

HITACHI FAN COIL UNIT



Horizontal Basic Type

RF-307CI, RF-407CI, RF-607CI,
RF-807CI, RF-1007CI, RF-1207CI, RF-1407CI

FEATURES

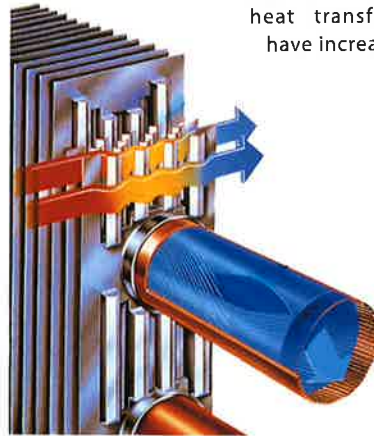
Wide Range of Air Flow Capacity

The air flow ranges are from 300 CFM to 1400 CFM. The cooling capacity ranges are from 2400 kcal/hr to 11400 kcal/hr, the heating capacity ranges are from 4300 kcal/hr to 20800 kcal/hr. The wide range of air flow and capacity can provide various selections for any room condition.



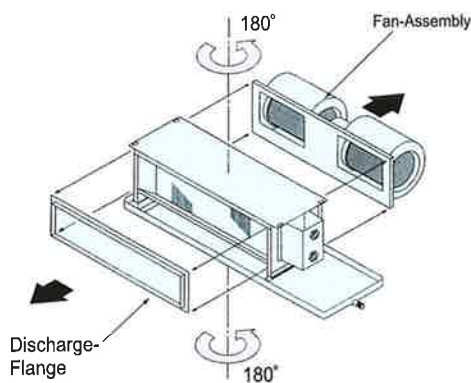
Highly Efficient Heat Exchanger

Highly-Efficient Super Slit Fin: HITACHI's patented super slit fins are equipped with our evaporators which have improved heat transfer efficiency and have increased compactness.



Easy Exchange for Water Piping Direction

In exchange of water-piping direction, you are simply requested to change the Fan-Assembly and Discharge-Flange in opposite direction. In case of special demand during installation, you can easily change the piping direction.



Less Water Pressure Drop

Highly-Efficient water pump saves money and energy.



Compact Size

In order to suit for any location, we have presented a more compact size of fan coil unit.

Low Noise

The adoption of high efficiency Fan-Assembly ensures low noise and low vibration.

