

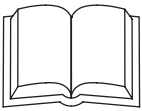
**- SERIE MRDV -**

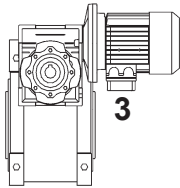
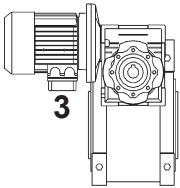
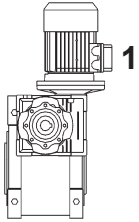
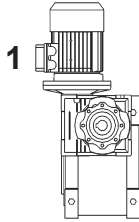
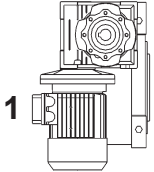
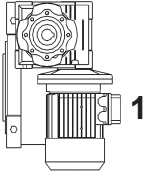
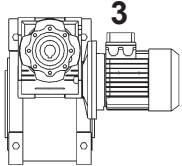
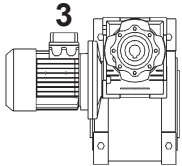
**Riduttori a Vite Senza Fine -**  
*MRDV Series Worm-Gear Speed Reducers*



**ELLE.GI SRL**

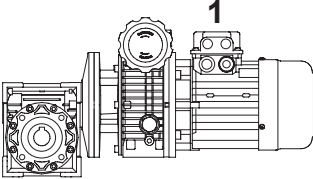
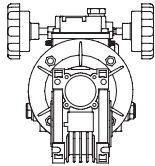
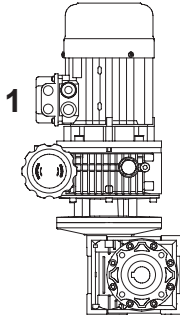
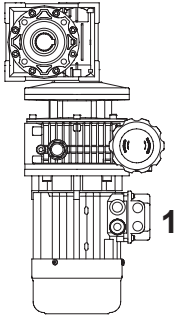
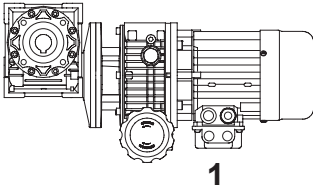
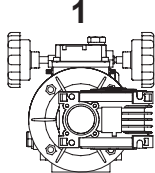
**Organi di Trasmissione**

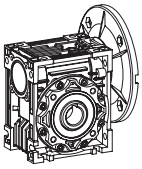


MRDV-MRDV / RDV-MRDV			
AS1	AS2	VS1	VS2
			
PS1	PS2	BS1	BS2
			


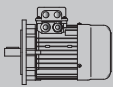

**Nel caso non venga specificata la posizione di montaggio, viene considerata standard quella in BS2.**

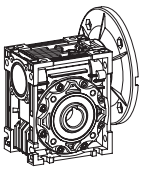
The position of the 1st reducer with respect to the 2nd gear reducer depends on the versions. Unless specified at the time of order, combination groups will be supplied in version BS2. The specified mounting position refers to the 2nd gear reducer, see page 17 for the possible mounting positions.

UDL-MRDV			
MRDV...U-B3	B6	V5	V6
			
			


