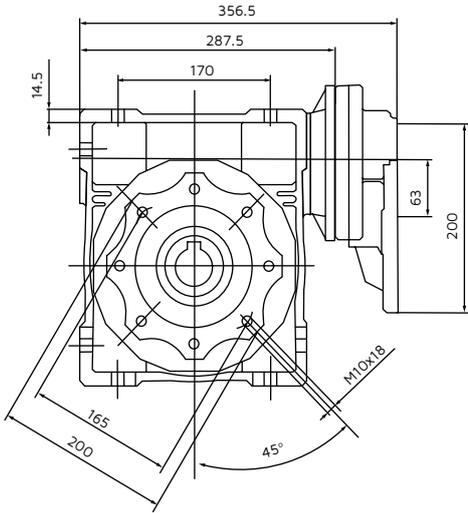


BWQ 090+BH 080



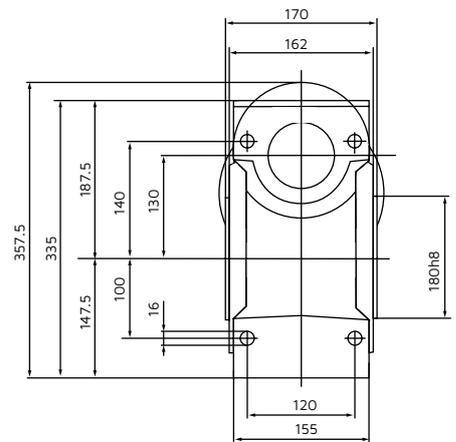
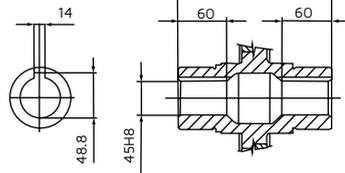
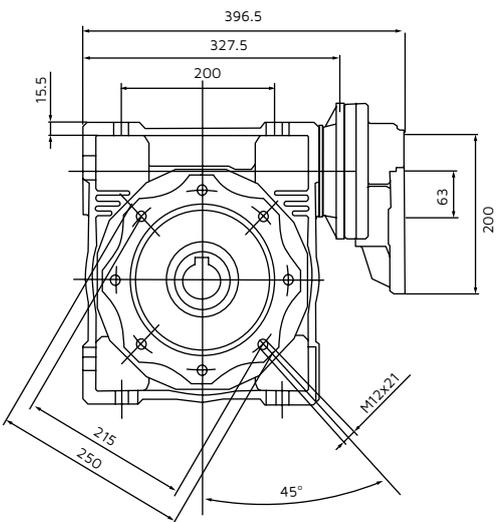
BWQ 110+BH 080

