



## HYDROMOTOR POMALOBĚŽNÝ SÉRIE BMR

### Charakteristické vlastnosti:

- Hydromotor je určený až do tlaku 175 bar
- Tesnenie hriadeľa znesie vysoký tlak spiatočky a motor sa môže používať paralelne alebo sériovo.
- Špeciálna konštrukcia a predĺženie prevádzkovej životnosti
- Špeciálna konštrukcia rozvodného systému spĺňa požiadavky na nízku hlučnosť jednotky.
- Kompaktný objem a jednoduchá inštalácia

### Hlavná špecifikácia BMR - 25mm hriadeľ

Typ		BMR BMRS 36	BMR BMRS 50	BMR BMRS 80	BMR BMRS 100	BMR BMRS 125	BMR BMRS 160	BMR BMRS 200	BMR BMRS 250	BMR BMRS 315	BMR BMRS 375
Geometrický objem (cm <sup>3</sup> / ot)		36	51.7	81.5	102	127.2	157.2	194.5	253.3	317.5	381.4
Max. rýchlosť (rpm)	cont.	1085	960	750	600	475	378	310	240	190	155
	int.	1220	1150	940	750	600	475	385	300	240	190
Max. krútiaci moment (N·m)	cont.	72	100	195	240	300	360	360	390	390	365
	int.	83	126	220	280	340	430	440	490	535	495
	peak	105	165	270	320	370	460	560	640	650	680
Max. výstup (kW)	cont.	8.5	9.5	12.5	13.0	12.5	12.5	10.0	7.0	6.0	5.0
	int.	9.8	11.2	15.0	15.0	14.5	14.0	13.0	9.5	9.0	8.0
Max. tlak drop (MPa)	cont.	14.0	14	17.5	17.5	17.5	16.5	13	11	9	7
	int.	16.5	17.5	20	20	20	20	17.5	15	13	10
	peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	20	17.5	15
Max. prietok (L/min)	cont.	40	50	60	60	60	60	60	60	60	60
	int.	45	60	75	75	75	75	75	75	75	75
Hmotnosť (kg)		6.5	6.7	6.9	7	7.3	7.6	8.0	8.5	9.0	9.5

\* Trvalý tlak: Maximálna hodnota trvalej prevádzky motora.

\* Prerušovaný tlak: Maximálna hodnota prevádzkového motora za 6 sekúnd za minútu.

\* Špičkový tlak: Max. hodnota prevádzkového motora za 0,6 sekundy za minútu.

### Špecifikácia BMR s 32 mm hriadeľom

Typ		BMR 36	BMR 50	BMR 80	BMR 100	BMR 125	BMR 160	BMR 200	BMR 250	BMR 315	BMR 375
Geometrický objem (cm <sup>3</sup> /ot)		36	51.7	81.5	102	127.2	157.2	194.5	253.3	317.5	381.4
Max. rýchlosť (rpm)	cont.	1250	960	750	600	475	378	310	240	190	155
	int.	1520	1150	940	750	600	475	385	300	240	190
Max. krútiaci moment (N·m)	cont.	72	100	195	240	300	380	450	540	550	580
	int.	83	126	220	280	340	430	500	610	690	690
	peak	105	165	270	320	370	460	560	710	840	830
Max. výstup (kW)	cont.	8.5	9.5	12.5	13.0	12.5	12.5	11.0	10.0	9.0	7.5
	int.	9.8	11.2	15.0	15.0	14.5	14.0	13.0	12.0	10.0	9.0
Max. tlak drop (MPa)	cont.	14.0	14	17.5	17.5	17.5	17.5	17.5	17.5	13.5	11.5
	int.	16.5	17.5	20	20	20	20	20	20	17.5	15
	peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	21	17.5
Max. prietok (L/min)	cont.	45	50	60	60	60	60	60	60	60	60
	int.	55	60	75	75	75	75	75	75	75	75
Hmotnosť (kg)		6.5	6.7	6.9	7	7.3	7.6	8.0	8.5	9.0	9.5

\* Trvalý tlak: Maximálna hodnota trvalej prevádzky motora.

\* Prerušovaný tlak: Maximálna hodnota prevádzkového motora za 6 sekúnd za minútu.

\* Špičkový tlak: Max. hodnota prevádzkového motora za 0,6 sekundy za minútu.

## Údaje o výkonnosti

BMR 36 [36 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.		
		2	3	5	7	9	10	12.5	14.0	16.5
4		10	16	25	37	46	50			
		<b>105</b>	<b>100</b>	<b>92</b>	<b>80</b>	<b>71</b>	<b>58</b>			
8		9	15	25	37	47	50	63	71	83
		<b>208</b>	<b>200</b>	<b>188</b>	<b>175</b>	<b>158</b>	<b>149</b>	<b>134</b>	<b>120</b>	<b>108</b>
15		8	14	23	36	45	51	64	72	82
		<b>403</b>	<b>392</b>	<b>380</b>	<b>365</b>	<b>348</b>	<b>326</b>	<b>318</b>	<b>302</b>	<b>274</b>
20		6	13	22	35	44	50	64	72	82
		<b>540</b>	<b>531</b>	<b>518</b>	<b>500</b>	<b>483</b>	<b>462</b>	<b>450</b>	<b>435</b>	<b>412</b>
30		6	12	21	32	42	47	63	70	80
		<b>810</b>	<b>798</b>	<b>780</b>	<b>763</b>	<b>742</b>	<b>722</b>	<b>705</b>	<b>694</b>	<b>668</b>
Max.cont. 40		5	11	19	30	41	45	61	68	79
		<b>1092</b>	<b>1080</b>	<b>1069</b>	<b>1056</b>	<b>1042</b>	<b>1028</b>	<b>1011</b>	<b>984</b>	<b>957</b>
Max.int. 45		4	10	17	29	40	44	59	66	77
		<b>1230</b>	<b>1215</b>	<b>1194</b>	<b>1170</b>	<b>1150</b>	<b>1128</b>	<b>1100</b>	<b>1070</b>	<b>1020</b>

