



Building Technology & Solutions
Energy Efficient Chilled Water Hi-Wall and Cassette Units

HI WALL UNIT



Valve Package



Optional Drain Pump



Optional UVGI for Air Stream Disinfection

Johnson controls chilled water Hi-wall units are high efficiency air conditioning units. They are the ideal HVAC solution for both new construction and renovation projects for hotels, apartments, retail centers, office, buildings, education facilities etc.

Salient features

- Ample coil surface area for enhanced cooling performance
- Multi fan speeds for powerful & quiet cooling operation.
- Auto swing for good air flow.
- Ultra-low height design
- Large LCD display of Room Temperature on the front panel
- Coil with 7mm grooved copper pipes for high efficiency.
- Hydrophilic aluminum fins for longer life
- Energy saving BLDC motors for 0.8 TR to 2 TR capacity
- Sleek hand-held wireless remote for easy operation
- Optional Wired remote
- Optional externally mounted Valve Package with options of 2-way valve, 3-way valve and PICB valve
- Optional Drain pump for critical applications
- Inbuilt UV lamp as an option for air stream disinfection

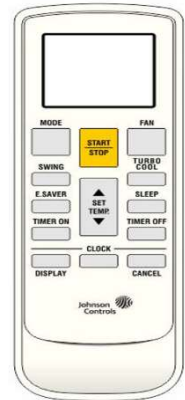
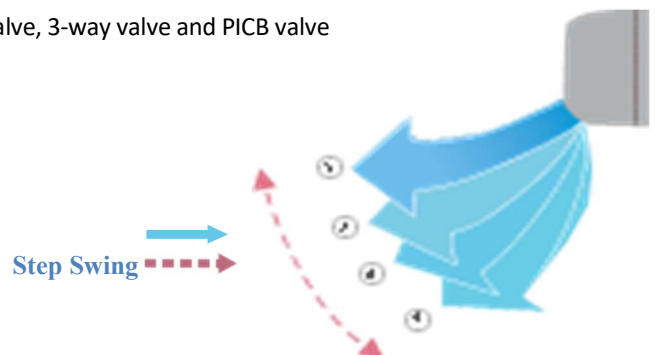


