

AIR COOLED CONDENSING UNIT

MODEL: PNSA-C-CU

CAPACITY: 6.7 to 12.5 Nominal Tons

80,000 to 150,000 BtuH

23.4 to 43.9 KW



VERTICAL (STANDARD)



HORIZONTAL

Features/Benefits

The PNSA-C-CU unit has a compact design that is up to 30% smaller than earlier air-cooled chillers. The compact footprint can yield substantial installation savings by requiring less structural steel, concrete, security fencing or architectural screening. The PNSA-C-CU unit is delivered as a complete package for easy installation. A quick start-up is assured once installation is complete, since each PNSA-C-CU unit is manufactured at an ISO 9002 listed manufacturing facility to ensure quality. In addition, all units are factory run tested under full load to provide reliable start-up.

UNIT CASING

- Flexible air discharge configuration - Vertically (Standard) or Horizontally
- Constructed of zinc coated heavy gauge, Galvanized steel.
- Power coating for protection against rust.

COMPRESSOR

- Hermetic scroll compressor.
- All compressor are mounted on vibration isolators

AIR COOLED CONDENSER

- Seamless copper tubes, Mechanically expanded into aluminum or copper fins with full height collars.
- Leak tested at 350 psig from factory.
- Fan shall be dynamically and statically

PHYSICAL DATA & ELECTRICAL DATA

MODEL: PNSA-C-CU		007	009	010	012	015
Nominal Cooling Capacity	BTUH	80,000	90,700	100,000	120,000	150,000
	Tons	6.67	7.56	9.58	10.38	12.83
	KWH	23.4	26.6	33.7	36.5	45.1
Power Input	KW	7.39	8.67	9.81	12.27	15.10
Rated Voltage		380V / 3P / 50Hz - 440V / 3P / 60Hz				
Compressor Type		Hermetic Scroll x 1				
Condenser Coil	Type/Material	Aluminium / Copper Corrugated Fin With Inner Groove Copper Tube				
	Rows..Fins/In	2....16	3....14	2....16	3....12	
	Tube Size (in)	3/8				
Condenser Fan	Type	Propeller Fan : Vertical / Horizontal Discharge : Direct drive				
	Rpm.	900				
	Qty./Unit	1				
	MOTOR (H.P.)	3/4			1	
Refrigerant	Type	R-22 (R-407C OR R-410A ON REQUEST ONLY)				
	Charge	Holding (2 KG)				
Connections	(Each)					
Suction	(in.)	1-1/8		1-3/8		1-5/8
Liquid	(in.)	5/8				
Weight Operation	(Kgs.)	155	163	168	200	235

Note:

- * Nominal capacity based on 7.2 deg. C section temperature and 35 deg. C ambient temperature
- * Unit supplied from factory only 2kg of pre charged

ELECTRICAL DATA

MODEL : PNSA-C-CU	007	009	010	012	015
Compressor					
Voltage / Phase / Hz	380V / 3P / 50Hz - 440V / 3P / 60Hz				
Qty.	1				
Power Input (KW)	6,542	7,821	8,957	10,800	13,622
FLA. (Amp.)	12.1	14.3	20.7	22.9	27.3
LRA. (Amp.)	98	130		145	175
Fan Motor (Each)					
Voltage / Phase / Hz	380V / 3P / 50Hz - 440V / 3P / 60Hz				
Qty.	1				
Power Input (KW)	850			1,470	
FLA. (Amp.)	1.2			1.23	

DIMENSIONAL DATA

MODEL : PNSA-C-CU		007	009	010	012	015
Dimension (mm)						
Length	A	920		1090	1188	
Width	B	900		1050	1095	
Height	C	925		1128	1228	

DIMENSIONAL DRAWING