BMR 50 [51,7 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.	
		5	7	9	10	12	14	16	17.5
5		35	45	61	67	77	88		
		<b>93</b>	<b>84</b>	<b>76</b>	<b>73</b>	<b>69</b>	<b>46</b>		
10		36	46	62	69	80	95	108	120
		<b>186</b>	<b>178</b>	<b>166</b>	<b>162</b>	<b>153</b>	<b>136</b>	<b>118</b>	<b>97</b>
15		35	49	63	73	88	100	109	123
		<b>283</b>	<b>277</b>	<b>269</b>	<b>261</b>	<b>250</b>	<b>230</b>	<b>211</b>	<b>185</b>
20		34.5	47	61	69	83	96	109	126
		<b>377</b>	<b>375</b>	<b>365</b>	<b>361</b>	<b>346</b>	<b>330</b>	<b>302</b>	<b>270</b>
30		33	44	60	67	80	95	108	126
		<b>576</b>	<b>569</b>	<b>561</b>	<b>554</b>	<b>542</b>	<b>531</b>	<b>500</b>	<b>465</b>
40		30	41	58	66	79	92	106	122
		<b>760</b>	<b>758</b>	<b>753</b>	<b>750</b>	<b>738</b>	<b>724</b>	<b>700</b>	<b>670</b>
45		29.5	40	57	65	78	90	105	121
		<b>856</b>	<b>853</b>	<b>849</b>	<b>845</b>	<b>835</b>	<b>815</b>	<b>796</b>	<b>770</b>
50		26	37	53	60	73	85	99	114
		<b>950</b>	<b>940</b>	<b>925</b>	<b>906</b>	<b>880</b>	<b>852</b>	<b>832</b>	<b>801</b>
Max.int. 60		20	33	48	56	69	81	95	109
		<b>1138</b>	<b>1124</b>	<b>1100</b>	<b>1075</b>	<b>1056</b>	<b>1028</b>	<b>1006</b>	<b>970</b>

BMR 80 [81,5 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.		
		5	7	9	10	12	14	16	17.5	20
5		50	64	88	108	133				
		<b>59</b>	<b>56</b>	<b>50</b>	<b>44</b>	<b>38</b>				
10		54	77	99	108	129	150	173		
		<b>118</b>	<b>113</b>	<b>106</b>	<b>97</b>	<b>86</b>	<b>79</b>	<b>56</b>		
20		57	78.0	102	111	134	155	177	196	225
		<b>238</b>	<b>234</b>	<b>227</b>	<b>216</b>	<b>203</b>	<b>190</b>	<b>178</b>	<b>154</b>	<b>135</b>
30		54	75	100	108	131	152	176	195	223
		<b>360</b>	<b>352</b>	<b>340</b>	<b>332</b>	<b>316</b>	<b>302</b>	<b>290</b>	<b>274</b>	<b>250</b>
40		48	73	96	105	127	148	172	190	220
		<b>480</b>	<b>470</b>	<b>458</b>	<b>445</b>	<b>430</b>	<b>418</b>	<b>403</b>	<b>388</b>	<b>359</b>
50		42	70	93	102	124	147	170	188	218
		<b>604</b>	<b>595</b>	<b>582</b>	<b>570</b>	<b>556</b>	<b>540</b>	<b>521</b>	<b>504</b>	<b>487</b>
Max.cont. 60		37	66	89	98	121	144	166	184	213
		<b>726</b>	<b>715</b>	<b>704</b>	<b>692</b>	<b>678</b>	<b>663</b>	<b>647</b>	<b>622</b>	<b>594</b>
70		32	60	83	95	116	140	160	177	208
		<b>845</b>	<b>834</b>	<b>820</b>	<b>802</b>	<b>789</b>	<b>767</b>	<b>754</b>	<b>730</b>	<b>705</b>
Max.int. 75		21	50	78	90	111	135	154	171	200
		<b>910</b>	<b>895</b>	<b>881</b>	<b>867</b>	<b>852</b>	<b>830</b>	<b>806</b>	<b>787</b>	<b>756</b>

BMR 100 [102 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.		
		5	7	9	10	12	14	16	17.5	20
5		66	92	120	135	156				
		<b>45</b>	<b>42</b>	<b>38</b>	<b>34</b>	<b>27</b>				
10		68	96	125	138	159	188	212		
		<b>93</b>	<b>90</b>	<b>86</b>	<b>81</b>	<b>74</b>	<b>57</b>	<b>42</b>		
20		65	94.0	123	137	155	186	210	238	274
		<b>189</b>	<b>185</b>	<b>180</b>	<b>173</b>	<b>165</b>	<b>158</b>	<b>150</b>	<b>139</b>	<b>118</b>
30		63	92	120	133	153	185	209	235	270
		<b>286</b>	<b>281</b>	<b>275</b>	<b>266</b>	<b>257</b>	<b>246</b>	<b>237</b>	<b>225</b>	<b>207</b>
40		57	88	117	130	152	185	208	233	267
		<b>385</b>	<b>378</b>	<b>365</b>	<b>355</b>	<b>345</b>	<b>332</b>	<b>320</b>	<b>314</b>	<b>297</b>
50		48	79	110	123	150	183	204	228	260
		<b>482</b>	<b>477</b>	<b>470</b>	<b>460</b>	<b>448</b>	<b>435</b>	<b>420</b>	<b>405</b>	<b>389</b>
Max.cont. 60		38	70	105	120	144	178	200	220	252
		<b>580</b>	<b>572</b>	<b>560</b>	<b>548</b>	<b>535</b>	<b>523</b>	<b>510</b>	<b>500</b>	<b>478</b>
70		32	65	100	118	141	176	197	215	246
		<b>678</b>	<b>670</b>	<b>660</b>	<b>648</b>	<b>638</b>	<b>626</b>	<b>615</b>	<b>606</b>	<b>580</b>
Max.int. 75		23	59	93	111	136	170	192	210	240
		<b>728</b>	<b>720</b>	<b>710</b>	<b>695</b>	<b>681</b>	<b>667</b>	<b>650</b>	<b>634</b>	<b>618</b>

Krútiaci moment (N·m) 135  
Rýchlosť (rpm) 830

cont.  
int.