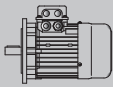



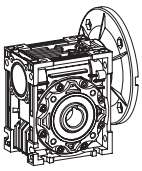
## PRESTAZIONI - PERFORMANCE PARAMETER

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.12</b>	9.3	68	150	4840	1.3	<b>PC063+MRDV050</b>	<b>6314</b>	67
	7.8	75	180	4840	1.1			
	5.8	88	240	4840	0.8			
	4.7	98	300	4840	0.7			
	4.7	119	300	4840	1.2	<b>MRDV030+050</b>	<b>6314</b>	72
	3.5	142	400	4840	0.9			
	2.8	164	500	4840	0.7			
	5.8	92	240	6270	1.5	<b>PC063+MRDV063</b>	<b>6314</b>	68
	4.7	103	300	6270	1.2			
	2.8	171	500	6270	1.3	<b>MRDV030+063</b>	<b>6314</b>	72
	2.3	208	600	6270	1.1			
	1.9	241	750	6270	0.9			
	1.6	325	900	7380	1.2	<b>MRDV040+075</b>	<b>6314</b>	73
	1.2	399	1200	7380	0.9			
	0.8	547	1800	8180	0.9	<b>MRDV040+090</b>	<b>6314</b>	73
	0.58	695	2400	8180	0.9			
	0.5	884	3000	10320	1.2	<b>MRDV050+110</b>	<b>6314</b>	73
	0.35	784	4000	10320	1			
0.28	928	5000	10320	0.8				
<b>0.18</b>	373.3	4	7.5	542	3.2	<b>MRDV030</b>	<b>6312</b>	59
	280	5.2	10	597	2.5			
	186.7	7.5	15	683	1.7			
	140	10	20	752	1.3			
	112	11	25	810	1.4			
	93.3	13	30	861	1.1			
	70	16	40	948	0.9			
	186.7	7.8	7.5	683	2.3	<b>MRDV030</b>	<b>6324</b>	59
	140	10	10	752	1.8			
	93.3	14	15	861	1.3			
	70	18	20	948	1			
	56	21	25	1021	1	<b>MRDV030</b>	<b>6324</b>	59
	46.7	24	30	1085	0.8			
	93.3	14	30	1657	2.4	<b>MRDV040</b>	<b>6312</b>	60
	70	18	40	1824	1.8			
	56	21	50	1964	1.4			
	70	19	20	1824	2	<b>MRDV040</b>	<b>6324</b>	60
	56	23	25	1964	1.7			
46.7	26	30	2087	1.7				


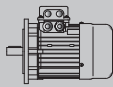



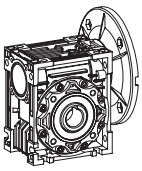
## PRESTAZIONI - PERFORMANCE PARAMETER

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$				
<b>0.18</b>	12	97	75	5889	2.2	<b>PC071+MRDV063</b>	<b>7116</b>	68	
	10	107	90	6259	2.4				
	7.5	131	120	6270	1.8				
	6	152	150	6270	1.4				
	5	168	180	6270	1.2				
	3.8	197	240	6270	0.9				
	3	218	300	6270	0.7				
	3.5	222	400	6270	1	<b>MRDV030+063</b>	<b>6324</b>	72	
	2.8	257	500	6270	0.8				
	5	179	180	7380	1.7	<b>PC071+MRDV075</b>	<b>7116</b>	69	
	3.8	211	240	7380	1.2				
	3	235	300	7380	1				
	2.3	362	600	7380	1.1	<b>MRDV040+075</b>	<b>6324</b>	73	
	1.9	435	750	7380	0.9				
	1.6	487	900	7380	0.8				
	1.2	629	1200	8180	1	<b>MRDV040+090</b>	<b>6324</b>	73	
	0.93	735	1500	8180	0.8				
	0.8	861	1800	10320	1.5	<b>MRDV050+110</b>	<b>6324</b>	73	
	0.58	1113	2400	10320	1.1				
	<b>0.25</b>	373.3	5.6	7.5	542	2.3	<b>MRDV030</b>	<b>6322</b>	59
		280	7.2	10	597	1.8			
186.7		10	15	683	1.3				
140		13	20	752	0.9				
112		16	25	810	1				
93.3		18	30	861	0.8				
186.7		11	7.5	1315	3.6	<b>MRDV040</b>	<b>7114</b>	60	
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				
120		17	7.5	1524	2.6	<b>MRDV040</b>	<b>7126</b>	60	
90		22	10	1677	2				
60		31	15	1920	1.4				
45		40	20	2113	1.1				
36		48	25	2276	0.9				
30		53	30	2419	0.9				
35		42	80	3153	1.1	<b>MRDV050</b>	<b>6322</b>	61	
28		48	100	3397	0.8				