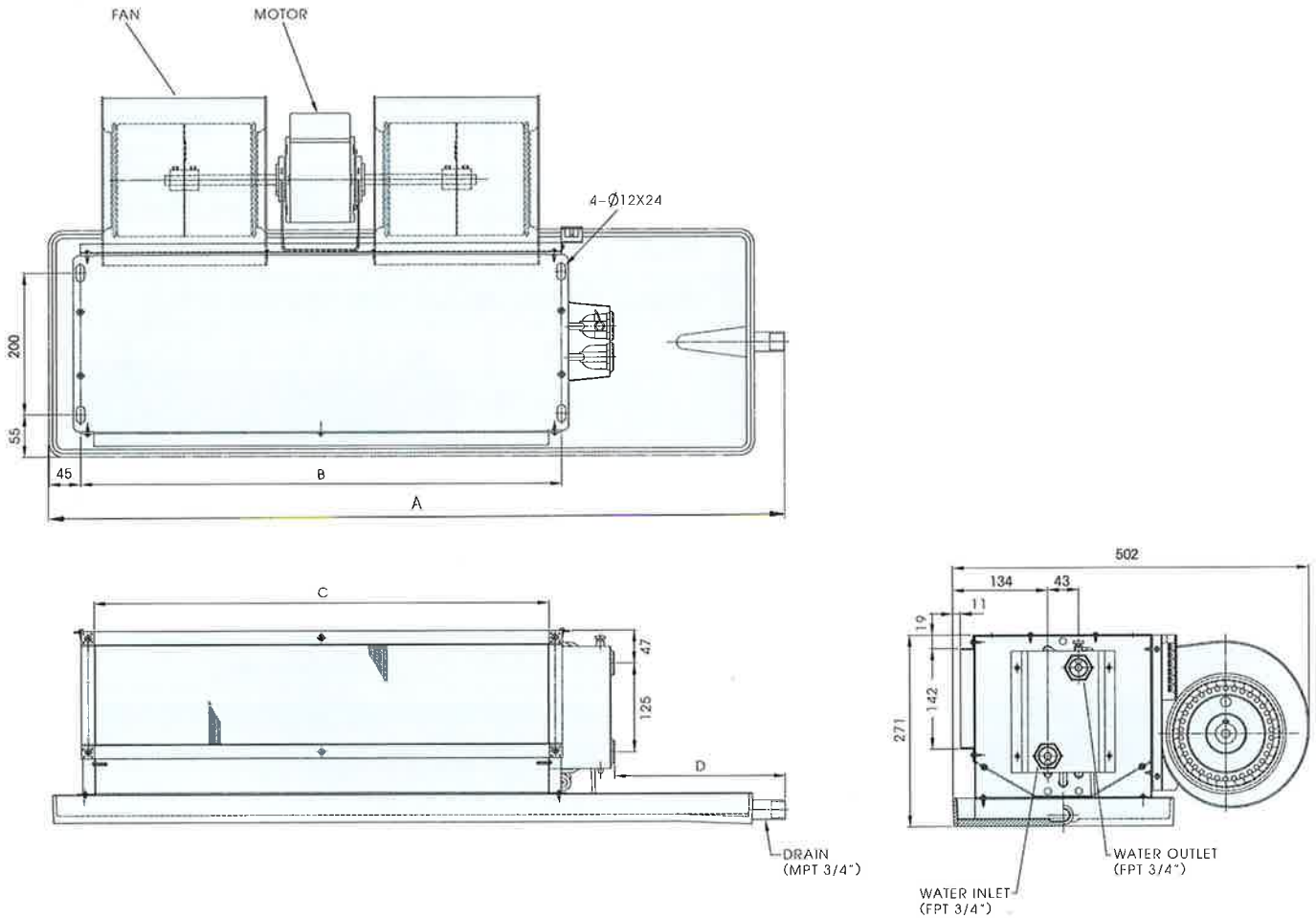
SPECIFICATIONS

ITEM UNIT			MODEL							
			RF-307CI	RF-407CI	RF-607CI	RF-807CI	RF-1007CI	RF-1207CI	RF-1407CI	
CABINET			ELECTROLYTIC ZINC-COATED STEEL SHEETS							
FAN	TYPE		SIROCCO FAN DOUBLE-SUCTION TYPE							
	NUMBER		1	2	2	2	3	4	4	
	AIR FLOW	m3/min	8.5	11	17	22	28	34	40	
		[C.F.M]	[300]	[400]	[600]	[800]	[1000]	[1200]	[1400]	
MOTOR	TYPE		SINGLE PHASE INDUCTION MOTOR (PSC)							
	NUMBER		1	1	1	1	2	2	2	
	POWER SOURCE		AC.1Φ. 200~240. 50Hz							
	INPUT	220V	(Hi/Me)	50/42	66/55	99/88	140/95	156/133	186/166	305/227
		240V	W	60/48	78/63	115/101	163/109	181/154	218/190	356/260
	STATIC PRESSURE		NORMAL STATIC PRESSURE:2mmAq							
			(WIRING TO TERMINAL NO.2,3,4)							
			HIGH STATIC PRESSURE:5mmAq							
(WIRING TO TERMINAL NO.1,2,3)										
COIL	TYPE		SUPER SLIT-FINNED TUBE TYPE							
	FIN PIECES PER INCH		11							
CAPACITY	COOLING CAPACITY	Kcal/hr [B.T.U]	2400 [9520]	3500 [13880]	4800 [19030]	6700 [26560]	8200 [32510]	9800 [38850]	11000 [43650]	
	HEATING CAPACITY	Kcal/hr [B.T.U]	4300 [17050]	5500 [21810]	8700 [34490]	12500 [49560]	14500 [57490]	17400 [68980]	19500 [77380]	
	WATER FLOW	l/min	8	11	16	22	25	32	37	
	DROP	mmAq	0.7	1.3	3.4	4.4	2.2	3.7	5.5	
PIPING	WATER INLET		F.P.T.3/4							
	WATER OUTLET		F.P.T.3/4							
	DRAIN OUTLET		M.P.T.3/4							
UNIT WEIGHT		Kg[lb]	16[35]	21[46]	23[51]	26[57]	33[73]	38[84]	38[84]	