## Údaje o výkonnosti

BMR 125 [127,2 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.		
		5	7	9	10	12	14	16	17,5	20
5		76	110	145	167	189				
	Max.int.	<b>36</b>	<b>31</b>	<b>25</b>	<b>19</b>	<b>13</b>				
10		84	118	155	176	202	228	253		
	Max.int.	<b>73</b>	<b>70</b>	<b>60</b>	<b>48</b>	<b>36</b>	<b>25</b>	<b>19</b>		
20		82	117	153	174	200	230	259	294	332
	Max.int.	<b>153</b>	<b>151</b>	<b>148</b>	<b>144</b>	<b>138</b>	<b>128</b>	<b>117</b>	<b>104</b>	<b>73</b>
30		79	116	151	171	198	228	257	292	329
	Max.int.	<b>231</b>	<b>228</b>	<b>224</b>	<b>218</b>	<b>210</b>	<b>201</b>	<b>183</b>	<b>168</b>	<b>137</b>
40		72	114	148	168	196	226	256	290	327
	Max.int.	<b>309</b>	<b>307</b>	<b>303</b>	<b>298</b>	<b>292</b>	<b>280</b>	<b>270</b>	<b>252</b>	<b>218</b>
50		62	105	143	165	195	223	254	287	323
	Max.int.	<b>389</b>	<b>386</b>	<b>382</b>	<b>378</b>	<b>370</b>	<b>360</b>	<b>344</b>	<b>328</b>	<b>292</b>
60		52	98	136	160	191	220	250	282	319
	Max.int.	<b>467</b>	<b>463</b>	<b>459</b>	<b>456</b>	<b>448</b>	<b>427</b>	<b>410</b>	<b>399</b>	<b>352</b>
70		41	90	130	156	187	215	242	278	313
	Max.int.	<b>545</b>	<b>542</b>	<b>538</b>	<b>534</b>	<b>529</b>	<b>520</b>	<b>508</b>	<b>486</b>	<b>430</b>
75		32	79	126	148	180	208	234	262	300
	Max.int.	<b>586</b>	<b>583</b>	<b>578</b>	<b>570</b>	<b>560</b>	<b>546</b>	<b>532</b>	<b>520</b>	<b>480</b>

BMR 160 [157,2 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.		
		5	7	9	10	12	14	16	17,5	20
5		104	146	190	210	245				
	Max.int.	<b>26</b>	<b>23</b>	<b>20</b>	<b>16</b>	<b>10</b>				
10		107	150	195	216	250	290	335		
	Max.int.	<b>59</b>	<b>56</b>	<b>50</b>	<b>45</b>	<b>37</b>	<b>30</b>	<b>22</b>		
20		102	151	198	220	257	298	342	370	420
	Max.int.	<b>121</b>	<b>118</b>	<b>115</b>	<b>113</b>	<b>108</b>	<b>102</b>	<b>97</b>	<b>90</b>	<b>78</b>
30		97	146	190	217	256	295	340	368	416
	Max.int.	<b>184</b>	<b>178</b>	<b>173</b>	<b>170</b>	<b>164</b>	<b>155</b>	<b>143</b>	<b>128</b>	<b>103</b>
40		89	140	185	210	252	290	335	363	412
	Max.int.	<b>246</b>	<b>241</b>	<b>235</b>	<b>228</b>	<b>220</b>	<b>210</b>	<b>194</b>	<b>177</b>	<b>150</b>
50		72	128	179	202	244	284	327	358	409
	Max.int.	<b>310</b>	<b>307</b>	<b>300</b>	<b>295</b>	<b>287</b>	<b>278</b>	<b>262</b>	<b>247</b>	<b>210</b>
60		60	116	170	198	240	279	321	352	400
	Max.int.	<b>374</b>	<b>367</b>	<b>359</b>	<b>354</b>	<b>346</b>	<b>338</b>	<b>323</b>	<b>306</b>	<b>265</b>
70		49	107	164	193	233	271	309	344	390
	Max.int.	<b>437</b>	<b>430</b>	<b>421</b>	<b>415</b>	<b>403</b>	<b>393</b>	<b>381</b>	<b>365</b>	<b>318</b>
75		36	98	152	185	226	265	300	334	379
	Max.int.	<b>472</b>	<b>463</b>	<b>450</b>	<b>441</b>	<b>431</b>	<b>420</b>	<b>405</b>	<b>389</b>	<b>365</b>

BMR 200 [194,5 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.		
		5	7	9	10	12	14	16	17,5	20
5		132	181	238	262	310				
	Max.int.	<b>24</b>	<b>22</b>	<b>18</b>	<b>13</b>	<b>10</b>				
10		135	186	240	264	315	356	403		
	Max.int.	<b>49</b>	<b>47</b>	<b>45</b>	<b>43</b>	<b>38</b>	<b>33</b>	<b>24</b>		
20		131	183	238	260	314	358	404	438	498
	Max.int.	<b>99</b>	<b>97</b>	<b>94</b>	<b>92</b>	<b>88</b>	<b>83</b>	<b>74</b>	<b>64</b>	<b>56</b>
30		126	178	233	254	311	355	402	431	486
	Max.int.	<b>149</b>	<b>147</b>	<b>144</b>	<b>141</b>	<b>135</b>	<b>126</b>	<b>113</b>	<b>105</b>	<b>91</b>
40		112	169	228	250	307	352	400	426	477
	Max.int.	<b>200</b>	<b>197</b>	<b>194</b>	<b>191</b>	<b>185</b>	<b>174</b>	<b>160</b>	<b>151</b>	<b>127</b>
50		95	156	221	246	300	350	398	421	470
	Max.int.	<b>252</b>	<b>249</b>	<b>246</b>	<b>243</b>	<b>238</b>	<b>228</b>	<b>212</b>	<b>194</b>	<b>161</b>
60		78	145	213	238	289	342	386	412	459
	Max.int.	<b>304</b>	<b>301</b>	<b>298</b>	<b>294</b>	<b>286</b>	<b>276</b>	<b>262</b>	<b>243</b>	<b>218</b>
70		67	135	206	228	277	336	375	408	453
	Max.int.	<b>355</b>	<b>353</b>	<b>349</b>	<b>340</b>	<b>329</b>	<b>316</b>	<b>300</b>	<b>288</b>	<b>257</b>
75		58	125	197	220	270	321	360	398	442
	Max.int.	<b>382</b>	<b>379</b>	<b>373</b>	<b>362</b>	<b>350</b>	<b>337</b>	<b>322</b>	<b>312</b>	<b>278</b>

BMR 250 [253,5 cm<sup>3</sup>/ot]  
Tlak (MPa)

