Specifications:

Items	**Unit**	**MEDICOOL/CH55E4P4R410A.M**
Nominal cooling capacity (1)	kW	56
Total input power (not including pump) (1)	kW	29
Power supply voltage	Rated	460V-3-60Hz
The maximum input power	kW	34
The maximum input current	A	53
Startup current	A	130
Compressor	**Quantity**	**4**
Input power (1)	kW	7.2×4
Refrigerant		R410A
Filling of refrigerant	kg	6.5+6.5
Evaporator	**n.**	**2**
Flow	L/min	80~140
Volume of water tank	L	280
Pump	**n.**	**2**
Input power of pump	kW	4
Lift of delivery of water cooler	mH_2O	55
Fan	**Quantity**	**2**
Power	kW	0.93×2
Air volume	M^3/h	12000×2
Dimensions		
Length	mm	2030
Width	mm	1400
Height	mm	1990
Net weight	Kg	780
Total weight	Kg	1030
Noise	dB(A)	75

Installation requirements:

3.1.1 Distance & Height of the Location

NOTE: The piping distance from chiller to the MRI should be less than 50m to avoid additional water resistance which may cause low flow rate. The elevation of the chiller installation below the MR should not be greater than 3 m (9.8ft).

When the elevation of the chiller is installed above the MRI, please follow the requirements as the table below,which makes sure the hydraulic pressure that coolant supplies to the inlet of MRI is less than 6 bar.

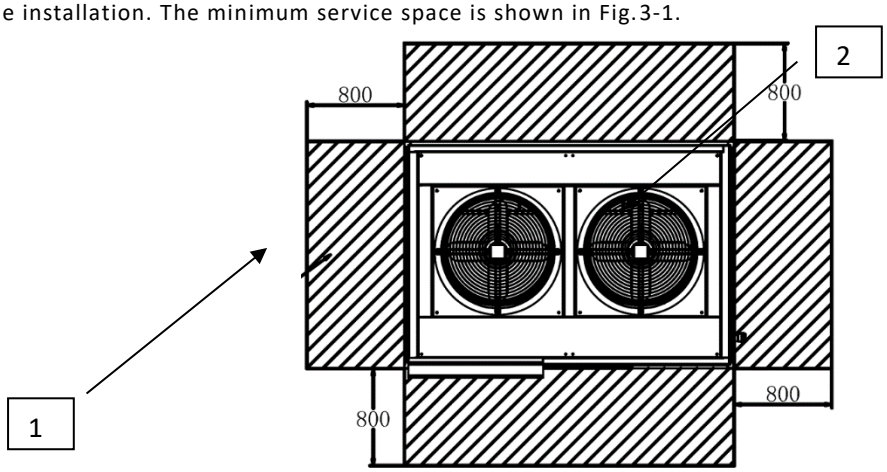
NOTE **：All data in this sheet is in 2" piping and elbows used for calculation are less than 10. The calculation of HEC pressure drop as 3.4 bar.**

The length of one-way pipe （m)	50	45	40	35	30	25
Maximum allowable installation height(m)	20	20	20	20	21	21
Maximum allowable flow （l/min)	132	132	132	132	132	132

Table-7 The requirements of installation height

3.2 Air Flow Considerations

The air inlets are at the right, left and rear side of chiller. The air outlet is on the top of the chiller. Airflow flow in and out of the unit will affect cooling performance. The minimum clearance of the machine is required when you plan the installation. The minimum service space is shown in Fig.3-1.



1. Reserved installation and repair space
2. Chiller

3.3 Installation Location Requirements

The chiller should be located in a well ventilated area with an average inlet temperature <1 ° C. Avoid installation in other heat sources (Such as air conditioning outdoor unit) blowing hot air position.

Avoid installation next to trees, the leaves maybe sucked into the condenser and affect the ventilation heat dissipation.

No pollution sources such as oil discharge or smoke chimneys near the chiller.

No obstruction within 3m above the chiller.

Chiller should be installed as far as possible to make the condenser wind inlet side to avoid the monsoon. Where it is essential to face strong monsoon, it recommended that the user build a windproof wall (plate), as Fig 3-2.

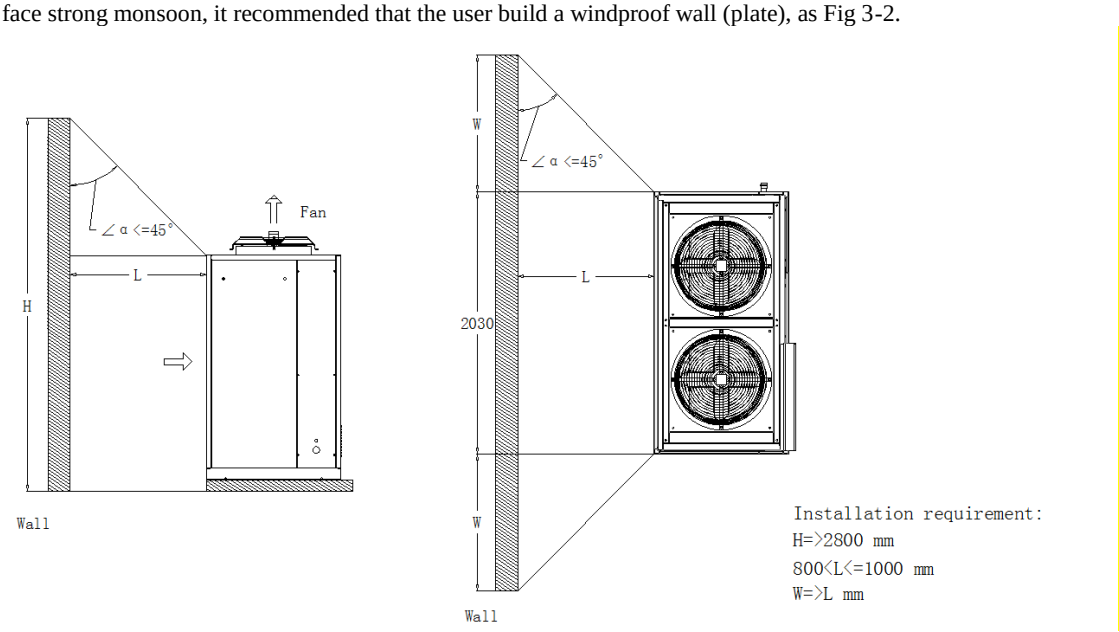


Fig 3-2 The distance between wall and chiller.

3.4 Concrete Ground Requirements

Concrete ground used for mounting the unit should be a level surface, which is 1/300cm max allowed and be properly supported to prevent sedimentation. A concrete made area of 250.0cm (98.4 in) x170.0cm (66.9 in) at strength of minimum17.23MPa (2500 psi), 4 inches thickness recommended, is needed to place the chiller. Refer to Fig.3-1 for concrete dimension.

NOTE: **The concrete footing should meet or exceed the local code requirements.**

4 Installation and Startup

4.1 Pipeline Connection

It is recommended that the coolant loop to be finished by chiller service provider or well trained people. Please follow the requirements list below when you plan the path of pipe line between chiller and MRI.