Fig. Hi Wall Wireless Remote



Technical Specifications

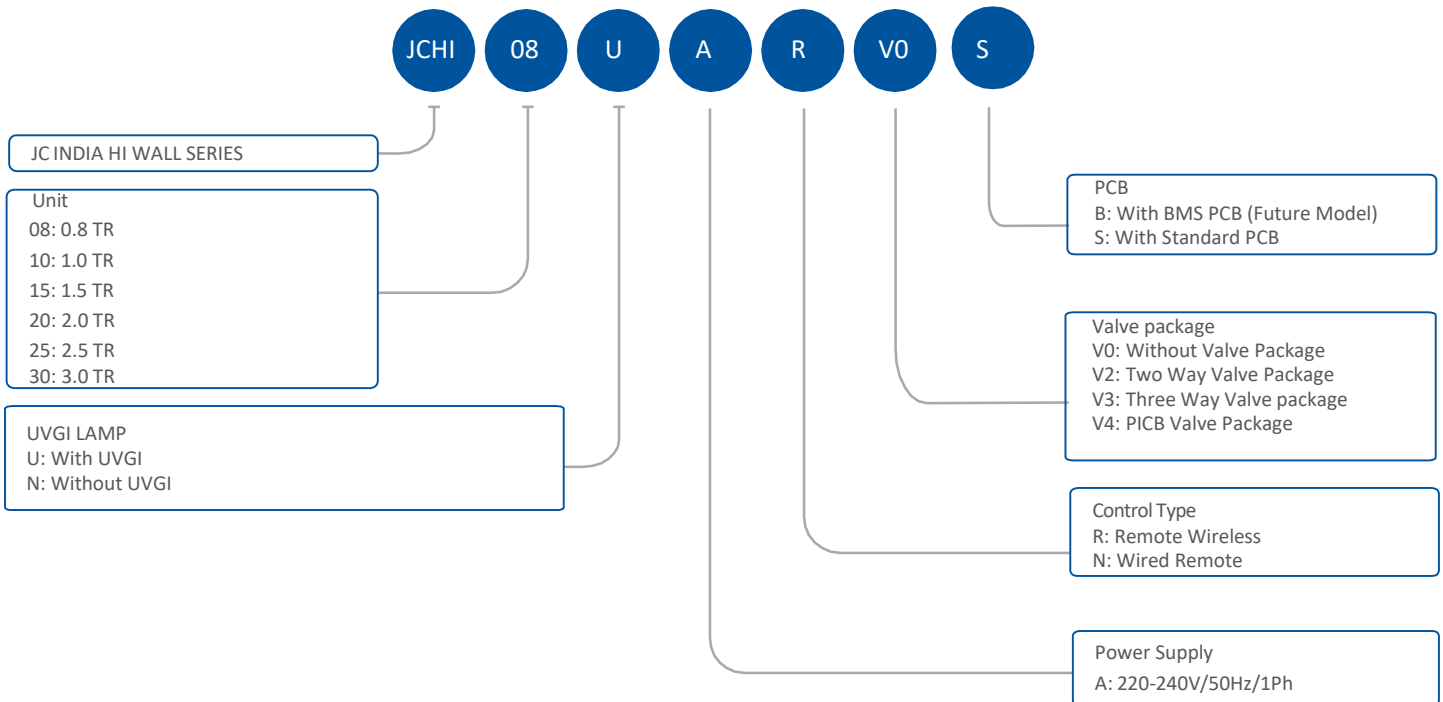
Model Number		JCHI08	JCHI10	JCHI15	JCHI20	JCHI25	JCHI30	
Nominal Air Flow ¹		CMH	697	750	1,080	1,400	1,700	2,040
Cooling Capacity ¹		KW	2.81	3.52	5.28	7.04	8.79	10.54
		TR	0.8	1	1.5	2	2.5	3.0
Rated Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Motor	Type	-	BLDC	BLDC	BLDC	BLDC	AC	AC
	Power ¹	W	18	18	30	35	60	60
Coil	Tube Information	-		Copper tube, 7mm Inner Grooved				
	Fin Information	-		Hydrophilic Coated Aluminium Louvered Fin				
Sound Pressure Level ²		dBA	44	44	46	49	52	52
Dimension	(W*D*H)	mm	800x222x292	800x222x292	1000x230x295	1100x246x329	1260x282x362	1260x282x362
Operating Weight		Kg	9.3	9.3	11	16.5	21.2	21.2

Notes: Rated Cooling Conditions: Air Inlet at 27 °C-DB / 19.5 °C -WB, Chilled Water Inlet / Outlet at 7 °C / 12 °C

1 - Nominal Air Flow, Cooling Capacity and Power consumption value mentioned is at high speed

2 - Sound pressure level is at 1m distance from unit in semi anechoic room at atmospheric conditions.

Product Nomenclature



*Optional Drain pump is supplied as an additional accessory against order

4 WAY CASSETTE

3



Valve Package option

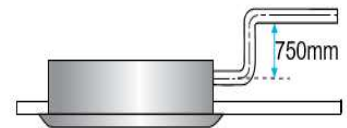


Optional UVGI for Air Stream Disinfection

Johnson controls chilled water cassette units are high efficiency, exposed type air conditioning units. They are the ideal HVAC solution for both new construction and renovation projects for hotels, apartments, retail centers, office, buildings, and education facilities.

