

WTEX

POWER TRANSMISSION



**MRC-SERIES
HELICAL GEAR MOTOR**

RATIO AND IEC MOTOR ADAPTERS

MRC..01..P(IEC)				
i	63B5	71B5 71B14	80B5 80B14	90B5 90B14
53.33				
45.89				
40.10				
35.47				
28.50				
23.56				
(20.75)				
19.83				
17.86				
(15.6)				
14.62				
13.80*				
11.90				
(11.1)				
9.81				
9.17				
7.72				
5.69				
4.63				
3.82				

MRC..02..P(IEC)				
i	63B5	71B5 71B14	80B5 80B14	90B5 90B14
54.00*				
46.46*				
40.60*				
35.91*				
28.88*				
23.85*				
20.08*				
(19.87)				
17.10				
(14.94)				
14.81*				
13.21				
12.05				
(10.63)*				
9.93				
8.78				
7.39				
5.45				
4.43				
3.66				

MRC..03..P(IEC)					
i	71B5	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
51.30*					
44.18*					
38.63					
34.20*					
30.57					
24.99					
21.15*					
19.24*					
18.21*					
(15.93)					
15.30*					
(14.10)*					
13.30*					
12.60					
10.93*					
(10.3)					
9.08					
7.93*					
6.31					
5.48					
4.50					
3.74					

MRC..04..P(IEC)				
i	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
51.30*				
44.18*				
38.63				
34.20*				
30.57				
24.99				
21.15*				
19.24*				
(18.21)*				
(15.93)				
15.30*				
(14.10)*				
13.30*				
12.60				
10.93*				
(10.30)				
9.08				
7.93*				
6.31				
5.48				
4.50				
3.74				

* Finite gear unit reduction ratio

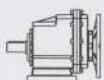
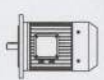
() Barely suitable speed ratio

MRC SERIES HELICAL GEAR MOTOR

GEAR UNIT SELECTION TABLES

MRC..P(IEC)..Performance parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	fs			Page
0.12	26.3	42	53.33	2.9	MRC01 63B5	6314	13
	30.5	36	45.89	3.3	MRCF01 63B5	6314	13
	34.9	32	40.10	3.8	MRCZ01 63B5	6314	13
	39.5	28	35.47	4.3			
	49.1	22	28.50	5.4			
	59.4	18.5	23.56	6.5			
	70.6	15.6	19.83	7.7			
	78.4	14	17.86	7.1			
	95.8	11.5	14.62	10.4			
	101	10.8	13.80*	9.2			
	118	9.4	11.90	12.8			
	143	7.7	9.81	13.0			
	153	7.2	9.17	11.1			
	181	6.1	7.72	13.2			
	246	4.5	5.69	13.4			
	302	3.6	4.63	16.5			
	366	3	3.82	20.0			
0.18	16.9	98	53.33	1.2	MRC01 71B5	7116	13
	19.6	84	45.89	1.4	MRCF01 71B5	7116	13
	22.4	74	40.10	1.6	MRCZ01 71B5	7116	13
	25.4	65	35.47	1.8			
	31.6	52	28.50	2.3			
	26.3	63	53.33	1.9	MRC01 63B5	6324	13
	30.5	54	45.89	2.2	MRCF01 63B5	6324	13
	34.9	47	40.10	2.5	MRCZ01 63B5	6324	13
	39.5	42	35.47	2.9			
	49.1	34	28.50	3.6			
	59.4	28	23.56	4.3			
	70.6	23	19.83	5.1			
	78.4	21	17.86	4.8			
	95.8	17.2	14.62	7.0			
	101	16.3	13.80*	6.1			
	118	14	11.9	8.6			
	143	11.6	9.81	8.6			
	153	10.8	9.17	7.4			
	181	9.1	7.72	8.8			
	246	6.7	5.69	8.9			
	302	5.5	4.63	11.0			
	366	4.5	3.82	13.3			
	16.7	99	54.00*	2.0	MRC02 71B5	7116	15
	19.4	85	46.46*	2.3	MRCF02 71B5	7116	15
	22.2	74	40.60*	2.7	MRCZ02 71B5	7116	15
	25.1	66	35.91*	3.0			
	31.2	53	28.88*	3.8			
	25.9	64	54.00*	3.1	MRC02 63B5	6324	15
	30.4	55	46.46*	3.7	MRCF02 63B5	6324	15
	34.5	48	40.60*	4.2	MRCZ02 63B5	6324	15

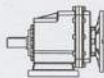
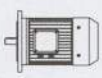
P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	f_s			Page		
0.25	16.9	136	53.33	0.88	MRC01	71B5/B14	7126	13	
	19.6	117	45.89	1	MRCF01	71B5/B14	7126	13	
	22.4	102	40.1	1.2	MRCZ01	71B5/B14	7126	13	
	25.4	90	35.47	1.3					
	31.6	73	28.5	1.7					
	26.3	87	53.33	1.4	MRC01	71B5/B14	7126	13	
	30.5	75	45.89	1.6	MRCF01	71B5/B14	7126	13	
	34.9	66	40.1	1.8	MRCZ01	71B5/B14	7126	13	
	39.5	58	35.47	2.1					
	49.1	47	28.5	2.6					
	59.4	39	23.56	3.1					
	70.6	32	19.83	3.7					
	78.4	29	17.86	3.4					
	95.8	24	14.62	5					
	101	23	13.80*	4.4					
	118	19.5	11.9	6.2					
	143	16.1	9.81	6.2					
	153	15	9.17	5.3					
	181	12.6	7.72	6.3					
	246	9.3	5.69	6.4					
	302	7.6	4.63	7.9					
	366	6.3	3.82	9.6					
	16.7	138	54.00*	1.5		MRC02	71B5/B14	7126	15
	19.4	118	46.46*	1.7		MRCF02	71B5/B14	7126	15
	22.2	103	40.60*	1.9		MRCZ02	71B5/B14	7126	15
	25.1	91	35.91*	2.2					
	31.2	74	28.88*	2.7					
	25.9	88	54.00*	2.3		MRC02	71B5/B14	7114	15
	30.1	76	46.46*	2.6		MRCF02	71B5/B14	7114	15
	34.5	66	40.60*	3		MRCZ02	71B5/B14	7114	15
	39	59	35.91*	3.4					
	48.5	47	28.88*	4.2					
0.37	22.4	151	40.10*	0.79	MRC01	80B5/B14	8016	13	
	25.4	134	35.47*	0.9	MRCF01	80B5/B14	8016	13	
	31.6	107	28.50*	1.1	MRCZ01	80B5/B14	8016	13	
	38.2	89	23.56*	1.4					
	26.3	129	53.33	0.93	MRC01	71B5/B14	7124	13	
	30.5	111	45.89	1.1	MRCF01	71B5/B14	7124	13	
	34.9	97	40.1	1.2	MRCZ01	71B5/B14	7124	13	
	39.5	86	35.47	1.4					
	49.1	69	28.5	1.7					
	59.4	57	23.56	2.1					
	70.6	48	19.83	2.5					
	78.4	43	17.86	2.3					
	95.8	35	14.62	3.4					
	101	33	13.80*	3					
	118	29	11.9	4.2					
	143	24	9.81	4.2					
	153	22	9.17	3.6					
	181	19	7.72	4.3					
	246	14	5.69	4.4					
	302	11	4.63	5.3					
	366	9	3.82	6.5					