						Max.cont.		Max.int.		
		5	7	9	10	12	14	16	17,5	20
5		175	243	304	342	407				
	Max.int.	<b>17</b>	<b>16</b>	<b>14</b>	<b>12</b>	<b>10</b>				
10		178	246	310	344	409	465	525		
	Max.int.	<b>37</b>	<b>35</b>	<b>31</b>	<b>28</b>	<b>23</b>	<b>18</b>	<b>11</b>		
20		175	244	308	340	408	463	520	558	636
	Max.int.	<b>75</b>	<b>73</b>	<b>72</b>	<b>70</b>	<b>66</b>	<b>58</b>	<b>53</b>	<b>50</b>	<b>42</b>
30		162	235	304	332	400	455	516	550	621
	Max.int.	<b>114</b>	<b>111</b>	<b>108</b>	<b>106</b>	<b>100</b>	<b>92</b>	<b>83</b>	<b>77</b>	<b>65</b>
40		143	223	300	329	396	447	512	546	617
	Max.int.	<b>154</b>	<b>152</b>	<b>150</b>	<b>147</b>	<b>143</b>	<b>132</b>	<b>120</b>	<b>110</b>	<b>90</b>
50		124	208	289	323	384	440	503	535	600
	Max.int.	<b>193</b>	<b>190</b>	<b>187</b>	<b>174</b>	<b>168</b>	<b>160</b>	<b>149</b>	<b>140</b>	<b>116</b>
60		103	192	280	314	371	426	489	514	578
	Max.int.	<b>233</b>	<b>230</b>	<b>227</b>	<b>224</b>	<b>218</b>	<b>205</b>	<b>190</b>	<b>181</b>	<b>155</b>
70		88	178	264	301	356	418	479	498	560
	Max.int.	<b>273</b>	<b>270</b>	<b>267</b>	<b>263</b>	<b>252</b>	<b>242</b>	<b>226</b>	<b>209</b>	<b>173</b>
75		62	165	256	288	347	412	474	486	542
	Max.int.	<b>294</b>	<b>291</b>	<b>287</b>	<b>283</b>	<b>274</b>	<b>263</b>	<b>249</b>	<b>236</b>	<b>211</b>

□ cont.  
■ int.

Krútiaci moment (N·m) 256  
Rýchlosť (rpm) 287



## Údaje o výkonnosti

BMR 315 [317,5 cm<sup>3</sup>/ot]  
Tlak (MPa)

		Max.cont.						Max.int.		
		5	7	9	10	12	14	16	17.5	
Prietok (L/min)	5	215 <b>13</b>	302 <b>11</b>							
	10	218 <b>28</b>	305 <b>27</b>	383 <b>25</b>	422 <b>24</b>	488 <b>21</b>	551 <b>18</b>	622 <b>13</b>		
	20	215 <b>60</b>	303 <b>59</b>	380 <b>57</b>	418 <b>55</b>	485 <b>52</b>	549 <b>49</b>	620 <b>45</b>	660 <b>42</b>	
	30	204 <b>91</b>	296 <b>89</b>	375 <b>86</b>	413 <b>84</b>	480 <b>81</b>	542 <b>78</b>	613 <b>72</b>	654 <b>67</b>	
	40	196 <b>122</b>	287 <b>120</b>	368 <b>117</b>	410 <b>112</b>	477 <b>106</b>	539 <b>100</b>	609 <b>94</b>	650 <b>85</b>	
	50	176 <b>154</b>	270 <b>151</b>	356 <b>147</b>	393 <b>140</b>	461 <b>131</b>	526 <b>120</b>	597 <b>109</b>	645 <b>100</b>	
	Max.cont.	60	162 <b>185</b>	246 <b>182</b>	339 <b>177</b>	374 <b>172</b>	446 <b>163</b>	511 <b>152</b>	586 <b>140</b>	628 <b>134</b>
		70	143 <b>217</b>	235 <b>213</b>	324 <b>208</b>	358 <b>201</b>	430 <b>190</b>	493 <b>178</b>	562 <b>166</b>	614 <b>158</b>
	Max.int.	75	125 <b>232</b>	212 <b>228</b>	303 <b>222</b>	339 <b>216</b>	417 <b>208</b>	481 <b>200</b>	543 <b>183</b>	582 <b>171</b>

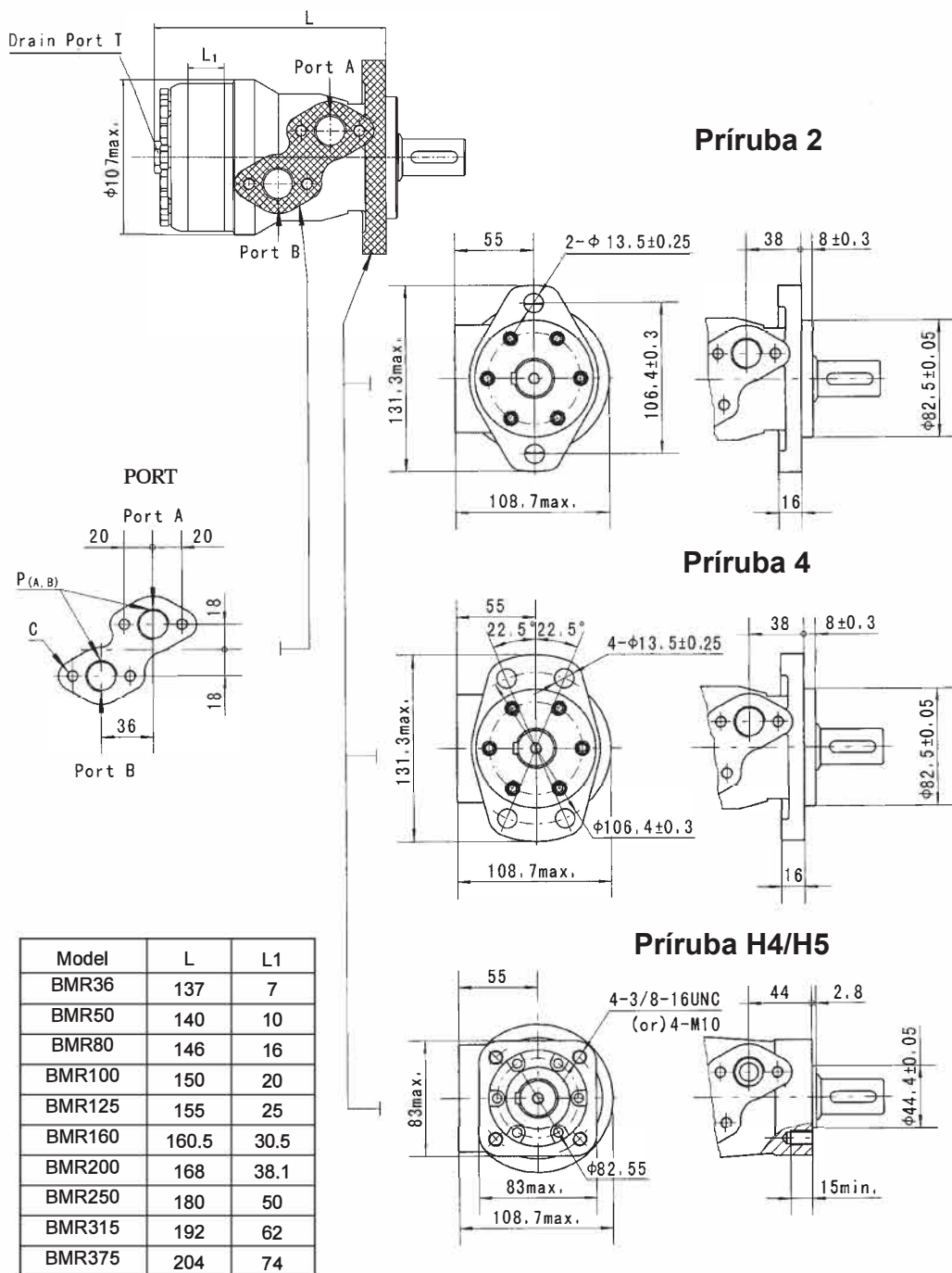
BMR 375 [381,4 cm<sup>3</sup>/ot]  
Tlak (MPa)

