





## Tough Rubber Elastomer recommended fit @ 70°F / 21°C

Model	Group No.	Rotor C to V	Rotor ECC	Nominal Minor @ 70°F (Vector)	Nominal Shop @ 70°F (Vector)	.001" Change per °F/°C**	Group Number Operating Temperature											
							100°F	120°F	140°F	160°F	180°F	200°F	220°F	240°F	260°F	280°F	300°F	320°F
675733	0	3.990	0.255	3.995	-0.005	5 / 2.8				optimum								
	4			3.998	0.010					optimum								
675750	7	4.008	0.256	*4.016	-0.008	5 / 2.8						optimum						
	0			*4.044	-0.036					optimum				optimum				
675757	4	4.153	0.247	*4.144	0.009	5.5 / 3.1				optimum								
	0			*4.169	-0.016					optimum								
675760	4	4.008	0.256	4.009	-0.001	5 / 2.8				optimum								
	0			*4.032	-0.024					optimum								
675764	4	4.008	0.256	4.009	-0.001	5 / 2.8				optimum								
	0			*4.032	-0.024					optimum								
700582	4	3.701	0.335	*3.694	0.007	4 / 2.2				optimum								
	0			*3.723	-0.022					optimum								
700775	0	4.09	0.258	*4.089	0.001	4.3 / 2.4				optimum								
	4																	
700768	4	4.039	0.250	*4.045	-0.006	3.3 / 1.8				optimum								
	0			*4.064	-0.025					optimum								
800453	0	4.110	0.415	4.098	0.012	3 / 1.7				optimum								
	4																	
800550	0	4.102	0.382	*4.120	-0.018	3.5 / 1.9				optimum								
	4																	

\* Vector measurements shown with asterisk are preliminary and are subject to change as additional data points are collected.  
 \*\* Denotes the temperature change required to change the minor diameter by .001".

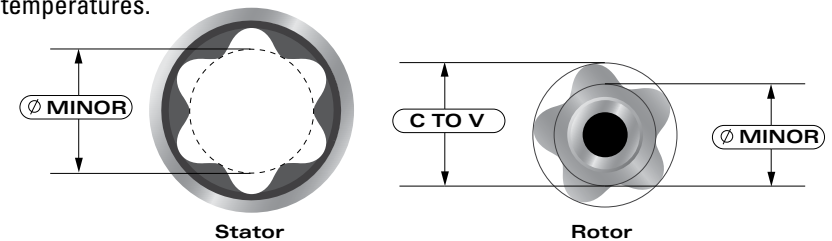
The formulas below can be used as a guideline to size rotors and stators for optimum setup at the suggested temperatures.

### Odd Lobe Rotor

Rotor C to V – Stator Minor = fit \*  
 (\*) negative = clearance; positive = compression

### Even Lobe Rotor

Rotor Minor + 2ecc – Stator Minor = fit \*  
 (\*) negative = clearance; positive = compression



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							100°F	120°F	140°F	160°F	180°F	200°F	220°F	240°F	260°F	280°F	300°F	320°F	
800640	T	4.286	0.336	*4.281	0.005	3.5 / 1.9	optimum												
	0			4.298	-0.012		optimum												
	4			*4.313	-0.027		optimum												
800722	0	4.520	0.278	4.517	0.003	4 / 2.2	optimum												
	0			optimum															
800740	0	4.600	0.293	*4.597	0.003	4.5 / 2.5	optimum												
	2			*4.615	-0.015		optimum												
	4			*4.636	-0.036		optimum												
962650	0	5.548	0.428	5.540	0.008	3 / 1.7	optimum												
							38°C	49°C	60°C	71°C	82°C	93°C	104°C	116°C	127°C	138°C	149°C	160°C	

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### Odd Lobe Rotor

$$\text{Rotor C to V} - \text{Stator Minor} = \text{fit} *$$

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$$\text{Rotor Minor} + 2\text{ecc} - \text{Stator Minor} = \text{fit} *$$

(\*) negative = clearance; positive = compression

