

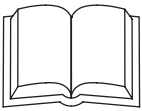
- SERIE MRDV -

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



ELLE.GI SRL

Organi di Trasmissione

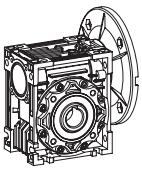


MRDV-MRDV / RDV-MRDV			
AS1	AS2	VS1	VS2
PS1	PS2	BS1	BS2


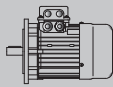

Nel caso non venga specificata la posizione di montaggio, viene considerata standard quella in BS2.

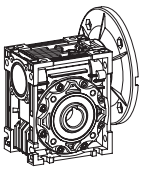
The position of the 1st reducer with respect to the 2nd gear reducer depends on the versions. Unless specified at the time of order, combination groups will be supplied in version BS2. The specified mounting position refers to the 2nd gear reducer, see page 17 for the possible mounting positions.

UDL-MRDV			
MRDV...U-B3	B6	V5	V6
B8	B7		


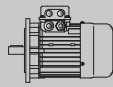



PRESTAZIONI - PERFORMANCE PARAMETER

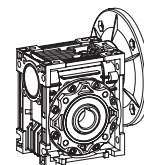
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.25	11.3	117	80	7103	1.7	MRDV075	7126	63
	9	133	100	7380	1.4			
	9.3	151	150	7380	1.7	PC071+MRDV075	7114	69
	7.8	172	180	7380	1.4			
	5.8	201	240	7380	1.1			
	4.7	230	300	7380	0.9			
	12	139	75	6952	2.4	PC071+MRDV075	7126	69
	10	155	90	7380	2.5			
	7.5	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	PC071+MRDV090	7126	69
	3.8	318	240	8180	1.4			
	3	358	300	8180	1.1			
	2.3	512	600	8180	1.2	MRDV040+090	7114	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	MRDV063+130	7114	74	
0.47	1935	3000	13500	0.8				
0.35	2046	4000	13500	0.6				
0.28	2430	5000	13500	0.5				
0.37	373.3	8.4	7.5	1044	3.3	MRDV040	7112	60
	280	11	10	1149	2.6			
	186.7	16	15	1315	1.9			
	140	21	20	1447	1.4	MRDV040	7112	60
	112	25	25	1559	1.1			
	186.7	16	7.5	1315	2.4	MRDV040	7124	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			


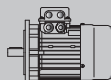



PRESTAZIONI - PERFORMANCE PARAMETER

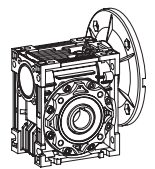
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.37	18	126	50	6073	1.8	MRDV075	8016	63
	15	144	60	6453	1.5			
	11.3	173	80	7103	1.2			
	9	196	100	7380	1			
	18.7	138	75	6000	1.8	PC071+MRDV075	7124	69
	15.6	154	90	6375	1.9			
	11.7	191	120	7017	1.5			
	9.3	223	150	7380	1.1			
	7.8	254	180	7380	0.9			
	12	206	75	6952	1.6	PC080+MRDV075	8016	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	MRDV040+075	7124	73
	3.5	498	400	7380	0.7			
	11.3	185	80	7859	1.7	MRDV090	8016	64
	9	212	100	8180	1.3			
	7.8	268	180	8180	1.5	PC071+MRDV090	7124	69
	5.8	321	240	8180	1.1			
	4.7	371	300	8180	0.9			
6	347	150	8180	1.6	PC080+MRDV090	8016	70	
5	389	180	8180	1.3				
3.8	471	240	8180	1				
4.7	402	300	8180	1.5	MRDV040+090	7124	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	PC080+MRDV110	8016	70	
3	577	300	10320	1.3				
1.9	950	750	10320	1.3	MRDV050+110	7124	73	
1.6	1079	900	10320	1.2				
1.2	1396	1200	10320	0.8				
0.9	1674	1500	13500	1.1	MRDV063+130	7124	74	
0.78	1887	1800	13500	0.9				
0.55	373.3	13	7.5	1044	2.2	MRDV040	7122	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			


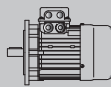

PRESTAZIONI - PERFORMANCE PARAMETER



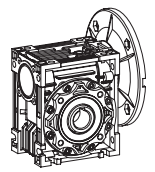
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.55	4.7	639	300	10320	2	MRDV050+110	8014	73
	3.5	826	400	10320	1.4			
	2.8	984	500	10320	1.1			
	2.3	1181	600	10320	1			
	1.9	1411	750	10320	0.9			
	3.8	756	240	13500	1.6	PC080+MRDV130	8026	70
	3	858	300	13500	1.3			
	2.8	996	500	13500	1.6	MRDV063+130	8014	74
	1.9	1471	750	13500	1.2			
	1.2	2132	1200	13500	0.8			
0.75	373.3	17	7.5	1433	3	MRDV050	8012	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	MRDV050	8024	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	MRDV063	8012	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	MRDV063	90S6	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	MRDV075	8012	63
	28	156	100	5241	0.8			