		Max.cont.						Max.int.		
		3	4.5	5.5	6.5	8	10	12.5	14	
Prietok (L/min)	5	153 <b>12</b>	232 <b>10</b>							
	10	157 <b>24</b>	236 <b>23</b>	284 <b>22</b>	337 <b>21</b>	406 <b>19</b>	497 <b>17</b>	612 <b>15</b>	668 <b>12</b>	
	20	150 <b>49</b>	232 <b>48</b>	280 <b>47</b>	332 <b>46</b>	401 <b>44</b>	490 <b>41</b>	606 <b>38</b>	660 <b>32</b>	
	30	142 <b>76</b>	215 <b>75</b>	274 <b>74</b>	327 <b>73</b>	398 <b>71</b>	483 <b>67</b>	603 <b>63</b>	652 <b>50</b>	
	40	126 <b>103</b>	212 <b>101</b>	268 <b>99</b>	320 <b>97</b>	393 <b>95</b>	477 <b>92</b>	593 <b>88</b>	635 <b>70</b>	
	50	105 <b>128</b>	187 <b>126</b>	242 <b>124</b>	302 <b>121</b>	376 <b>118</b>	455 <b>115</b>	583 <b>111</b>	608 <b>96</b>	
	Max.cont.	60	90 <b>154</b>	167 <b>152</b>	229 <b>150</b>	281 <b>148</b>	362 <b>145</b>	444 <b>138</b>	566 <b>130</b>	600 <b>121</b>
		70	90 <b>180</b>	149 <b>179</b>	200 <b>178</b>	258 <b>176</b>	341 <b>173</b>	425 <b>168</b>	546 <b>160</b>	580 <b>148</b>
	Max.int.	75	56 <b>195</b>	125 <b>194</b>	182 <b>193</b>	241 <b>191</b>	320 <b>189</b>	408 <b>185</b>	524 <b>178</b>	565 <b>170</b>

Krútiaci moment (N•m) 481  
Rýchlosť (rpm) 200

 cont.  
 int.

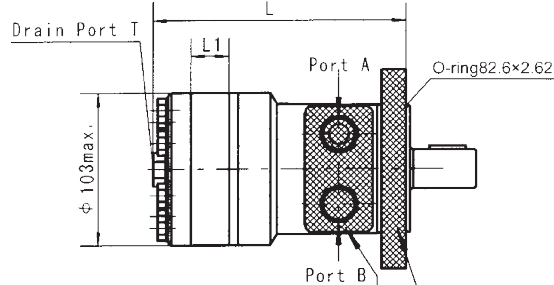
### BMR Rozmery a montážne parametre



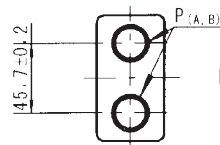


### BMRS DIMENSIONS AND MOUNTING DATA

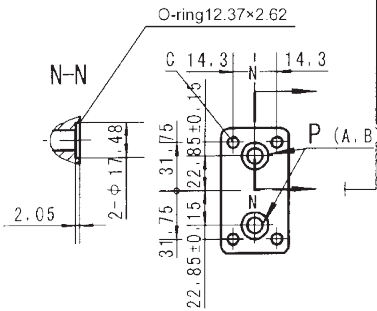
#### MOUNTING



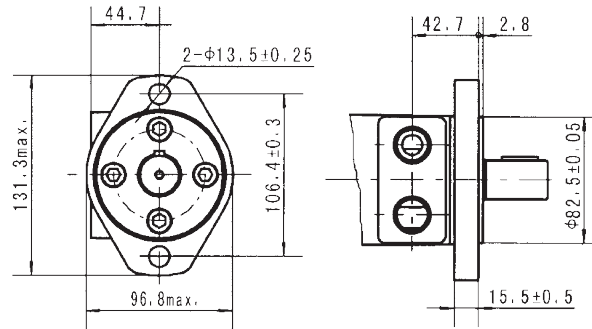
PORT: G, S, P, R, M1, M2, M3



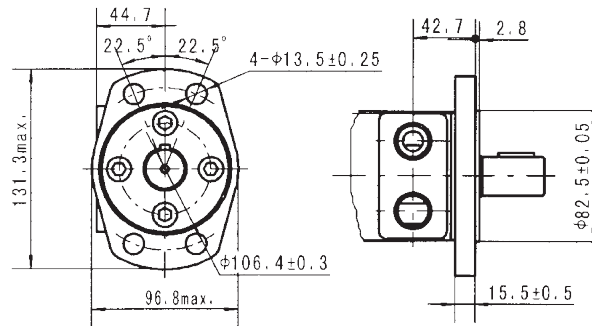
PORT: B4, B5



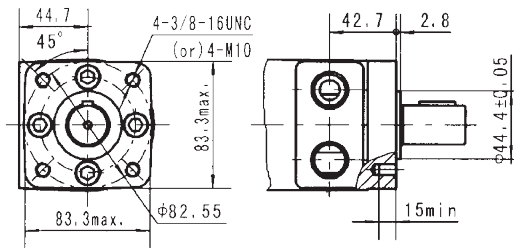
Flange H2



Flange H6



Flange H4/H5

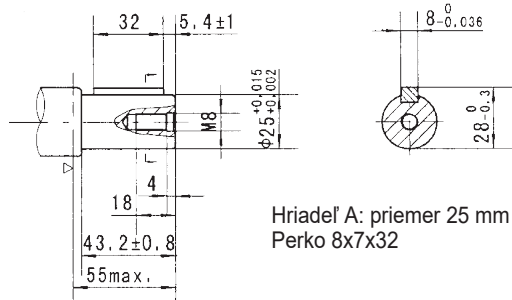


Model	L	L1
BMRS36	143	7
BMRS50	146	10
BMRS80	152	16
BMRS100	156	20
BMRS125	161	25
BMRS160	166.5	30.5
BMRS200	174	38.1
BMRS250	186	50
BMRS315	198	62
BMRS375	210	74

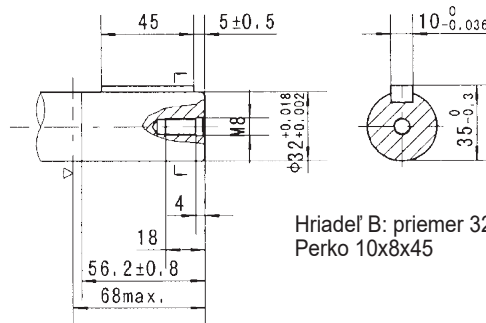
Note: The size L of the BMRS N1 should be increased by 2mm.