MRC SERIES HELICAL GEAR MOTOR

P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	f_s			Page	
0.37	16.7	204	54.00*	1	MRC02	80B5/B14	8016	15
	19.4	175	46.46*	1.1	MRCF02	80B5/B14	8016	15
	22.2	153	40.60*	1.3	MRCZ02	80B5/B14	8016	15
	25.1	135	35.91*	1.5				
	31.2	109	28.88*	1.8				
	25.9	131	54.00*	1.5	MRC02	71B5/B14	7124	15
	30.1	113	46.46*	1.8	MRCF02	71B5/B14	7124	15
	34.5	98	40.60*	2	MRCZ02	71B5/B14	7124	15
	39	87	35.91*	2.3				
	48.5	70	28.88*	2.9				
	58.7	58	23.85*	3.5				
	81.9	41	17.1	3.9				
	17.5	193	51.30*	1.6	MRC03	80B5/B14	8016	17
	20.4	167	44.18*	1.8	MRCF03	80B5/B14	8016	17
	23.3	146	38.63	2.1	MRCZ03	80B5/B14	8016	17
	26.3	129	34.20*	2.3				
	29.4	115	30.57	2.6				
	27.3	124	51.30*	2.4	MRC03	71B5	7124	17
	31.7	107	44.18*	2.8	MRCF03	71B5	7124	17
	36.2	94	38.63	3.2	MRCZ03	71B5	7124	17
	40.9	83	34.20*	3.6				
0.55	31.6	160	28.5	0.75	MRC01	80B5/B14	8026	13
	38.2	132	23.56	0.91	MRCF01	80B5/B14	8026	13
	45.4	111	19.83	1.1	MRCZ01	80B5/B14	8026	13
	34.9	144	40.1	0.8	MRC01	80B5/B14	8014	13
	39.5	128	35.47	0.9	MRCF01	80B5/B14	8014	13
	49.1	103	28.5	1.2	MRCZ01	80B5/B14	8014	13
	59.4	85	23.56	1.4				
	70.6	71	19.83	1.7				
	78.4	64	17.86	1.6				
	95.8	53	14.62	2.3				
	101	50	13.80*	2				
	118	43	11.9	2.8				
	143	35	9.81	2.8				
	153	33	9.17	2.4				
	181	38	7.72	2.9				
	246	20	5.69	2.9				
	302	17	4.63	3.6				
	366	14	3.82	4.4				
	19.4	260	46.46*	0.77	MRC02	80B5/B14	8026	15
	22.2	227	40.60*	0.88	MRCF02	80B5/B14	8026	15
	25.1	201	35.91*	1	MRCZ02	80B5/B14	8026	15
	31.2	162	28.88*	1.2				
	37.7	134	23.85*	1.5				
	25.9	194	54.00*	1.0	MRC02	80B5/B14	8014	15
	30.1	167	46.46*	1.2	MRCF02	80B5/B14	8014	15
	34.5	146	40.60*	1.4	MRCZ02	80B5/B14	8014	15
	39	129	35.91*	1.5				
	48.5	104	28.88*	1.9				
	58.7	86	23.85*	2.3				

P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	f_s			Page	
0.55	69.7	72	20.08*	2.8	MRC02	80B5/B14	8014	15
	81.9	62	17.10	2.6	MRCF02	80B5/B14	8014	15
	94.5	53	14.81*	3.7	MRCZ02	80B5/B14	8014	15
	17.5	287	51.30*	1.0	MRC03	80B5/B14	8026	17
	20.4	248	44.18*	1.2	MRCF03	80B5/B14	8026	17
	23.3	216	38.63	1.4	MRCZ03	80B5/B14	8026	17
	26.3	192	34.20*	1.6				
	29.4	171	30.57	1.8				
	27.3	185	51.30*	1.6	MRC02	80B5/B14	8014	15
	21.7	159	44.18*	1.9	MRCF02	80B5/B14	8014	15
	36.2	139	38.63	2.2	MRCZ02	80B5/B14	8014	15
	40.9	123	34.20*	2.4				
	45.8	110	30.57	2.7				
	56.0	90	24.99	3.3				
0.75	49.1	140	28.50	0.86	MRC01	80B5/B14	8024	13
	59.4	116	23.56	1.0	MRCF01	80B5/B14	8024	13
	70.6	97	19.83	1.2	MRCZ01	80B5/B14	8024	13
	78.4	88	17.86	1.1				
	95.8	72	14.62	1.7				
	101	68	13.80*	1.5				
	118	58	11.90	2.1				
	143	48	9.81	2.1				
	153	45	9.17	1.8				
	181	38	7.72	2.1				
	246	28	5.69	2.1				
	302	23	4.63	2.6				
	366	19	3.82	3.2				
	31.2	221	28.88*	0.91	MRC02	90B5/B14	90S6	15
	37.7	182	23.85*	1.1	MRCF02	90B5/B14	90S6	15
	44.8	153	20.08*	1.3	MRCZ02	90B5/B14	90S6	15
	30.1	228	48.46*	0.88	MRC02	80B5/B14	8024	15
	34.5	199	40.60*	1.0	MRCF02	80B5/B14	8024	15
	39.0	176	35.91*	1.1	MRCZ02	80B5/B14	8024	15
	48.5	142	28.88*	1.4				
	58.7	117	23.85*	1.7				
	69.7	99	20.08*	2.0				
	81.9	84	17.10	1.9				
	94.5	73	14.81*	2.7				
	106	65	13.21*	2.5				
	116.2	59	12.05	3.4				
	141	49	9.93	3.3				
	159	43	8.78	2.8				
	189	36	7.39	3.3				
	257	27	5.45	3.7				
	97.0	71	28.88*	2.8	MRC02	80B5/B14	8012	15
	117.4	59	23.85*	3.4	MRCF02	80B5/B14	8012	15
	139.4	49	20.08*	4.1	MRCZ02	80B5/B14	8012	15
	163.7	42	17.10	3.8				

MRC SERIES HELICAL GEAR MOTOR

P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	f_s			Page	
0.75	17.5	392	51.30*	0.77	MRC03	90B5/B14	90S6	17
	20.4	338	44.18*	0.89	MRCF03	90B5/B14	90S6	17
	23.3	295	38.63	1.0	MRCZ03	90B5/B14	90S6	17
	26.3	261	34.20*	1.1				
	29.4	234	30.57*	1.3				
	36.0	191	24.99	1.6				
	27.3	252	51.30*	1.2	MRC03	80B5/B14	8024	17
	31.7	217	44.18*	1.4	MRCF03	80B5/B14	8024	17
	36.2	190	38.63	1.6	MRCZ03	80B5/B14	8024	17
	40.9	168	34.20*	1.8				
	45.8	150	30.57	2.0				
	56.0	123	24.99	2.4				
	66.2	104	21.15*	2.7				
	72.8	94	19.24*	3.0				
	76.9	89	18.21*	3.1				
	91.5	75	15.30*	3.7				
	105	65	13.30*	3.8				
	111	62	12.60	4.0				
	17.5	392	51.30*	1.3	MRC04	90B5/B14	90S6	19
	20.4	338	44.18*	1.5	MRCF04	90B5/B14	90S6	19
	23.3	295	38.63	1.7	MRCZ04	90B5/B14	90S6	19
	26.3	261	34.20*	1.8				
	29.4	234	30.57*	2.1				
	27.3	252	51.30*	2.0	MRC04	80B5/B14	8024	19
	31.7	217	44.18*	2.3	MRCF04	80B5/B14	8024	19
	36.2	190	38.63	2.6	MRCZ04	80B5/B14	8024	19
	40.9	168	34.20*	2.9				
	45.8	150	30.57	3.2				
	56.0	123	24.99	3.9				
	66.2	104	21.15*	4.0				
1.1	70.6	143	19.83	0.84	MRC01	90B5/B14	90S4	13
	78.4	129	17.86	0.78	MRCF01	90B5/B14	90S4	13
	95.8	105	14.62	1.1	MRCZ01	90B5/B14	90S4	13
	101	99	13.80*	1.0				
	118	86	11.90	1.4				
	143	71	9.81	1.4				
	153	66	9.17	1.2				
	181	56	7.72	1.4				
	246	41	5.69	1.5				
	302	33	4.63	1.8				
	366	28	3.82	2.2				
	285	35	9.81	2.8	MRC01	80B5/B14	8022	13
	305	33	9.17	2.4	MRCF01	80B5/B14	8022	13
	363	28	7.72	2.9	MRCZ01	80B5/B14	8022	13
	492	20	5.69	2.9				
	605	17	4.63	3.6				
	733	14	3.82	4.4				
	39.0	259	35.91*	0.77	MRC02	90B5/B14	90S4	15
	48.5	208	28.88*	1.0	MRCF02	90B5/B14	90S4	15
	58.7	172	23.85*	1.2	MRCZ02	90B5/B14	90S4	15
	69.7	145	20.08*	1.4				
	81.9	123	17.10	1.3				

