COMPRESSORS



MATERIALS of CONSTRUCTION

Models			
HD082C	HD161C	HD162C	HD163C
HD172C	HD173C	HDL172C	HDL173C

	Standard	Optional
Cylinder, Head, Valve Cap	Ductile Iron ASTM A536	Ductile Iron, TNT-12 Treated ASTM A536
Distance Piece and Crosshead Guide	Ductile Iron ASTM A536	
Connecting Rod	Ductile Iron ASTM A536	
Crosshead	Gray Iron, ASTM A48	
Crankshaft	Ductile Iron ASTM A536	
Pistons	Steel	Steel, TNT-12 Treated
Crankcase, Flywheel Bearing Carrier	Gray Iron ASTM A48	
Valve Seats & Bumpers	Steel, TNT-12 Treated	
Valve Plates and Valve Springs	Stainless Steel	
Piston Rods	Steel, Black surface to 60 Rc	Chrome Oxide Coated
Packing Box	Steel	Steel, TNT-12 Treated
Wrist Pin	Hardened Steel	
Piston Rings	Glass & Moly Filled PTFE	Poly Filled PTFE
Piston Ring Expanders	Stainless Steel	
Rod Packing	PTFE V-Rings	
Bearings, Crank	Tapered Roller	
Bearings, Rod	Babbitt Lined Steel Backed	
Bearing, Wrist Pin	Steel Needle Bearing	
Metal Gaskets	Iron	
Other Gaskets	Fiber	
O-rings	Buna-N	PTFE, FKM, Neoprene Ethylene-Propylene
Intercooler, Air-Cooled 2-stage: Liquid-Cooled 2-Stage:	 Brass Shell & Tube	Consult Factory Stainless Steel Shell & Tube

Models

HD361C, HD362C, HD363C HD372C, HD373C, HDL372C HD602C, HD603C HD612C, HD613C

HDL362C, HDL363C HDL372C, HDL373C HDL602C, HDL603C HDL612C, HDL613C

	Standard	Optional
Cylinder, Head, Valve Cap &	Ductile Iron,	Ductile Iron, TNT-12 Treated
Valve Cover Plate	ASTM A536	ASTM A536
Distance Piece and Crosshead Guide	Ductile Iron, ASTM A536	
Connecting Rod	Ductile Iron, ASTM A536	
Crosshead	Gray Iron, ASTM A48	
Crankshaft	Ductile Iron, ASTM A536	
Pistons	Steel	Steel, TNT-12 Treated
Crankcase	Iron	
Flywheel, Bearing Carrier	Gray Iron ASTM A48	
Valve Seats & Bumpers	Ductile Iron	Ductile Iron - TNT-12 Treated, Stainless Steel
Valve Plates	PEEK (Poly Ether Ether Ketone)	Stainless Steel
Valve Springs	Stainless Steel	
Piston Rods	Steel, Black surface to 60 Rc	Chrome Oxide Coated
Packing Box	Steel	Steel - TNT-12 Treated
Wrist Pin	Hardened Steel	
Piston Rings	Glass & Moly Filled PTFE	Poly Filled PTFE
Piston Ring Expanders	Stainless Steel	
Rod Packing	PTFE V-Rings	
Bearings, Crank	Tapered Roller	
Bearings, Rod	Babbitt Lined Steel Backed	
Bearing, Wrist Pin	Steel Needle Bearing	
Valve Gaskets	Iron	
Other Gaskets	Fiber	
O-rings	Buna-N	PTFE, FKM, Neoprene, Ethylene-Propylene
Suction Valve Unloader Body, Piston, and Plunger	Stainless Steel	
Intercooler, Air-Cooled 2-stage: Liquid-Cooled 2-Stage:		Consult Factory Stainless Steel Shell & Tube