BWQ 110+BH 090

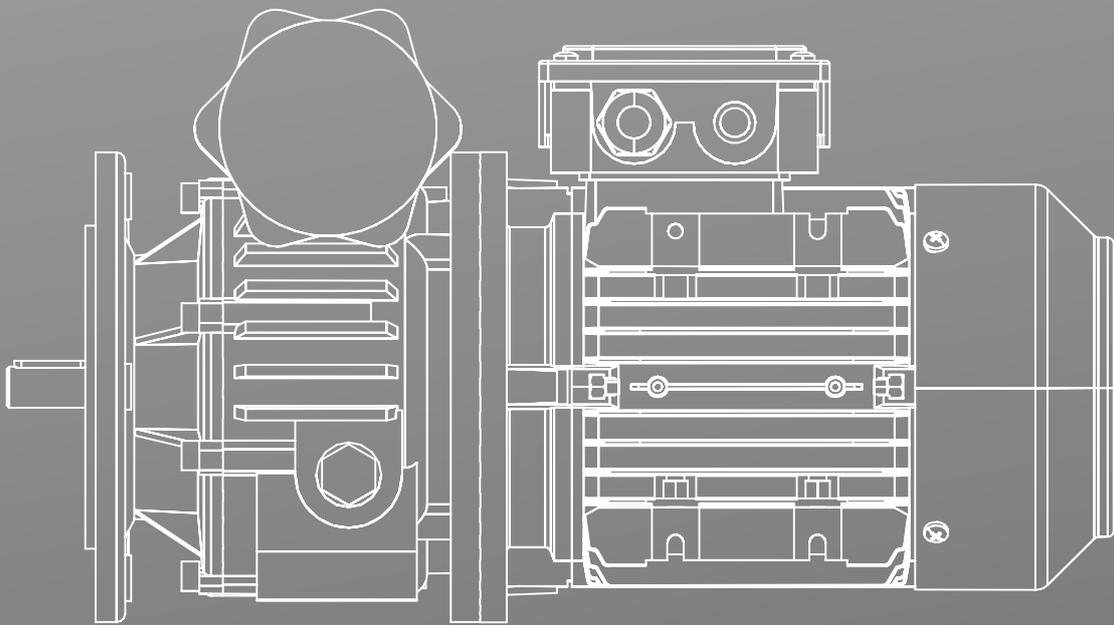


BWQ 130+BH 080

BWQ 130+BH 090



06



VARIADORES
MECÁNICOS BV

6.1. SELECCIÓN MOTOVARIADORES BV

n1=1400

Kw	Tamaño	i	Velocidad Salida (rpm)		Par Salida (Nm)		Par Máx.	fs.
			nMAX	nMIN	MMIN	MMAX	Gearbox	
0.18	BVW40Q - 02 - 01843	7.5:1	117	2.7	9	18	65	3.6
	BVW40Q - 02 - 01843	10:1	88	17	12	23	67	2.9
	BVW40Q - 02 - 01843	15:1	58.7	11.3	17	32	67	2.0
	BVW40Q - 02 - 01843	20:1	44	8.5	22	40	64	1.6
	BVW40Q - 02 - 01843	25:1	35.2	6.8	27	47	76	1.6
	BVW40Q - 02 - 01843	30:1	29.3	5.7	30	51	73	1.4
	BVW40Q - 02 - 01843	40:1	22	4.3	37	62	66	1.06
	BVW50Q - 02 - 01843	40:1	22	4.3	38	63	119	1.8
	BVW40Q - 02 - 01843	50:1	17.6	3.4	43	60	61	1.0
	BVW50Q - 02 - 01843	50:1	17.6	3.4	44	73	103	1.4
BVW50Q - 02 - 01843	60:1	14.7	2.8	50	80	85	1.06	
BVW50Q - 02 - 01843	80:1	11	2.1	59	82	76	0.9	
BVW50Q - 02 - 01843	100:1	8.8	1.7	66	79	50	0.6	
0.37	BVW50Q - 05 - 03743	7.5:1	133	26.7	19	36	98	2.7
	BVW50Q - 05 - 03743	10:1	100	20	25	47	96	2.0
	BVW50Q - 05 - 03743	15:1	66.7	13.3	36	65	130	2.0
	BVW50Q - 05 - 03743	20:1	50	10	46	82	101	1.23
	BVW50Q - 05 - 03743	25:1	40	8	55	97	120	1.23
	BVW50Q - 05 - 03743	30:1	33.3	6.7	61	107	104	1.0
	BVW50Q - 05 - 03743	40:1	25	5	76	124	119	1.0
	BVW63Q - 05 - 03743	40:1	25	5	79	134	205	1.5
	BVW50Q - 05 - 03743	50:1	20	4	89	120	103	0.85
	BVW63Q - 05 - 03743	50:1	20	4	92	155	200	1.3
BVW63Q - 05 - 03743	60:1	16.7	3.3	104	173	200	1.15	
BVW63Q - 05 - 03743	80:1	12.5	2.5	125	173	166	0.96	
BVW63Q - 05 - 03743	100:1	10	2	139	150	149	1.0	
0.55	BVW63Q - 10 - 05543	7.5:1	133	26.7	26	49	211	4.3
	BVW63Q - 10 - 05543	10:1	100	20	34	63	220	3.5
	BVW63Q - 10 - 05543	15:1	66.7	13.3	48	88	234	2.6
	BVW63Q - 10 - 05543	20:1	50	10	62	112	215	1.9
	BVW63Q - 10 - 05543	25:1	40	8	75	133	269	2.0
	BVW63Q - 10 - 05543	30:1	33.3	6.7	81	146	237	1.6
	BVW63Q - 10 - 05543	40:1	25	5	105	179	205	1.14
	BVW63Q - 10 - 05543	50:1	20	4	123	207	200	0.96
	BVW75Q - 10 - 05543	50:1	20	4	129	216	295	1.36
	BVW75Q - 10 - 05543	60:1	16.7	3.3	146	242	301	1.24
BVW75Q - 10 - 05543	80:1	12.5	2.5	176	250	275	1.1	
BVW90Q - 10 - 05543	80:1	12.5	2.5	189	309	355	1.14	
BVW90Q - 10 - 05543	100:1	10	2	218	350	333	0.95	
0.75	BVW63Q - 10 - 07543	7.5:1	133	26.7	39	73	211	2.8
	BVW63Q - 10 - 07543	10:1	100	20	51	94	220	2.3
	BVW63Q - 10 - 07543	15:1	66.7	13.3	72	132	234	1.7
	BVW63Q - 10 - 07543	20:1	50	10	92	168	215	1.27
	BVW63Q - 10 - 07543	25:1	40	8	112	199	269	1.35
	BVW63Q - 10 - 07543	30:1	33.3	6.7	126	219	237	1.08
	BVW63Q - 10 - 07543	40:1	25	5	156	232	205	0.88
	BVW63Q - 10 - 07543	50:1	20	4	185	310	200	0.64
	BVW75Q - 10 - 07543	50:1	20	4	192	320	295	0.92
	BVW75Q - 10 - 07543	60:1	16.7	3.3	219	300	301	1.0
BVW90Q - 10 - 07543	60:1	16.7	3.3	230	389	461	1.18	
BVW90Q - 10 - 07543	80:1	12.5	2.5	265	428	355	0.83	
BVW110Q - 10 - 07543	80:1	12.5	2.5	302	503	731	1.45	
BVW90Q - 10 - 07543	100:1	10	2	303	410	333	0.81	
BVW110Q - 10 - 07543	100:1	10	2	348	575	676	1.17	
1.1	BVW75Q - 20 - 1.143	7.5:1	133	26.7	59	111	315	2.8
	BVW75Q - 20 - 1.143	10:1	100	20	77	144	315	2.1
	BVW90Q - 20 - 1.143	10:1	120	20	78	146	432	2.9
	BVW75Q - 20 - 1.143	15:1	66.7	13.3	110	203	312	1.5
	BVW90Q - 20 - 1.143	15:1	66.7	13.3	113	208	580	2.7
	BVW75Q - 20 - 1.143	20:1	50	10	142	258	338	1.3
	BVW90Q - 20 - 1.143	20:1	50	10	146	266	484	1.8
	BVW75Q - 20 - 1.143	25:1	48	8	172	308	336	1.09
	BVW90Q - 20 - 1.143	25:1	40	8	177	320	524	1.6
	BVW75Q - 20 - 1.143	30:1	33.3	6.7	195	340	325	0.95
BVW90Q - 20 - 1.143	30:1	33.3	6.7	202	356	616	1.7	
BVW75Q - 20 - 1.143	40:1	25	5	245	360	336	0.9	
BVW90Q - 20 - 1.143	40:1	25	5	256	442	483	1.1	
BVW90Q - 20 - 1.143	50:1	20	4	304	517	506	0.98	
BVW110Q - 20 - 1.143	50:1	20	4	320	550	864	1.5	
BVW110Q - 20 - 1.143	60:1	16.7	3.3	368	625	864	1.38	
BVW130Q - 20 - 1.143	60:1	16.7	3.3	373	623	1212	1.9	
BVW110Q - 20 - 1.143	80:1	12.5	2.5	455	754	731	0.97	
BVW130Q - 20 - 1.143	80:1	12.5	2.5	460	749	1000	1.33	
BVW110Q - 20 - 1.143	100:1	10	2	522	710	676	0.95	
BVW130Q - 20 - 1.143	100:1	10	2	531	868	915	1.05	

