

Trane CRHR Compressor Wear Limits

PART NAME	ORIGINAL SPECS	LIMITS	MAX DIAMETRAL
Main bearings (4, 6 cyl)	2.8755 - 2.8775	2.879	-
Main bearings (4 cyl)	2.125 - 2.127	2.1295	-
Crankshaft mains (4, 6 cyl)	2.8725 - 2.8735	2.871	.0055
Crankshaft mains (4 cyl)	2.1225 - 2.1235	2.121	.0055
Crankshaft end play	0.005 - 0.028	0.030	-
Thrust bearing	0.142 - 0.144	0.140	-
Connecting rod	2.751 - 2.752	2.7545	.0070
Crankshaft crankpin	2.7475 - 2.7485	2.745	.0070
Piston pin	1.1245 - 1.1247	1.1241	.0011
Connecting rod pin bore	1.1250 - 1.1253	1.1253	.0011
Cylinder bore	3.440 - 3.441	3.4425	.0060
Piston	3.4325 - 3.4335	3.430	.0060
Piston ring gap	0.005 - 0.015	0.030	-
Discharge valves	0.0384 - 0.0404	0.008	-
Suction valves	0.0384 - 0.0404	0.008	-
Unloader piston	1.995 - 1.996	1.993	.0100
Unloader piston bore	2.000 - 2.001	2.003	.0100
Unloader valve stem	0.4945 - 0.4960	0.494	.0100
Unloader valve stem bore	0.500 - 0.502	0.505	.0100
Check valve piston	1.994 - 1.995	1.994	.0100
Check valve piston bore	2.000 - 2.001	2.003	.0100
Unloader, check valve seats	0.060	0.030	-
Motor air gap (4 cylinder)	0.010		
Motor air gap (6 cylinder)	0.014		

Dimensions are in inches. Recommended wear rates are for individual parts.

For mating parts, the maximum diametral clearance should predominate.

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Compressor Reference 2004