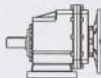
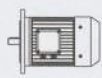
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	fs			Page	
1.1	94.5	107	14.81*	1.9	MRC02	90B5/B14	90S4	15
	106	95	13.21	1.7	MRCF02	90B5/B14	90S4	15
	116	87	12.05	2.3	MRCZ02	90B5/B14	90S4	15
	141	72	9.93	2.2				
	159	63	8.78	1.9				
	189	53	7.39	2.3				
	257	39	5.45	2.5				
	316	32	4.43	3.1				
	383	26	3.66	3.8				
	27.3	370	51.30*	0.81	MRC03	90B5/B14	90S4	17
	31.7	318	44.18*	0.94	MRCF03	90B5/B14	90S4	17
	36.2	278	38.63	1.1	MRCZ03	90B5/B14	90S4	17
	40.9	246	34.20*	1.2				
	45.8	220	30.57	1.4				
	56.0	180	24.99	1.7				
	66.2	152	21.15*	1.8				
	72.8	139	19.24*	2.0				
	76.9	131	18.21*	2.1				
	91.5	110	15.30*	2.5				
	72.5	139	38.63	2.2	MRC03	80B5/B14	8022	17
	81.9	123	34.20*	2.4	MRCF03	80B5/B14	8022	17
	91.6	110	30.57	2.7	MRCZ03	80B5/B14	8022	17
	112.0	90	24.99	3.3				
	132.4	76	21.15*	3.7				
	145.5	69	19.24*	4.0				
	153.8	69	18.21*	4.3				
	27.3	370	51.30*	1.4	MRC04	90B5/B14	90S4	19
	31.7	318	44.18*	1.6	MRCF04	90B5/B14	90S4	19
	36.2	278	38.63	1.8	MRCZ04	90B5/B14	90S4	19
	40.9	246	34.20*	1.9				
	45.8	220	30.57	2.2				
	56.0	180	24.99	2.7				
	66.2	152	21.15*	2.8				
	72.8	139	19.24*	3.0				
	76.9	131	18.21*	3.2				
	91.5	110	15.30*	3.8				
	105	96	13.30	3.7				
1.5	118	117	11.90	1.0	MRC01	90B5/B14	90L4	13
	143	96	9.81	1.0	MRCF01	90B5/B14	90L4	13
	153	90	9.17	0.9	MRCZ01	90B5/B14	90L4	13
	181	76	7.72	1.1				
	246	56	5.69	1.1				
	302	45	4.63	1.3				
	366	38	3.82	1.6				
	305	45	9.17	1.8	MRC01	90B5/B14	90S2	13
	363	38	7.72	2.1	MRCF01	90B5/B14	90S2	13
	492	28	5.69	2.1	MRCZ01	90B5/B14	90S2	13
	605	23	4.63	2.6				
	733	19	3.82	3.2				

MRC SERIES HELICAL GEAR MOTOR

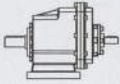
P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	f_s			Page	
1.5	58.7	234	23.85*	0.85	MRC02	90B5/B14	90L4	15
	69.7	197	20.08*	1.0	MRCF02	90B5/B14	90L4	15
	81.9	168	17.10	1.0	MRCZ02	90B5/B14	90L4	15
	94.5	145	14.81*	1.4				
	106	130	13.21	1.2				
	116	118	12.05	1.7				
	141	98	9.93	1.6				
	159	86	8.78	1.4				
	189	73	7.39	1.7				
	257	54	5.45	1.9				
	316	44	4.43	2.3				
	383	36	3.66	2.8				
	212	65	13.21	2.5	MRC02	90B5/B14	90S2	15
	232	59	12.05	3.4	MRCF02	90B5/B14	90S2	15
	282	49	9.93	3.3	MRCZ02	90B5/B14	90S2	15
	319	43	8.78	2.8				
	379	36	7.39	3.3				
	514	27	5.45	3.7				
	40.9	336	34.20*	0.89	MRC03	90B5/B14	90L4	17
	45.8	300	30.57	1.0	MRCF03	90B5/B14	90L4	17
	56.0	245	24.99	1.2	MRCZ03	90B5/B14	90L4	17
	66.2	208	21.15*	1.3				
	72.8	189	19.24*	1.5				
	76.9	179	18.21*	1.6				
	91.5	150	15.30*	1.9				
	105	131	13.30*	1.9				
	111	124	12.60	2.0				
	128	107	10.93*	1.7				
	154	89	9.08	2.0				
	177	78	7.93*	2.3				
	222	62	6.31	2.9				
	255	54	5.48	2.8				
	311	44	4.50	3.4				
	374	37	3.74	4.1				
	256	54	10.93*	3.4	MRC03	90B5/B14	90S2	17
	308	45	9.08	4.0	MRCF03	90B5/B14	90S2	17
	353	39	7.93*	4.6	MRCZ03	90B5/B14	90S2	17
	26.3	523	34.20*	0.92	MRC04	100B5/B14	100L6	19
	29.4	467	30.57	1.0	MRCF04	100B5/B14	100L6	19
	36.0	382	24.99	1.3	MRCZ04	100B5/B14	100L6	19
	27.3	504	51.30*	1.0	MRC04	90B5/B14	90L4	19
	31.7	434	44.18*	1.2	MRCF04	90B5/B14	90L4	19
	36.2	379	38.63	1.3	MRCZ04	90B5/B14	90L4	19
	40.9	336	34.20*	1.4				
	45.8	300	30.57	1.6				
	56.0	245	24.99	2.0				
	66.2	208	21.15*	2.0				
	72.8	189	19.24*	2.2				
	76.9	179	18.21*	2.3				
	91.5	150	15.30*	2.8				
	105	131	13.30*	2.7				
	111	124	12.60	2.8				
	128	107	10.93*	2.6				
	154	89	9.08	3.1				
	177	78	7.93*	3.3				

P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	f_s			Page	
2.2	72.8	277	19.24*	1.0	MRC03	100B5/B14	100L14	17
	91.5	220	15.30*	1.1	MRCF03	100B5/B14	100L14	17
	105	192	13.30*	1.3	MRCZ03	100B5/B14	100L14	17
	111	182	12.60	1.4				
	128	157	10.93*	1.1				
	154	131	9.08	1.4				
	177	114	7.93*	1.6				
	222	91	6.31	2.0				
	255	79	5.48	1.9				
	311	65	4.50	2.3				
	374	54	3.74	2.8				
	308	65	9.08	2.8	MRC03	90B5/B14	90L2	17
	353	57	7.93*	3.2	MRCF03	90B5/B14	90L2	17
	444	45	6.31	4.0	MRCZ03	90B5/B14	90L2	17
	511	39	5.48	3.8				
	36.0	560	24.99	0.86	MRC04	112B5/B14	112M6	19
	46.8	431	19.24*	1.0	MRCF04	112B5/B14	112M6	19
					MRCZ04	112B5/B14	112M6	19
	40.9	493	34.20*	1.0	MRC04	100B5/B14	100L14	19
	45.8	440	30.57	1.1	MRCF04	100B5/B14	100L14	19
	56.0	360	24.99	1.3	MRCZ04	100B5/B14	100L14	19
	72.8	277	19.24*	1.5				
	91.5	220	15.30*	1.9				
	105	192	13.30*	1.8				
	111	182	12.60	1.9				
	128	157	10.93*	1.8				
	154	131	9.08	2.1				
	177	114	7.93*	2.3				
	222	91	6.31	2.9				
	255	79	5.48	2.9				
	311	65	4.50	3.5				
	374	54	3.74	4.3				
3	91.5	301	15.30*	0.93	MRC03	100B5/B14	100L24	17
	105	261	13.30*	1.0	MRCF03	100B5/B14	100L24	17
	111	248	12.60	1.0	MRCZ03	100B5/B14	100L24	17
	128	215	10.93*	0.8				
	154	178	9.08	1.0				
	177	156	7.93*	1.2				
	222	124	6.31	1.5				
	255	108	5.48	1.4				
	311	88	4.50	1.7				
	374	73	3.74	2.0				
	45.8	601	30.57	0.80	MRC04	100B5/B14	100L24	19
	56.0	491	24.99	1.0	MRCF04	100B5/B14	100L24	19
	72.8	378	19.24*	1.1	MRCZ04	100B5/B14	100L24	19
	91.5	301	15.30*	1.4				
	105	261	13.30*	1.3				
	111	248	12.60	1.4				
	128	215	10.93*	1.3				
	154	178	9.08	1.6				