- NOTE: 1.Cooling capacity is based on entering air temperature 27°C D.B, 19.5°C W.B., and entering water temperature 7°C and standard water flow rate.
 2.Heating capacity is based on entering air temperature 21°C D.B and entering water temperature 60°C and standard water flow rate.
 3.Each model has 3 speeds (HIGH) (MEDIUM) (LOW) 2 modes (High static pressure) (Normal static pressure)
 4.Maximum operating temperature is 40°C
 5.The data of air flow and cooling capacity are based on normal static pressure.

PROFILE DIMENSIONS

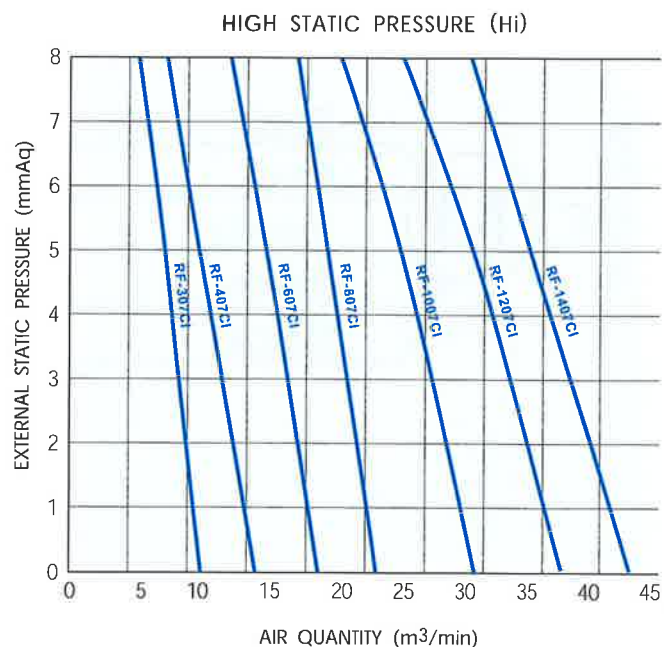
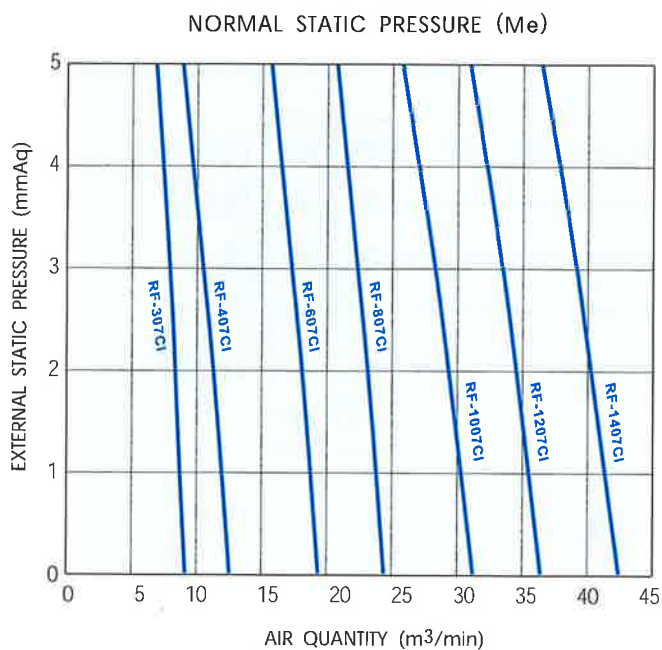
CI Series (HORIZONTAL BASIC TYPE)



