

**Fixed displacement bent-axis pumps and motors**

PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)	Sam Hydraulik (Italy)
310.12	A2F12 A2FM12 A2FO12	F11-14	-	H1C12
310.4.28	A2F28 A2FM28 A2FO28	F12-30	-	H1C30
310.3.56 411.0.56	A2FO56	F12-60	-	H1C55
411.0.56.R.A2.F40.NN.B.Y1	A2FO56/61R-VAB05	-	-	-
411.0.56.R.A1.F40.NN.B.Y1	A2FO56/61R-ZAB05	-	-	-
411.0.56.R.Z3.F40.NN.B.Y1	A2FO56/61R-BAB05	-	-	-
411.0.56.R.Z1.F40.NN.B.Y1	A2FO56/61R-PAB05	-	-	-
411.0.56.L.A2.F40.NN.B.Y1	A2FO56/61L-VAB05	-	-	-
411.0.56.L.A1.F40.NN.B.Y1	A2FO56/61L-ZAB05	-	-	-
411.0.56.L.Z3.F40.NN.B.Y1	A2FO56/61L-BAB05	-	-	-
411.0.56.L.Z1.F40.NN.B.Y1	A2FO56/61L-PAB05	-	-	-
310.3.56 410.0.56	A2FM56	F12-60	-	-
410.0.56.W.A1.F10	A2FM56/61W-VZB010	-	-	-
410.0.56.W.A2.F10	A2FM56/61W-VAB010	-	-	-
410.0.56.W.Z1.F10	A2FM56/61W-VPB010	-	-	-
410.0.56.W.Z3.F10	A2FM56/61W-VBB010	-	-	-
410.0.56.W.A1.F20	A2FM56/61W-VZB020	-	-	-
410.0.56.W.A2.F20	A2FM56/61W-VAB020	-	-	-
410.0.56.W.Z1.F20	A2FM56/61W-VPB020	-	-	-
410.0.56.W.Z3.F20	A2FM56/61W-VBB020	-	-	-
410.0.56.W.A1.F21	A2FM56/61W-VZB027	-	-	-
410.0.56.W.A2.F21	A2FM56/61W-VAB027	-	-	-
410.0.56.W.Z1.F21	A2FM56/61W-VPB027	-	-	-
410.0.56.W.Z3.F21	A2FM56/61W-VBB027	-	-	-
410.0.56.W.A1.F30	A2FM56/61W-VZB100	-	-	-
410.0.56.W.A2.F30	A2FM56/61W-VAB100	-	-	-
410.0.56.W.Z1.F30	A2FM56/61W-VPB100	-	-	-
410.0.56.W.Z3.F30	A2FM56/61W-VBB100	-	-	-
410.0.56.W.A1.F32	A2FM56/61W-VZB191	-	-	-
410.0.56.W.A2.F32	A2FM56/61W-VAB191	-	-	-
410.0.56.W.Z1.F32	A2FM56/61W-VPB191	-	-	-
410.0.56.W.Z3.F32	A2FM56/61W-VBB191	-	-	-
410.0.56.W.A1.F33	A2FM56/61W-VZB191	-	-	-
410.0.56.W.A2.F33	A2FM56/61W-VAB191	-	-	-
410.0.56.W.Z1.F33	A2FM56/61W-VPB191	-	-	-
410.0.56.W.Z3.F33	A2FM56/61W-VBB191	-	-	-
410.0.56.W.A1.F34	A2FM56/61W-VZB191	-	-	-
410.0.56.W.A2.F34	A2FM56/61W-VAB191	-	-	-
410.0.56.W.Z3.F34	A2FM56/61W-VBB191	-	-	-
410.0.56.W.A1.F35	A2FM56/61W-VZB191	-	-	-
410.0.56.W.A2.F35	A2FM56/61W-VAB191	-	-	-
410.0.56.W.Z1.F35	A2FM56/61W-VPB191	-	-	-
410.0.56.W.Z3.F35	A2FM56/61W-VBB191	-	-	-
410.1.56	A2FE56	F12-60...C...	-	-
410.1.56.W.A1.F10	A2FE56/61W-NZL010	-	-	-
410.1.56.W.A2.F10	A2FE56/61W-NAL010	-	-	-
410.1.56.W.A1.F20	A2FE56/61W-NZL010	-	-	-
410.1.56.W.A1.F20	A2FE56/61W-NZL100	-	-	-
410.1.56.W.A2.F20	A2FE56/61W-NAL010	-	-	-
410.1.56.W.A2.F20	A2FE56/61W-NAL100	-	-	-
410.1.56.W.A1.F21	A2FE56/61W-NZL106	-	-	-
410.1.56.W.A2.F21	A2FE56/61W-NAL106	-	-	-
410.1.56.W.A1.F30	A2FE56/61W-NZL100	-	-	-
410.1.56.W.A2.F30	A2FE56/61W-NAL100	-	-	-
410.1.56.W.A1.F32	A2FE56/61W-NZL191	-	-	-
410.1.56.W.A2.F32	A2FE56/61W-NAL191	-	-	-

