

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA  
SYSTEMS**

UKŁADY HYDRAULICZNE

**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

## 5.0 Order code

<b>RA</b>	<b>21</b>	<b>3</b>	<b>P</b>	<b>S</b>	<b>78.7</b>
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**OUTPUT VERSION**

**OUTPUT SHAFT**

- S = Male spline
- F = Female spline
- C = Cylindrical shaft
- K = Extended cylindrical shaft
- E = Hexagonal shaft
- Q = Hollow female shaft
- FS = Female spline
- FC = Female cylindrical shaft
- U = Female cylindrical shaft

**NUMBER OF STAGES**

1 - 2 - 3 - 4 - 5 - 6

**GEARBOX FRAME SIZE**

RE - RA	RE - RA	GB - GBA	GB - GBA
110	1520	12010	61000
210	2000	16000	85000
240	2520	21000	110000
310	3000	26000	130000
510	3510	31000	GB
610	4800	40000	150000
810	6000	45000	205000
1020	8000	53000	235000

**REDUCTION RATIO**

Please write the exact ratio as shown on the selection table

**EXECUTION**

RE - GB = Linear      RA - GBA = Angular

**COMPOSITION**

- / = Standard
- L = Light
- R = Reinforced
- S = Special

# RE 210

	ie	n <sub>1</sub> = 750 RPM			n <sub>1</sub> = 900 RPM			n <sub>1</sub> = 1450 RPM			n <sub>1</sub> = 2900 RPM			T <sub>2max</sub> [Nm]	P <sub>t</sub> [kW]
		n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]	n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]	n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]	n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]		
RE 211	3.48	216	26.5	1140	259	30.1	1080	417	42.0	940	833	68	760	2420	11 (N)
	4.26	176	22.7	1200	211	25.7	1140	340	36.0	980	680	58	800	3550	13 (T)
	5.77	130	13.4	960	156	16.0	950	251	25.0	930	503	45.8	850	2650	9 (F)
	7.20	104	7.8	690	125	9.2	690	201	14.4	670	403	27.8	640	1920	22 (P)
RE 212	12.11	62	9.7	1410	74	11.5	1400	120	18.0	1360	239	29.3	1110	2420	7 (N) 8 (T) 5 (F) 13 (P)
	14.84	51	7.7	1390	61	9.2	1380	98	14.4	1340	195	25.0	1160	3550	
	18.17	41.3	6.4	1410	49.5	7.6	1390	80	11.9	1360	160	21.7	1240	3550	
	20.08	37.4	6.0	1460	44.8	7.1	1440	72	11.2	1400	144	20.5	1290	2420	
	24.60	30.5	4.8	1430	36.6	5.7	1420	59	9.0	1380	118	17.2	1330	3550	
	30.69	24.4	3.9	1450	29.3	4.6	1430	47.2	7.3	1400	94	14.0	1340	3550	
	33.28	22.5	2.6	1060	27.0	3.1	1050	43.6	4.9	1030	87	9.5	990	2650	
	41.54	18.1	2.1	1080	21.7	2.5	1070	34.9	4.0	1040	70	7.7	1000	2650	
	51.84	14.5	1.2	780	17.4	1.5	770	28.0	2.3	750	56	4.4	720	1920	