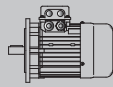



## PRESTAZIONI - PERFORMANCE PARAMETER

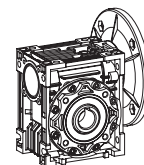
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.25</b>	11.3	117	80	7103	1.7	<b>MRDV075</b>	<b>7126</b>	63
	9	133	100	7380	1.4			
	9.3	151	150	7380	1.7	<b>PC071+MRDV075</b>	<b>7114</b>	69
	7.8	172	180	7380	1.4			
	5.8	201	240	7380	1.1			
	4.7	230	300	7380	0.9			
	12	139	75	6952	2.4	<b>PC071+MRDV075</b>	<b>7126</b>	69
	10	155	90	7380	2.5			
	7.5	191	120	7380	1.9			
	6	219	150	7380	1.5			
	5	248	180	7380	1.2			
	3.5	336	400	7380	1.1			
	2.8	384	500	7380	0.8			
	5	263	180	8180	1.9	<b>PC071+MRDV090</b>	<b>7126</b>	69
	3.8	318	240	8180	1.4			
	3	358	300	8180	1.1			
	2.3	512	600	8180	1.2	<b>MRDV040+090</b>	<b>7114</b>	73
	1.9	598	750	8180	0.9			
	1.6	667	900	8180	0.8			
	1.2	943	1200	10320	1.3			
0.93	1064	1500	10320	1.2				
0.78	1195	1800	10320	1.1				
0.6	1624	2400	13500	1	<b>MRDV063+130</b>	<b>7114</b>	74	
0.47	1935	3000	13500	0.8				
0.35	2046	4000	13500	0.6				
0.28	2430	5000	13500	0.5				
<b>0.37</b>	373.3	8.4	7.5	1044	3.3	<b>MRDV040</b>	<b>7112</b>	60
	280	11	10	1149	2.6			
	186.7	16	15	1315	1.9			
	140	21	20	1447	1.4	<b>MRDV040</b>	<b>7112</b>	60
	112	25	25	1559	1.1			
	186.7	16	7.5	1315	2.4	<b>MRDV040</b>	<b>7124</b>	60
	140	21	10	1447	1.9			
	93.3	31	15	1657	1.3			
	70	39	20	1824	1			
	56	47	25	1964	0.8			
	46.7	53	30	2087	0.8			


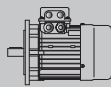



## PRESTAZIONI - PERFORMANCE PARAMETER

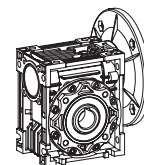
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.37</b>	18	126	50	6073	1.8	<b>MRDV075</b>	<b>8016</b>	63
	15	144	60	6453	1.5			
	11.3	173	80	7103	1.2			
	9	196	100	7380	1			
	18.7	138	75	6000	1.8	<b>PC071+MRDV075</b>	<b>7124</b>	69
	15.6	154	90	6375	1.9			
	11.7	191	120	7017	1.5			
	9.3	223	150	7380	1.1			
	7.8	254	180	7380	0.9			
	12	206	75	6952	1.6	<b>PC080+MRDV075</b>	<b>8016</b>	69
	10	230	90	7380	1.7			
	7.5	283	120	7380	1.3			
	6	324	150	7380	1			
	4.7	405	300	7380	1	<b>MRDV040+075</b>	<b>7124</b>	73
	3.5	498	400	7380	0.7			
	11.3	185	80	7859	1.7	<b>MRDV090</b>	<b>8016</b>	64
	9	212	100	8180	1.3			
	7.8	268	180	8180	1.5	<b>PC071+MRDV090</b>	<b>7124</b>	69
	5.8	321	240	8180	1.1			
	4.7	371	300	8180	0.9			
6	347	150	8180	1.6	<b>PC080+MRDV090</b>	<b>8016</b>	70	
5	389	180	8180	1.3				
3.8	471	240	8180	1				
4.7	402	300	8180	1.5	<b>MRDV040+090</b>	<b>7124</b>	73	
3.5	523	400	8180	1.2				
2.8	611	500	8180	0.9				
2.3	757	600	8180	0.8				
3.8	509	240	10320	1.6	<b>PC080+MRDV110</b>	<b>8016</b>	70	
3	577	300	10320	1.3				
1.9	950	750	10320	1.3	<b>MRDV050+110</b>	<b>7124</b>	73	
1.6	1079	900	10320	1.2				
1.2	1396	1200	10320	0.8				
0.9	1674	1500	13500	1.1	<b>MRDV063+130</b>	<b>7124</b>	74	
0.78	1887	1800	13500	0.9				
<b>0.55</b>	373.3	13	7.5	1044	2.2	<b>MRDV040</b>	<b>7122</b>	60
	280	17	10	1149	1.8			
	186.7	24	15	1315	1.3			
	140	31	20	1447	0.9			
	112	37	25	1559	0.8			


