

# R1A4016R4016B12A1H1A0X1AA

## Gear Type

R = Spur  
S = Helical

1 = Design Mark

## Shaft Seals

A = Seal and Wiper  
C = Seal Wiper, Seal with Tell-tale

## Frame Size

4, 5, 6, 7

## Gear Type

R = Spur  
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## Displacements

R Series	DISPLACEMENT cm <sup>3</sup> /rev	DISPLACEMENT in <sup>3</sup> /rev	S Series	DISPLACEMENT cm <sup>3</sup> /rev	DISPLACEMENT in <sup>3</sup> /rev
R4016	16.0	0.975	S4016	16.0	0.975
R4019	19.0	1.158	S4023	22.2	1.341
R4023	23.0	1.402	S4027	26.1	1.585
R4027	27.0	1.646	S4032	30.9	1.884
R4032	32.0	1.951	S4037	35.8	2.183
R4038	38.0	2.317	S4042	40.6	2.476
R4045	45.0	2.746	S5045	43.5	2.652
R4053	53.0	3.230	S5051	49.3	3.006
R4060	60.0	3.660	S5060	58.0	3.537
R5045	45.0	2.746	S5070	67.7	4.128
R5053	53.0	3.231	S5085	82.2	5.012
R5063	63.0	3.841	S6083	80.3	4.896
R5073	73.0	4.451	S6097	93.8	5.720
R5085	85.0	5.183	S6113	109.3	6.665
R5100	100.0	6.098	S6132	127.6	7.780
R5120	120.0	7.317	S6155	149.9	9.140
R6100	100.0	6.098	S7155	149.9	9.140
R6117	117.0	7.134	S7180	174.1	10.615
R6137	137.0	8.354	S7208	201.1	12.262
R6160	160.0	9.756	S7248	239.8	14.622
R6187	187.0	11.402			
R6220	220.0	13.415			

## Drive Shafts

Code	Description	Frame Sizes
A	5/8" SAE A spline	4
E	5/8" SAE A parallel	4
B	7/8" SAE B spline	4 5
F	7/8" SAE B parallel	4
Q	1" SAE BB spline	4 5
H	1" SAE BB parallel	4 5
C	1.1/4" SAE C spline	5 6 7
G	1.1/4" SAE C parallel	5 6 7
T	1.1/2" SAE CC spline	6 7
N	1.1/2" SAE CC parallel	6 7
D	1.3/4" SAE D spline	7
P	1.3/4" SAE D parallel	7

## Mounting Flanges

Code	Description	Frame Sizes
1	2 bolt SAE A	4
2	2 bolt SAE B	4 5
3	4 bolt SAE B	4 5
4	2 bolt SAE C	4 5 6
5	4 bolt SAE C	4 5 6 7
7	4 bolt SAE D	7

## Front or Single Port Configuration

## Repeat for each section's porting

## Rotation

View from Shaft End  
A = Anti-Clockwise  
C = Clockwise

SEE PORT OPTIONS BELOW

## Outlet Port Sizes

Port Code	Port Size
A	1/2"
B	3/4"
D	1"
E	1.1/16"
F	1.1/4"
G	1.5/16"
H	1.1/2"
J	1.5/8"
K	2"

## Outlet Port Type

Code	Description
1	SAE split flange - metric bolts - Code 61
2	SAE split flange - UNC bolts - Code 61
3	BSP.P thread
4	SAE UNF 'O' - ring thread

## Inlet Port Sizes

Port Code	Port Size	Port Code	Port Size
A	1/2"	H	1.1/2"
B	3/4"	J	1.5/8"
C	7/8"	K	2"
D	1"	L	2.1/2"
E	1.1/6"	M	3"
F	1.1/4"	N	4"
G	1.5/16"	X	No Port

## Inlet Port Type

Code	Description
0	No Port
1	SAE split flange - metric bolts - Code 61
2	SAE split flange - UNC bolts - Code 61
3	BSP.P thread
4	SAE UNF O'ring thread

## Inlet Port Positions

Code	Description	Single Pump	Double Pump	Dual Pump
A	Inlet port in front section	●	●	
B	Separate inlet ports		●	●
C	Common inlet port		●	●

## Number of Pump Sections

Code	Description
1	1 Pump Section
2	2 Pump Section
3	3 Pump Section
4	4 Pump Section

# PUMP CODING

Special Features Available. Please consult Sales

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