RE 213	51.63	14.5	2.5	1490	17.4	2.9	1480	28.1	4.6	1440	56	8.8	1380	3550	5 (N) 6 (T) 4 (F) 10 (P)
	63.25	11.9	2.0	1510	14.2	2.4	1500	22.9	3.8	1460	45.9	7.2	1400	3550	
	69.87	10.7	1.9	1570	12.9	2.3	1550	20.8	3.5	1510	41.5	6.8	1450	2420	
	77.48	9.7	1.7	1530	11.6	2.0	1510	18.7	3.1	1470	37.4	6.0	1420	3550	
	85.59	8.8	1.5	1540	10.5	1.8	1520	16.9	2.8	1480	33.9	5.4	1420	3550	
	104.85	7.2	1.3	1580	8.6	1.5	1540	13.8	2.3	1500	27.7	4.5	1440	3550	
	106.82	7.0	1.3	1590	8.4	1.5	1540	13.6	2.3	1500	27.1	4.4	1440	3550	
	130.86	5.7	1.1	1630	6.9	1.2	1590	11.1	1.9	1520	22.2	3.7	1460	3550	
	141.90	5.3	1.0	1660	6.3	1.2	1610	10.2	1.8	1520	20.4	3.4	1460	3550	
	144.55	5.2	1.0	1750	6.2	1.2	1700	10.0	1.8	1590	20.1	3.4	1510	2420	
	177.09	4.2	0.82	1710	5.1	1.0	1660	8.2	1.4	1550	16.4	2.7	1480	3550	
	180.40	4.2	0.63	1330	5.0	0.74	1320	8.0	1.2	1290	16.1	2.2	1240	3290	
	221.00	3.4	0.63	1630	4.1	0.74	1620	6.6	1.2	1570	13.1	2.2	1500	3550	
	239.64	3.1	0.45	1260	3.8	0.52	1230	6.1	0.78	1150	12.1	1.5	1100	2650	
	299.08	2.5	0.37	1310	3.0	0.43	1270	4.8	0.65	1180	9.7	1.2	1120	2650	
RE 214	220.10	3.4	0.70	1770	4.1	0.82	1720	6.6	1.22	1600	13.2	2.3	1500	3550	5 (N) 5 (T) 4 (F) 8 (P)
	243.14	3.1	0.68	1900	3.7	0.79	1840	6.0	1.19	1720	11.9	2.1	1550	2420	
	269.63	2.8	0.59	1820	3.3	0.69	1770	5.4	1.03	1650	10.8	1.9	1520	3550	
	303.44	2.5	0.56	1960	3.0	0.66	1910	4.8	0.98	1770	9.6	1.8	1600	2420	
	364.89	2.1	0.45	1910	2.5	0.53	1860	4.0	0.80	1730	7.9	1.4	1560	3550	
	403.08	1.9	0.43	1970	2.2	0.50	1950	3.6	0.77	1850	7.2	1.4	1670	2420	
	447.00	1.7	0.38	1970	2.0	0.45	1920	3.2	0.67	1780	6.5	1.2	1600	3550	
	493.79	1.5	0.35	2000	1.8	0.41	1940	2.9	0.62	1810	5.9	1.1	1630	3550	
	557.86	1.3	0.32	2040	1.6	0.37	1980	2.6	0.55	1840	5.2	1.0	1660	3550	
	627.80	1.2	0.30	2190	1.4	0.35	2130	2.3	0.53	1980	4.6	0.95	1780	2420	
	818.63	0.92	0.23	2160	1.1	0.27	2100	1.8	0.40	1950	3.5	0.72	1760	3550	
	942.17	0.80	0.20	2200	0.96	0.24	2140	1.5	0.36	1990	3.1	0.64	1800	3550	
	1021.64	0.73	0.19	2230	0.88	0.22	2170	1.4	0.33	2020	2.8	0.60	1820	3550	
	1275.01	0.59	0.16	2310	0.71	0.18	2240	1.1	0.28	2090	2.3	0.50	1880	3550	
	1591.22	0.47	0.11	1970	0.57	0.13	1920	0.91	0.19	1790	1.8	0.36	1690	3550	
	1725.44	0.43	0.09	1700	0.52	0.10	1660	0.84	0.15	1540	1.7	0.27	1390	2650	
	2153.35	0.35	0.07	1760	0.42	0.08	1710	0.67	0.12	1590	1.3	0.22	1440	2650	