Code	G (depth)	S (depth)	P (depth)	R (depth)	M1 (depth)	M2 (depth)	M3 (depth)	B4 (depth)	B5 (depth)
P(A,B)	G1/2 (15)	7/8-14 O-ring (17)	1/2-14NPTF (15)	PT(RC)1/2 (15)	M18 x 1.5 (15)	M20 x 1.5 (15)	M22 x 1.5 (15)	∅10	∅10
T	G1/4 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)	M10 x 1 (12)	M10 x 1 (12)	M10 x 1 (12)	7/16-20UNF(12)	G1/4(12)
C	-	-	-	-	-	-	-	4-5/16-18UNC(13)	4-M8(13)

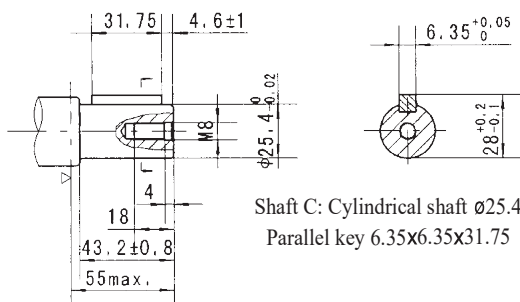
## Druhy hriadel'ov BMR



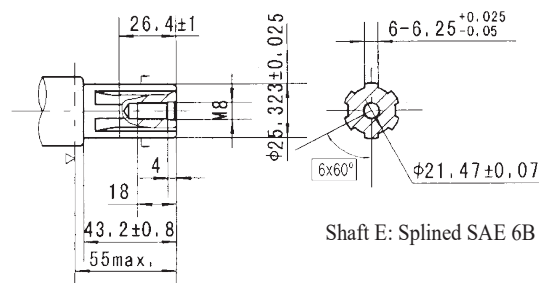
Hriadel' A: priemer 25 mm  
 Perko 8x7x32



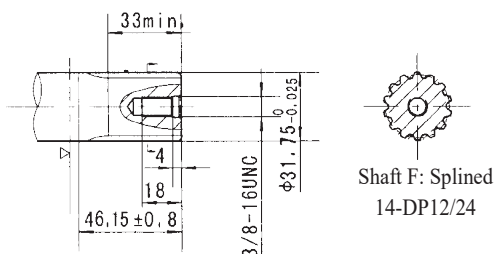
Hriadel' B: priemer 32 mm  
 Perko 10x8x45



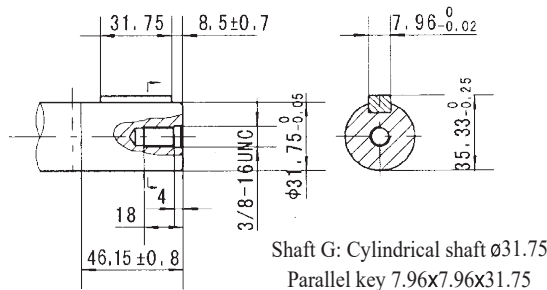
Shaft C: Cylindrical shaft  $\phi 25.4$   
 Parallel key 6.35x6.35x31.75