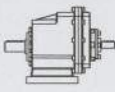
MRC SERIES HELICAL GEAR MOTOR

P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	f_s			Page	
3	177	156	7.93*	1.7	MRC04	100B5/B14	100L24	19
	222	124	6.31	2.1	MRCF04	100B5/B14	100L24	19
	255	108	5.48	2.1	MRCZ04	100B5/B14	100L24	19
	311	88	4.50	2.6				
	374	73	3.74	3.1				
	308	89	9.08	3.1	MRC04	100B5/B14	100L2	19
	353	78	7.93*	3.3	MRCF04	100B5/B14	100L2	19
	444	62	6.31	4.2	MRCZ04	100B5/B14	100L2	19
	511	54	5.48	4.3				
4	177	208	7.93*	0.87	MRC03	112B5/B14	112M4	17
	222	165	6.31	1.1	MRCF03	112B5/B14	112M4	17
	255	144	5.48	1.0	MRCZ03	112B5/B14	112M4	17
	311	188	4.50	1.3				
	374	98	3.74	1.5				
	105	348	13.30*	1.0	MRC04	112B5/B14	112M4	19
	111	330	12.60	1.1	MRCF04	112B5/B14	112M4	19
	128	286	10.93*	1.0	MRCZ04	112B5/B14	112M4	19
	154	238	9.08	1.2				
	177	208	7.93*	1.3				
	222	165	6.31	1.6				
	255	144	5.48	1.6				
	311	118	4.50	2.0				
	374	98	3.74	2.3				
	308	119	9.08	2.4	MRC04	112B5/B14	112M2	19
	353	104	7.93*	2.5	MRCF04	112B5/B14	112M2	19
	444	83	6.31	3.1	MRCZ04	112B5/B14	112M2	19
	511	72	5.48	3.2				
	622	59	4.50	3.9				

MRC..HS..Performance parameter

M_{2max} [Nm]	n_1 [r/min]	i	P_{1n} [kW]	n_2 [r/min]		Page
120	1400	53.33	0.34	26.3	MRC01 – HS	14
120	1400	45.89	0.40	30.5	MRCF01 – HS	14
120	1400	40.10	0.46	34.9	MRCZ01 – HS	14
120	1400	35.47	0.52	39.5		
120	1400	28.50	0.64	49.1		
120	1400	23.56	0.78	59.4		
120	1400	19.83	0.92	70.6		
100	1400	17.86	0.86	78.4		
120	1400	14.62	1.25	95.7		
100	1400	13.80*	1.10	101		
120	1400	11.90	1.54	118		
100	1400	9.81	1.56	143		
80	1400	9.17	1.34	153		
80	1400	7.72	1.58	181		
60	1400	5.69	1.61	246		
60	1400	4.63	1.98	302		
60	1400	3.82	2.40	367		
200	1400	54.00*	0.57	25.9	MRC02 – HS	16
200	1400	46.46*	0.66	30.1	MRCF02 – HS	16
200	1400	40.60*	0.75	34.5	MRCZ02 – HS	16
200	1400	35.91*	0.85	39		
200	1400	28.88*	1.06	48.5		
200	1400	23.85*	1.28	58.7		
200	1400	20.08*	1.52	69.7		
160	1400	17.10	1.43	81.9		
200	1400	14.81*	2.06	94.6		
160	1400	13.21	1.85	106		
200	1400	12.05	2.53	116		
160	1400	9.93	2.46	141		
120	1400	8.78	2.08	159		
120	1400	7.39	2.49	190		
100	1400	5.45	2.80	257		
100	1400	4.43	3.45	316		
100	1400	3.66	4.18	383		

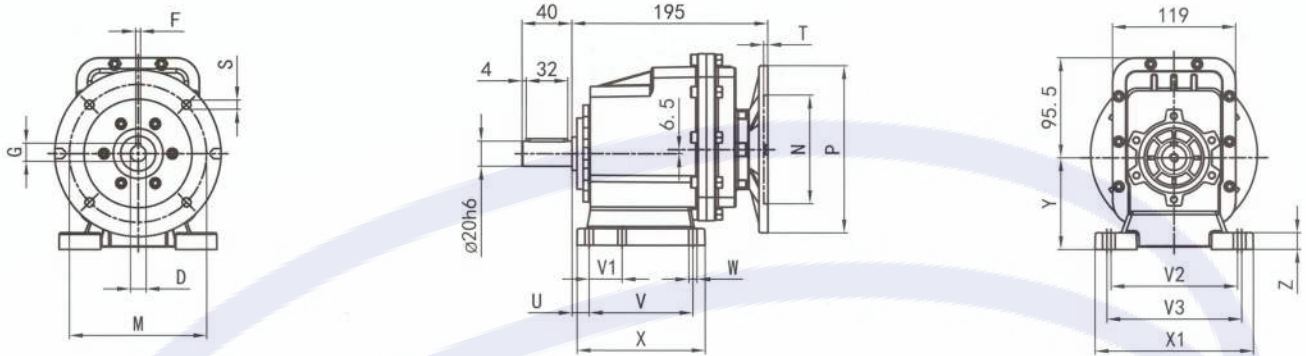
MRC SERIES HELICAL GEAR MOTOR

M_{2max} [Nm]	n_1 [r/min]	i	P_{1n} [kW]	n_2 [r/min]		Page
300	1400	51.30*	0.89	27.3	MRC03 – HS	18
300	1400	44.18*	1.04	31.7	MRCF03 – HS	18
300	1400	38.63	1.19	36.2	MRCZ03 – HS	18
300	1400	34.20*	1.34	40.9		
300	1400	30.57	1.50	45.8		
300	1400	24.99	1.83	56.0		
280	1400	21.15*	2.02	66.2		
280	1400	19.24*	2.22	72.8		
250	1400	18.21*	2.10	76.9		
280	1400	15.30*	2.79	91.5		
250	1400	13.30*	2.86	105		
250	1400	12.60	3.03	111		
180	1400	10.93*	2.51	128		
180	1400	9.08	3.02	154		
180	1400	7.93*	3.46	176		
180	1400	6.31	4.36	222		
150	1400	5.48	4.17	255		
150	1400	4.50	5.09	311		
150	1400	3.74	6.12	374		
500	1400	51.30*	1.49	27.3	MRC04 – HS	20
500	1400	44.18*	1.73	31.7	MRCF04 – HS	20
500	1400	38.63	1.98	36.2	MRCZ04 – HS	20
480	1400	34.20*	2.14	40.9		
480	1400	30.57	2.40	45.8		
480	1400	24.99	2.93	56.0		
480	1400	21.15*	2.02	66.2		
420	1400	19.24*	3.34	72.8		
420	1400	15.30*	4.19	91.5		
350	1400	13.30*	4.01	105		
350	1400	12.60	4.24	111		
280	1400	10.93*	3.91	128		
280	1400	9.08	4.70	154		
260	1400	7.93*	4.99	176		
260	1400	6.31	6.30	222		
230	1400	5.48	6.40	255		
230	1400	4.50	7.80	311		
230	1400	3.74	9.38	374		

OUTLINE DIMENSION SHEET

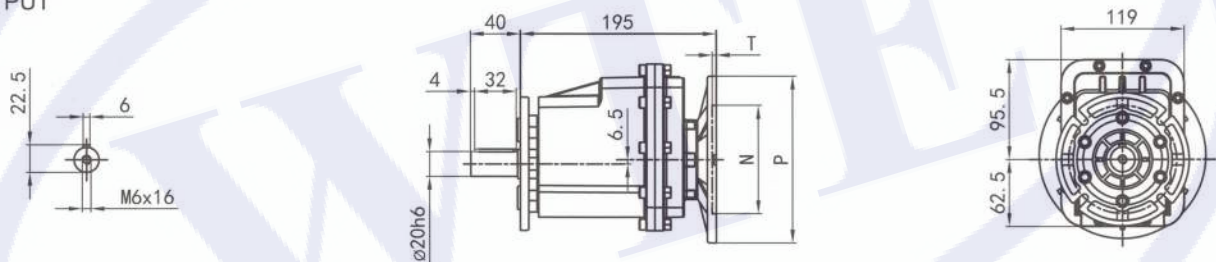
MRC 01..P(IEC)