	ie	n <sub>1</sub> = 750 RPM			n <sub>1</sub> = 900 RPM			n <sub>1</sub> = 1450 RPM			n <sub>1</sub> = 2900 RPM			T <sub>2max</sub> [Nm]	P <sub>t</sub> [kW]
		n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]	n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]	n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]	n <sub>2</sub> [RPM]	P <sub>1</sub> [kW]	T <sub>2</sub> [Nm]		
<b>RA 212</b>	<b>11.14</b>	67	<b>7.1</b>	940	81	<b>8.4</b>	930	130	<b>12.4</b>	850	260	<b>20.2</b>	690	2410	5 (N)
	<b>13.64</b>	55	<b>7.1</b>	1150	66	<b>8.4</b>	1140	106	<b>12.4</b>	1050	213	<b>20.2</b>	850	2950	6 (T)
	<b>18.46</b>	40.6	<b>4.7</b>	1030	48.8	<b>5.6</b>	1020	79	<b>8.7</b>	990	157	<b>16.7</b>	950	2650	4 (F)
	<b>23.04</b>	32.6	<b>2.7</b>	740	39.1	<b>3.2</b>	730	63	<b>5.0</b>	710	126	<b>9.7</b>	690	1920	9 (P)
<b>RA 213</b>	<b>38.75</b>	19.4	<b>3.4</b>	1510	23.2	<b>4.0</b>	1500	37.4	<b>6.3</b>	1460	75	<b>12.0</b>	1400	2420	4 (N) 5 (T) 4 (F) 8 (P)
	<b>47.47</b>	15.8	<b>2.8</b>	1530	19.0	<b>3.2</b>	1470	30.5	<b>5.0</b>	1430	61	<b>9.6</b>	1380	3550	
	<b>58.16</b>	12.9	<b>2.2</b>	1500	15.5	<b>2.6</b>	1490	24.9	<b>4.1</b>	1450	49.9	<b>8.0</b>	1390	3550	
	<b>64.25</b>	11.7	<b>2.1</b>	1560	14.0	<b>2.5</b>	1540	22.6	<b>3.9</b>	1500	45.1	<b>7.5</b>	1440	2420	
	<b>78.70</b>	9.5	<b>1.7</b>	1530	11.4	<b>2.0</b>	1510	18.4	<b>3.1</b>	1470	36.8	<b>6.0</b>	1420	3550	
	<b>98.22</b>	7.6	<b>1.4</b>	1560	9.2	<b>1.6</b>	1530	14.8	<b>2.5</b>	1490	29.5	<b>4.9</b>	1430	3550	
	<b>106.51</b>	7.0	<b>0.92</b>	1140	8.5	<b>1.1</b>	1130	13.6	<b>1.7</b>	1100	27.2	<b>3.3</b>	1050	2650	
	<b>132.92</b>	5.6	<b>0.75</b>	1160	6.8	<b>0.89</b>	1140	10.9	<b>1.4</b>	1110	21.8	<b>2.7</b>	1070	2650	
	<b>165.89</b>	4.5	<b>0.43</b>	830	5.4	<b>0.51</b>	820	8.7	<b>0.80</b>	800	17.5	<b>1.5</b>	770	1920	
<b>RA 214</b>	<b>134.86</b>	5.6	<b>1.1</b>	1730	6.7	<b>1.3</b>	1690	10.8	<b>2.0</b>	1570	21.5	<b>3.8</b>	1500	2420	4 (N) 4 (T) 3 (F) 8 (P)
	<b>165.21</b>	4.5	<b>0.90</b>	1690	5.4	<b>1.1</b>	1650	8.8	<b>1.6</b>	1540	17.6	<b>3.1</b>	1480	3550	
	<b>202.39</b>	3.7	<b>0.76</b>	1750	4.4	<b>0.89</b>	1700	7.2	<b>1.3</b>	1580	14.3	<b>2.5</b>	1490	3550	
	<b>223.58</b>	3.4	<b>0.74</b>	1870	4.0	<b>0.86</b>	1820	6.5	<b>1.3</b>	1690	13.0	<b>2.4</b>	1550	2420	
	<b>247.94</b>	3.0	<b>0.64</b>	1800	3.6	<b>0.75</b>	1750	5.8	<b>1.1</b>	1630	11.7	<b>2.1</b>	1510	3550	
	<b>273.89</b>	2.7	<b>0.59</b>	1830	3.3	<b>0.69</b>	1780	5.3	<b>1.0</b>	1650	10.6	<b>1.9</b>	1520	3550	
	<b>335.53</b>	2.2	<b>0.50</b>	1890	2.7	<b>0.58</b>	1830	4.3	<b>0.87</b>	1710	8.6	<b>1.6</b>	1540	3550	
	<b>341.82</b>	2.2	<b>0.49</b>	1890	2.6	<b>0.57</b>	1840	4.2	<b>0.85</b>	1710	8.5	<b>1.5</b>	1540	3550	
	<b>418.74</b>	1.8	<b>0.41</b>	1950	2.1	<b>0.48</b>	1900	3.5	<b>0.72</b>	1760	6.9	<b>1.3</b>	1590	3550	
	<b>454.06</b>	1.7	<b>0.38</b>	1970	2.0	<b>0.45</b>	1920	3.2	<b>0.67</b>	1790	6.4	<b>1.2</b>	1610	3550	
	<b>566.67</b>	1.3	<b>0.32</b>	2040	1.6	<b>0.37</b>	1990	2.6	<b>0.56</b>	1850	5.1	<b>1.0</b>	1660	3550	
	<b>614.47</b>	1.2	<b>0.21</b>	1460	1.5	<b>0.24</b>	1420	2.4	<b>0.37</b>	1320	4.7	<b>0.66</b>	1190	2650	
	<b>707.21</b>	1.1	<b>0.22</b>	1750	1.3	<b>0.26</b>	1730	2.1	<b>0.41</b>	1680	4.1	<b>0.78</b>	1620	3550	
	<b>766.86</b>	1.0	<b>0.17</b>	1510	1.2	<b>0.20</b>	1470	1.9	<b>0.30</b>	1360	3.8	<b>0.55</b>	1230	2650	
	<b>957.05</b>	0.78	<b>0.14</b>	1560	0.94	<b>0.17</b>	1520	1.5	<b>0.25</b>	1410	3.0	<b>0.45</b>	1270	2650	
	<b>1194.39</b>	0.63	<b>0.08</b>	1120	0.75	<b>0.10</b>	1090	1.2	<b>0.14</b>	1010	2.4	<b>0.26</b>	910	1920	