

SECTION 15 - SCHEDULES

15.07 PROCESS CHILLER SCHEDULE

Ref.	CH/4.01 & 4.02
Type	Packaged Air-Cooled Chiller
Location	4 th Floor
Manufacturer	ICS Cool Energy
Model	Aptus ATXA 023
Quantity	2 (Duty/Standby)
Compressor Type	Scroll Compressor
Flow Temperature	6°C
Return Temperature	14°C
External Ambient Temperatures	35°C db and 21°C wb.
Chiller Duty	61.5 kW
Chilled Water Flow Rate	1.79 l/s
Buffer Vessel (If Required)	(Supplied by Manufacturer)
Refrigerant Type	R454b
Rated Voltage	400V / 3Ø / 50Hz
Running Current	55.0 A
Maximum Current	187.0 A
Dimensions H x W x D (mm)	1,854 x 1,,285 x 2,346
Weight (wet)	1,714 kg
Sound Power Level (at unit)	85 dB(A)

Notes:

1. The chiller shall be supplied complete with integral quick fill system, integral buffer vessel and high head dual pump.
2. The chiller shall be provided with all necessary ancillaries and controls.
3. The water system shall be provided with Glycol treatment to meet 35% as required by the MRI equipment.
4. The chiller shall be mounted on a bigfoot support system, as detailed by the structural engineer.
5. The chiller shall be provided with Internal anti-vibration dampers on the compressors, mufflers, dampers on refrigerant pipes and acoustically lagged compressor enclosure.
6. Chillers CHW/5.01&5.02 shall be provided with manufacturer's proprietary modularity and conversion kit, and run in a duty/standby arrangement.
7. The chiller shall be provided with non-ferrous water circuit.
8. The chiller shall have volt free contacts for plant enable and common fault alarm for connection to BMS.
9. The Chillers shall be as manufactured by ICS Cool Energy Ltd, or equal and approved:

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