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410.1.56.W.A1.F33	A2FE56/61W-NZL191	-	-	-
410.1.56.W.A2.F33	A2FE56/61W-NAL191	-	-	-
410.1.56.W.A1.F34	A2FE56/61W-NZL191	-	-	-
410.1.56.W.A2.F34	A2FE56/61W-NAL191	-	-	-
410.1.56.W.A1.F35	A2FE56/61W-NZL191	-	-	-
410.1.56.W.A2.F35	A2FE56/61W-NAL191	-	-	-
310.4.80	A2F80 A2FM80 A2FO80	F12-80	-	H1C75
411.0.107	A2F107 A2FO107	F12-110	-	-
411.0.107.R.A4.F40.NN.B.Y1	A2FO107/61R-VAB05	-	-	-
411.0.107.R.A3.F40.NN.B.Y1	A2FO107/61R-ZAB05	-	-	-
411.0.107.R.Z4.F40.NN.B.Y1	A2FO107/61R-BAB05	-	-	-
411.0.107.R.Z2.F40.NN.B.Y1	A2FO107/61R-PAB05	-	-	-
411.0.107.L.A4.F40.NN.B.Y1	A2FO107/61L-VAB05	-	-	-
411.0.107.L.A3.F40.NN.B.Y1	A2FO107/61L-ZAB05	-	-	-
411.0.107.L.Z4.F40.NN.B.Y1	A2FO107/61L-BAB05	-	-	-
411.0.107.L.Z2.F40.NN.B.Y1	A2FO107/61L-PAB05	-	-	-
410.0.107	A2FM107	F12-110	-	-
410.0.107.W.A3.F10	A2FM107/61W-VZB010	-	-	-
410.0.107.W.A4.F10	A2FM107/61W-VAB010	-	-	-
410.0.107.W.Z2.F10	A2FM107/61W-VPB010	-	-	-
410.0.107.W.Z4.F10	A2FM107/61W-VBB010	-	-	-
410.0.107.W.A3.F20	A2FM107/61W-VZB020	-	-	-
410.0.107.W.A4.F20	A2FM107/61W-VAB020	-	-	-
410.0.107.W.Z2.F20	A2FM107/61W-VPB020	-	-	-
410.0.107.W.Z4.F20	A2FM107/61W-VBB020	-	-	-
410.0.107.W.A3.F21	A2FM107/61W-VZB027	-	-	-
410.0.107.W.A4.F21	A2FM107/61W-VAB027	-	-	-
410.0.107.W.Z2.F21	A2FM107/61W-VPB027	-	-	-
410.0.107.W.Z4.F21	A2FM107/61W-VBB027	-	-	-
410.0.107.W.A3.F30	A2FM107/61W-VZB100	-	-	-
410.0.107.W.A4.F30	A2FM107/61W-VAB100	-	-	-
410.0.107.W.Z2.F30	A2FM107/61W-VPB100	-	-	-
410.0.107.W.Z4.F30	A2FM107/61W-VBB100	-	-	-
410.0.107.W.A3.F32	A2FM107/61W-VZB191	-	-	-
410.0.107.W.A4.F32	A2FM107/61W-VAB191	-	-	-
410.0.107.W.Z2.F32	A2FM107/61W-VPB191	-	-	-
410.0.107.W.Z4.F32	A2FM107/61W-VBB191	-	-	-
410.0.107.W.A3.F33	A2FM107/61W-VZB191	-	-	-
410.0.107.W.A4.F33	A2FM107/61W-VAB191	-	-	-
410.0.107.W.Z2.F33	A2FM107/61W-VPB191	-	-	-
410.0.107.W.Z4.F33	A2FM107/61W-VBB191	-	-	-
410.0.107.W.A3.F34	A2FM107/61W-VZB191	-	-	-
410.0.107.W.A4.F34	A2FM107/61W-VAB191	-	-	-
410.0.107.W.Z2.F34	A2FM107/61W-VPB191	-	-	-
410.0.107.W.Z4.F34	A2FM107/61W-VBB191	-	-	-
410.0.107.W.A3.F35	A2FM107/61W-VZB191	-	-	-
410.0.107.W.A4.F35	A2FM107/61W-VAB191	-	-	-
410.0.107.W.Z2.F35	A2FM107/61W-VPB191	-	-	-
410.0.107.W.Z4.F35	A2FM107/61W-VBB191	-	-	-
410.1.107	A2FE107	F12-110...C...	-	-
410.1.107.W.A3.F10	A2FE107/61W-NZL010	-	-	-
410.1.107.W.A4.F10	A2FE107/61W-NAL010	-	-	-
410.1.107.W.A3.F20	A2FE107/61W-NZL010	-	-	-
410.1.107.W.A3.F20	A2FE107/61W-NZL100	-	-	-
410.1.107.W.A4.F20	A2FE107/61W-NAL010	-	-	-
410.1.107.W.A4.F20	A2FE107/61W-NAL100	-	-	-
410.1.107.W.A3.F21	A2FE107/61W-NZL106	-	-	-
410.1.107.W.A4.F21	A2FE107/61W-NAL106	-	-	-
410.1.107.W.A3.F30	A2FE107/61W-NZL100	-	-	-