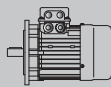

# PRESTAZIONI - PERFORMANCE PARAMETER



$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.55</b>	4.7	639	300	10320	2	<b>MRDV050+110</b>	<b>8014</b>	73
	3.5	826	400	10320	1.4			
	2.8	984	500	10320	1.1			
	2.3	1181	600	10320	1			
	1.9	1411	750	10320	0.9			
	3.8	756	240	13500	1.6	<b>PC080+MRDV130</b>	<b>8026</b>	70
	3	858	300	13500	1.3			
	2.8	996	500	13500	1.6	<b>MRDV063+130</b>	<b>8014</b>	74
	1.9	1471	750	13500	1.2			
	1.2	2132	1200	13500	0.8			
<b>0.75</b>	373.3	17	7.5	1433	3	<b>MRDV050</b>	<b>8012</b>	61
	280	23	10	1577	2.4			
	186.7	33	15	1805	1.7			
	140	42	20	1987	1.3			
	112	51	25	2140	1			
	93.3	58	30	2274	1.1			
	186.7	34	7.5	1805	2.1	<b>MRDV050</b>	<b>8024</b>	61
	140	44	10	1987	1.6			
	93.3	63	15	2274	1.2			
	70	81	20	2503	0.9			
	140	43	20	2597	2.3	<b>MRDV063</b>	<b>8012</b>	62
	112	52	25	2797	1.8			
	93.3	60	30	2973	2			
	70	77	40	3272	1.4			
	56	91	50	3524	1.1			
	46.7	104	60	3745	0.9			
	93.3	64	15	2973	2.2			
	70	83	20	3272	1.6			
	56	100	25	3524	1.3			
	46.7	114	30	3745	1.4			
	35	143	40	4122	1			
	120	52	7.5	2734	2.9	<b>MRDV063</b>	<b>90S6</b>	62
	90	68	10	3009	2.3			
	60	97	15	3444	1.6			
	45	123	20	3791	1.2			
	36	149	25	4084	0.9			
	30	167	30	4339	1			
	46.7	109	60	4421	1.3	<b>MRDV075</b>	<b>8012</b>	63
	28	156	100	5241	0.8			

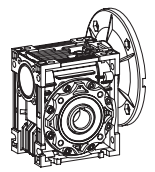
# PRESTAZIONI - PERFORMANCE PARAMETER


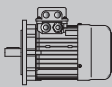



$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$f_s$			
<b>0.75</b>	12.4	393	73	9614	3.2	<b>PC090+MRDV110</b>	<b>90S6</b>	71
	9.3	508	96.8	10320	2.3			
	7.4	607	121	10320	1.8			
	6.2	682	145.2	10320	1.5			
	4.6	832	193.6	10320	1			
	9.3	446	300	10320	2.8	<b>MRDV050+110</b>	<b>8012</b>	74
	7	563	400	10320	2.1			
	5.6	687	500	10320	1.6			
	4.7	871	300	10320	1.5	<b>MRDV050+110</b>	<b>8024</b>	74
	3.5	1126	400	10320	1.1			
	11.3	407	80	12989	2.1	<b>MRDV130</b>	<b>90S6</b>	67
	9	470	100	13500	1.7			
	5.8	712	240	13500	1.4	<b>PC080+MRDV130</b>	<b>8024</b>	71
	4.7	813	300	13500	1.1			
	12.4	399	73	12575	4.4	<b>PC090+MRDV130</b>	<b>90S6</b>	71
9.3	508	96.8	13500	3.2				
7.4	607	121	13500	2.6				
6.2	682	145.2	13500	2.1				
4.6	832	193.6	13500	1.5				
3.7	944	242	13500	1.2				
2.8	1358	500	13500	1.1	<b>MRDV063+130</b>	<b>8024</b>	75	
2.3	1631	600	13500	1				
1.9	2005	750	13500	0.9				
1.6	2283	900	13500	0.8				
<b>1.1</b>	373.3	25	7.5	1433	2.1	<b>MRDV050</b>	<b>8022</b>	62
	280	33	10	1577	1.6			
	186.7	48	15	1805	1.2			
	140	62	20	1987	0.9			
	186.7	48	15	2359	2.1	<b>MRDV063</b>	<b>8022</b>	63
	140	63	20	2597	1.6			
	112	77	25	2797	1.2			
	93.3	88	30	2973	1.4			
	70	113	40	3272	1			
	120	76	7.5	2734	2	<b>MRDV063</b>	<b>90L6</b>	63
	90	99	10	3009	1.5			
	60	142	15	3444	1.1			
	45	180	20	3791	0.8			