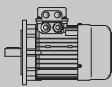

PRESTAZIONI - PERFORMANCE PARAMETER



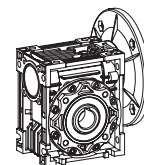
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	f_s			
0.75	12.4	393	73	9614	3.2	PC090+MRDV110	90S6	71
	9.3	508	96.8	10320	2.3			
	7.4	607	121	10320	1.8			
	6.2	682	145.2	10320	1.5			
	4.6	832	193.6	10320	1			
	9.3	446	300	10320	2.8	MRDV050+110	8012	74
	7	563	400	10320	2.1			
	5.6	687	500	10320	1.6			
	4.7	871	300	10320	1.5	MRDV050+110	8024	74
	3.5	1126	400	10320	1.1			
	11.3	407	80	12989	2.1	MRDV130	90S6	67
	9	470	100	13500	1.7			
	5.8	712	240	13500	1.4	PC080+MRDV130	8024	71
	4.7	813	300	13500	1.1			
	12.4	399	73	12575	4.4	PC090+MRDV130	90S6	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	MRDV063+130	8024	75	
2.3	1631	600	13500	1				
1.9	2005	750	13500	0.9				
1.6	2283	900	13500	0.8				
1.1	373.3	25	7.5	1433	2.1	MRDV050	8022	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	MRDV063	8022	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	MRDV063	90L6	63
	90	99	10	3009	1.5			
	60	142	15	3444	1.1			
	45	180	20	3791	0.8			


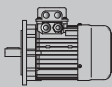

PRESTAZIONI - PERFORMANCE PARAMETER

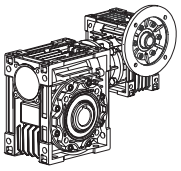


P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	f_s			
1.1	12.4	576	73	9614	2.2	PC090+MRDV110	90L6	70
	9.3	746	96.8	10320	1.6			
	7.4	890	121	10320	1.2			
	6.2	1000	145.2	10320	1			
	19.3	392	73	8298	2.5	PC090+MRDV110	90S4	70
	14.5	508	96.8	9133	1.8			
	11.6	599	121	9838	1.5			
	9.6	686	145.2	10320	1.1			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

PRESTAZIONI - PERFORMANCE PARAMETER

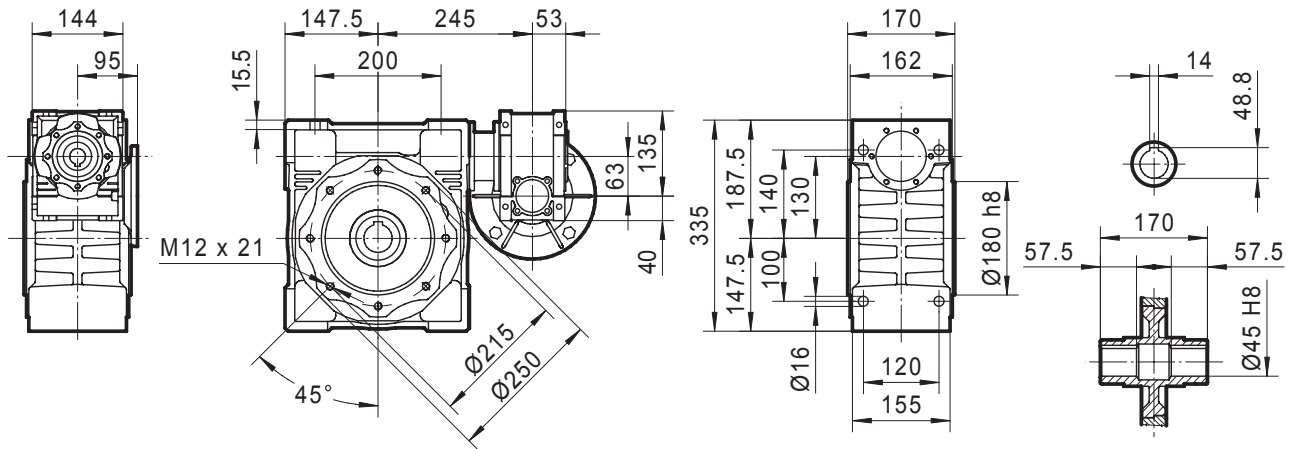


P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	f_s			
1.5	35	319	40	6803	2.2	MRDV110	90L4	65
	28	384	50	7328	1.7			
	23.3	442	60	7787	1.4			
	17.5	548	80	8571	0.9			
	46.7	236	60	6181	2	MRDV110	90S2	65
	35	299	80	6803	1.3			
	28	353	100	7328	1			
	19.3	535	73	8298	1.9	PC090+MRDV110	90L4	70
	14.5	693	96.8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