INPUT

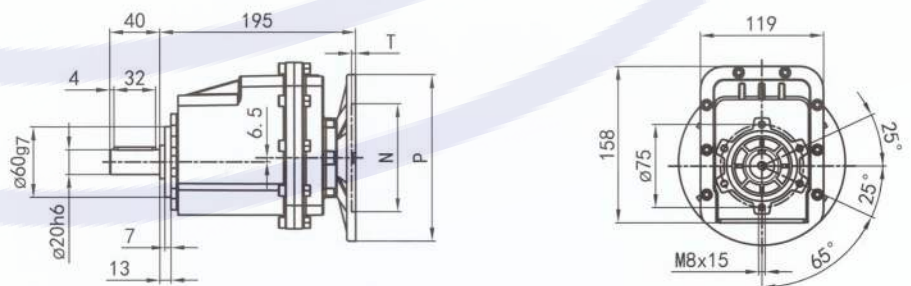


MRCF 01..P(IEC)

OUTPUT



MRCZ 01..P(IEC)



IEC	D	F	G	P	M	N	S	T
63B5	11	4	12.8	140	115	95	9	5
71B5	14	5	16.3	160	130	110	9	5
71B14	14	5	16.3	105	85	70	7	5
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5

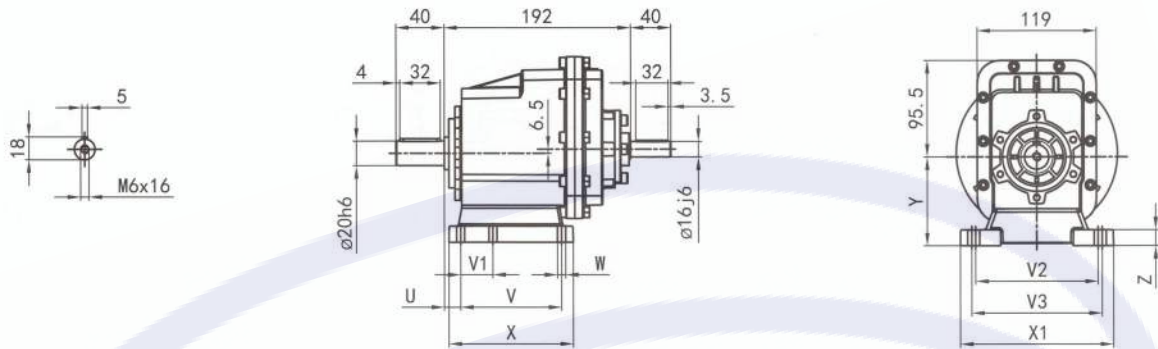
Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
B01	18	87	50	110	—	9	118	130	85	15
M01	18	80	—	110	120	9	118	145	75	15
M02	25	85	—	110	120	9	112	145	75	15
B02	18	107.5	60	—	130	11	136	155	95	17

MRC SERIES HELICAL GEAR MOTOR

OUTLINE DIMENSION SHEET

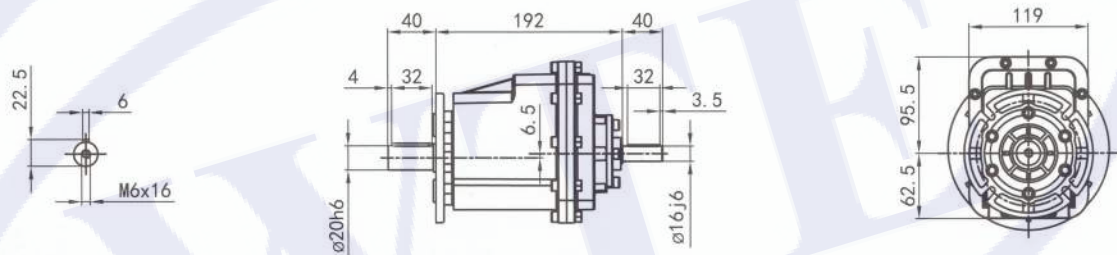
MRC 01..HS

INPUT

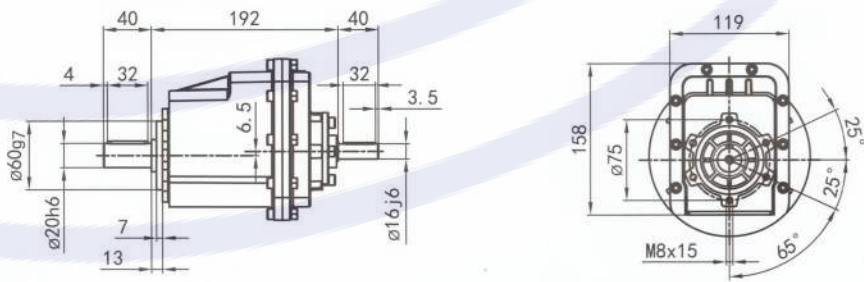


MRCF 01..HS

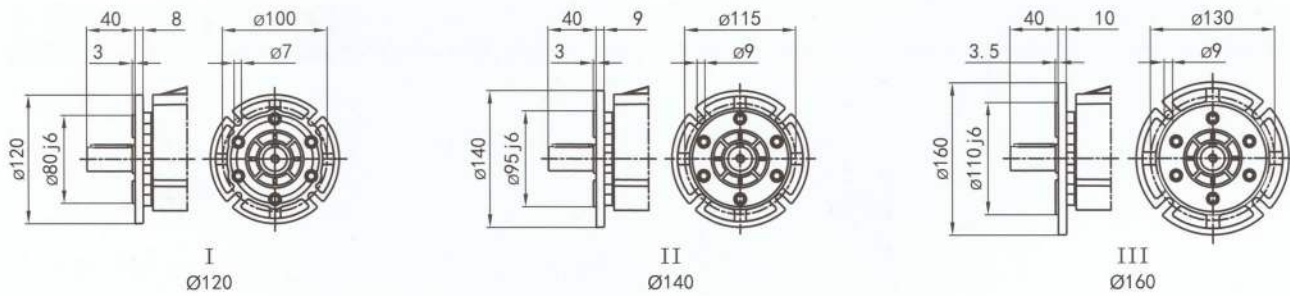
OUTPUT



MRCZ 01..HS



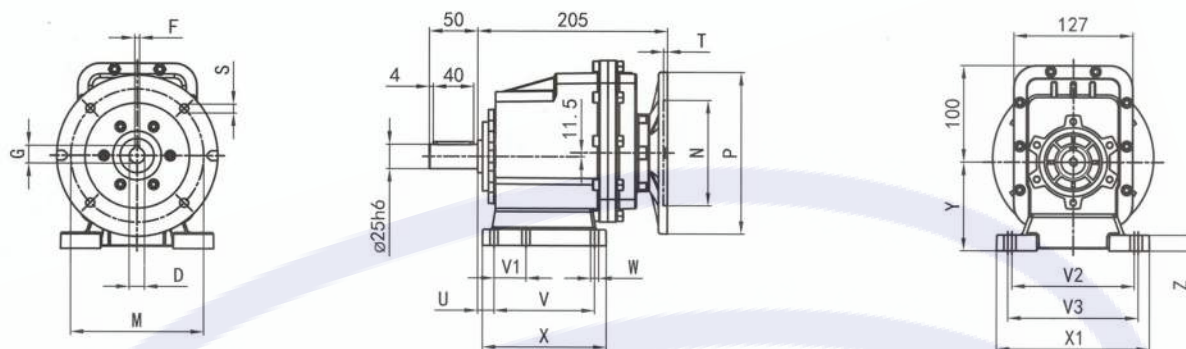
OUTPUT FLANGE



OUTLINE DIMENSION SHEET

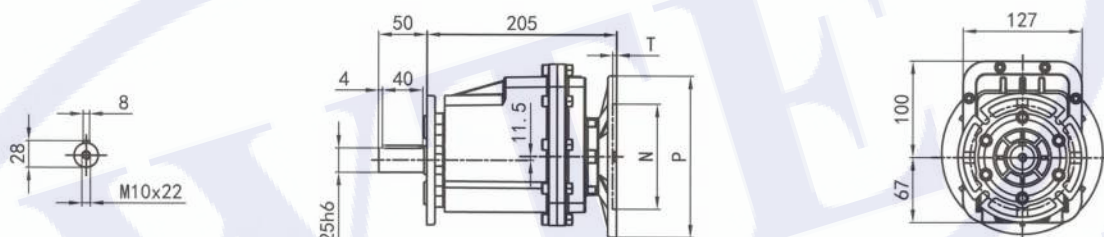
MRC 02..P(IEC)

