

CHILLER MODULAR ENFRIADO POR AIRE

MODELOS:

MGBT F60W/DN1 / MGBT F120W/DN1

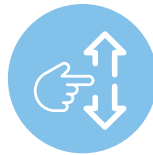
MGBT F180W/DN1



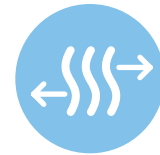
La amplia gama de Chillers confiables y eficientes para una variedad de aplicaciones, que incluyen aire acondicionado a gran escala, enfriamiento de procesos industriales, etc.



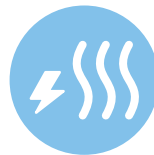
220V 3Ph, 17 / 34 / 51
Ton, se pueden combinar
un máximo de 8 unidades



Amplio rango de
temperatura ambiente (10
a 52 en solo frío y 10 a 27
en calefacción)



Amplio rango de
temperatura de salida del
agua (0 a 17 en solo frío y
27 a 50 en calefacción)



El intercambiador de calor
adopta el nuevo diseño de
deflector helicoidal para evitar el
lugar rectangular de la zona muerta
del agua, lo que mejora en gran
medida la eficiencia del
intercambio de calor



La operación de ciclo
alternativo y la función
de respaldo garantizan la
estabilidad del sistema

Model		MGBT-F60W/DN1		MGBT-F120W/DN1		MGBT-F180W/DN1		
Cooling Capacity (*1)		kW	60	120	180			
		Btu/h	204,700	409,400	614,100			
Cooling Capacity (*2)		kW	51.6	103.2	154.8			
		Btu/h	176,100	352,100	528,200			
Heating Capacity		kW	65	130	195			
Power supply		V/Ph/Hz	220/3/60	220/3/60	220/3/60			
Power supply	Manual Switch	A	175	350	450			
	Fuse	A	150	300	350			
Compressor	Type		Scroll (fixed speed)		Scroll (fixed speed)		Scroll (fixed speed)	
	Brand		Danfoss		Danfoss		Danfoss	
	Model		SH105A3ALC		SH105A3ALC		SH105A3ALC6	
	Quantity	Pieces	2	4	6			
Power input	Cooling(*1)	kW	19.5	39	58.5			
	Cooling rated current (*1)	A	63	126	189			
	Cooling (*2)	kW	23.4	46.8	70.2			
	Cooling rated current	A	75.6	151.2	226.8			
	Heating	kW	20	40	60			
	Heating rated current	A	65.5	130	196.5			
Max. Input consumption		kW	26.2	54.5	73.3			
Max. Current		A	87.2	164.7	218.2			
Refrigerant	Type		R410A		R410A		R410A	
	Refrigerant control		EXV+ capillary throttle		EXV+ capillary throttle		EXV+ capillary throttle	
	Weight	kg	6.5x2	6.5x4	6.2x6			
Condenser (Air side)	Air side heat-exchanger type		Fin-coil		Fin-coil		Fin-coil	
	Quantity of fan motor	Pieces	2	4	5+1			
	Air flow volume	×103m3/h	24	48	72			
	Fan motor model		Y5650-8B		Y5650-8B		Y5650-8B	
	Fan motor rated current	A	3.7x2	3.7x4	3.7x6			
	Fan motor input	kW	0.65x2	0.65x4	0.65x6			
Evaporator (Water side)	Water side heat-exchanger type		Shell-tube		Shell-tube		Shell-tube	
	Water pressure drop	kPa	12	25	30			
	Water inlet/outlet pipeline inside normal diameter		mm	DN100	DN65	DN80		
			inch	4"	2-1/2"	3"		
	Water flow volume		m3/h	10.3	20.6	31		
	Max. Pressure		MPa	1	1	1		
	Volume		L	42	64	90		
	Water pipe connection type		Flexible joint		Flexible joint		Flexible joint	
Dimension	Net(W×H×D)		mm	2000×1880×900	2000×2090×1685	2850×2110×2000		
			inch	78.7×74×35.4	78.7×82.3×66.3	112.2×83.1×78.7		
	Packing(W×H×D)		mm	2090×2055×985	2080×2240×1755	2980×2260×2135		
			inch	82.3×80.9×38.8	81.9×88.2×69	117.3×89×84.1		
Weight	Net weight		kg	580	1180	1730		
			lbs	1278.7	2601.5	3814		
	Gross weight		kg	650	1230	1780		
			lbs	1433	2177.7	4409.0		
Connection wiring	Power wire	mm2xNo	35×4+10 ×1	70x3+25x2	150x3+70x2			
	Signal wire	mm2xNo	0.75×3-core with shielding	0.75×3-core with shielding	0.75×3-core with shielding			
Control type			Wired controller		Wired controller		Wired controller	
Safety protection device			1) Protection for over-high discharge pressure. 2) Protection for over-low suction pressure. 3) Power supply phase sequence protection. 4) Anti-frozen protection in cooling mode. 5) Anti-frozen protection in Winter. 6) Protection for compressor over current. 7) Protection for compressor overload. 8) Outlet and inlet water temperature difference protection. 9) Compressor discharge temperature protection. 10) Water flow cut-off protection. 11) Sensor malfunction protection.		1) Protection for over-high discharge pressure. 2) Protection for over-low suction pressure. 3) Power supply phase sequence protection. 4) Anti-frozen protection in cooling mode. 5) Anti-frozen protection in Winter. 6) Protection for compressor over current. 7) Protection for compressor overload. 8) Outlet and inlet water temperature difference protection. 9) Compressor discharge temperature protection. 10) Water flow cut-off protection. 11) Sensor malfunction protection.		1) Protection for over-high discharge pressure. 2) Protection for over-low suction pressure. 3) Power supply phase sequence protection. 4) Anti-frozen protection in cooling mode. 5) Anti-frozen protection in Winter. 6) Protection for compressor over current. 7) Protection for compressor overload. 8) Outlet and inlet water temperature difference protection. 9) Compressor discharge temperature protection. 10) Water flow cut-off protection. 11) Sensor malfunction protection.	
Sound level(semi-anechoic)		dB(A)	67	70	74			
Operation water temperature		°C	Cooling : 5 ~17 Heating : 45 ~50	Cooling : 5 ~17 Heating : 45 ~50	Cooling : 5 ~17 Heating : 45 ~50			
Ambient temperature		°C	Cooling : 10 ~ 52 Heating : 10 ~ 21	Cooling : 10 ~ 52 Heating : 10 ~ 21	Cooling : 10 ~ 52 Heating : 10 ~ 21			