



**FLAKE ICE & REFRIGERATION
SYSTEMS PRIVATE LIMITED**



We Maintain Temperature



0° C. APPLICATIONS :
Chill Room Units

Model	FIRS 56-0 CU	FIRS 73-0 CU	FIRS 91-0 CU	FIRS 108-0 CU	FIRS 126-0 CU
Elec. Supply	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz
Total Power cons.	4.9 KW	6.15 KW	7 KW	9.25 KW	9.5 KW
Compressor	H	H	H	H	H
Refrigerant	R 404 A	R 404 A	R 404 A	R 404 A	R 404 A
Condenser					
Fin spacing	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm
Fan	2 x ø 350	2 x ø 400	2 x ø 450	3 x ø 400	3 x ø 450
Power consumption	2 x 150 w	2 x 195 w	2 x 240 w	3 x 195 w	3 x 240 w
Quantity of air	4,375 m ³ /hr	5,850 m ³ /hr	7,300 m ³ /hr	8,700 m ³ /hr	10,190 m ³ /hr
Evaporator					
Fin spacing	4.25 mm	4.25 mm	4.25 mm	4.25 mm	4.25 mm
Fan	2 x ø 400	2 x ø 450	3 x ø 400	3 x ø 450	3 x ø 450
Power consumption	2 x 195 W	2 x 240 w	3 x 195 w	3 x 240 w	3 x 240 w
Quantity of air	6,000 m ³ /hr.	8,400 m ³ /hr.	9,000 m ³ /hr.	11,400 m ³ /hr.	12,600 m ³ /hr.
Air throw	7 M	7 M	16 M	16 M	16 M
Cooling capacity/unit	5,600 W	7,300 W	9,100 W	10,850 W	12,600 W
Expansion	T. E. V.	T. E. V.	T. E. V.	T. E. V.	T. E. V.

■ H = Hermetic ■ S = Semi Hermetic ■ T.E.V = Thermostatic Expansion Valve ■ Units are designed for ambient 40 ° C to 45 ° C.

5° C. APPLICATIONS :
Chill Room Units

Model	FIRS 58-5 CU	FIRS 77-5 CU	FIRS 96-5 CU	FIRS 115-5 CU	FIRS 135-5 CU
Elec. Supply	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz
Total Power cons.	4.58 KW	5.45 KW	6.9 KW	7.8 KW	9.0 KW
Compressor	H	H	H	H	H
Refrigerant	R 404 A	R 404 A	R 404 A	R 404 A	R 404 A
Condenser					
Fin spacing	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm
Fan	2 x ø 350	2 x ø 400	2 x ø 450	3 x ø 400	3 x ø 450
Power consumption	2 x 150 w	2 x 195 w	2 x 240 w	3 x 195 w	3 x 240 w
Quantity of air	4,375 m ³ /hr	5,850 m ³ /hr	7,300 m ³ /hr	8,750 m ³ /hr	10,250 m ³ /hr
Evaporator					
Fin spacing	4.25 mm	4.25 mm	4.25 mm	4.25 mm	4.25 mm
Fan	2 x ø 400	2 x ø 450	3 x ø 400	3 x ø 450	3 x ø 450
Power consumption	2 x 195 W	2 x 240 w	3 x 195 W	3 x 240 w	3 x 240 w
Quantity of air	6,000 m ³ /hr.	8,400 m ³ /hr.	9,200 m ³ /hr.	11,400 m ³ /hr.	12,600 m ³ /hr.
Air throw	7 M	7 M	16 M	16 M	16 M
Cooling capacity/unit	5,800 W	7,735 W	9,650 W	11,570 W	13,510 W
Expansion	T. E. V.	T. E. V.	T. E. V.	T. E. V.	T. E. V.

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10° C. APPLICATIONS :

Chill Room Units

Model	FIRS 6I-10 CU	FIRS 8I-10 CU	FIRS 102-10 CU	FIRS 122-10 CU	FIRS 143-10 CU
Elec. Supply	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz	415V/3Ph /50Hz
Total Power cons.	3.9 KW	5.15 KW	5.95 KW	7.5 KW	8.4 KW
Compressor	H	H	H	H	H
Refrigerant	R 404 A	R 404 A	R 404 A	R 404 A	R 404 A
Condenser					
Fin spacing	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm
Fan	2 x ø 350	2 x ø 400	2 x ø 450	3 x ø 400	3 x ø 450
Power consumption	2 x 150 w	2 x 195 w	2 x 240 w	3 x 195 w	3 x 240 w
Quantity of air	4,375 m ³ /hr	5,850 m ³ /hr	7,300 m ³ /hr	8,750 m ³ /hr	10,250 m ³ /hr
Evaporator					
Fin spacing	4.25 mm	4.25 mm	4.25 mm	4.25 mm	4.25 mm
Fan	2 x ø 400	2 x ø 450	3 x ø 400	3 x ø 450	3 x ø 450
Power consumption	2 x 195 W	2 x 240 w	3 x 195 W	3 x 240 w	3 x 240 w
Quantity of air	6,000 m ³ /hr.	8,400 m ³ /hr.	9,300 m ³ /hr.	12,300 m ³ /hr.	12,900 m ³ /hr.
Air throw	7 M	7 M	16 M	16 M	16 M
Cooling capacity/unit	6,142 W	8,190 W	10,211 W	12,250 W	14,350 W
Expansion	T. E. V.	T. E. V.	T. E. V.	T. E. V.	T. E. V.