6.1. SELECCIÓN MOTOVARIADORES BV

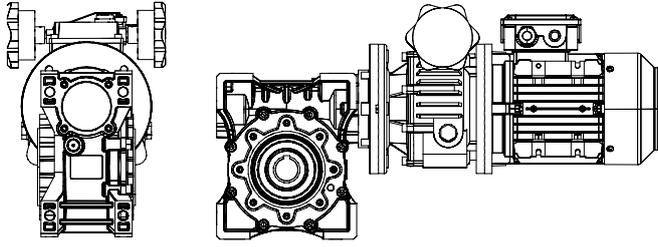
n1=1400

Kw	Tamaño	i	Velocidad Salida (rpm)		Par Salida (Nm)		Par Máx. Gearbox	fs.
			nMAX	nMIN	MMIN	MMAX		
1.5	BVW75Q - 20 - 1.543	7.5:1	133	26.7	78	148	315	2.1
	BVW90Q - 20 - 1.543	7.5:1	133	26.7	77	150	478	3.1
	BVW75Q - 20 - 1.543	10:1	100	20	102	192	315	1.6
	BVW90Q - 20 - 1.543	10:1	100	20	104	195	432	2.2
	BVW75Q - 20 - 1.543	15:1	66.7	13.3	147	270	312	1.15
	BVW90Q - 20 - 1.543	15:1	66.7	13.3	150	277	580	2.0
	BVW75Q - 20 - 1.543	20:1	50	10	190	344	338	1.0
	BVW90Q - 20 - 1.543	20:1	50	10	194	355	484	1.36
	BVW75Q - 20 - 1.543	25:1	40	8.0	229	330	336	1.0
	BVW90Q - 20 - 1.543	25:1	40	8.0	236	427	524	1.2
	BVW75Q - 20 - 1.543	30:1	33.3	6.7	260	390	325	0.8
	BVW90Q - 20 - 1.543	30:1	33.3	6.7	270	474	616	1.3
	BVW75Q - 20 - 1.543	40:1	25	5.0	237	360	336	0.9
	BVW90Q - 20 - 1.543	40:1	25	5.0	341	589	483	0.8
	BVW90Q - 20 - 1.543	50:1	20	4.0	406	560	506	0.9
	BVW110Q - 20 - 1.543	50:1	20	4.0	426	733	864	1.17
BVW130Q - 20 - 1.543	60:1	16.7	3.3	498	831	1212	1.45	
BVW130Q - 20 - 1.543	80:1	12.5	2.5	614	999	1000	1.0	
BVW130Q - 20 - 1.543	100:1	10	2.0	696	1100	915	0.83	
2.2	BVW110Q - 30 - 2.243	7.5:1	133	26.7	120	226	815	3.6
	BVW110Q - 30 - 2.243	10:1	100	20	157	294	815	2.7
	BVW110Q - 30 - 2.243	15:1	66.7	13.3	228	418	858	2.0
	BVW110Q - 30 - 2.243	20:1	50	10	298	549	878	1.6
	BVW110Q - 30 - 2.243	25:1	40	8.0	364	664	908	1.36
	BVW110Q - 30 - 2.243	30:1	33.3	6.7	413	717	809	1.12
	BVW110Q - 30 - 2.243	40:1	25	5.0	533	931	817	0.87
	BVW130Q - 30 - 2.243	40:1	25	5.0	542	932	1355	1.45
	BVW130Q - 30 - 2.243	50:1	20	4.0	648	1097	1160	1.05
	BVW130Q - 30 - 2.243	60:1	16.7	3.3	746	1246	1212	0.97
	BVW130Q - 30 - 2.243	80:1	12.5	2.5	921	1499	1000	0.66
	BVW130Q - 30 - 2.243	100:1	10	2.0	1040	1610	915	0.56
3.0	BVW110Q - 40 - 3.043	7.5:1	133	26.7	160	302	815	2.7
	BVW130Q - 40 - 3.043	7.5:1	133	26.7	160	301	1339	3.7
	BVW110Q - 40 - 3.043	10:1	100	20	210	392	816	2.0
	BVW130Q - 40 - 3.043	10:1	100	20	211	395	1390	3.5
	BVW110Q - 40 - 3.043	15:1	66.7	13.3	304	558	858	1.5
	BVW130Q - 40 - 3.043	15:1	66.7	13.3	307	563	1517	2.7
	BVW110Q - 40 - 3.043	20:1	50	10	398	732	878	1.2
	BVW130Q - 40 - 3.043	20:1	50	10	402	733	1325	1.8
	BVW110Q - 40 - 3.043	25:1	40	8.0	485	885	908	1.02
	BVW130Q - 40 - 3.043	25:1	40	8.0	490	885	1527	1.7
	BVW110Q - 40 - 3.043	30:1	33.3	6.7	547	956	809	0.85
	BVW130Q - 40 - 3.043	30:1	33.3	6.7	562	973	1509	1.55
	BVW110Q - 40 - 3.043	40:1	25	5.0	711	1030	817	0.8
	BVW130Q - 40 - 3.043	40:1	25	5.0	720	1242	1355	1.09
BVW130Q - 40 - 3.043	50:1	20	4.0	864	1463	1160	0.79	
4.0	BVW110Q - 40 - 4.043	7.5:1	133	26.7	213	402	815	2.0
	BVW130Q - 40 - 4.043	7.5:1	133	26.7	214	401	1339	3.3
	BVW110Q - 40 - 4.043	10:1	100	20	279	523	816	1.5
	BVW130Q - 40 - 4.043	10:1	20	100	281	527	1390	2.6
	BVW110Q - 40 - 4.043	15:1	66.7	13.3	405	744	858	1.15
	BVW130Q - 40 - 4.043	15:1	66.7	13.3	410	751	1517	2.0
	BVW110Q - 40 - 4.043	20:1	50	10	530	975	878	0.9
	BVW130Q - 40 - 4.043	20:1	50	10	536	978	1325	1.35
	BVW110Q - 40 - 4.043	25:1	40	8.0	647	1020	908	0.9
	BVW130Q - 40 - 4.043	25:1	40	8.0	653	1180	1527	1.3
	BVW130Q - 40 - 4.043	30:1	33.3	6.7	749	1298	1509	1.16
BVW130Q - 40 - 4.043	40:1	25	5.0	960	1650	1355	0.82	