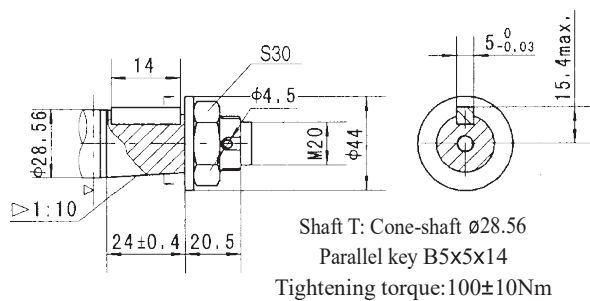
Shaft E: Splined SAE 6B



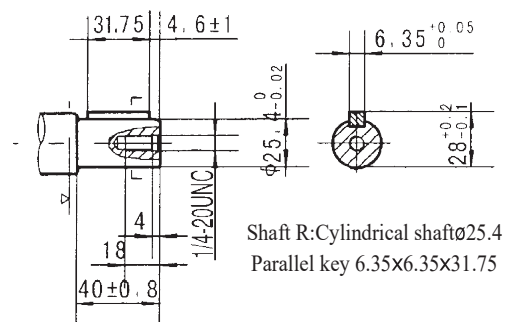
Shaft F: Splined  
 14-DP12/24



Shaft G: Cylindrical shaft  $\phi 31.75$   
 Parallel key 7.96x7.96x31.75

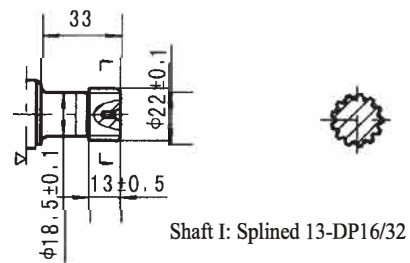
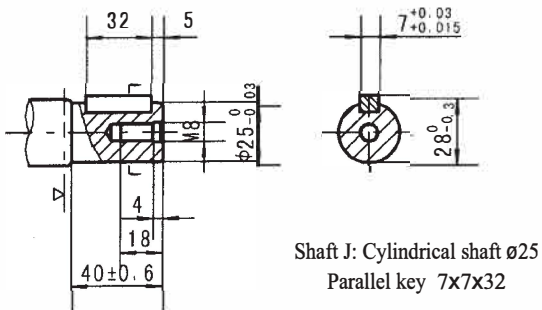
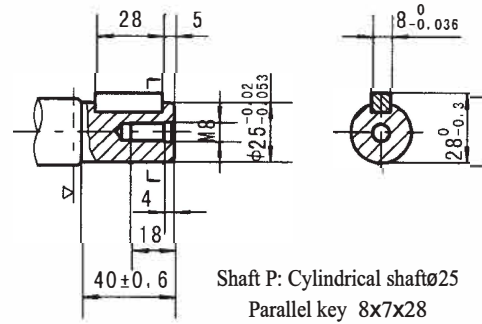
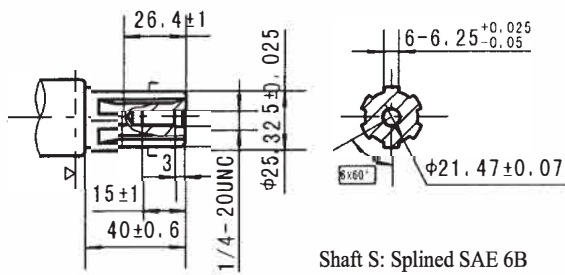
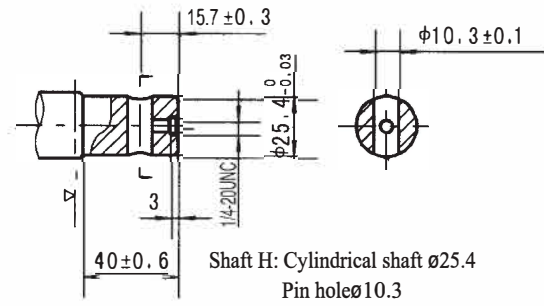
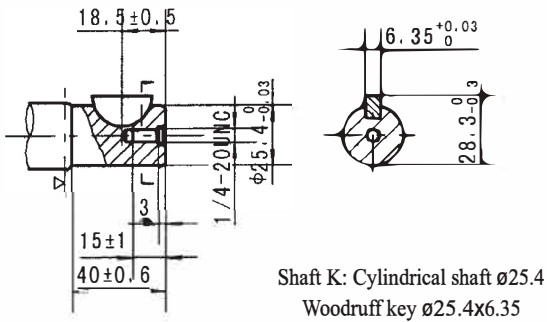


Shaft T: Cone-shaft  $\phi 28.56$   
 Parallel key B5x5x14  
 Tightening torque: 100 ± 10 Nm

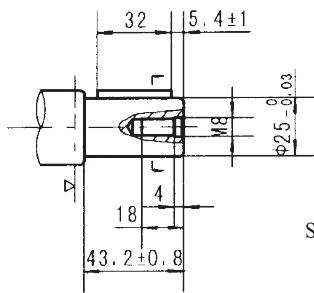


Shaft R: Cylindrical shaft  $\phi 25.4$   
 Parallel key 6.35x6.35x31.75

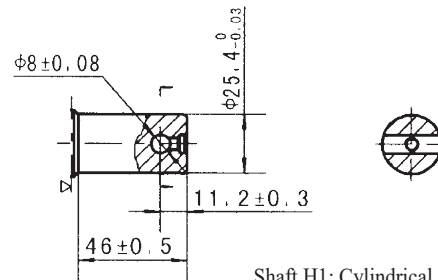
BMRS SHAFT EXTENSIONS DIMENSIDNS DATA



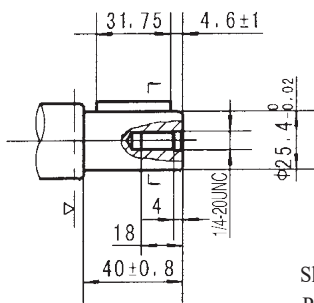
### BMRS SHAFT EXTENSIONS DIMENSIONS DATA



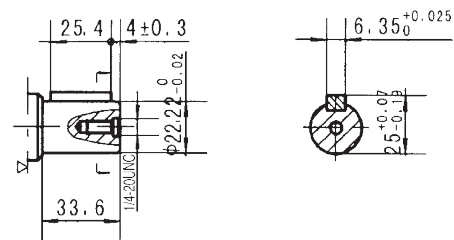
Shaft A: Cylindrical shaft ø25  
 Parallel key 8x7x32



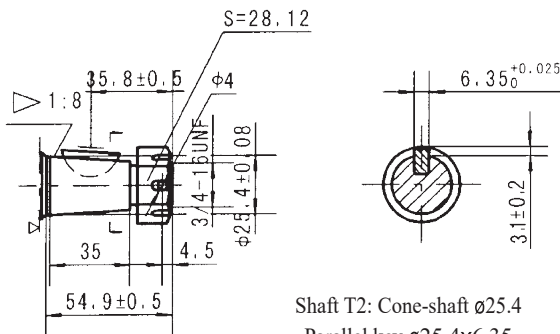
Shaft H1: Cylindrical shaft ø25.4  
 Pin hole ø8



Shaft R: Cylindrical shaft ø25.4  
 Parallel key 6.35x6.35x31.75

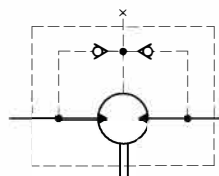


Shaft D: Cylindrical shaft ø22.22  
 Parallel key 6.35x6.35x25.4

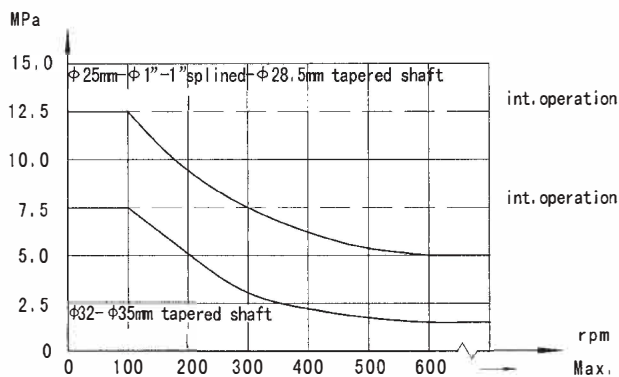
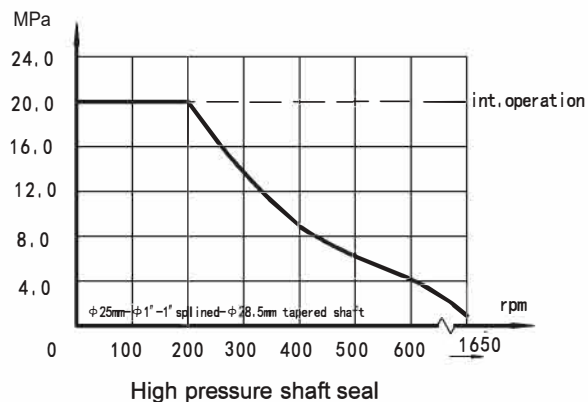