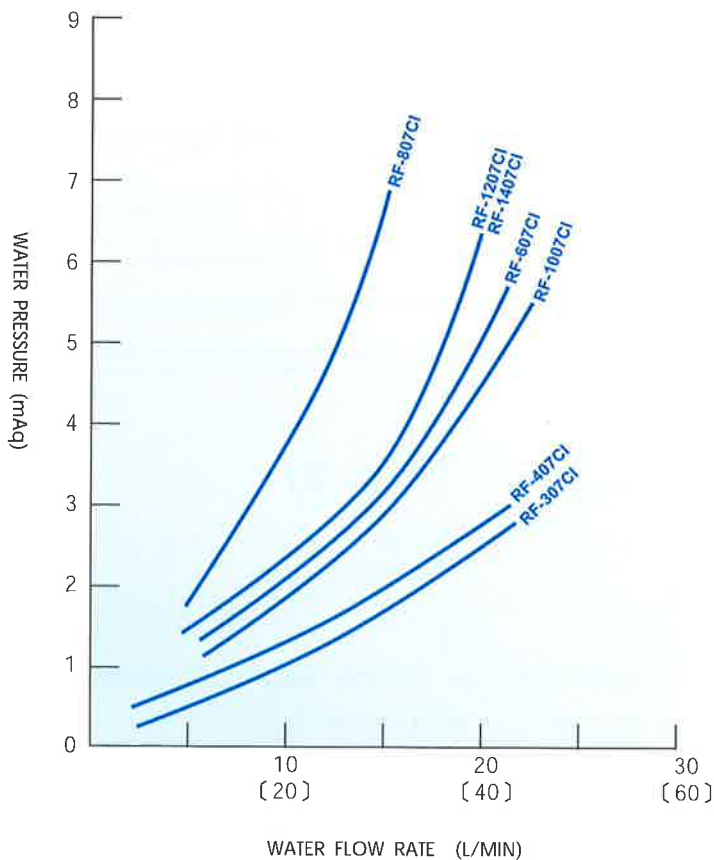
MODEL	DIMENSIONS(mm)			
	A	B	C	D
RF-307CI	1050	430	392	488
RF-407CI	1250	680	642	438
RF-607CI	1400	830	792	438
RF-807CI	1600	1030	992	438
RF-1007CI	1850	1230	1192	488
RF-1207CI	2100	1480	1442	488
RF-1407CI	2100	1480	1442	488