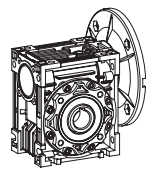



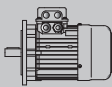

# PRESTAZIONI - PERFORMANCE PARAMETER



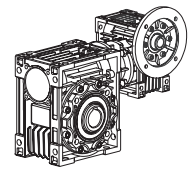
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$f_s$			
<b>1.1</b>	12.4	576	73	9614	2.2	<b>PC090+MRDV110</b>	<b>90L6</b>	70
	9.3	746	96.8	10320	1.6			
	7.4	890	121	10320	1.2			
	6.2	1000	145.2	10320	1			
	19.3	392	73	8298	2.5	<b>PC090+MRDV110</b>	<b>90S4</b>	70
	14.5	508	96.8	9133	1.8			
	11.6	599	121	9838	1.5			
	9.6	686	145.2	10320	1.1			
	7.2	828	193.6	10320	0.8			
	9.3	654	300	10320	1.9	<b>MRDV050+110</b>	<b>8022</b>	73
	7	845	400	10320	1.4			
	5.6	1007	500	10320	1.1			
	11.3	598	80	12989	1.4	<b>MRDV130</b>	<b>90L6</b>	66
	9	689	100	13500	1.1			
	17.5	408	80	11210	2.1	<b>MRDV130</b>	<b>90S4</b>	66
	14	480	100	12076	1.5			
	12.4	585	73	12575	3	<b>PC090+MRDV130</b>	<b>90L6</b>	70
	9.3	746	96.8	13500	2.2			
	7.4	890	121	13500	1.7			
	6.2	1000	145.2	13500	1.4			
4.6	1220	193.6	13500	1				
19.3	398	73	10853	3.5	<b>PC090+MRDV130</b>	<b>90S4</b>	70	
14.5	508	96.8	11945	2.6				
11.6	608	121	12868	2				
9.6	686	145.2	13500	1.6				
7.2	843	193.6	13500	1.2				
5.8	962	242	13500	0.9				
4.7	1312	300	13500	1.3	<b>MRDV063+130</b>	<b>90S4</b>	74	
3.5	1671	400	13500	1				
2.8	1991	500	13500	0.8				
<b>1.5</b>	373.3	35	7.5	1433	1.5	<b>MRDV050</b>	<b>80C2</b>	61
	280	45	10	1577	1.2			
	186.7	65	15	1805	0.9			
	186.7	68	7.5	2359	1.9	<b>MRDV063</b>	<b>90L4</b>	62
	140	89	10	2597	1.5			
	93.3	127	15	2973	1.1	<b>MRDV063</b>	<b>90L4</b>	62
	70	166	20	3272	0.8			