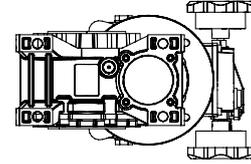
Selección de Servicio Estándar Factor Mínimo 1.0
 Standar Selection Minimum Service Factor 1.0

6.2. POSICIONES DE MONTAJE

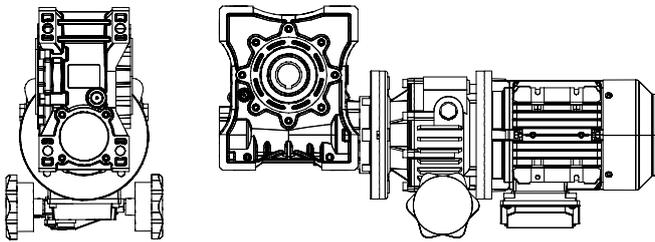
B3



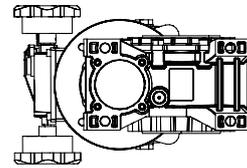
B6



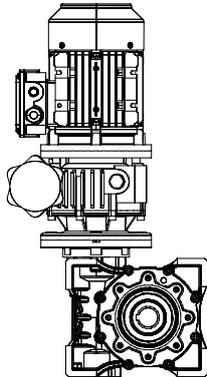
B8



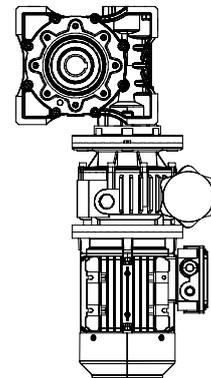
B7



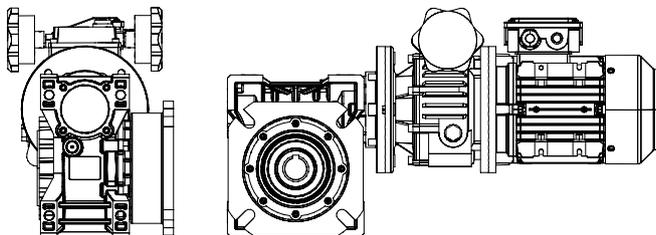
V5



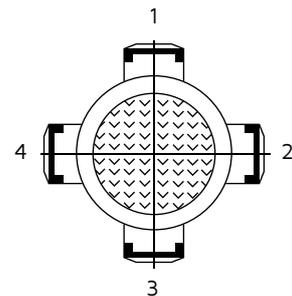
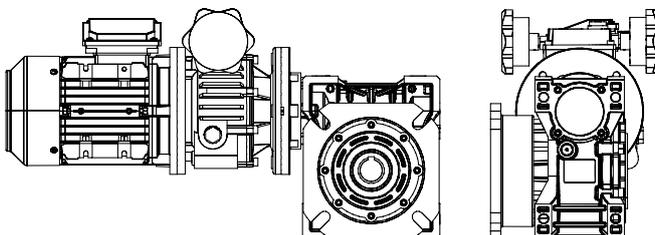
V6