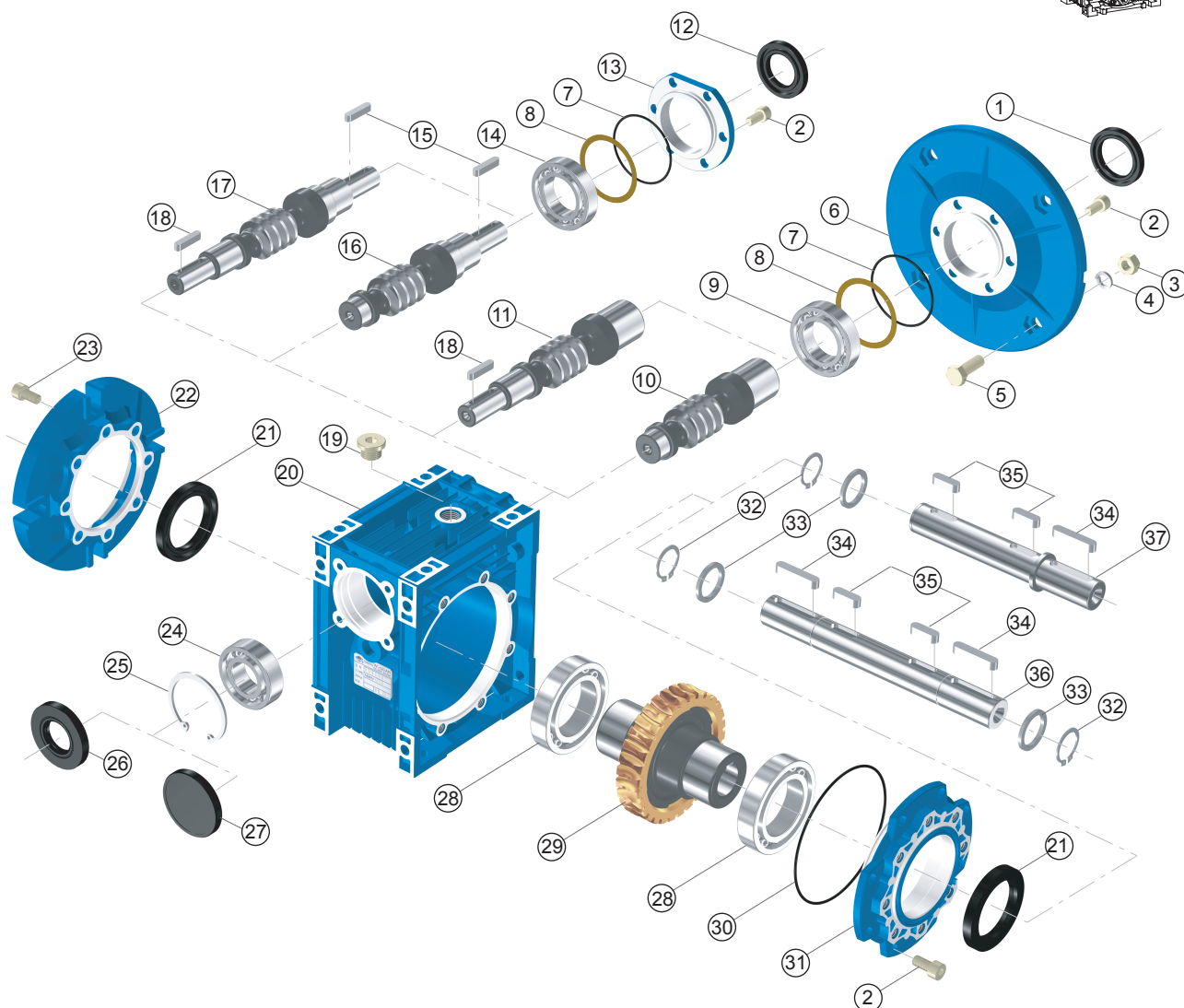
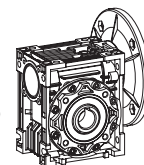


Dimensioni Combinati - MRDV SERIES DIMENSIONS

MRDV 063 + 130



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