INPUT

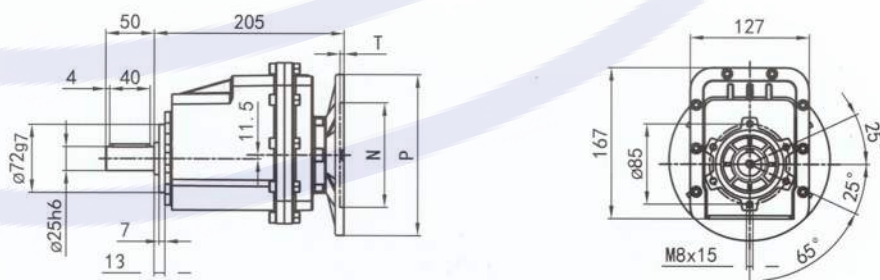


MRCF 02..P(IEC)

OUTPUT



MRCZ 02..P(IEC)



IEC	D	F	G	P	M	N	S	T
63B5	11	4	12.8	140	115	95	9	5
71B5	14	5	16.3	160	130	110	9	5
71B14	14	5	16.3	105	85	70	7	5
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5

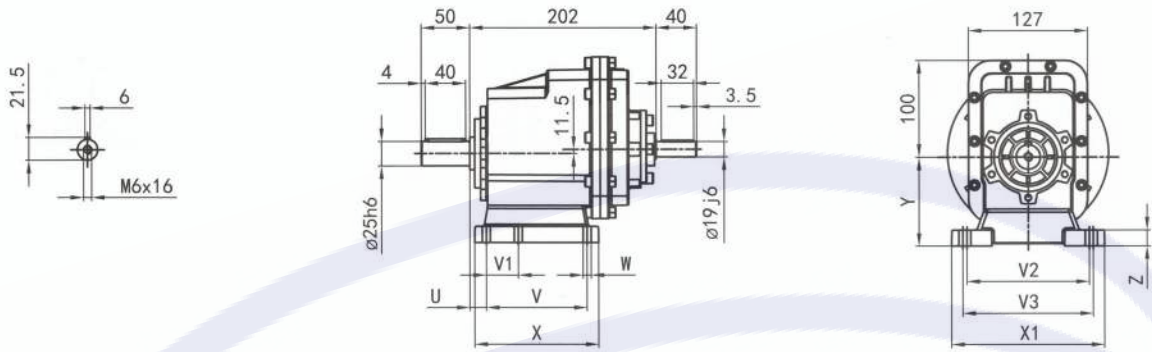
Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
B02	18	107.5	60	—	130	11	136	155	100	17
M02	25	85	—	110	120	9	112	145	80	15
M01	18	80	—	110	120	9	118	145	80	15
B01	18	87	50	110	—	9	118	130	90	15

MRC SERIES HELICAL GEAR MOTOR

OUTLINE DIMENSION SHEET

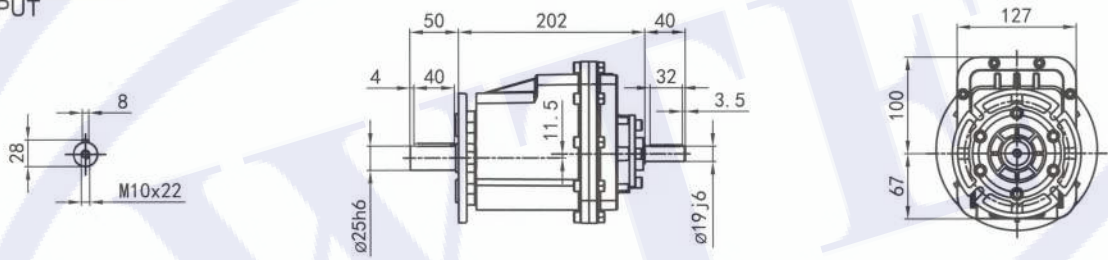
MRC 02..HS

INPUT

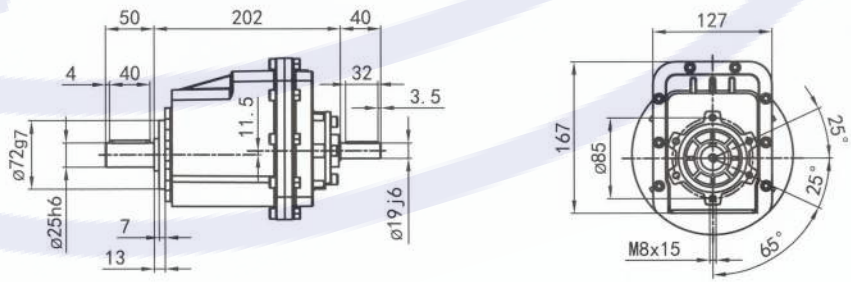


MRCF 02..HS

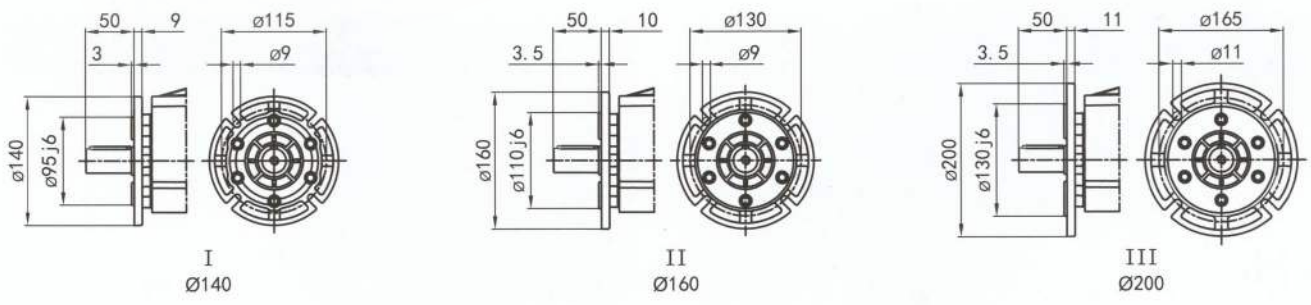
OUTPUT



MRCZ 02..HS



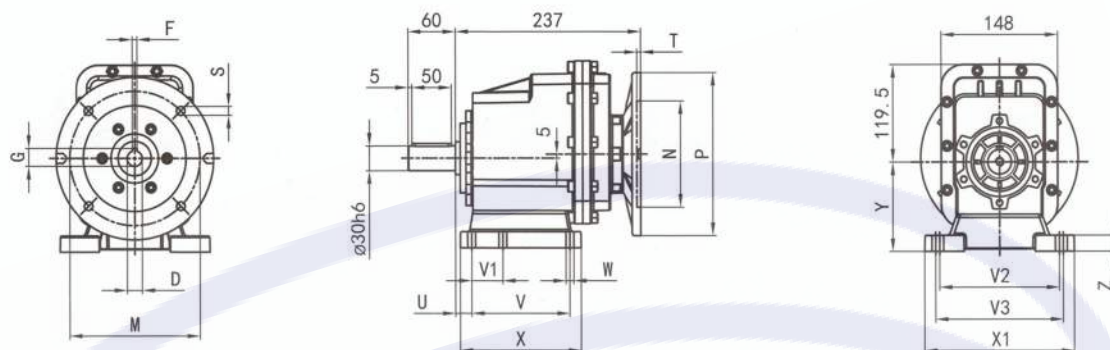
OUTPUT FLANGE



OUTLINE DIMENSION SHEET

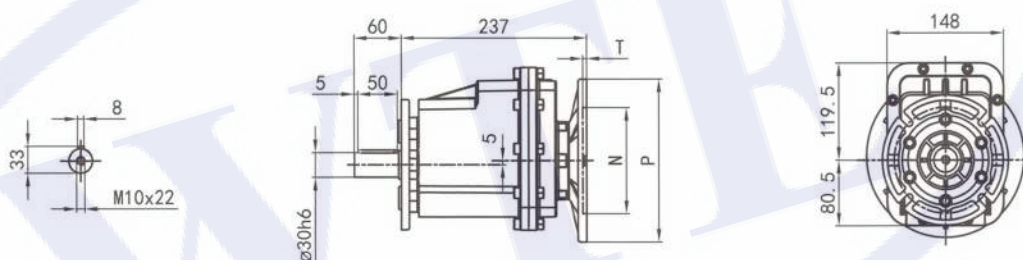
MRC 03..P(IEC)