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410.1.107.W.A4.F30	A2FE107/61W-NAL100	-	-	-
410.1.107.W.A3.F32	A2FE107/61W-NZL191	-	-	-
410.1.107.W.A4.F32	A2FE107/61W-NAL191	-	-	-
410.1.107.W.A3.F33	A2FE107/61W-NZL191	-	-	-
410.1.107.W.A4.F33	A2FE107/61W-NAL191	-	-	-
410.1.107.W.A3.F34	A2FE107/61W-NZL191	-	-	-
410.1.107.W.A4.F34	A2FE107/61W-NAL191	-	-	-
410.1.107.W.A3.F35	A2FE107/61W-NZL191	-	-	-
410.1.107.W.A4.F35	A2FE107/61W-NAL191	-	-	-
310.3.112	A2F107	-	-	H1C108
310.4.160	A2F160	-	-	H1C160
310.4.250	A2F250	-	-	-

Variable displacement bent-axis pumps for open circuits				
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)	Sam Hydraulik (Italy)
313.4.28.590...	A7V28LR...	-	-	-
313.4.28.390...	A7V28DR...	-	-	-
313.4.28.097...	A7V28HD...	-	-	-
313.4.28.07E(D)...	A7V28EP...	-	-	-
313.4.28.894...	A7V28MA...	-	-	-
313.4.55.590...	A7V55LR...	-	-	H1V55
313.4.55.390...	A7V55DR...	-	-	H1V55
313.4.55.097...	A7V55HD...	-	-	H1V55
313.4.55.07E(D)...	A7V55EP...	-	-	H1V55
313.4.55.290...2...	A7V55DRS...	-	-	H1V55
313.4.55.894...	A7V55MA...	-	-	H1V55
313.4.80.590...	A7V80LR...	-	-	H1V75
313.4.80.390...	A7V80DR...	-	-	H1V75
313.4.80.097...	A7V80HD...	-	-	H1V75
313.4.80.07E(D)...	A7V80EP...	-	-	H1V75
313.4.80.290...2...	A7V80DRS...	-	-	H1V75
313.4.80.894...	A7V80MA...	-	-	H1V75
313.4.107.590...	A7V107LR...	-	-	H1V108
313.4.107.390...	A7V107DR...	-	-	H1V108
313.4.107.097...	A7V107HD...	-	-	H1V108
313.4.107.07E(D)...	A7V107EP...	-	-	H1V108
313.4.107.290...2...	A7V107DRS...	-	-	H1V108
313.4.107.894...	A7V107MA...	-	-	H1V108
313.4.160.590...	A7V160LR...	-	-	H1V160
313.4.160.390...	A7V160DR...	-	-	H1V160
313.4.160.097...	A7V160HD...	-	-	H1V160
313.4.160.07E(D)...	A7V160EP...	-	-	H1V160
313.4.160.290...2...	A7V160DRS...	-	-	H1V160
313.4.160.894...	A7V160MA...	-	-	H1V160
313.4.250.590...	A7V250LR...	-	-	-
313.4.250.390...	A7V250DR...	-	-	-
313.4.250.097...	A7V250HD...	-	-	-
313.4.250.07E(D)...	A7V250EP...	-	-	-
313.4.250.894...	A7V250MA...	-	-	-

