



# Chicago Pneumatic

## CPE

Technical Data			
Compressor Drive Motor	Nameplate hp	75	
Inlet Capacity	acfm	374	334
Full Load Operating Pressure	psig	100	125
Max. Operating Pressure	psig	107	132
Min. Operating Pressure	psig	60	
Max. Ambient Operating Temp.	°F	104	
Min. Ambient Operating Temp.	°F	36	
Service Line Connection	" NPT	2	
Male Rotor Speed	rpm	2171	1964
Motor Efficiency	%	94.6%	

Aftercooling Data			
Heat Rejection	btu/hr	192936	184616
Approach to Cooling Air	°F	18	
Fan Motor	nameplate hp	2.40	
Fan Motor Efficiency	%	76%	
Fan Motor Speed	rpm	930	
Fan Flow	cfm	7652	

Compressor Fluid Data			
Reservoir Fluid Capacity	gal (l)	6.6 (25)	
Total Fluid Capacity	gal (l)	14.53 (55)	
Typical Fluid Carryover	ppm	2	

Electrical Data			
Starting Current at 230V	A	808.5	
Full Load Current at 230V	A	231	
Fuse Rating	A	250	
Min. Cable Size	MCM	300	

Sound Data (at 1 meter)			
Standard Enclosure	dB(A)	65	

Energy Consumption			
Unloaded Drive Motor	kW	11.9	10.8
FL Drive Motor Consumption	kW	64.9	62.1
FL Fan Motor Consumption	kW	2.4	2.4
Total Package Consumption	kW	67.3	64.5
Total Package Specific Power	kW/100 cfm	18.0	19.3

Dimensions			
Length	in (mm)	87.86 (2230)	
Width	in (mm)	41.76 (1060)	
Height	in (mm)	63.04 (1600)	
Approx. Weight	lbs (kg)	3153 (1430)	



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Technical Data					
Compressor Drive Motor	Nameplate hp	100			
Inlet Capacity	acfm	517	455	410	379
Full Load Operating Pressure	psig	100	125	150	175
Max. Operating Pressure	psig	107	132	157	182
Min. Operating Pressure	psig	60			
Max. Ambient Operating Temp.	°F	104			
Min. Ambient Operating Temp.	°F	36			
Service Line Connection	" NPT	2			
Male Rotor Speed	rpm	2952	2619	2387	2226
Motor Efficiency	%	95.1%			

Aftercooling Data					
Heat Rejection	btu/hr	258777	249816	248621	246231
Approach to Cooling Air	°F	18			
Fan Motor	nameplate hp	2.40			
Fan Motor Efficiency	%	76%			
Fan Motor Speed	rpm	930			
Fan Flow	cfm	7652			

Compressor Fluid Data					
Reservoir Fluid Capacity	gal (l)	6.6 (25)			
Total Fluid Capacity	gal (l)	14.53 (55)			
Typical Fluid Carryover	ppm	3			

Electrical Data					
Starting Current at 230V	A	1120			
Full Load Current at 230V	A	320			
Fuse Rating	A	350			
Min. Cable Size	MCM	500			

Sound Data (at 1 meter)					
Standard Enclosure	dB(A)	66			

Energy Consumption					
Unloaded Drive Motor	kW	17.1	15.2	13.8	12.9
FL Drive Motor Consumption	kW	86.6	83.6	83.2	82.4
FL Fan Motor Consumption	kW	2.4	2.4	2.4	2.4
Total Package Consumption	kW	89.0	86.0	85.6	84.8
Total Package Specific Power	kW/100 cfm	17.2	18.9	20.9	22.4

Dimensions					
Length	in (mm)	87.86 (2230)			
Width	in (mm)	41.76 (1060)			
Height	in (mm)	63.04 (1600)			
Approx. Weight	lbs (kg)	3304 (1500)			