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-18° C. APPLICATIONS :

Cold Room Units

Model	FIRS 56 - 18 FU	FIRS 95 - 18 FU	FIRS 110 - 18 FU	FIRS 165 - 18 FU	FIRS 190 - 18 FU	FIRS 250 - 18 FU
Elec. Supply	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz
Total Power cons.	6.6 Kw	9.76 Kw	12 Kw	17 Kw	20 Kw	25 Kw
Compressor	S	S	S	S	S	S
Refrigerant	404 A	404 A	404 A	404 A	404 A	404 A
Condenser						
Fin spacing	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm
Fan	1 x Dia 500	1 x Dia 630	1 x Dia 630	2 x Dia 500	2 x Dia 550	2 x Dia 630
Power consumption	450 W	860 W	860 W	2 X 450 W	2 X 650 W	2 X 860 W
Quantity of air	6000 m ³ /h	13000 m ³ /h	13000 m ³ /h	14000 m ³ /h	17000 m ³ /h	26000 m ³ /h
Condensing capacity/unit	12 Kw	17 Kw	20 Kw	30 Kw	35 Kw	42 Kw
Evaporator						
Fin spacing	6.3 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm
Fan	2 x Dia 400	2 x Dia 500	3 x Dia 500	3 x Dia 450	3 x Dia 550	4 x Dia 550
Power consumption	2 x 190 W	2 x 450 W	2 x 450 W	3 x 650 W	3 x 650 W	3 x 650 W
Quantity of air	8000m ³ /h	14000m ³ /h	14000m ³ /h	19800m ³ /h	25500m ³ /h	25500m ³ /h
Air throw	6 M	6 M	6 M	16 M	16 M	16 M
Cooling capacity/unit	5600 W	9500 W	11000 W	16500 W	19000 W	25000 W
Expansion	T.E.V	T.E.V	T.E.V	T.E.V	T.E.V	T.E.V
Defrost	Heater	Heater	Heater	Heater	Heater	Heater

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- 22° C. APPLICATIONS :

Cold Room Units

Model	FIRS 47-22 FU	FIRS 72-22 FU	FIRS 96-22 FU	FIRS 140-22 FU	FIRS 155-22 FU	FIRS 200-22 FU
Elec. Supply	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz
Total Power cons.	6 kw	8 Kw	11 Kw	15 Kw	18 Kw	21Kw
Compressor	S	S	S	S	S	S
Refrigerant	404 A	404 A	404 A	404 A	404 A	404 A
Condenser						
Fin spacing	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm
Fan	1 x Dia 500	1 x Dia 550	1 x Dia 630	2 x Dia 500	2 x Dia 550	2 x Dia 630
Power consumption	1 X 450 W	450 W	860 W	2 X 510 W	2 X 650 W	2 X 860 W
Quantity of air	7000 m ³ /h	8000 m ³ /h	13000 m ³ /h	14000 m ³ /h	17000 m ³ /h	26000 m ³ /h
Condensing capacity/unit	12 Kw	16 Kw	20 Kw	28 Kw	32 Kw	38 Kw
Evaporator						
Fin spacing	6.3 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm
Fan	2 x Dia 400	3 x Dia 400	3 x Dia 500	3 x Dia 500	3 x Dia 550	4 x Dia 550
Power consumption	2 x 190 W	3 x 190 W	3 x 450 W	3 x 450 W	3 x 650 W	3 x 650 W
Quantity of air	8000m ³ /h	12000m ³ /h	21000m ³ /h	21000m ³ /h	24000m ³ /h	24000m ³ /h
Air throw	6 M	6 M	6 M	16 M	16 M	16 M
Cooling capacity/unit	4700 W	7200 W	9600 W	14000 W	15500 W	20000 W
Expansion	T.E.V	T.E.V	T.E.V	T.E.V	T.E.V	T.E.V
Defrost	Heater	Heater	Heater	Heater	Heater	Heater

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- 25° C. APPLICATIONS :

Cold Room Units

Model	FIRS 36-24 FU	FIRS 55-25 FU	FIRS 78-25 FU	FIRS 115-25 FU	FIRS 125-25 FU	FIRS 170-25 FU
Elec. Supply	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz	415V/3 PH/50Hz
Total Power cons.	5Kw	7 Kw	10.5 Kw	13.51 Kw	15.51 Kw	19.5Kw
Compressor	S	S	S	S	S	S
Refrigerant	404 A	404 A	404 A	404 A	404 A	404 A
Condenser						
Fin spacing	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm	2.54 mm
Fan	1 x Dia 500	1 x Dia 550	1 x Dia 630	2 x Dia 450	2 x Dia 550	2 x Dia 630
Power consumption	1 X 450 W	450 W	860 W	2 X 510 W	2 X 650 W	2 X 860 W
Quantity of air	7000 m ³ /h	7000 m ³ /h	13000 m ³ /h	14000 m ³ /h	17000 m ³ /h	26000 m ³ /h
Condensing capacity/unit	7 Kw	12 Kw	16 Kw	22 Kw	24 Kw	34 Kw
Evaporator						
Fin spacing	6.3 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm
Fan	2 x Dia 400	2 x Dia 400	3 x Dia 500	3 x Dia 500	3 x Dia 550	3 x Dia 550
Power consumption	2 x 190 W	3 x 190 W	3 x 450 W	3 x 450 W	3 x 550 W	3 x 550 W
Quantity of air	8000m ³ /h	12000m ³ /h	21000m ³ /h	21000m ³ /h	24000m ³ /h	24000m ³ /h
Air throw	6 M	6 M	6 M	16 M	16 M	16 M
Cooling capacity/unit	3600 W	5500 W	7800 W	11500 W	12500 W	17000 W
Expansion	T.E.V	T.E.V	T.E.V	T.E.V	T.E.V	T.E.V
Defrost	Heater	Heater	Heater	Heater	Heater	Heater

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