Variable displacement bent-axis motors

PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)	Sam Hydraulik (Italy)
303.4.28.503(4)...	A6V28EZ...	-	-	-
303.4.28.076...	A6V28MA...	-	-	-
303.4.56.501...	A6V55HD...	V12-60...I...HPS...	51D060HZB1...	H2V55
303.4.56.220...	A6V55HA1...	V12-60...I...AC...	51D060TA...	H2V55
303.4.56.240...	A6V55HA2...	V12-60...I...AC...	51D060TA...	H2V55
303.4.56.503(4)...	A6V55EZ...	V12-60...I...EO...	51D060E1(2)B1 ...	H2V55
303.4.56.90E(D)...	A6V55EP...	V12-60...I...EP...	51D060EP...	H2V55
303.4.56.076...	A6V55MA...	-	-	H2V55
303.4.80.501...	A6V80HD...	V12-80...I...HPS...	51D080HZB1...	H2V75
303.4.80.220...	A6V80HA1...	V12-80...I...AC...	51D080TA...	H2V75
303.4.80.240...	A6V80HA2...	V12-80...I...AC...	51D080TA...	H2V75
303.4.80.503(4)...	A6V80EZ...	V12-80...I...EO...	51D080E1(2)B1 ...	H2V75
303.4.80.90E(D)...	A6V80EP...	V12-80...I...EP...	51D080EP...	H2V75
303.4.80.076...	A6V80MA...	-	-	H2V75
403.0.107.W...H5N or 303.4.112.501...	A6V107HD...	V14-110...I...HPS...	51D110HZB1...	H2V108
403.0.107.W...HA1 or 303.4.112.220...	A6V107HA1...	V14-110...I...AC...	51D110TA...	H2V108
403.0.107.W...HA2 or 303.4.112.240...	A6V107HA2...	V14-110...I...AC...	51D110TA...	H2V108
403.0.107.W...E2(1)N or 303.4.112.503(4)...	A6V107EZ...	V14-110...I...EO...	51D110E1(2)B1 ...	H2V108
403.0.107.W...E3(4)N or 303.4.112.90E(D)...	A6V107EP...	V14-110...I...EP...	51D110EP...	H2V108
403.0.107.W...P2N or 303.4.112.076...	A6V107MA...	-	-	H2V108
403.1.107.W...H5N	A6VE107HD...	V14-110...C...HPS...	51C110HZB1...	-
403.1.107.W...HA1	A6VE107HA1...	V14-110...C...AC...	51C110TA...	-
403.1.107.W...HA2	A6VE107HA2...	V14-110...C...AC...	51C110TA...	-
403.1.107.W...E2(1)N	A6VE107EZ...	V14-110...C...EO...	51C110E1(2)B1 ...	-
403.1.107.W...E3(4)N	A6VE107EP...	V14-110...C...EP...	51C110EP...	-
403.1.107.W...P2N	A6VE107MA...	-	-	-
303.4.160.501...	A6V160HD...	V14-160...I...HPS...	51D160HZB1...	H2V160
303.4.160.220...	A6V160HA1...	V14-160...I...AC...	51D160TA...	H2V160
303.4.160.240...	A6V160HA2...	V14-160...I...AC...	51D160TA...	H2V160
303.4.160.503(4)...	A6V160EZ...	V14-160...I...EO...	51D160E1(2)B1 ...	H2V160
303.4.160.90E(D)...	A6V160EP...	V14-160...I...EP...	51D160EP...	H2V160
303.4.160.076...	A6V160MA...	-	-	H2V160
303.4.250.501...	A6V250HD...	-	51D250HZB1...	-
303.4.250.220...	A6V250HA1...	-	51D250TA...	-
303.4.250.240...	A6V250HA2...	-	51D250TA...	-
303.4.250.503(4)...	A6V250EZ...	-	51D250E1(2)B1 ...	-
303.4.250.90E(D)...	A6V250EP...	-	51D250EP...	-
303.4.250.076...	A6V250MA...	-	-	-

