Chicago Pneumatic

CPA20 C55

Reference Conditions - Metric				
Absolute inlet pressure	bar (a)	1		
Relative humidity	%	70		
Air inlet temperature	deg C	20		
Limitations				
Maximum effective working pressure	bar(g)	8	10	13
Minimum effective working pressure	bar(g)	4		
Maximum ambient temperature	deg C	40		
Minimum ambient temperature	deg C	5		
Performance Data (1)				
FAD range at reference conditions *	l/m	1.985	1.771	1.480
General Data				
Installed power	HP - kW	20 - 15		
Air end type		C 55		
Type of cooling		air		
Cooling air flow	mc / h	2200		
Available head	mmH2O	3		
Power input at no load	Hp - kW	4,8 - 3,5		
Power input at full load	Hp - kW	16,5 - 12,1	17,5 - 12,9	18,1 - 13,3
Compressed air temperature above ambient	deg C	11	11	15
Sound pressure level **	dB(A)	69		
Specific power at element shaft	J/l	340	400	490
FAD oil content	ppm	3		
Oil capacity	l	5		
Recoverable energy	kcal / h	10.200	10.870	11.160
Electrical data				
Nominal motor speed	rpm	8.167	7.350	6.533
Electric Motor Manufacturer		WEG		
Voltage supply	V / Hz / Ph	230/60/3 - 400/50/3		
Insulating Class/Protection		F / IP55		
Efficiency	%	91,3		
Dryer				
Type		A4+		
Nominal dryer current	A	3,1 - 3,6		
Tension / Frequency / Phases	V/Hz/ph	230/50/1 - 230/60/1		
Working dew point	℃	3		
Nominal power	W	362-441		
Type of cooling		air		
Refrigerant type		R 134 a		
Refrigerant capacity	gr	500		
Installation (Tank Mounted)				
Tank	L	270	500	
Length	mm	1150	1935	
Width	mm	642	642	
Height	mm	1837	1839	
Weight without dryer	kg	359	386	
Weight with dryer	kg	440	471	
Installation (Base Mounted)				
Length	mm	1.095		
Width	mm	642		
Height	mm	1.220		
Weight without dryer	kg	291		
Weight with dryer	kg	321		
Connections				
Air outlet	G	3/4"		
Drive		Belt		

(1) At reference conditions, unless otherwise stated and according to ISO 1217, third edition, annex C.

* Corresponds to 'Actual Volume Flow Rate' (ISO 1217, third edition, annex C).

Measured according ISO 5167-2.

** A-weighted emission sound pressure level at the work station (LpWSAd)

Measured according to ISO 2151: 2004 using ISO 9614/2 (sound intensity method)