

CR Industrial Cast-Iron Piston Compressor

ATLAS COPCO COMPRESSORS

Model: CR5

	CR5-CRS1-80V	CR5-CRS1-230/1-120HD-IS	Units
Design			
1. Air Cooled	Two-Stage	Two-Stage	
2. Cylinders	2	2	
3. Maximum pressure	175	175	psi(g)
Inlet Conditions			
1. Barometric Pressure	14.7	14.7	psi(g)
2. Ambient Temperature	68°	68°	°F
3. Relative Humidity	36	36	%
Compressor Performance			
1. Capacity Delivered @ 100 psig	18.0	36.0	cfm
2. Capacity Delivered @ MAX psig	17.4	34.8	cfm
3. Pump Speed	658	658	rpms
4. Pump Type	CRS1	CRS1	
Electrical Data			
1. Motor HP	5	2X5	hp
2. Motor type	Induction	Induction	
3. Enclosure	ODP std; TEFC opt	ODP std; TEFC opt	
4. Frequency	60	60	hz
5. Voltage	230/1, 200/3, 230/3, 460/3	230/1, 200/3, 230/3, 460/3	V/PH
6. Transmission	Belt-driven	Belt-driven	
7. Motor Speed	1800	1800	rpms
8. Insulation	F	F	
Starter Data			
1. Type	Magnetic starter	Panel	
Physical Data			
1a. Length (est.)	35.0	79.0	inches
1b. Width (est.)	28.0	34.0	inches
1c. Height (est.)	77.0	54.0	inches
2. Shipping weight (est.)	561	969	lbs

3. Tank Size	80	120	gals
4. Tank Layout	Vertical	Horizontal	

Additional Requirements

1. Sound level @ 1 Meter	74	79	dBA
2. Pump Life	50,000	50,000	hrs
3. Duty Cycle	100%	100%	
4. MIN Operating Temp	32°	32°	°F
5. MAX Operating Temp	104°	104°	°F

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ATLAS COPCO COMPRESSORS

Model: CR7.5

	CR7.5-CRS1-80V	CR7.5-CRS1-230/1-120HD-IS	Units
Design			
1. Air Cooled	Two-Stage	Two-Stage	
2. Cylinders	2	2	
3. Maximum pressure	175	175	psi(g)
Inlet Conditions			
1. Barometric Pressure	14.7	14.7	psi(g)
2. Ambient Temperature	68°	68°	°F
3. Relative Humidity	36	36	%
Compressor Performance			
1. Capacity Delivered @ 100 psig	24.3	48.6	cfm
2. Capacity Delivered @ MAX psig	23.6	47.2	cfm
3. Pump Speed	896	896	rpms
4. Pump Type	CRS1	CRS1	
Electrical Data			
1. Motor HP	7.5	2X7.5	hp
2. Motor type	Induction	Induction	
3. Enclosure	ODP std; TEFC opt	ODP std; TEFC opt	
4. Frequency	60	60	hz
5. Voltage	230/1, 200/3, 230/3, 460/3	230/1, 200/3, 230/3, 460/3	V/PH
5. Transmission	Belt-driven	Belt-driven	
6. Motor Speed	1800	1800	rpms
7. Insulation	F	F	
Starter Data			
1. Type	Magnetic starter	Panel	
Physical Data			
1a. Length (est.)	35.0	79.0	inches
1b. Width (est.)	28.0	34.0	inches
1c. Height (est.)	77.0	54.0	inches
2. Shipping weight (est.)	593	1033	lbs
3. Tank Size	80	120	gals

4. Tank Layout	Vertical	Horizontal	
Additional Requirements			
1. Sound level @ 1 Meter	78	82	dBA
2. Pump Life	50,000	50,000	hrs
3. Duty Cycle	100%	100%	
4. MIN Operating Temp	32°	32°	°F
5. MAX Operating Temp	104°	104°	°F

CR Industrial Cast-Iron Piston Compressor

ATLAS COPCO COMPRESSORS

Model: CR10

	CR10-CRS2-120V	CR10-CRS2-230/3-200HD- IS	Units
Design			
1. Air Cooled	Two-Stage	Two-Stage	
2. Cylinders	4	4	
3. Maximum pressure	175	175	psi(g)
Inlet Conditions			
1. Barometric Pressure	14.7	14.7	psi(g)
2. Ambient Temperature	68°	68°	°F
3. Relative Humidity	36	36	%
Compressor Performance			
1. Capacity Delivered @ 100 psig	36.9	73.8	cfm
2. Capacity Delivered @ MAX psig	36	72	cfm
3. Pump Speed	682	682	rpms
4. Pump Type	CRS2	CRS2	
Electrical Data			
1. Motor HP	10	2X10	hp
2. Motor type	Induction	Induction	
3. Enclosure	ODP std; TEFC opt	ODP std; TEFC opt	
4. Frequency	60	60	hz
5. Voltage	200/3, 230/3, 460/3	200/3, 230/3, 460/3	V/PH
5. Transmission	Belt-driven	Belt-driven	
6. Motor Speed	1800	1800	rpms
7. Insulation	F	F	
Starter Data			
1. Type	Magnetic starter	Panel	
Physical Data			
1a. Length (est.)	49.0	76.0	inches
1b. Width (est.)	34.0	56.0	inches
1c. Height (est.)	78.0	64.0	inches
2. Shipping weight (est.)	923	1668	lbs

3. Tank Size	120	200	gals
4. Tank Layout	Vertical	Horizontal	

Additional Requirements

1. Sound level @ 1 Meter	80	81	dBa
2. Pump Life	50,000	50,000	hrs
3. Duty Cycle	100%	100%	
4. MIN Operating Temp	32°	32°	°F
5. MAX Operating Temp	104°	104°	°F

CR Industrial Cast-Iron Piston Compressor

ATLAS COPCO COMPRESSORS

Model: CR15

	CR15-CRS2-120H	Units
Design		
1. Air Cooled	Two-Stage	
2. Cylinders	4	
3. Maximum pressure	175	psi(g)
Inlet Conditions		
1. Barometric Pressure	14.7	psi(g)
2. Ambient Temperature	68°	°F
3. Relative Humidity	36	%
Compressor Performance		
1. Capacity Delivered @ 100 psig	54.0	cfm
2. Capacity Delivered @ MAX psig	51.0	cfm
3. Pump Speed	932	rpms
4. Pump Type	CRS2	
Electrical Data		
1. Motor HP	15	hp
2. Motor type	Induction	
3. Enclosure	ODP std; TEFC opt	
4. Frequency	60	hz
5. Voltage	200/3, 230/3, 460/3	V/PH
5. Transmission	Belt-driven	
6. Motor Speed	1800	rpms
7. Insulation	F	
Starter Data		
1. Type	Magnetic starter	
Physical Data		
1a. Length (est.)	71.0	inches
1b. Width (est.)	30.0	inches
1c. Height (est.)	55.0	inches
2. Shipping weight (est.)	997	lbs
3. Tank Size	120	gals

4. Tank Layout

Horizontal

Additional Requirements

1. Sound level @ 1 Meter	82	dBa
2. Pump Life	50,000	hrs
3. Duty Cycle	100%	
4. MIN Operating Temp	32°	°F
5. MAX Operating Temp	104°	°F