**Variable displacement swashplate pumps for closed circuits / Tandem pumps**

PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
416.0.28...HP...	A4VG28HD...	-	-
416.0.28...P...	A4VG28HW...	-	42R(L)28A...
416.0.28...HD...	A4VG28DG...	-	42R(L)28G3...
416.0.28...E1...	A4VG28EZ1...	-	42R(L)28F...
416.0.28...E2...	A4VG28EZ2...	-	42R(L)28F...
416.0.28...E3...	A4VG28EP3...	-	42R(L)28E...
416.0.28...E4...	A4VG28EP4...	-	42R(L)28E...
416.0.28... + 416.0.28...	A4VG28... + A4VG28...	-	42R(L)28... + 42R(L)28...
416.0.71...HP...	A4VG71HD...	-	90R(L)75HS...
416.0.71...P...	A4VG71HW...	-	90R(L)75MA...
416.0.71...HD...	A4VG71DG...	-	-
416.0.71...E1...	A4VG71EZ1...	-	90R(L)75DC...
416.0.71...E2...	A4VG71EZ2...	-	90R(L)75DD...
416.0.71...E3...	A4VG71EP3...	-	90R(L)75KA...
416.0.71...E4...	A4VG71EP4...	-	90R(L)75KA...
416.0.71... + 416.0.71...	A4VG71... + A4VG71...	-	90R(L)75... + 90R(L)75...
416.0.90...HP...	A4VG90HD...	-	-
416.0.90...Y2...P...	A4VTG90HW	-	-
416.0.90...Y3...P...	A4VG90HW...	-	-
416.0.90...HD...	A4VG90DG...	-	-
416.0.90...E1...	A4VG90EZ1...	-	-
416.0.90...E2...	A4VG90EZ2...	-	-
416.0.90...E3...	A4VG90EP3...	-	-
416.0.90...E4...	A4VG90EP4...	-	-
416.0.90... + 416.0.90...	A4VG90... + A4VG90...	-	-
416.0.110...HP...	A4VG105HD...	-	90R(L)100HS...
416.0.110...P...	A4VG105HW...	-	90R(L)100MA...
416.0.110...HD...	A4VG105DG...	-	-
416.0.110...E1...	A4VG105EZ1...	-	90R(L)100DC...
416.0.110...E2...	A4VG105EZ2...	-	90R(L)100DD...
416.0.110...E3...	A4VG105EP3...	-	90R(L)100KA...
416.0.110...E4...	A4VG105EP4...	-	90R(L)100KA...
416.0.110... + 416.0.110...	A4VG105... + A4VG105...	-	90R(L)100... + 90R(L)100...
416.0.125...HP...	A4VG125HD...	-	90R(L)130HS...
416.0.125...P...	A4VG125HW...	-	90R(L)130MA...
416.0.125...HD...	A4VG125DG...	-	-
416.0.125...E1...	A4VG125EZ1...	-	90R(L)130DC...
416.0.125...E2...	A4VG125EZ2...	-	90R(L)130DD...
416.0.125...E3...	A4VG125EP3...	-	90R(L)130KA...
416.0.125...E4...	A4VG125EP4...	-	90R(L)130KA...
416.0.125... + 416.0.125...	A4VG125... + A4VG125...	-	90R(L)130... + 90R(L)130...
416.0.71...P...	A4VTG71HW...	-	90R(L)75MA...
416.0.90...P...	A4VTG90HW...	-	-

**Fixed displacement swahsplate motors**

PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
406.0.71	AA2FM80	-	90M75
406.0.90	AA2FM90	-	-
406.0.110	AA2FM107	-	90M100
406.0.125	AA2FM125	-	90M130

<b>Integrated pumping units</b>				
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)	Sam Hydraulik (Italy)
333.55	A8VO55	-	-	-
333.80	A8VO80	-	-	-
333.107	A8VO107	-	-	-
344.2.107.100.880	A8VO107LA0KH2/63R1- NZG05F071	-	-	-
344.3.107.100.880	A8VO107LA0KH2/63R1- NZG05F301-K	-	-	-
323...112	-	-	-	HDV108
333...112	-	-	-	HDV108
333.160	A8VO140	-	-	-
344.5.160.100.990	A8VO140LA0KH2/63R1- NZG05F171-K	-	-	-
344.8.160.100.990	A8VO140LA1H2/63R1- NZG05F074	-	-	-

<b>Control blocks</b>			
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
220BHM	4TH6	-	-
221BHM	4TH7G	-	-
230BFM	1TH7Q	-	-
231BFM	2TH7Q	-	-

<b>Brake hydraulic valves</b>			
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
Brake valve GKT.1.16	FD-16	-	-

<b>Counter balance hydraulic valves</b>			
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
GKP.0.25	BVD25	-	-

<b>Relief hydraulic valves</b>			
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
U462.8...5	DBD15...	-	-
U462.8...7	DBD25...	-	-
P100.000	DBD15...	-	-

<b>Check relief hydraulic valves</b>			
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
OPK-16		-	-
BOPK-16	DBRF-20	-	-
OPK-20		-	-
BOPKK-20	DBRF-20	-	-
BOPK-25	DBRF-25	-	-

<b>Check hydraulic valves</b>			
PSM-Hydraulics® (Russia)	Bosch Rexroth (Germany)	Parker (USA)	Sauer Danfoss (Germany)
4121.20.90	S10A	-	-
530.25	M-SR25	-	-