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MODELS

HDL322C HDL342C, HDL343C HDL642C, HDL643C

	Standard	Optional
Cylinder, Head, Valve Cap &	Ductile Iron,	Ductile Iron, TNT-12 Treated
Valve Cover Plate	ASTM A536	ASTM A536
Distance Piece and	Ductile Iron,	
Crosshead Guide	ASTM A536	
Connecting Rod	Ductile Iron, ASTM A536	
Crosshead	Gray Iron, ASTM A48	
Crankshaft	Ductile Iron, ASTM A536	
Pistons	Steel	Steel, TNT-12 Treated
Crankcase	Iron	
Flywheel, Bearing Carrier	Gray Iron ASTM A48	
Valves	Ductile Iron w/PEEK	Ductile Iron, w/ PEEK plates and Stainless Steel Springs or Ductile Iron - TNT-12 Treated w/ PEEK plates & SS Springs
Piston Rods	Steel, Black surface to 60 Rc	Chrome Oxide Coated
Packing Box	Steel	Steel - TNT-12 Treated
Wrist Pin	Hardened Steel	
Piston Rings	Glass & Moly Filled PTFE	Poly Filled PTFE
Piston Ring Expanders	Stainless Steel	
Rod Packing	PTFE V-Rings	
Bearings, Crank	Tapered Roller	
Bearings, Rod	Babbitt Lined Steel Backed	
Bearing, Wrist Pin	Steel Needle Bearing	
Valve Gaskets	Iron	
Other Gaskets	Fiber	
O-rings	Buna-N	PTFE, FKM, Neoprene, Ethylene-Propylene
Suction Valve Unloader Body, Piston, and Plunger	Stainless Steel	



MODELS HD942B, HDL942B, HD943B, HDL943B

	Standard	Optional	
Cylinder, Head, Piston,	Ductile Iron,	Ductile Iron, TNT-12 Treated	
Valve Cover Plate, Valve Cap	ASTM A536	ASTM A536	
Crosshead Guide	Ductile Iron, ASTM A536		
Connecting Rod	Ductile Iron, ASTM A536		
Crosshead	Gray Iron, ASTM A48		
Crankshaft	Ductile Iron, ASTM A536		
Crankcase	Iron		
Flywheel, Bearing Carrier	Gray Iron ASTM A48		
Valve Seats & Bumpers	Ductile Iron	Ductile Iron - TNT-12 Treated, Stainless Steel	
Valve Plates	PEEK	Stainless Steel	
Valve Springs	Stainless Steel		
Piston Rods	Steel, Black Surface to 60 Rc		
Packing Box	Steel	Steel - TNT-12 Treated	
Wrist Pin	Hardened Steel		
Piston Rings	Glass & Moly Filled PTFE	Poly Filled PTFE	
Piston Ring Expanders	Stainless Steel		
Rod Packing	PTFE		
Bearings, Crank	Tapered Roller		
Bearings, Rod	Babbitt Lined Steel Backed		
Bearing, Wrist Pin	Steel Needle Bearing		
Valve Gaskets	Iron		
Other Gaskets	Fiber		
O-rings	Buna-N	PTFE, FKM, Neoprene Ethylene-Propylene	
Suction Valve Unloader Body, Piston, and Plunger	Stainless Steel		



CONNECTION SIZES and TYPES

All Connections are Flange Type except those marked 'Tapped'	All Connections are	Flange Typ	e except thos	e marked	'Tapped'
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Model		Standard	Optional
HD082C, HD161C, HD162C	Inlet	3/4" NPT, tapped	
HD163C HDS162C	Outlet	3/4" NPT, tapped	
HD361C	Inlet	1-1/2" ANSI 300#	
HD362C, HDL362C HD363C, HDL363C HDS362C	Outlet	1-1/2" ANSI 300#	
HDL322C, HDL342C	Inlet	1-1/2" ANSI 600#	
HDL343C	Outlet	1-1/2" ANSI 600#	
HD602C, HDL602C	Inlet	2" ANSI 300#	
HD603C, HDL603C HDS602C	Outlet	2" ANSI 300#	
HDL642C	Inlet	2" ANSI 600#	
HDL643C	Outlet	2" ANSI 600#	
HD942B, HDL942B	Inlet	2" ANSI 300#	
HD943B, HDL943B	Outlet	2" ANSI 300#	
HD172C, HDL172C	Inlet, Stage 1	3/4" NPT, tapped	
HD173C, HDL173C HDS172C	Outlet, Stage 2	3/4" NPT, tapped	
HD372C, HD373C	Inlet, Stage 1	1-1/4" NPT, tapped	
HDS372C	Outlet, Stage 2	1" NPT, tapped	
	Inlet, Stage 1	1-1/4" NPT, tapped	
HDL372C HDL373C	Outlet, Stage 1 Inlet, Stage 2	Steel, 3/4" NPT	Steel, 1" NPT Steel Weld, 3/4",1"
	Outlet, Stage 2	1" NPT, tapped	
HD612C, HDL612C	Inlet, Stage 1	DI*, 2" NPT	DI*, 1-1/2" NPT Steel Weld, 1-1/2", 2"
HD613C, HDL613C HDS612C	Outlet, Stage 1 Inlet, Stage 2	Steel, 1" NPT	Steel Weld, 1"
HD5612C	Outlet, Stage 2	DI*, 1-1/2" NPT	DI*, 2" NPT Steel Weld, 1-1/2", 2"

* DI = Ductile Iron, ASTM A536, 65-45-12



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