FD

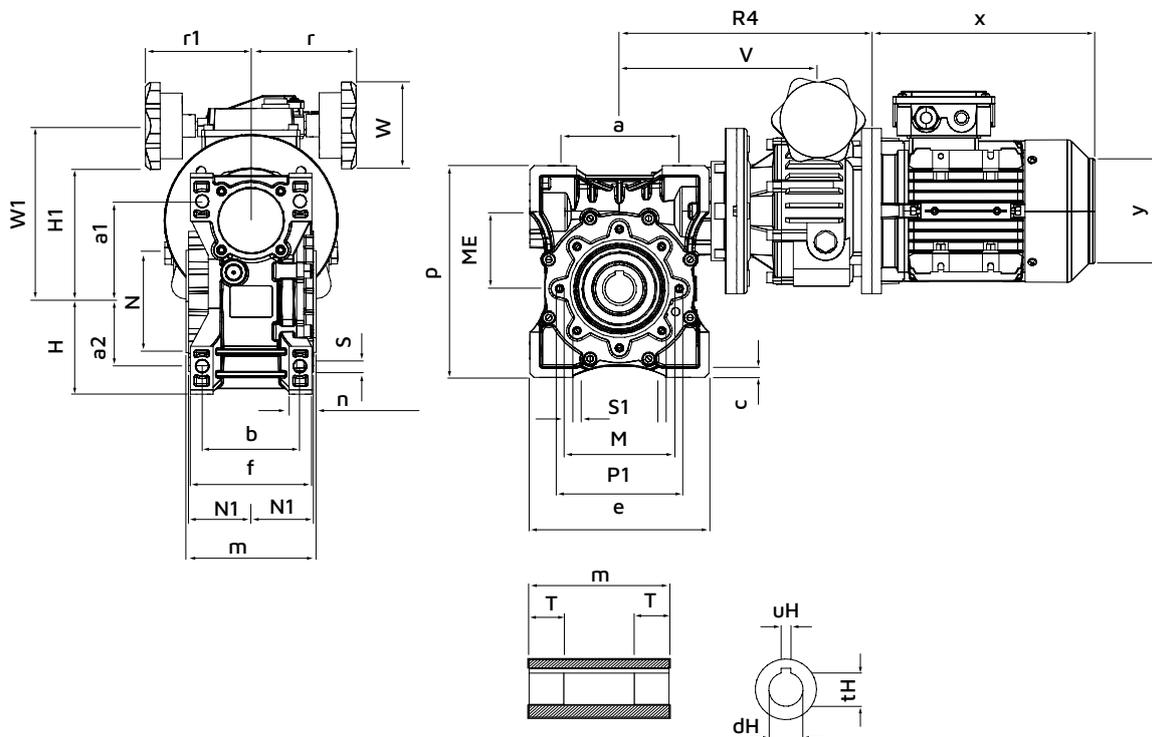


FS

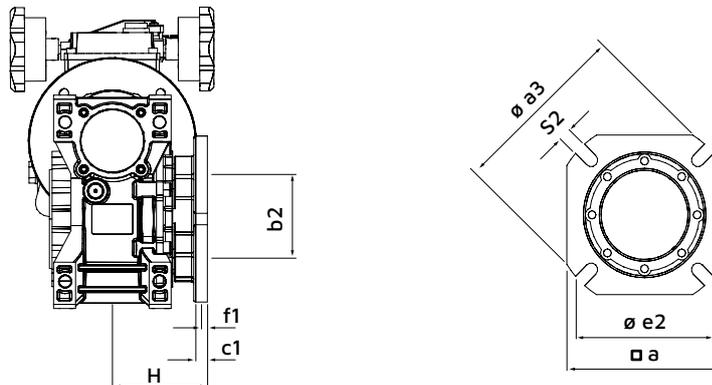


6.3. DIMENSIONES

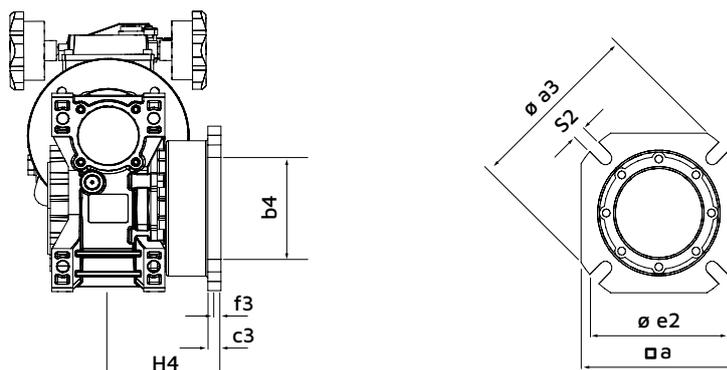
A/FP



F

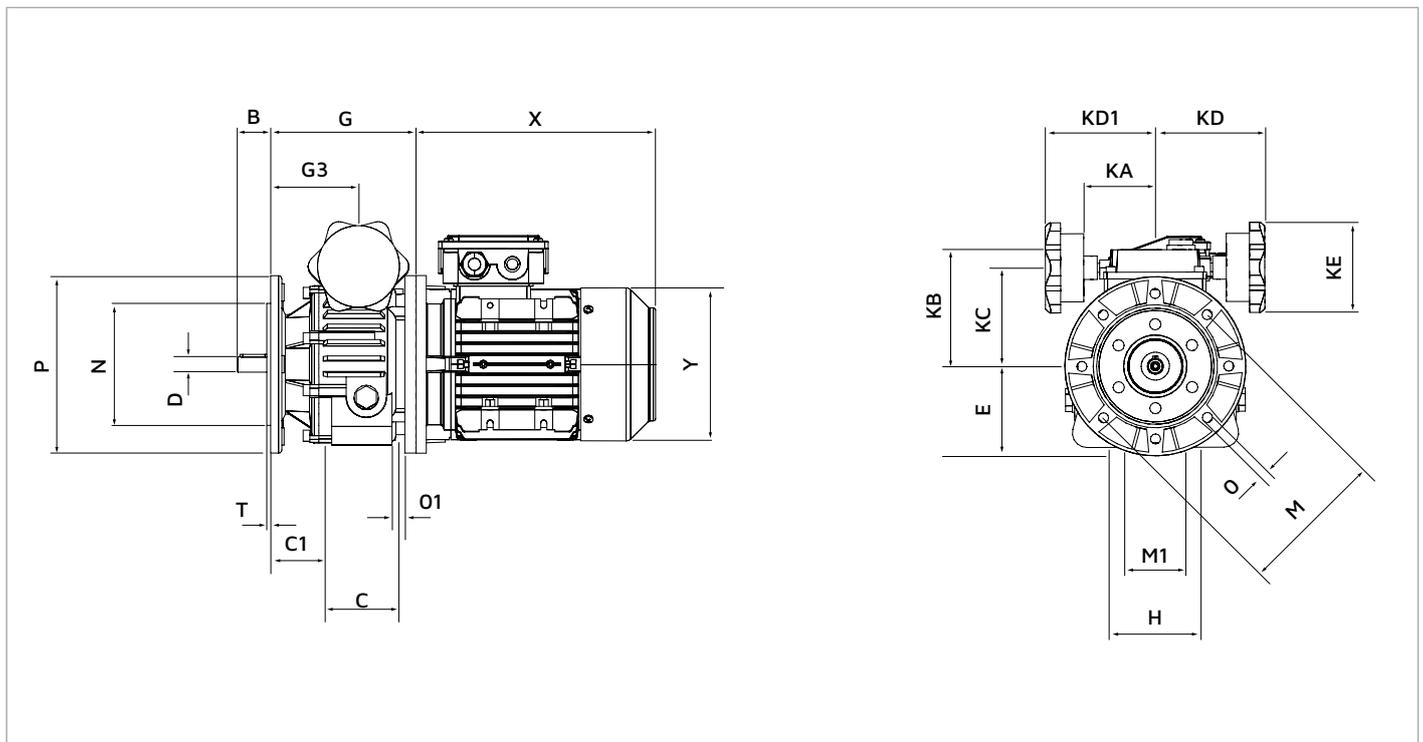


FL



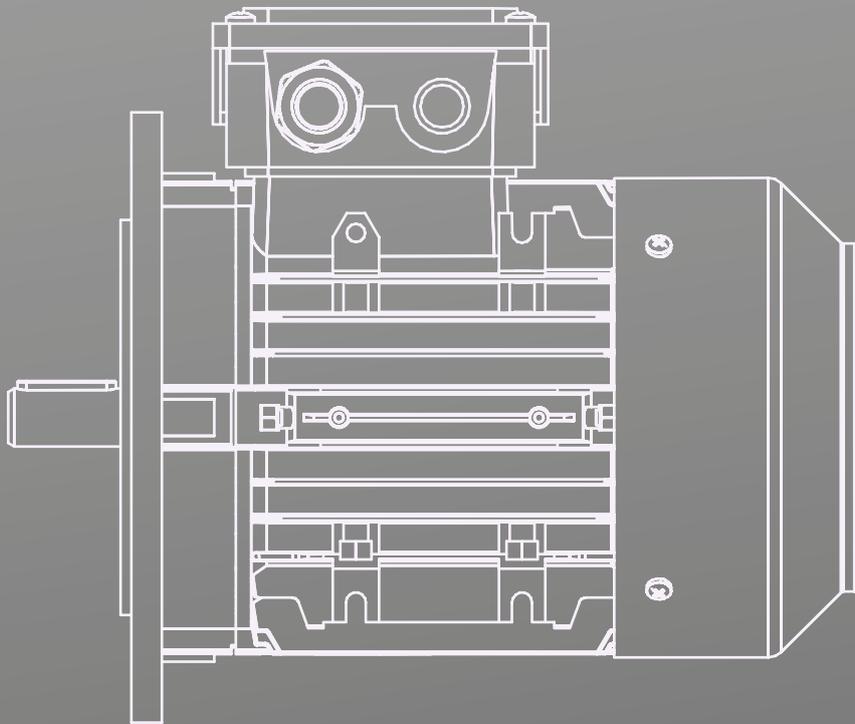
	BVW40Q	BVW50Q	BVW63Q	BVW75Q	BVW90Q	BVW110Q	BVW130Q
<i>Montaje patas / Foot dimensions</i>							
a	70	80	100	120	140	170	200
at	55	64	80	93	102	125	140
a2	35	40	50	60	70	85	100
b	60	70	85	90	100	115	120
c	b5	7	8	10	11	14	15
e	100	120	144	174	206	252.5	292.5
i	71	85	103	112	-	144	155
H	50	60	72	86	103	127.5	147.5
H1	71.5	84	102	119	135	167.5	187.5
m	78	92	112	120	140	155	170
n	14	18	18	20	28	144	155
p	121.5	144	174	205	238	295	335
S	6.5	8.5	8.5	11	13	14	16
ME	40	50	63	75	90	110	130
<i>Montaje FP / FP Fixing</i>							
M	75	85	95	115	130	165	215
N(18)	60	70	80	95	110	130	180
NI	36.5	43.5	53	57	67	74	81
P1	87	100	110	140	160	200	250
s1	M6 x 8	M8 x 10	M8 x 14	M8 x 14	M10 x 18	M10 x 18	M12 x 21
<i>Brida F / Flange fixing F</i>							
a3	110	125	180	200	210	280	320
a	95	110	142	170	200	260	290
b2(H8)	60	70	115	130	152	170	180
e2	87	90	150	165	175	230	255
s2	9	11	14	14	14	8 x 14	8 x 16
