

Type Designation and Order Code:

G	R	/	2	0					
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Design	
Variable displacement pump	= GR
Frame size (cm³)	
Displacement per revolution	= 33.3 (20)
	= 51.6 (21)
	= 69.8 (22)
	= 89.0 (23)
	= 118.7 (24)
	= 165.8 (25)
	= 227.3 (26)
	= 333.7 (27)

Displacement controllers and regulators

A	= Without control unit with cover plate	033	052	070	089	119	166	227	334
B	= Without displacement control with connecting link and cover plate	●	●	●	●	●	●	●	●
C	... = Displacement limiter	●	●	●	●	●	●	●	●
MH	= Hydromechanical displacement controller	●	●	●	●	●	●	●	●
Electrohydraulic displacement controller with proportional solenoids:									
EH1	= ±50 mA, 28 ohm (MOOG)	●	●	●	●	●	●	●	●
EH2	= ±50 mA, 16 ohm (SPV-1A)	●	●	●	●	●	●	●	●
EH3	= ±120 mA, 16 ohm (SPV-1A)	●	●	●	●	●	●	●	●
Electrohydraulics 3-pos., displacement:									
ER1	= 12V (DC)	●	●	●	●	●	●	●	●
ER1	= 24V (DC)	●	●	●	●	●	●	●	●
H1	= Hydraulic control pressure related	●	●	●	●	●	●	●	●
RQ	... = Const. flow limiter	●	●	●	●	●	●	●	●
RM	... = Direct torque limiter with hydr. disp. contr.	●	●	●	●	●	●	●	●
RN	... = Const. horsepower control RNOP	●	●	●	●	●	●	●	●
Hydraulic displacement control:									
HP1	= DHP 302 609	●	●	●	●	●	●	●	●
HP2	= 336-000276-1	●	●	●	●	●	●	●	●
001-999 Code number for regulator specification (determined by factory)									

Direction of Rotation

R = right (clockwise)
L = left (counterclockwise)

Code of special modification

NN = without special requirement
.. = Determined by factory according to the special requirement

Control orifice in the servo valve

N = without orifice
A = φ 0.76 mm
B = φ 0.91 mm
C = φ 1.05 mm
D = φ 1.36 mm
E = φ 1.6 mm

Identification for charge pressure

13 = 13 bar
.. = other charge pressure setting on request

Charge Pump

A	= 8.2 cm ³	033	052	070	089	119	166	227	334
B	= 12.3 cm ³	○	○	○	○	○	○	○	○
C	= 18.03 cm ³	●	●	●	●	●	●	●	●
D	= 18.85 cm ³	○	○	○	○	○	○	○	○
F	= 65.5 cm ³	○	○	○	○	○	○	○	○
G	= 8.2 + 8.2 cm ³	○	○	○	○	○	○	○	○
H	= 12.3 + 8.2 cm ³	○	○	○	○	○	○	○	○
I	= 18.03 + 8.2 cm ³	○	○	○	○	○	○	○	○
N	without charge pump	○	○	○	○	○	○	○	○

Pressure and Inlet Ports "A", "B"

A	= SAE J518c, code61, size1, 6000 psi	033	052	070	089	119	166	227	334
B	= SAE J518c, code62, size1, 5000 psi	○	○	○	○	○	○	○	○
C	= ISO 8182, DN25, type I, 40 MPa	●	●	●	●	●	●	●	●
D	= SAE J518c, code61, size1½, 6000 psi	○	○	○	○	○	○	○	○

Shaft End

A	= 14 teeth, 12/24 pitch, (31.2mm)	033	052	070	089	119	166	227	334
B	= 19 teeth, 16/32 pitch, (31.5mm)	○	○	○	○	○	○	○	○
C	= 21 teeth, 16/32 pitch, (34.5mm)	○	○	○	○	○	○	○	○
D	= 23 teeth, 16/32 pitch, (37.68mm)	○	○	○	○	○	○	○	○
E	= 27 teeth, 16/32 pitch, (44.03mm)	○	○	○	○	○	○	○	○
F	= 40 teeth, 16/32 pitch, (64.66mm)	○	○	○	○	○	○	○	○
G	= 13 teeth, 8/16 pitch, (44.7mm)	○	○	○	○	○	○	○	○
K	= cone 1:8 SAE J501, (35mm)	○	○	○	○	○	○	○	○

Series

20 = SAUER axial piston variable displacement pumps for hydrostatic transmissions with closed loop circuit

NOTE:

● = standart modification
○ = optional specification
— = not available