



Chicago Pneumatic

QRS

Technical Data					
Compressor Drive Motor	Nameplate hp	20			
Inlet Capacity	acfm	85	80	71	59
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	1"			
Male Rotor Speed	rpm	4092	3679	3289	2954
Motor Efficiency	%	90.20%			

Aftercooling Data					
Heat Rejection	btu/hr	49015	50715	49298	48448
Approach to Cooling Air	°F	18.00			
Fan Motor	nameplate hp	n/a			
Fan Motor Efficiency	%	n/a			
Fan Motor Speed	rpm	3555			
Fan Flow	cfm	1059			

Compressor Fluid Data					
Reservoir Fluid Capacity	gal (l)	2.64 (10)			
Total Fluid Capacity	gal (l)	7.4 (28)			
Typical Fluid Carryover	ppm	3			

Electrical Data					
Starting Current at 230V	A	213.5			
Full Load Current at 230V	A	61			
Fuse Rating	A	80			
Min. Cable Size	AWG	4			

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

Energy Consumption					
Unloaded Drive Motor	kW	3.2	3.3	3.1	2.8
FL Drive Motor Consumption	kW	17.3	17.9	17.4	17.1
FL Fan Motor Consumption	kW	n/a	n/a	n/a	n/a
Total Package Consumption	kW	17.3	17.9	17.4	17.1
Total Package Specific Power	kW/100 cfm	20.3	22.4	24.6	29.0

Base Dimensions (with tank and dryer)					
Length	inches	47 (69)			
Width	inches	32 (32)			
Height	inches	48 (73)			
Approx. Weight	lbs	781 (1301)			



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Technical Data					
Compressor Drive Motor	Nameplate hp	25			
Inlet Capacity	acfm	105	100	90	78
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	1"			
Male Rotor Speed	rpm	4877	4355	4111	3693
Motor Efficiency	%	91%			

Aftercooling Data					
Heat Rejection	btu/hr	61741	59740	61455	60026
Approach to Cooling Air	°F	18			
Fan Motor	nameplate hp	n/a			
Fan Motor Efficiency	%	n/a			
Fan Motor Speed	rpm	3555			
Fan Flow	cfm	1059			

Compressor Fluid Data					
Reservoir Fluid Capacity	gal (l)	2.64 (10)			
Total Fluid Capacity	gal (l)	7.4 (28)			
Typical Fluid Carryover	ppm	3			

Electrical Data					
Starting Current at 230V	A	255.5			
Full Load Current at 230V	A	73			
Fuse Rating	A	80			
Min. Cable Size	AWG	4			

Sound Data (at 1 meter)					
Standard Enclosure	dB(A)	69			

Energy Consumption					
Unloaded Drive Motor	kW	4.8	3.7	3.7	3.3
FL Drive Motor Consumption	kW	21.6	20.9	21.5	21.0
FL Fan Motor Consumption	kW	n/a	n/a	n/a	n/a
Total Package Consumption	kW	21.6	20.9	21.5	21.0
Total Package Specific Power	kW/100 cfm	20.5	20.9	24.0	27.0

Base Dimensions (with tank and dryer)					
Length	inches	47 (69)			
Width	inches	32 (32)			
Height	inches	48 (73)			
Approx. Weight	lbs	825 (1345)			



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Technical Data					
Compressor Drive Motor	Nameplate hp	30			
Inlet Capacity	acfm	124	117	104	91
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	1"			
Male Rotor Speed	rpm	5595	5282	4726	4327
Motor Efficiency	%	91%			

Aftercooling Data					
Heat Rejection	btu/hr	73540	75257	72681	71823
Approach to Cooling Air	°F	18			
Fan Motor	nameplate hp	n/a			
Fan Motor Efficiency	%	n/a			
Fan Motor Speed	rpm	3546			
Fan Flow	cfm	1766			

Compressor Fluid Data					
Reservoir Fluid Capacity	gal (l)	2.9 (11)			
Total Fluid Capacity	gal (l)	7.4 (28)			
Typical Fluid Carryover	ppm	3			

Electrical Data					
Starting Current at 230V	A	311.5			
Full Load Current at 230V	A	89			
Fuse Rating	A	100			
Min. Cable Size	AWG	2			

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

Energy Consumption					
Unloaded Drive Motor	kW	5.7	5.5	5.2	4.7
FL Drive Motor Consumption	kW	25.7	26.3	25.4	25.1
FL Fan Motor Consumption	kW	n/a	n/a	n/a	n/a
Total Package Consumption	kW	25.7	26.3	25.4	25.1
Total Package Specific Power	kW/100 cfm	20.8	22.5	24.4	27.5

Base Dimensions (with tank and dryer)					
Length	inches	47 (69)			
Width	inches	32 (32)			
Height	inches	48 (73)			
Approx. Weight	lbs	860 (1380)			