H2	67	90	82	111	111	131	140
c1	7	9	10	13	13	15	15
f1	4	5	6	6	6	6	6
<i>Brida FL / Flange fixing FL</i>							
a5		110	125	180	-	-	-
a2		95	110	142	-	-	-
b4(H8)	60	70	115	-	-	-	-
e4	75	85	150	-	-	-	-
s4	9	11	11	-	-	-	-
H4	97	120	112	-	-	-	-
c3	7	9	10	-	-	-	-
f3	4	5	6	-	-	-	-
<i>Ejes huecos / Output shaft bores</i>							
dH(H7)	18 (19)	25 (24)	25 (28)	28	35	42	45
tH	20.8	28.3	28.3	31.3	38.3	45.3	48.8
uH	6 (6)	8 (8)	8 (8)	10 (8)	10 (10)	12	14
m	78	92	112	120	140	155	170
T	26	30	36	40	45	50	60
<i>Variador / Variator</i>							
Size	02	02 05	05 10	10 20 20	10 20 20	10 20 20 30/40 40	20 20 30/40 40
k4	183	193 190	205 234	252 260 301	269 277 318	307 348 368 368 368	368 368 388 388
w1	118	128 140	153 170	182 177 177	197 192 192	212 232 232 260 260	252 252 280 280
r	110	110 110	110 120	120 150 150	120 150 150	120 150 150 160 160	150 150 160 160
r1	110	110 110	110 120	120 - -	120 - -	120 - - - -	- - - -
v	135	145 154	169 181	198 208 228	215 225 245	245 255 275 291 291	275 295 311 311
w	85	85 85	85 110	110 110 110	110 110 110	110 110 110 110 110	110 110 110 110
<i>Dimensiones del motor / Motor dimensions</i>							