INPUT

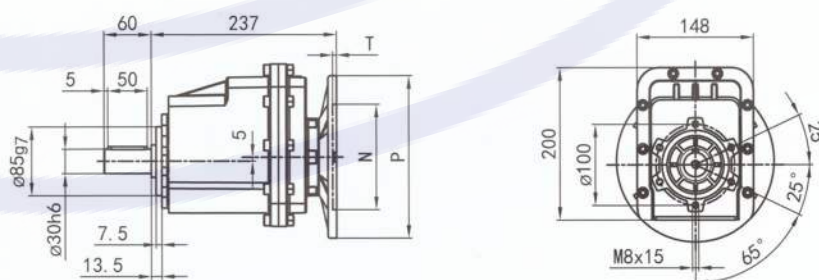


MRCF 03..P(IEC)

OUTPUT



MRCZ 03..P(IEC)



IEC	D	F	G	P	M	N	S	T
71B5	14	5	16.3	160	130	110	9	5
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5
100/112B5	28	8	31.3	250	215	180	13.5	5
100/112B14	28	8	31.3	160	130	110	9	5

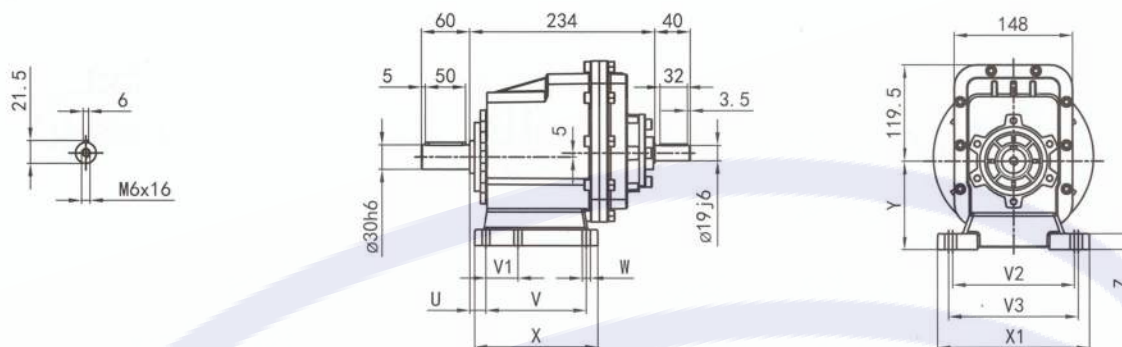
Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
B03	18	130	70	-	160	11	156	190	110	20
M03	30	100	-	135	150	11	150	190	110	18
M04	32	110	-	170	185	14	150	230	110	20
B04	20.5	130	-	170	-	14	168	205	105	20

MRC SERIES HELICAL GEAR MOTOR

OUTLINE DIMENSION SHEET

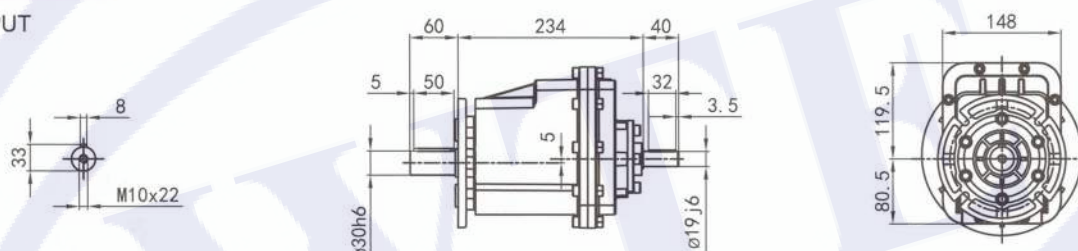
MRC 03..HS

INPUT

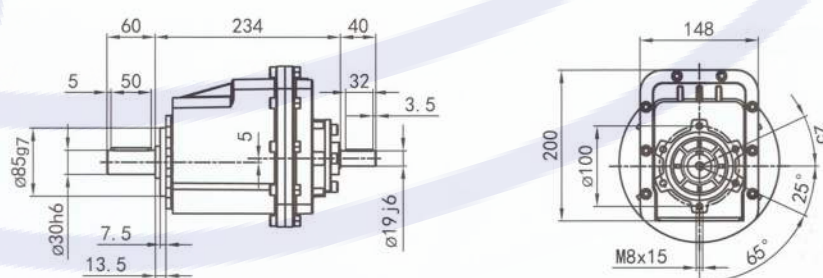


MRCF 03..HS

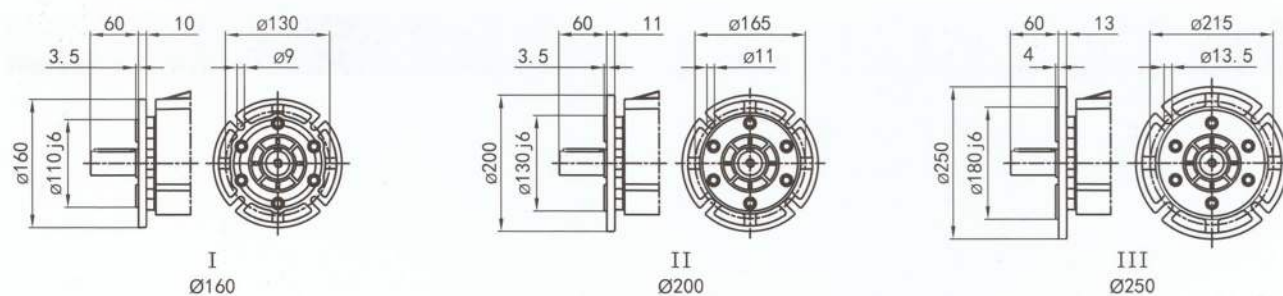
OUTPUT



MRCZ 03..HS



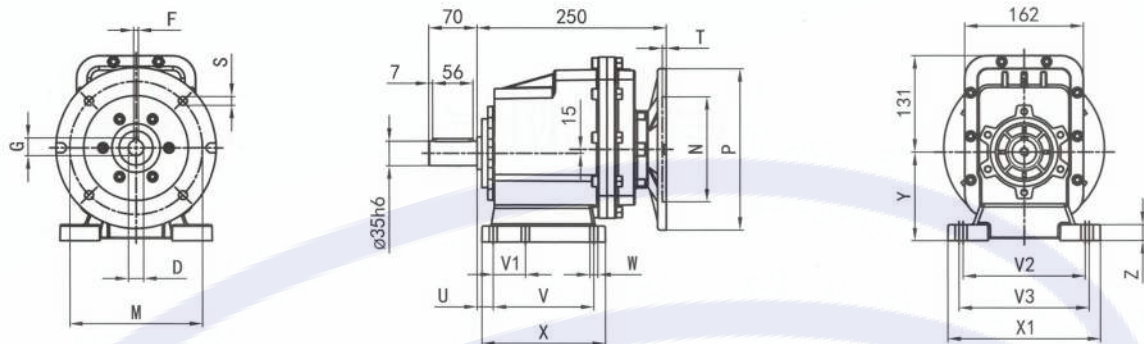
OUTPUT FLANGE



OUTLINE DIMENSION SHEET

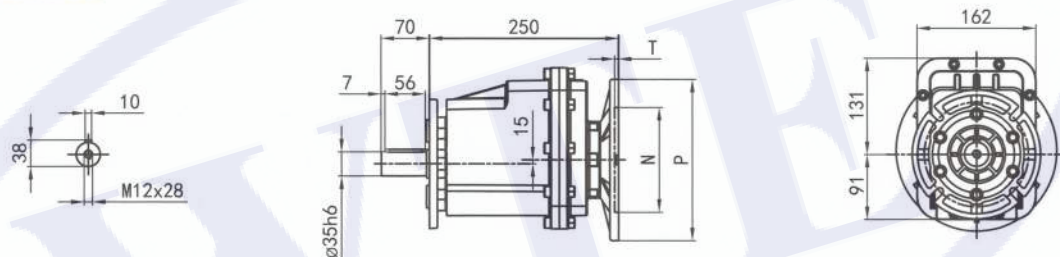
MRC 04..P(IEC)