# PRESTAZIONI - PERFORMANCE PARAMETER

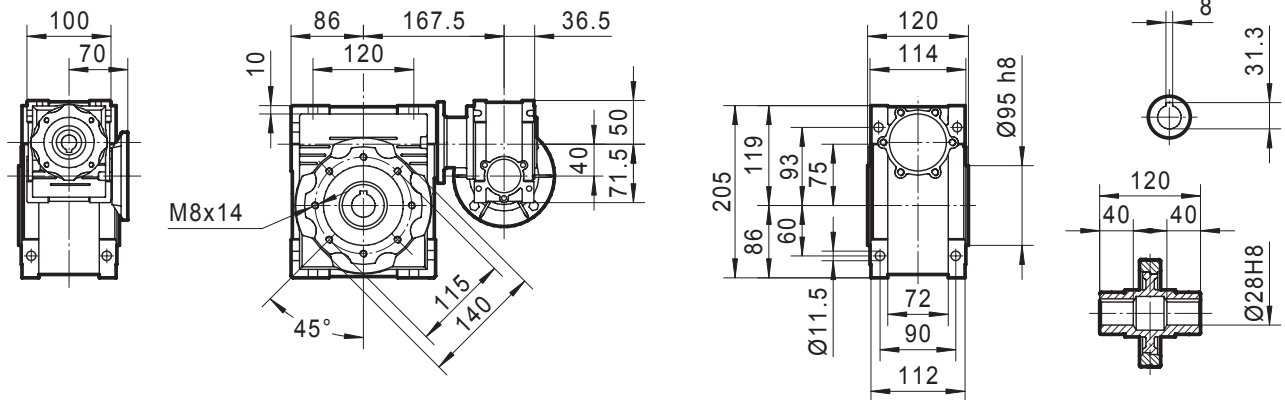


$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$f_s$			
<b>1.5</b>	35	319	40	6803	2.2	<b>MRDV110</b>	<b>90L4</b>	65
	28	384	50	7328	1.7			
	23.3	442	60	7787	1.4			
	17.5	548	80	8571	0.9			
	46.7	236	60	6181	2	<b>MRDV110</b>	<b>90S2</b>	65
	35	299	80	6803	1.3			
	28	353	100	7328	1			
	19.3	535	73	8298	1.9	<b>PC090+MRDV110</b>	<b>90L4</b>	70
	14.5	693	96.8	9133	1.3			
	11.6	817	121	9838	1.1			
	9.6	936	145.2	10320	0.8			
	9.3	891	300	10320	1.4	<b>MRDV050+110</b>	<b>90S2</b>	73
	7	1153	400	10320	1			
	5.6	1373	500	10320	0.8			
	22.5	478	40	10309	2.3	<b>MRDV130</b>	<b>100L6</b>	66
	18	573	50	11105	1.8			
15	659	60	11801	1.4	<b>MRDV130</b>	<b>100L6</b>	66	
11.3	815	80	12989	1.1				
17.5	557	80	11210	1.5	<b>MRDV130</b>	<b>90L4</b>	66	
14	655	100	12076	1.1				
19.3	542	73	10853	2.6	<b>PC090+MRDV130</b>	<b>90L4</b>	70	
14.5	693	96.8	11945	1.9				
11.6	830	121	12868	1.5				
9.6	936	145.2	13500	1.1				
7.2	1149	194	13500	0.8				
9.3	915	300	13500	1.9	<b>MRDV063+130</b>	<b>90S2</b>	74	
7	1166	400	13500	1.4				
5.6	1389	500	13500	1.1				
4.7	1789	300	13500	1	<b>MRDV063+130</b>	<b>90L4</b>	74	
3.5	2279	400	13500	0.7				
<b>2.2</b>	373.3	51	7.5	1873	1.8	<b>MRDV063</b>	<b>90L2</b>	62
	280	67	10	2061	1.5			
	186.7	97	15	2359	1.1			
	186.7	100	7.5	2785	1.8	<b>MRDV075</b>	<b>100LA4</b>	63
	140	132	10	3065	1.5			
	93.3	191	15	3509	1			

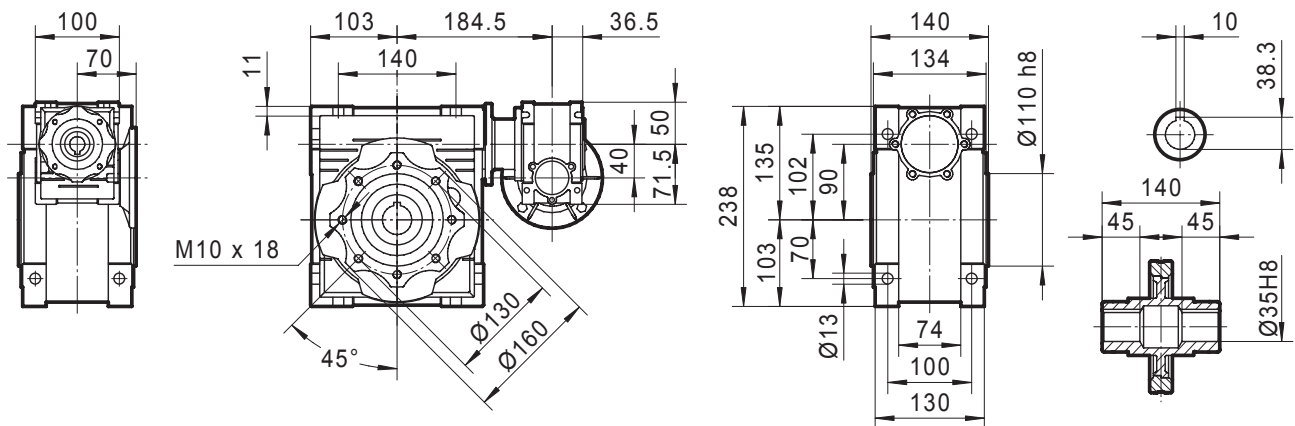
# Dimensioni Combinati - MRDV SERIES DIMENSIONS