kw (4 POLE)	0.18	0.18 0.18	0.37 0.55	0.55 1.1 1.5	0.55 1.1 1.5	0.75 1.1 1.5 2.2 4.0	1.1 1.5 2.2 4.0
	-	- -	- 0.75	0.75 - -	0.75 - -	- - - 3.0 -	- - 3.0 -
x	191	191 201	201 230	230 247 272	230 247 272	230 247 272 305 305	247 272 305 323
y	121	121 139	139 156	156 176 176	156 176 176	156 176 176 194 194	176 176 194 218

6.4. DIMENSIONES TIPO B5



TIPO	B	D(j6)	C	G	G3	E	H	M	M1	N	O	O1	P	T	C1	KA	KB	KC	KD	KD1	KE	b	t	X	Y	Z
BV02 0.12B5	23	11	50	112.5	64.5	70	72	115	60	95	9	M6	140	3.5	46	71	111	78	110	110	85	4	12.5	200	120	10
BV02 0.18B5																										
BV05 0.25B5	30	14	40	107	74	80	90	130	77	110	9	M8	160	3.6	53	71	123	83	110	110	85	5	16	227	141	10
BV05 0.37B5																										
BV10 0.55B5	40	19	58	131	85.5	100	98	165	84	130	11	M8	200	3.5	60	79	140	103	120	120	110	6	21.5	268	160	15
BV10 0.75B5																										
BV20 1.1B5	40	24	-	147	95	98	207	165	-	130	11	-	200	3.5	-	-	124	109	135	-	110	8	27	265	195	15
BV20 1.5B5																										
BV30 2.2B5	60	28	-	208	131	150	270	215	-	180	15	-	250	4	-	-	188	158	166	-	110	8	31	320	15	25
BV40 3.0B5	60	28	-	208	131	150	270	215	-	180	15	-	250	4	-	-	188	158	166	-	110	8	31	340	215	25
BV40 4.0B5																									240	

