

# CHILLER MODULAR ENFRIADO POR AIRE

MODELOS:

MGBT F60W/DN1 / MGBT F120W/DN1

MGBT F180W/DN1



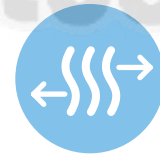
La amplia gama de Chillers confiables y eficientes para una variedad de aplicaciones, que incluyen aire acondicionado a gran escala, enfriamiento de procesos industriales, etc.



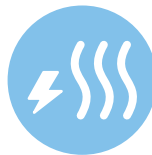
220V 3Ph, 17 / 34 / 51  
Ton, se pueden combinar  
un máximo de 8 unidades



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	×103m <sup>3</sup> /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 inch	DN100 4"	DN65 2-1/2"	DN80 3"
	Water flow volume	m <sup>3</sup> /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 inch	2000×1880×900 78.7×74×35.4	2000×2090×1685 78.7×82.3×66.3
Packing(W×H×D)		mm inch	2090×2055×985 82.3×80.9×38.8	2080×2240×1755 81.9×88.2×69	2980×2260×2135 117.3×89×84.1
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