# Chicago Pneumatic

## CPE

Technical Data					
Compressor Drive Motor	Nameplate hp	125			
Inlet Capacity	acfm	566	528	504	450
Full Load Operating Pressure	psig	100	125	150	175
Max. Operating Pressure	psig	107	132	157	182
Min. Operating Pressure	psig	60			
Max. Ambient Operating Temp.	°F	104			
Min. Ambient Operating Temp.	°F	36			
Service Line Connection	" NPT	2			
Male Rotor Speed	rpm	3209	3027	2898	2619
Motor Efficiency	%	95.7%			

Aftercooling Data					
Heat Rejection	btu/hr	275229	293265	296271	300179
Approach to Cooling Air	°F	18			
Fan Motor	nameplate hp	3			
Fan Motor Efficiency	%	83%			
Fan Motor Speed	rpm	1430			
Fan Flow	cfm	8829			

Compressor Fluid Data					
Reservoir Fluid Capacity	gal (l)	9.25 (35)			
Total Fluid Capacity	gal (l)	22.19 (84)			
Typical Fluid Carryover	ppm	3			

Electrical Data					
Starting Current at 460V	A	644			
Full Load Current at 460V	A	184			
Fuse Rating	A	200			
Min. Cable Size	AWG	4/0			

Sound Data (at 1 meter)					
Standard Enclosure	dB(A)	71			

Energy Consumption					
Unloaded Drive Motor	kW	19.6	18.5	17.7	16.0
FL Drive Motor Consumption	kW	91.6	97.6	98.6	99.9
FL Fan Motor Consumption	kW	3.4	3.4	3.4	3.4
Total Package Consumption	kW	95.0	101.0	102.0	103.3
Total Package Specific Power	kW/100 cfm	16.8	19.1	20.2	22.9

Dimensions					
Length	in (mm)	87.86 (2230)			
Width	in (mm)	41.76 (1060)			
Height	in (mm)	63.04 (1600)			
Approx. Weight	lbs (kg)	3583(1625)			



# Chicago Pneumatic

## CPE

Technical Data					
Compressor Drive Motor	Nameplate hp	150			
Inlet Capacity	acfm	687	615	561	526
Full Load Operating Pressure	psig	100	125	150	175
Max. Operating Pressure	psig	107	132	157	182
Min. Operating Pressure	psig	60			
Max. Ambient Operating Temp.	°F	104			
Min. Ambient Operating Temp.	°F	36			
Service Line Connection	" NPT	2			
Male Rotor Speed	rpm	3883	3495	3216	3033
Motor Efficiency	%	95.5%			

Aftercooling Data					
Heat Rejection	btu/hr	348747	350547	349647	358346
Approach to Cooling Air	°F	18			
Fan Motor	nameplate hp	3			
Fan Motor Efficiency	%	83%			
Fan Motor Speed	rpm	1430			
Fan Flow	cfm	8829			

Compressor Fluid Data					
Reservoir Fluid Capacity	gal (l)	9.25 (35)			
Total Fluid Capacity	gal (l)	22.19 (84)			
Typical Fluid Carryover	ppm	3			

Electrical Data					
Starting Current at 460V	A	756			
Full Load Current at 460V	A	216			
Fuse Rating	A	250			
Min. Cable Size	MCM	250			

Sound Data (at 1 meter)					
Standard Enclosure	dB(A)	75			

Energy Consumption					
Unloaded Drive Motor	kW	23.7	21.3	19.6	18.5
FL Drive Motor Consumption	kW	116.3	116.9	116.6	119.5
FL Fan Motor Consumption	kW	3.4	3.4	3.4	3.4
Total Package Consumption	kW	119.7	120.3	120.0	122.9
Total Package Specific Power	kW/100 cfm	17.4	19.6	21.4	23.4

Dimensions					
Length	in (mm)	87.86 (2230)			
Width	in (mm)	41.76 (1060)			
Height	in (mm)	63.04 (1600)			
Approx. Weight	lbs (kg)	3990 (1810)			