

# WPCH SERIES

## WATER COOLED PACKAGE

### HORIZONTAL TYPE

#### R410A Refrigerant

Cooling Nominal: 2 - 5 Tons (7.0-17.5 kW)

WATER SOURCE	MODEL NO.	WPCH	008C2A	012C2A	016C2A	020C2A
			-TC1070	-TC1105	-TC1140	-TC1175
	Total Capacity	Btuh (kw)	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (17.5)
	Sensible Capacity	Btuh (kw)	16,560 (4.9)	27,360 (8.0)	36,480 (10.7)	43,800 (12.8)
	Air Flow @ esp 0.4 in (100pa)	CFM (m <sup>3</sup> /hr)	800 (1360)	1200 (2040)	1600 (2720)	2000 (3400)
	Coil Type		Aluminum fin - Copper tube 4 row coil.			
	Coil face Area	Sqft (Sqm)	1.75 (0.16)	2.89 (0.27)	3.88 (0.36)	3.88 (0.36)
	Coil face Velocity	f/m (m/s)	457 (2.32)	415 (2.10)	412 (2.09)	412 (2.09)
	Condenser Type		Shell & Tube			
	Water Flow Rate	GPM (L/S)	4 (0.25)	6 (0.38)	8 (0.61)	10 (0.63)
	Water Pressure drop	ft-wg (kPa)	9.2 (27.5)	3.5 (10.3)	10.4 (31.0)	21.9 (65.5)
	Fan Motor	Type	PSC - Permanent Split Capacitor Motor			
		HP	1/4	1/3	1/2	3/4
		Speed	3-Speed			
		Type	Centrifugal			
		Fan Qty	1	1	1	1
		Blower Size (in)	9 x 7	10 x 8	10 x 10	10 x 10
		Indoor Fan (FLA)	1.5	1.9	2.9	4.0
	Compressor	Type	Scroll			
		RLA (208/230)	15.0 / 13.5	18.6 / 16.7	23.9 / 21.4	29.3 / 26.3
		LRA	58.3	79.0	135.0	134.0
	Electrical	Voltage	208 - 230/1/60 Hz			
		Range	min 198 ~ max 242			
		Min. Circuit Amps (MCA)	20.3	25.2	32.8	40.6
		Max. Fuse Amps (MOCP)	35	40	50	60
	Refrigerant R-410A (oz./kg)		39 / 1.1	48 / 1.4	73 / 2.1	78 / 2.2
	Water Connections M.P.T - In/Out in. (mm)		3/4 (19.05)	3/4 (19.05)	1 (25.4)	1 (25.4)
	Drain Connections Threaded inches (mm)		3/4 (19.05)			
	Filter Dimension		18 x 20	18 x 25	18 x 33.5	18 x 33.5
	Dimensions inches (mm)	Height	19 5/8 (500)	19 5/8 (500)	19 5/8 (500)	19 5/8 (500)
		Width	35 7/8 (910)	45 1/4 (1150)	51 1/4 (1300)	51 1/4 (1300)
		Depth	21 1/4 (540)	25 5/8 (650)	25 5/8 (650)	25 5/8 (650)
	Net Weight Lbs (kgs)		220 (100)	264 (120)	279 (127)	281 (128)