

# Q SERIES PUMPS - MODEL NUMBERS\*

Front or single pump
Rear pump (omit for single pumps)
Front or single port configuration
Rear port configuration (omit for single pump)

## R1A4016R4016A12A1K1A1K1AA

**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

**Displacements**

R Series	DISPLACEMENT		S Series	DISPLACEMENT	
	cm <sup>3</sup> /rev	in <sup>3</sup> /rev		cm <sup>3</sup> /rev	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	5		
B	7/8" - SAE B spline	4			
F	7/8" - SAE B parallel	4	5		
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
See page number		12	20	28	35

**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
See page number		13	21	29	36

**Rotation**

from shaft end  
A = anti-clockwise  
C = clockwise

**See port options below**

**Outlet port sizes** see pages 15, 23,

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

**Outlet port type** see pages 15, 23, 31 & 37

Code	Description
1	SAE split flange - metric bolts 3000 psi rating
2	SAE split flange - UNC bolts
3	BSP.P thread
4	SAE UNF o-ring thread

**Inlet port sizes** - see pages 15, 23, 31 & 37

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	1.1/16	M	3
F	1.1/4	N	4
G	1.5/16		

**Inlet port type** - see pages 15, 23, 31 & 37

Code	Description
0	No port
1	SAE split flange - metric bolts 3000 psi rating
2	SAE split flange - UNC bolts
3	BSP.P thread
4	SAE UNF o-ring thread

**Inlet port positions** - see pages 14, 22, 31 & 37

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 sections
3	3 pump sections
4	4 pump sections

\* Use this chart to compile standard dual and double pump model numbers. For special features and for triple and quadruple pumps please consult your David Brown representative.

**Before ordering please check that the pump will be operated within quoted parameters and that drive shaft "pD" factors are not exceeded. See page 38.**