Additional features other than Hi Wall Unit

- Standard built-in drain pump with 750mm pump head
- Optional Fresh Air inlet



Technical Specifications

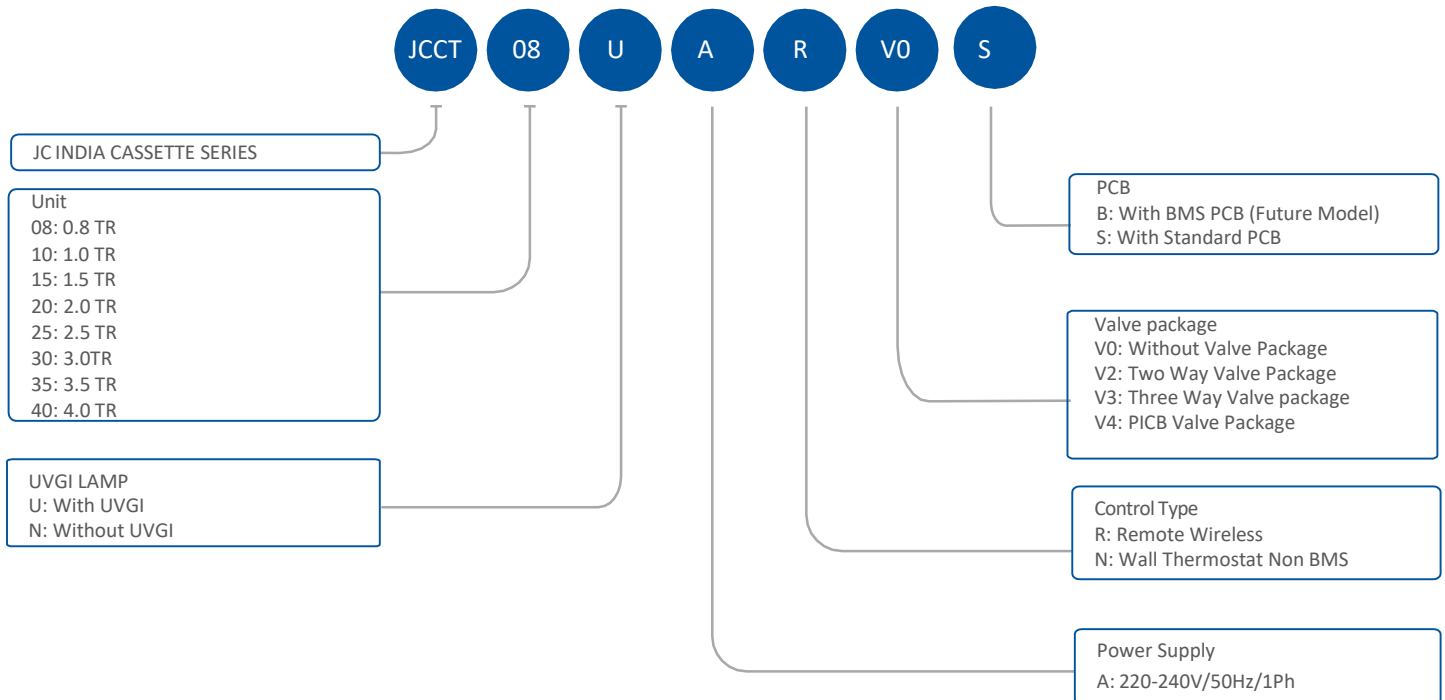
Model Number		JCCT08	JCCT10	JCCT15	JCCT20	JCCT25	JCCT30	JCCT35	JCCT40
Nominal Air Flow ¹	CMH	510/440 /360	680/580 /480	1020/765 /510	1360/1020 /680	1700/1275 /850	2040/1530 /1020	2380/1785 /1190	2380/1785 /1190
Cooling Capacity ¹	KW	2.81	3.52	5.28	7.04	8.8	10.56	12.3	14.08
	TR	0.8	1	1.5	2	2.5	3	3.5	4
Power Supply	V/Ph/Hz	220-240/50/1							
Motor	Type	-	AC	AC	AC	AC	AC	AC	AC
	Power ¹	W	55	62	96	134	165	189	225
Coil	Tube Information	-	Copper tube 7mm inner grooved						
	Fin information	-	Hydrophilic Coated Aluminium Louvered Fin						
Sound Pressure Level ²	dBa	≤39	≤42	≤45	≤46	≤48	≤50	≤52	≤52
Dimension	mm	650x650 X315	650x650 X315	950x950 X305	950x950 X305	950x950 X345	950x950 X345	950x950 X345	950x950 X345
Weight	Kg	21	21	29.5	30.5	31.5	33	33	33

Notes: Rated Cooling Conditions: Air Inlet at 27 °C - DB / 19.5 °C -WB, Chilled Water Inlet / Outlet at 7°C / 12°C

1 - Nominal Air Flow, Cooling Capacity and Power consumption value mentioned is at high speed

2 - Sound pressure level is at 1m distance from unit in semi anechoic room at atmospheric conditions.

Product Nomenclature



About Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers and manufacturing. With a global team of 100,000 experts in more than 150 countries and over 130 years of innovation, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Johnson Controls, Tyco®, YORK®, Metasys®, Trion®, Frick®, Penn®, Sabroe®, Simplex®, Ansul®, Grinnell® etc.

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The Power Behind Your Mission

