

Model	Group No.	Rotor C o V	Rotor ECC	Nominal Vector Minor @ 70°F	Nominal Shop Fit @ 70°F	.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	
475567	0	2.527	0.213	2.523*	0.004	5 / 2.8	optimum												
	4			2.538	-0.011		optimum												
475583	0	2.506	0.205	2.504	0.002	5.5 / 3.1	optimum												
	4			2.514	-0.008		optimum												
475726	T	2.750	0.172	2.742	0.008	7 / 3.9	optimum												
	0			2.754	-0.004		optimum												
	2			2.760	-0.010		optimum												
475729	0	2.473	0.163	2.477	-0.004	5.5 / 3.1	optimum												
475731	0	2.688	0.168	2.686	0.002	7 / 3.9	optimum												
475737	0	2.767	0.177	2.762	0.005	6.5 / 3.6	optimum												
475738	0	2.619	0.163	2.619	0.000	6 / 3.3	optimum												
	2			2.622	-0.003		optimum												
	4			2.637	-0.018		optimum												
	7			2.645*	-0.026		optimum												
475750	T	2.703	0.169	2.693	0.010	6 / 3.3	optimum												
	0			2.705	-0.002		optimum												
500680	0	2.635	0.192	2.629	0.006	5 / 2.8	optimum												
	4			2.643	-0.008		optimum												
	7			2.659	-0.024		optimum												
625748	0	3.530	0.225	3.521	0.009	5 / 2.8	optimum												
	4			3.538	-0.008		optimum												
675470	0	3.512	0.354	3.507	0.005	3.5 / 1.9	optimum												
	4			3.525	-0.013		optimum												

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

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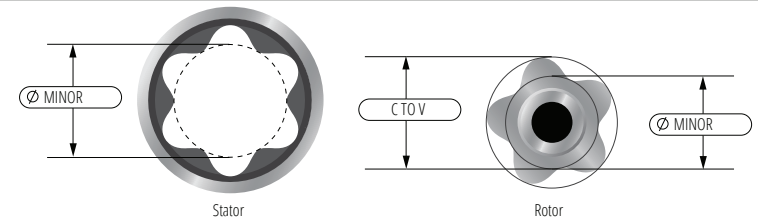
The formulas below can be used as a guideline to size rotors and stators for optimum setup at the suggested temperatures.

Odd Lobe Rotor

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

Even Lobe Rotor

Rotor Minor + 2ecc – Stator Minor = fit *
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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
675650	0	3.740	0.288	3.733	0.007	4 / 2.2	optimum											
	4			3.754	-0.014		optimum											
	7			3.763*	-0.023		optimum											
675729	0	3.808	0.244	3.808	0.000	4 / 2.2	optimum											
	4			3.828*	-0.020		optimum											
675733	0	3.990	0.225	3.987	0.003	5 / 2.8	optimum											
675750	0	4.008	0.256	3.991	0.017	5 / 2.8	optimum											
	2			4.002	0.006		optimum											
	4			4.008	0.000		optimum											
	7			4.040*	-0.032		optimum											
675757	0	4.153	0.247	4.138	0.015	5.5 / 3.1	optimum											
	4			4.161	-0.008		optimum											
675760	0	4.008	0.256	3.998	0.010	5 / 2.8	optimum											
	4			4.020	-0.012		optimum											
675764	0	4.008	0.256	3.998	0.010	5 / 2.8	optimum											
	4			4.020	-0.012		optimum											
700582	0	3.701	0.335	3.693	0.008	4 / 2.2	optimum											
	4			3.720	-0.019		optimum											
700768	0	4.039	0.250	4.035	0.004	3.3 / 1.8	optimum											
	4			4.056	-0.017		optimum											
800453	0	4.110	0.415	4.097	0.013	3 / 1.7	optimum											
800640	T	4.286	0.336	4.271	0.015	3.5 / 1.9	optimum											
	0			4.288	-0.002		optimum											
	4			4.306*	-0.020		optimum											

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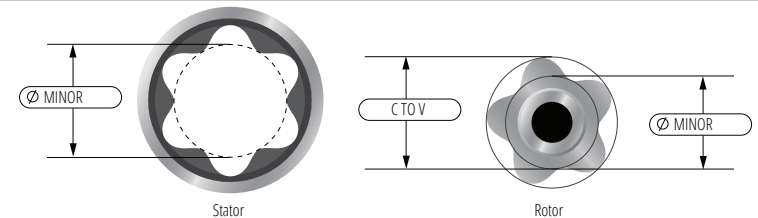
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							100 °F	120 °F	140 °F	160 °F	180 °F	200 °F	220 °F	240 °F	260 °F	280 °F	300 °F	320 °F
800722	0	4.520	0.278	4.514	0.006	4 / 1.9	optimum											
800740	0	4.600	0.293	4.592	0.008	4.5 / 2.2	optimum											
	2			4.606	-0.006		optimum											
	4			4.634*	-0.034*		optimum											
962650	0	5.548	0.428	5.529	0.019	3 / 1.7	optimum											
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