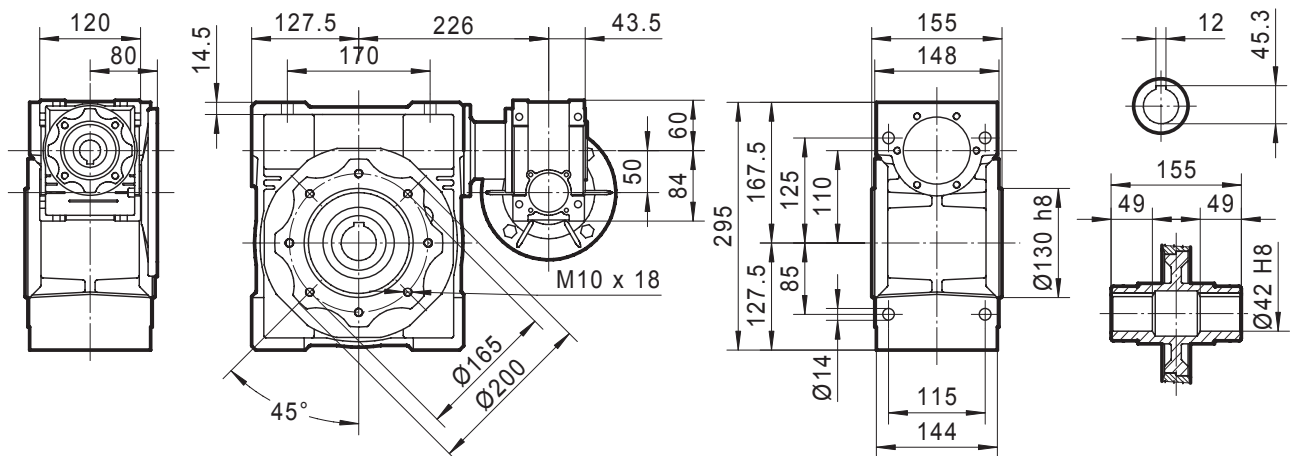
## MRDV 040 + 075



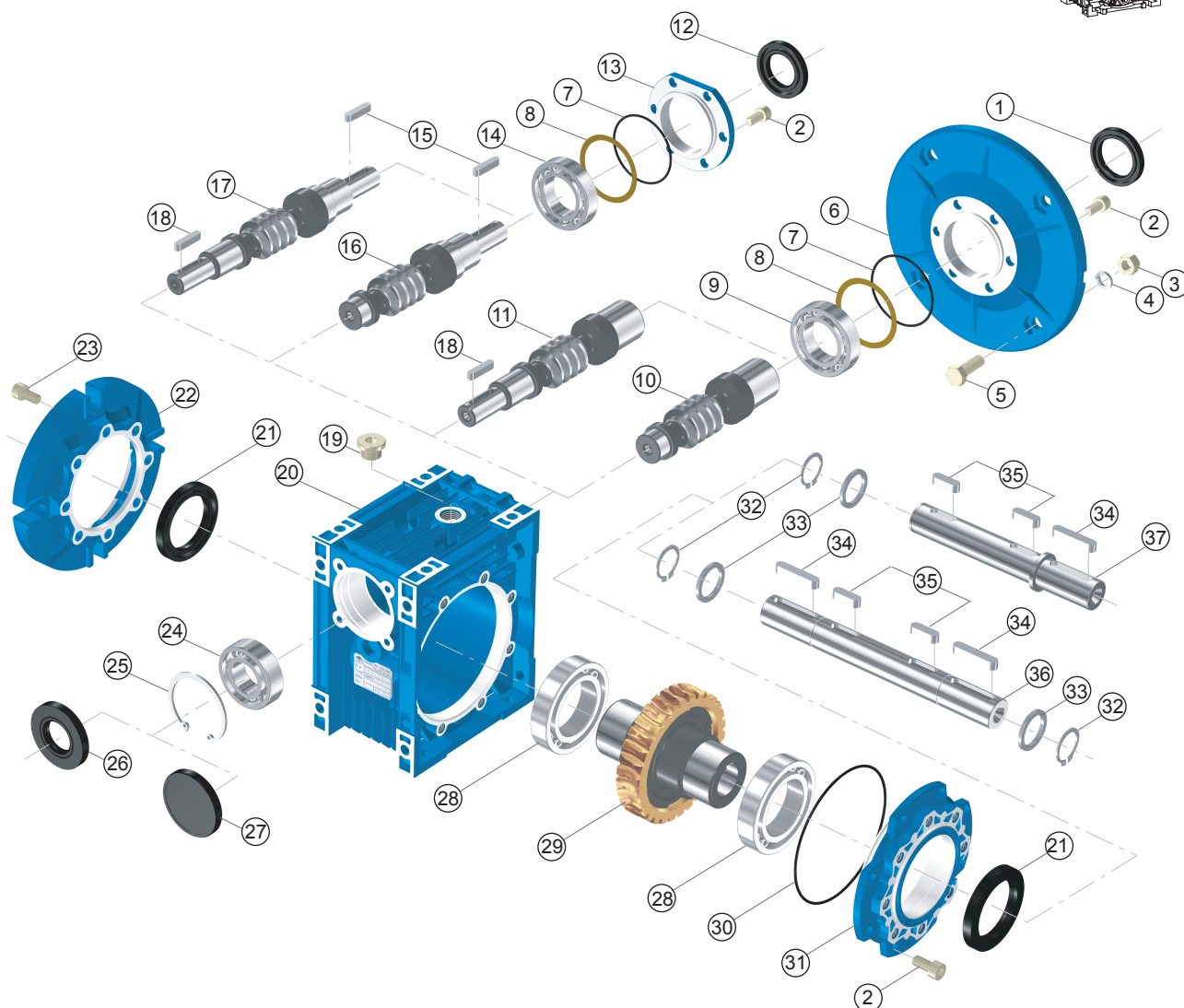
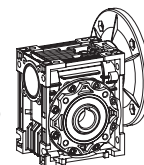
## MRDV 040 + 090



## MRDV 050 + 110



# Esplso e parti di ricambio - EXPLODED VIEW & NAME OF PARTS



- 1. Anello di tenuta** - oil seal
- 2. Vite** - inner hex screw
- 3. Dado** - nut
- 4. Rondella** - spring washer
- 5. Bullone** - hex screw
- 6. Flangia in ingresso** - input flange
- 7. O-Ring** - O-Ring
- 8. Distanziale** - adjust spacer
- 9. Cuscinetto** - bearing
- 10. Vite forata in ingresso** - hole input worm
- 11. Vite cilindrica in ingresso e albero maschio** - hole input and shaft & output worm
- 12. Anello di tenuta** - oil seal
- 13. Coperchio in ingresso** - input cover
- 14. Cuscinetto** - Bearing
- 15. Chiavetta** - key
- 16. Albero in ingresso** - shaft input worm
- 17. Albero in ingresso e vite in uscita** - shaft input and shaft output worm
- 18. Chiavetta** - key

- 19. Tappo per olio** - oil plug
- 20. Carcassa** - casing
- 21. Anello di tenuta** - oil seal
- 22. Flangia in uscita** - output flange
- 23. Bullone** - inner hex screw
- 24. Cuscinetto** - bearing
- 25. Seeger** - hole-circlip
- 26. Anello di tenuta** - oil seal
- 27. Coperchio** - cover
- 28. Cuscinetto** - bearing
- 29. Vite** - worm wheel
- 30. O-Ring** - O-Ring
- 31. Coperchio in uscita** - output cover
- 32. Seeger albero** - shaft-circlip
- 33. Distanziale** - spacer
- 34. Chiavetta** - key
- 35. Chiavetta** - key
- 36. Albero bisporgente in uscita** - double output shaft
- 37. Albero sporgente in uscita** - single output shaft