INPUT

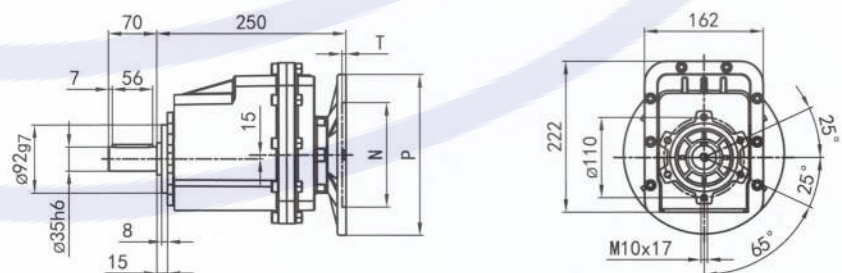


MRCF 04..P(IEC)

OUTPUT



MRCZ 04..P(IEC)



IEC	D	F	G	P	M	N	S	T
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5
100/112B5	28	8	31.3	250	215	180	13.5	5
100/112B14	28	8	31.3	160	130	110	9	5

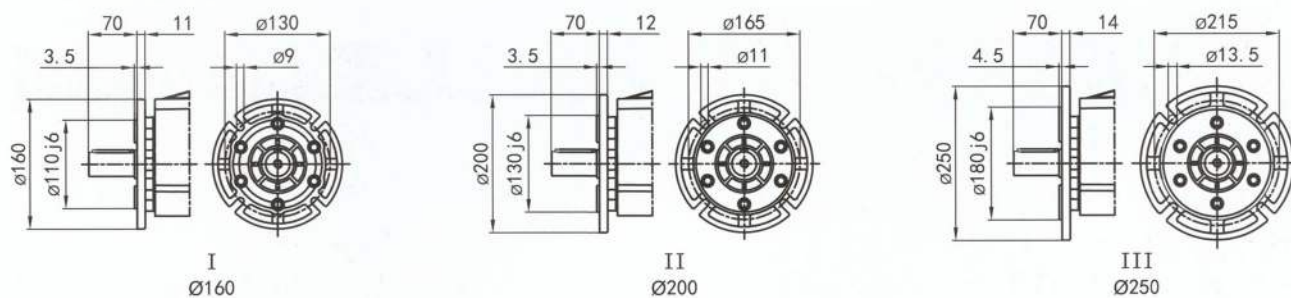
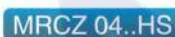
Foot Code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
B04	23.5	130	–	170	–	14	168	205	115	20
M04	35	110	–	170	185	14	150	230	120	20
M03	33	100	–	135	150	11	150	190	120	18
B03	21	130	70	–	160	11	156	190	120	20

OUTLINE DIMENSION SHEET

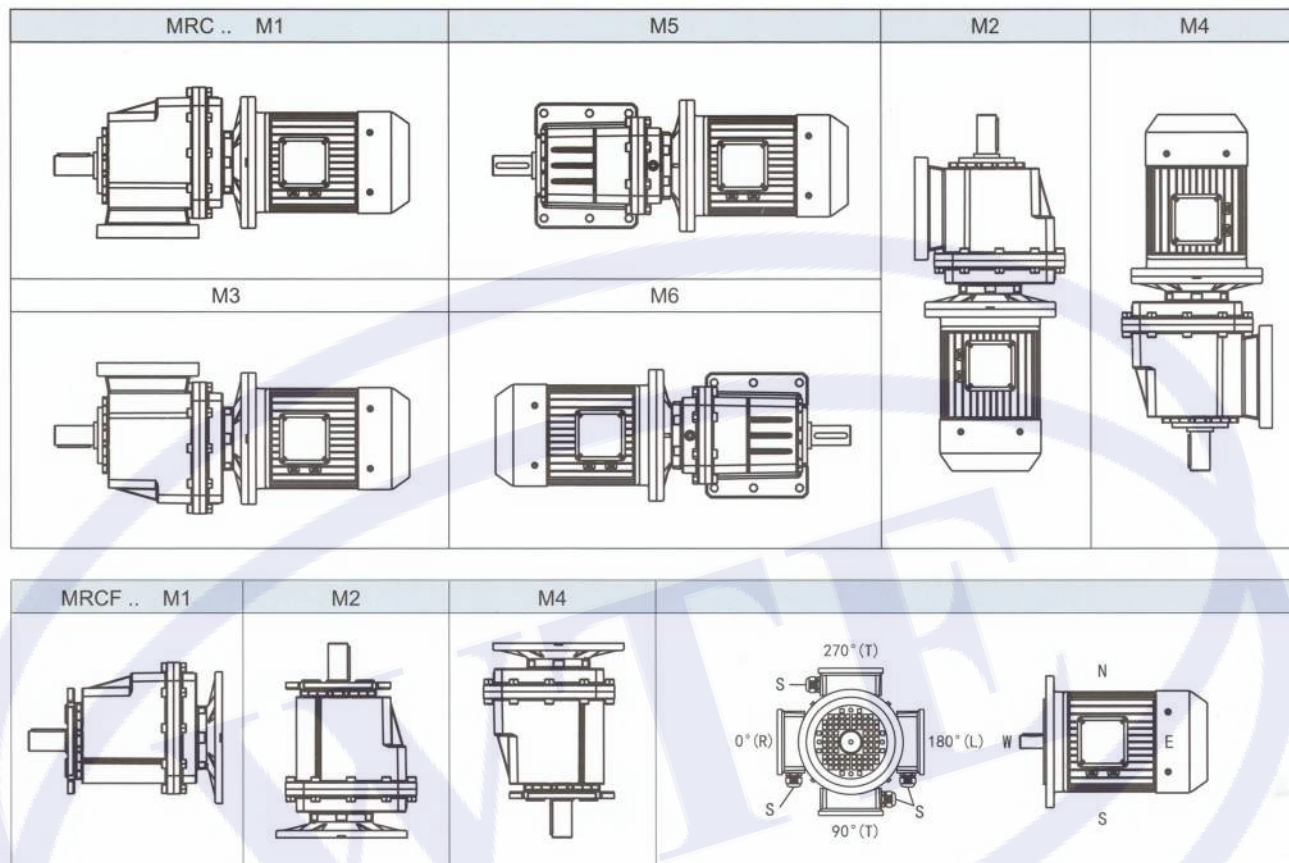
INPUT



OUTPUT



MOUNTING POSITION AND TERMINAL BOX ORIENTATION



LUBRICANT FILL QUANTITY

Gear units	Fill quantity in liters						unit: (L)
	M1	M2	M3	M4	M5	M6	
MRC..01..	0.4	0.6	0.4	0.3	0.3	0.3	
MRC..02..	0.5	0.7	0.5	0.4	0.4	0.4	
MRC..03..	0.8	1.1	0.8	0.6	0.6	0.6	
MRC..04..	1.2	1.6	1.0	1.0	0.9	0.9	

The quantity in the table is referenced, the exact value relating to the ratio. All MRC Series helical gear units are filled with life lubrication before delivery, do not need to change it in general.