



Critical Dimensions – LB Compressors

Sizes 081, 082, 161, 162

Description		Assembly Part No.	Dimension (in.)	Tolerance	LB081	LB082	LB161	LB162
Crank Shaft	Connecting Rod Journal OD	791141	1.750	Min	X			
		791257	1.750	Min		X		
		792157	1.750	Min			X	X
		792191	1.750	Min			X	X
	Lateral Movement	all	.0015/.0030	Min - Max	X	X	X	X
Connecting Rod	Wrist Pin Bushing ID (Installed and Honed)	792009	0.876	Max	X	X	X	X
	Crank End Bore ID	792009	1.876	Max	X	X	X	X
Wrist Pin	OD	792014	0.874	Min	X	X	X	X
Crosshead Assy	Wrist Pin Bore ID	792029	0.875	Max	X		X	
		792429	0.875	Max		X		X
	Crosshead OD	792029	3.43	Min	X		X	
		792429	3.43	Min		X		X
	Piston Rod OD	792029	0.749	Min	X		X	
		792429	0.749	Min		X		X
Crosshead Guide	ID	791191	3.437	Max	X	X		
		792091	3.437	Max			X	
		792455	3.437	Max				X
Cylinder	Bore	791101	3.002	Max	X	X		
		792101	3.002	Max			X	X
Deck Height	Piston to Head Clearance (Checked cold)	See IOM	.010 to .025	Min - Max	X		X	
			.015 to .030	Min - Max		X		X

Critical Dimensions – LB Compressors

Sizes 361 and 362

Description		Assembly Part No.	Dimension (in.)	Tolerance	LB361	LB362
Crank Shaft	Connecting Rod Journal OD	793157	1.750	Min	X	X
		793191	1.750	Min	X	X
	Lateral Movement	all	.0015/.0030	Min - Max	X	X
Connecting Rod	Wrist Pin Bushing ID (Installed and Honed)	793009	0.876	Max	X	X
	Crank End Bore ID	793009	1.876	Max	X	X
Wrist Pin	OD	793004	0.874	Min	X	X
Crosshead Assy	Wrist Pin Bore ID	793029	0.875	Max	X	
		793429	0.875	Max		X
	Crosshead OD	793029	3.993	Min	X	
		793429	3.993	Min		X
	Piston Rod OD	793029	0.749	Min	X	
		793429	0.749	Min		X
Crosshead Guide	ID	793091	4.002	Max	X	
		793455	4.002	Max		X
Cylinder	Bore	793045	4.003	Max	X	X
Deck Height	Piston to Head Clearance (Checked cold)	See IOM	.020 to .035	Min - Max	X	
			.025 to .040	Min - Max		X



Critical Dimensions – LB Compressors

Sizes 601 and 602

	Description	Part No.	Dimension (in.)	Tolerance	LB601	LB602
Crank Shaft	Connecting Rod Journal OD	794708	2.749	Min	X	X
	Lateral Movement	all	.0015/.0030	Min - Max	X	X
Connecting Rod	Wrist Pin Bushing ID (Installed and Honed)	794728	1.252	Max	X	X
	Crank End Bore ID	794728	2.899	Max	X	X
Wrist Pin	OD	794727	1.249	Min	X	X
Crosshead Assy	Wrist Pin Bore ID	794432	1.250	Max	X	X
	Crosshead OD	794432	4.996	Min	X	X
	Piston Rod OD	794432	1.249	Min	X	X
Crosshead Guide	ID	794091	5.003	Max	X	X
Cylinder	Bore	794103	4.629	Max	X	X
Deck Height	Piston to Head Clearance (Checked cold)	See IOM	.020 to .035	Min - Max	X	
			.030 to .045	Min - Max		X



Critical Dimensions – LB Compressors

Sizes 942 and 943

	Description	Part No.	Dimension (in.)	Tolerance	LB942	LB943
Crank Shaft	Connecting Rod Journal OD	794708	2.749	Min	X	X
	Lateral Movement	all	.0015/.0030	Min - Max	X	X
Connecting Rod	Wrist Pin Bushing ID (Installed and Honed) *	794728 *	1.252	Max	X	
	Crank End Bore ID	794728	2.899	Max	X	X
Wrist Pin	OD	794727	1.249	Min	X	X
Crosshead Assy	Wrist Pin Bore ID	794723	1.250	Max	X	
		794823	1.250	Max		X
	Crosshead OD	794723	4.996	Min	X	
		794823	4.996	Min		X
	Piston Rod OD	794723	1.249	Min	X	
		794823	1.249	Min		X
Crosshead Guide	ID	794430	5.003	Max	X	X
Cylinder	Bore	794704	4.629	Max	X	X
Deck Height	Upper Piston Clearance	See IOM	.035 to .050	Min - Max	X	
	Lower Piston Clearance	See IOM	.003 to .005	Min - Max	X	
	Upper Piston Clearance	See IOM	.065 to .080	Min - Max		X
	Lower Piston Clearance	See IOM	.003 to .005	Min - Max		X

* Compressors built prior to 2007 had wrist pin bushings.
Current models are fitted with roller bearings on the wrist pin.