07

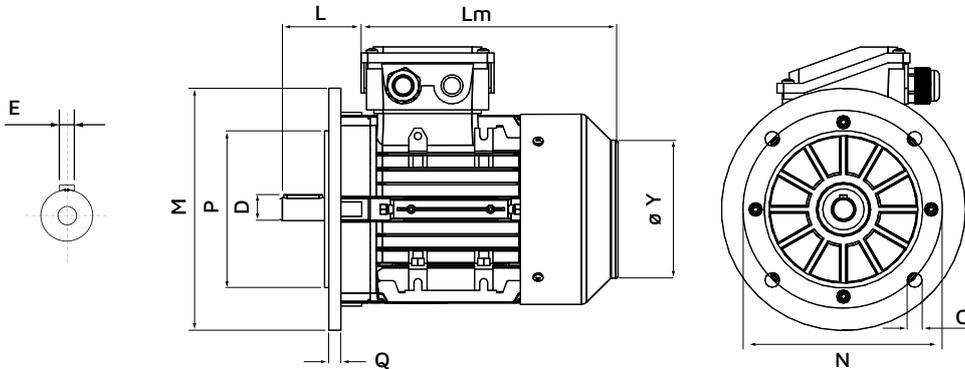


MOTORES ELÉCTRICOS

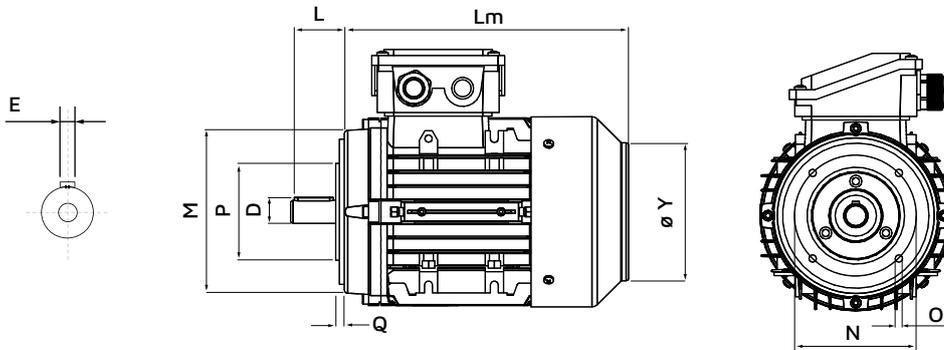
7.1. DIMENSIONES MOTORES ELÉCTRICOS

Dimensiones y datos técnicos / Dimensions and technical data

B5



B14



TIPO	2 Polos			4 Polos			6 Polos			B5-B14				B5				B14				Kg			
	kW	Nm	A	kW	Nm	A	kW	Nm	A	D	E	L	Lm	Y	P	N	M	O	Q	P	N		M	O	Q
56 A	0.09	0.3	0.38	0.06	0.4	0.38	-	-	-	9	3	20	169	107	80	100	120	9	2.5	50	65	80	M5	2.5	2.7
56 B	0.12	0.5	0.53	0.09	0.6	0.43	-	-	-																
63 A	0.18	0.6	0.58	0.12	1.0	0.57	0.09	1.0	0.54	11	4	23	191	123	95	115	140	9.5	3	60	75	90	M5	2.5	3.8
63 B	0.25	0.9	0.90	0.18	1.4	0.65	0.12	1.4	0.67																
71 A	0.37	1.2	1.0	0.25	1.7	0.86	0.18	1.9	0.75	14	5	30	213	142	110	130	160	9.5	3.5	70	85	105	M6	3	5.9
71 B	0.55	1.9	1.5	0.37	2.6	1.3	0.25	2.8	0.9																
80 A	0.75	2.5	1.8	0.55	3.9	1.6	0.37	4.0	1.4	19	6	40	237	160	130	165	200	11.5	3.5	80	100	120	M6	3	8.5
80 B	1.1	3.8	2.5	0.75	5.2	2.2	0.55	5.8	2.0																
90 S	1.5	5.0	3.9	1.1	7.8	3.0	0.75	8.0	2.2	24	8	50	257	180	130	165	200	11.5	3.5	95	115	140	M8	3	12.5
90 L	2.2	7.5	5.5	1.5	10	4.0	1.1	12	3.2				282												15
90 LL	-	-	-	1.8	12	5.2	-	-	-				282												17
100 LA	3	10	6.4	2.2	15	5.9	1.5	15	4.3	28	8	60	313	198	180	215	250	13	4	110	130	160	M8	3.5	20
100 LB	-	-	-	3	20	7.5	1.8	19	5.0				313	22											
112 M	4	13.8	9.0	4	27	9.6	2.2	23	5.8	28	8	60	332	224	180	215	250	13	4	110	130	160	M8	3.5	35
132 S	5.5	18	12.7	5.5	37	12.4	3	31	7.2				38	10											80
	7.5	25	17.0							402	51														
132 M	9.2	30	18.5	7.5	50	16	4	42	10.8	38	10	80	402	252	230	230	300	14	4	-	-	-	-	-	51
132 L	-	-	-	9.2	62	19.5	5.5	56	14.0				402												61
160 M	11	37	24	11	74	25	7.5	74	17.0	42	12	110	491	316	250	300	350	18	5	-	-	-	-	-	102
	15	48	29										491												102
160 L	18.5	63	35	15	98	34	11	113	25	48	14	110	536	360	250	300	350	18	5	-	-	-	-	-	115
180 M	22	75	42	18.5	123	41	-	-	-				555												121
180 L	-	-	-	22	147	45	15	150	31	48	14	110	597	360	250	300	350	18	5	-	-	-	-	-	140
200 L	-	-	-	30	195	56	18.5	196	37				55												14
	-	-	-	-	-	-	-	22	233	43	745	250													



ESPECIALISTAS EN TRANSMISIÓN DE POTENCIA

Desde 1962
estamos presentes
aportando soluciones
y **el mejor servicio**
a la industria.

Allá donde mires. nos
podrás encontrar.
Muchas veces visible y
otras ocultos. pero
siempre trabajando
para mejorar la
productividad.
eficiencia y
rendimiento.





Parque Empresarial Cervelló
C/Macabeo. 10
08758 - Cervelló (Barcelona)
Tlf +34 936 630 740
comercial@brownadvance.com
www.brownadvance.com