Shaft T2: Cone-shaft ø25.4  
 Parallel key ø25.4x6.35  
 Tightening torque: 200 ± 10 Nm

### BMR, BMRS Hydromotor



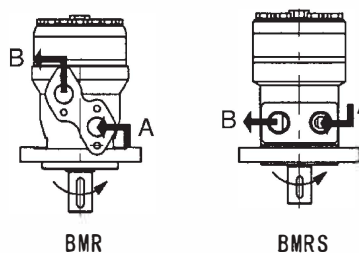
#### Tabuľka tlaku hriadeľových tesnení



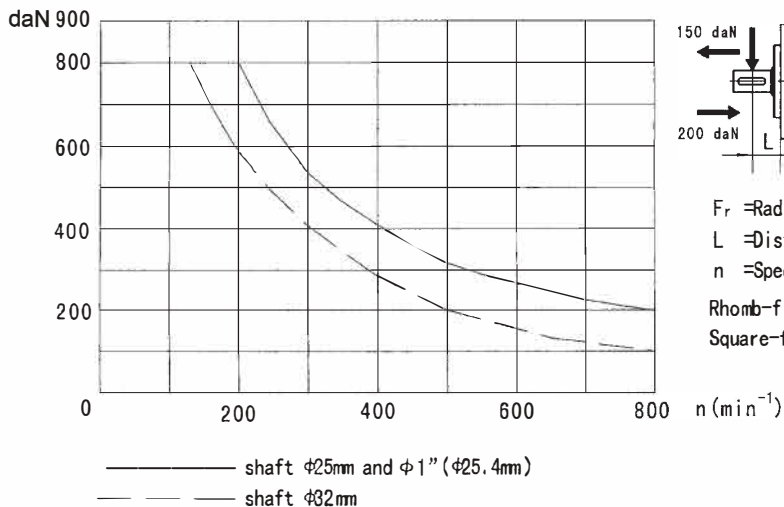
In applications without drain line, output shaft seal exceeds a bit of the pressure in the return line. When applications use the drain line, the pressure of output shaft seal equals the pressure in drain line.

#### Direction of shaft rotation : Standard

When facing shaft end of motor, shaft to rotate:  
 Clockwise when port "A" is pressurized.  
 Counter-clockwise when port "B" is pressurized.



#### Status of the shaft's radial force (Standard motor with journal bearing)



#### Oil flow in drain line

The table shows the Max. oil flow in the drain line at a return pressure less than 0.5-1MPa.

Pressure drop (MPa)	Viscosity (mm <sup>2</sup> /s)	Oil flow in the drain line (L/min.)
10	20	2.5
	35	1.8
14	20	3.5
	35	2.8



## Objednávkové značenie

Pos.1	2	3	4	5	6	7	8				
Kód	Veľkosť	Príruba	Výstupný hriadeľ	Porty	Smer rotácie	Farebnosť	Použitie				
BMR	36 50 80 100 125 160 200 250 315 375	2 4 H4 H5	2-Ø13.5Rhomb-flange, pilot Ø82.5×8 4-Ø13.5Rhomb-flange, pilot Ø82.5×8 4-3/8-16 Square-flange, pilot Ø44.4×2.8 4-M10 Square-flange, pilot Ø44.4×2.8	A Shaft Ø25, parallel Key 8x7x32 C Shaft Ø25.4, parallel Key 6.35x6.35x31.75 E Shaft Ø25.4, splined tooth SAE 6B R Short shaft Ø25.4, parallel key 6.35x6.35x31.75 T Cone-Shaft Ø28.56, parallel Key B5x5x14 B Shaft Ø32, parallel Key 10x8x45 F Shaft Ø31.75, splined tooth 14-DP12/24 FD Long shaft Ø31.75, splined tooth 14-DP12/24 G Shaft Ø31.75, parallel Key 7.96x7.96x31.75	D G1/2 Manifold Mount 4-M8, G1/4 M M22×1.5 Manifold Mount 4-M8, M14×1.5 S 7/8-14 O-ring manifold 4-5/16-18UNC, 7/16-20UNF P 1/2-14 NPTF Manifold 4-5/16-18UNC, 7/16-20UNF R PT(Rc)1/2 Manifold 4-M8, PT(Rc)1/4	Omit R	Standard Opposite	00 Omit B S	No paint Blue Black Silver grey	Omit N1 0 F LS	Standard Big radial force No case drain Free Running Low Speed

Note: The shafts of B\F\FD\G\T1\T3 are only suitable for flanges of 2 and 4.

Pos.1	2	3	4	5	6	7	8				
Code	Disp.	Flange	Output Shaft	Ports and Drain Port	Rotation Direction	Paint	Unusually Function				
BMRS	36 50 80 100 125 160 200 250 315 375	H2 H6 H4 H5	2-Ø13.5Rhomb-flange, pilot Ø82.5×2.8 4-Ø13.5Rhomb-flange, pilot Ø82.5×2.8 4-3/8-16 Square-flange, pilot Ø44.4×2.8 4-M10 Square-flange, pilot Ø44.4×2.8	K Shaft Ø25.4, Woodruff Key Ø25.4×6.35 S Sub-shaft Ø25.4, splined tooth SAE 6B A Shaft Ø25, parallel key 8×7×32 R Shaft Ø25.4, parallel key 6.35×6.35×31.75 H Sub-shaft Ø25.4, Pin hole Ø10.3 H1 Shaft Ø25.4, pin hole Ø8 D Shaft Ø22.22, parallel key 6.35×6.35×25.4 I Shaft Ø22.22, splined tooth 13-DP16/32 T2 Cone shaft Ø25.4, woodruff key Ø25.4×6.35 P Shaft Ø25, parallel Key 8×7×28 J Shaft Ø25, parallel Key 7×7×32	G G1/2, G1/4 S 7/8-14 O-ring manifold 7/16-20UNF (G1/4) P 1/2-14 NPTF, 7/16-20UNF (G1/4) T 3/4-16 O-ring, 7/16-20UNF R PT(Rc)1/2, PT(Rc)1/4 B4 Ø10 O-ring manifold 4x5/16-18, 7/16-20UNF B5 Ø10 O-ring manifold 4xM8, G1/4 M1 M18×1.5, M10×1 M2 M20×1.5, M10×1 M3 M22×1.5, M10×1	Omit R	Standard Opposite	00 Omit B S	No paint Blue Black Silver grey	Omit N1 0 F LS	Standard Big radial force No case drain Free Running Low Speed

Note: When the table is used, please fill the code of left rows in dash area and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports. If the specification is not in the table or you have specific requirements, please contact us.