

		R Series 15HP		Eng. Data Sheet: CP-R6-V2			
		Engineering Data Sheet		Date: 7/25/2019			
		Air Cooled, 60Hz		Supersedes: CP-R6-V1			
Model Number		VR15F-12	HR15F-8	HR15F-12	HR15F-24		
Configurator Number		HR15DF-12	HR15DF-24	BR15F	BR15		
Description	Units	Product Data					
<b>Compressor Pump</b>							
Pump Model	na	R30D		R40A			
Number of Cylinders	na	4		2			
Bore & Stroke	in.	4-5/8 & 2-1/2 x 3		6-1/4 & 3-1/4 x 4-1/2			
Flywheel	OD in.	18-7/8		22			
Pulley 125 PSIG	OD in.	11.15		11.35			
Pulley 175 PSIG	OD in.	11.15		9.75			
Number of Stages	na	2					
Lubrication	na	Splash Lubricated					
Oil Capacity	qt.	4					
Oil Type	na	AEON AC-HC, ISO 100 Non-Detergent Industrial Lubricant					
Number of Belt Grooves	na	2		3			
Belt Section	na	B					
Crankcase	na	Cast Iron					
Bearings	na	Tapered Roller					
Cylinder	na	Aluminum with Cast Iron Liner		Cast Iron			
Piston 1st Stage	na	Aluminum Alloy					
Piston 2nd Stage	na	Cast Iron					
Valves	na	Disc Valves					
Intake Filter	na	5 Micron					
<b>Main Drive Motor (1)</b>							
Drive Motor Nominal Power	hp(kW)	15 (11.19)					
Voltage (2)	na	208/230/460/575					
Phase	na	3					
Drive Motor Speed	rpm	1800					
Service Factor	na	1.15					
Motor Insulation Class	na	F					
Drive Motor Full Load Current - 208/3/60 (3)	amps	46.2					
Drive Motor Full Load Current - 230/3/60 (3)	amps	42					
Drive Motor Full Load Current - 460/3/60 (3)	amps	21					
Drive Motor Full Load Current - 575/3/60 (3)	amps	17					
Wire Size - 208/3/60 (3,4,5)	awg	6 (1)		6 (1)			
Wire Size - 230/3/60 (3,4,5)	awg	6 (2)		6 (2)			
Wire Size - 460/3/60 (3,4,5)	awg	10 (6)		10 (6)			
Wire Size - 575/3/60 (3,4,5)	awg	10 (8)		10 (8)			

1) Main Drive Motor performance is based off the standard ODP motor.

2) Compressors are voltage specific and must be specified at time of order.

3) The amp draws and wire size provided are off general NEC guidelines. For proper breaker and fuses please consult a licensed electrician or electrical contractor.

4) Copper wire, 75°C (167°F) maximum temperature rating, 30°C (86°F) ambient temperature

5) Values in ( ) is for incoming power line on duplex units.

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Model Number		VR15F-12	HR15F-8	HR15F-12	HR15F-24	HR15DF-12	HR15DF-24	BR15F	BR15	HR15-12								
Configurator Number		R2-30A																
Description	Units	Product Data																
Performance Data (6)																		
CFM Delivery @ 125 PSIG (7)	acfm	50.2		100.4	50.2	59.0		118.0										
CFM Delivery @ 175 PSIG (7)	acfm	49		98	49	53.7		107.4										
CFM Displacement @ 125 PSIG	icfm	60.9		121.8	60.9	71.1		142.2										
CFM Displacement @ 175 PSIG	icfm	60.9		121.8	60.9	61.5		123.0										
Maximum Pressure	psig	175																
Working Pressure Differential	psig	35																
Pump Operating Speed @ 125 PSIG	rpm	1035				890												
Pump Operating Speed @ 175 PSIG	rpm	1035				770												
Minimum Speed	rpm	400				425												
Maximum Speed	rpm	1050				1000												
Cooling Air Flow 125 PSIG	cfm	1505				2980												
Cooling Air Flow 175 PSIG	cfm	1505				2580												
Heat Rejection	btu/hr	33,600																
Noise Level (8)	dB(A)	82		84	82		84											
Aftercooler Approach Temp (9)	°F	40				30												
Min/Max Operating Temp	°F	32/104																
Dimensions and Weight																		
Tank Size	gal	120	80	120	240	120	240	na	120	240								
Tank Configuration	na	Vert.	Horizontal				na	Horizontal										
Tank Capacity @ 125 PSIG	ft³	136.7	91.1	136.7	284.9	136.7	284.9	na	136.7	284.9								
Tank Capacity @ 175 PSIG	ft³	191.4	127.6	191.4	398.8	191.4	398.8	na	191.4	398.8								
Tank Pumping Time @ 125 PSIG (10)	min	2.7	1.8	2.7	5.7	1.4	2.8	na	2.3	4.8								
Tank Pumping Time @ 175 PSIG (10)	min	3.9	2.6	3.9	8.1	2.0	4.1	na	3.6	7.4								
Package Length	in.	42.7	67.2	71.8	88.2	83.0	88.3	42.7	48.7	73.2								
Package Width	in.	37.4	31.6	32.8	33.3	33.7	37.9	25.3	33.7	35.6								
Package Height	in.	75.7	48.8	54.7	60.7	54.0	60.6	28.2	37.6	62.4								
Approx. Ship Weight	lbs.	1017	898	1012	1371	1860	2460	550	730	1210								
Pump Length	in.	21.13					26.0											
Pump Width	in.	25.42					30.0											
Pump Height	in.	23.563					32.0											
Pump Weight	lbs.	220					440.0											
Discharge Connection (11)	npt "	3/4 F				1 F	1-1/4 F											
Operating/Parts Manual ID	na	CQGF3455					CQGF3456											

6) All units tested in accordance with CAGI/PNEUROP Acceptance Test Code PN2CPTC2.

7) acfm is actual cubic feet per minute at inlet conditions.

8) Sound levels are based off estimated dB(A).

9) Approach temperature is the temperature above the discharge air and above the ambient air of the aftercooler.

10) Tank pumping time is based off 0 PSIG to fully pressurized.

11) M = Male connection, F=Female connection

**NOTE: Duplex models take quantities of 2 on applicable items such as motors, pump, oil quantity, etc.**