OTHER PERFORMANCE CHARTS

FAN STATIC PRESSURE CURVES



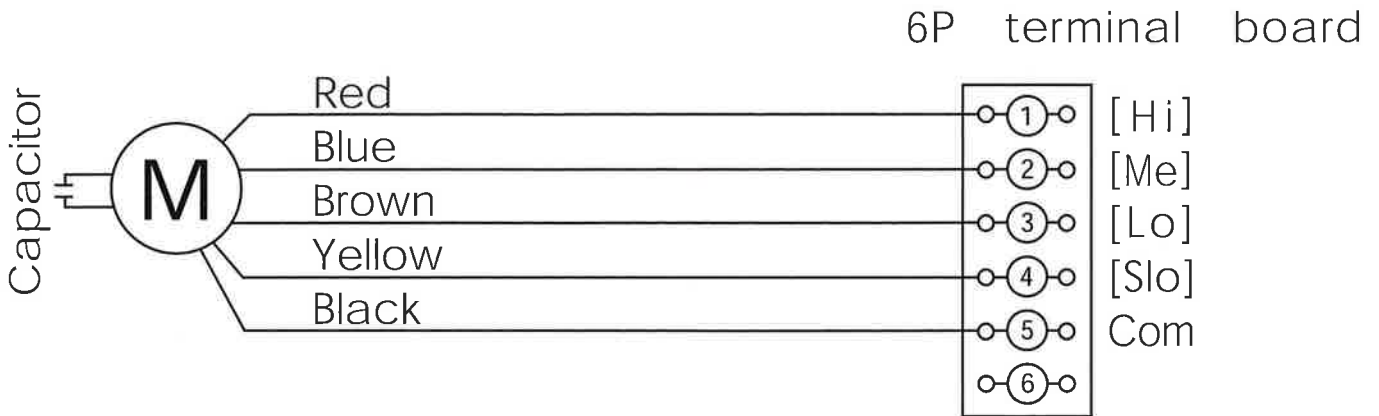
WATER PRESSURE DROP CURVES



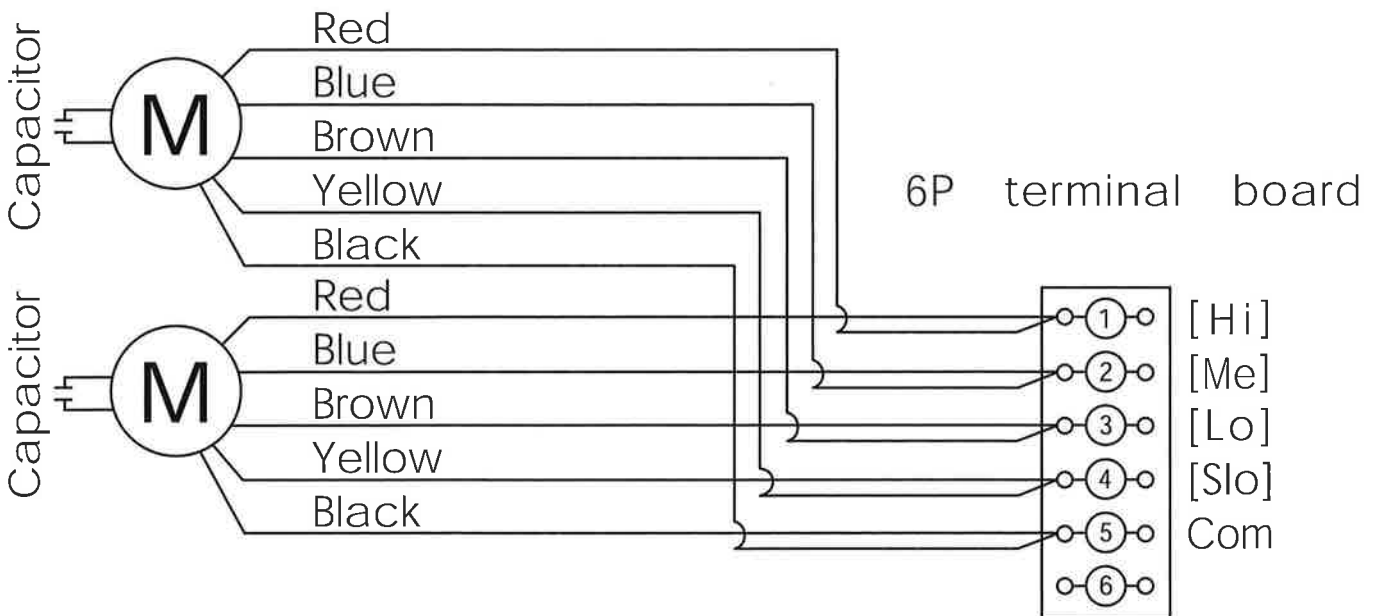
Value in [] is for RF-807CI, RF-1007CI, RF-1207CI, RF-1407CI

WIRING DIAGRAM

ELECTRIC WIRING



[Fig. 1]



[Fig. 2]

NOTE: 1.All Field Wiring and Equipment must comply with local codes.

2.Wiring [Fig.1] used for Fan Coil RF-307CI~RF-807CI.

3.Wiring [Fig.2] used for Fan Coil RF-1007CI~RF-1407CI.

4.Normal static pressure:wiring to terminal No.2, 3 and 4 which correspond to Me, Lo, Slo, respectively.

5.High static pressure:wiring to terminal No.1, 2 and 3 which correspond to Hi, Me, Lo, respectively.

Note:



Specifications in this catalog are subject to change without notice, in order that HITACHI may bring the latest innovations to our customers.

2007 Printed In Taiwan

 **Hitachi Appliances, Inc.**

Catalog No. TH-F-04, 2007