

INDUSTRIAL RANGE



CHILLER

MODULAR HIGH TEMPERATURE CHILLER



DC Inverter
compressor and
fans



Cascade
installation



Wired control



Modbus
gateway



Range of
temperature
configurable



auto
snow-blowing

MODEL	HTW- CHS65MZ-T3HTA		HTW- CHS75MZ-T3HTA		HTW- CHS110MZ-T3HTA		HTW- CHS140MZ-T3HTA		With group HTW- CHS65MG-T3HTA		With group HTW- CHS75MG-T3HTA		
	EAN CODE		8435483859685		8435483859661		8435483859647		8435483859630		8435483859678		8435483859654
Power supply	V, F, HZ		380-415V (3 Phase ~ 50Hz)										
PERFORMANCE													
Cooling capacity (A35W7)	Capacity	kW	57,00	70,00	100,00	130,00	56,68	69,29					
	input	kW	19,00	26,80	32,78	50,00	19,79	28,26					
	EER	W/W	3,00	2,61	3,05	2,60	2,86	2,45					
Cooling capacity (A35W18)	Capacity	kW	76,00	86,00	128,00	138,00	75,30	85,07					
	input	kW	20,27	23,12	33,70	36,32	22,14	25,06					
	EER	W/W	3,75	3,72	3,80	3,80	3,40	3,39					
SEER	W/W	5,00	5,00	4,80	4,80	4,92	4,85						
Heating capacity (A7W65)	Capacity	kW	60,00	61,00	100,00	110,00	60,10	61,10					
	input	kW	26,10	26,75	42,90	50,00	26,24	26,89					
	COP	W/W	2,30	2,28	2,33	2,20	2,29	2,27					
Heating capacity (A7W55)	Capacity	kW	64,00	66,00	106,00	126,00	64,15	66,15					
	input	kW	21,33	22,15	35,30	49,22	21,68	22,50					
	COP	W/W	3,00	2,98	3,00	2,56	2,96	2,94					
Heating capacity (A7W45)	Capacity	kW	65,00	75,00	110,00	140,00	65,65	75,71					
	input	kW	18,30	22,06	29,90	44,73	19,43	23,51					
	COP	W/W	3,55	3,40	3,68	3,13	3,38	3,22					
Heating capacity (A7W35)	Capacity	kW	64,00	77,00	112,00	142,00	64,65	77,70					
	input	kW	15,24	19,74	27,00	38,17	16,37	21,61					
	COP	W/W	4,20	3,90	4,15	3,72	3,95	3,59					
SCOP (35)	Medium climate	W/W	3,40	3,40	3,25	3,25	3,36	3,36					
SCOP (55)	Medium climate	W/W	4,50	4,50	4,25	4,25	4,47	4,47					
TEMPERATURE LIMIT RANGE FOR OPERATION													
Refrigeration	Min. / Max.	°C	-15~48	-15~48	-15~48	-15~48	-15~48	-15~48					
Heating	Min. / Max.	°C	-25~43	-25~43	-25~43	-25~43	-25~43	-25~43					
ACS	Min. / Max.	°C	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43					
SUPPLY TEMPERATURE RANGE													
Refrigeration	Min. / Max.	°C	From 0 to 20	From 0 to 20	From 0 to 20	From 0 to 20	From 0 to 20	From 0 to 20					
Heating	Min. / Max.	°C	From 25 to 65	From 25 to 65	From 25 to 65	From 25 to 65	From 25 to 65	From 25 to 65					
ACS	Min. / Max.	°C	From 30 to 62	From 30 to 62	From 30 to 62	From 30 to 62	From 30 to 62	From 30 to 62					
ACS ^a	Min. / Max.	°C	From 30 to 70	From 30 to 70	From 30 to 70	From 30 to 70	From 30 to 70	From 30 to 70					
TECHNICAL CHARACTERISTICS													
Refrigerant gas			R32	R32	R32	R32	R32	R32					
Refrigerant charge	kg		9,00	9,00	15,50	15,50	9,00	9,00					
GWT			675	675	675	675	675	675					
CO ₂ Equivalent	T		6,0750	6,0750	10,4625	10,4625	6,0750	6,0750					
Fan	Engine type		DC	DC	DC	DC	DC	DC					
	Number		2	2	2	2	2	2					
Heat exchanger	Type		Plates	Plates	Plates	Plates	Plates	Plates					
	Volume	l	5,17	5,17	11,10	11,10	5,17	5,17					
Water flow rate	Refrigeration	m ³ /h	0,44	0,65	0,39	0,65	-	-					
	Heating	m ³ /h	9,80	12,04	17,20	22,36	9,80	12,04					
Flow range	m ³ /h		11,20	12,90	18,90	24,08	11,20	12,90					
Water pump	Manometric height	m	3 ~ 14	3 ~ 14	5 ~ 26	6 ~ 26	3 ~ 14	3 ~ 14					
			-	-	-	-	23	17,3					
Expansion vessel		l	-	-	-	-	12	12					
	Preload pressure	bar	-	-	-	-	1,5	1,5					
	Test pressure	bar	-	-	-	-	10	10					
Sound power ^{1 2}		dB(A)	80	86	80	92	80	86					
Sound pressure (1m) ^{1 2}		dB(A)	64	69	64	73	64	69					
Sound power ^{1 2}	(Silent mode)	dB(A)	77	82	75	88	77	82					
Sound power ^{1 2}	(Super Silent Mode)	dB(A)	74	78	72	85	74	78					
PIPELINE DATA													
Ø Connection	Liquid	mm	DN50	DN50	DN65	DN65	DN50	DN50					
DIMENSIONS AND WEIGHT													
Net dimensions (WxHxD)	mm		2000x1770x960	2000x1770x960	2220x2300x1135	2220x2300x1135	2000x1770x960	2000x1770x960					
Gross Dimensions (WxHxD)	mm		2085x1890x1030	2085x1890x1030	2250x2445x1180	2250x2445x1180	2085x1890x1030	2085x1890x1030					
Net / gross weight	Kg		440/455	440/455	670/690	670/ 690	475/ 490	475/ 490					

Notes:

1. The sound pressure level is the average of the test measured in a semi-anechoic chamber. The test position is 1 m directly in front of the unit on all four sides and (1+H)/2 m (where H is the height of the unit) from the ground. 2. (A7W45) 3. Heat pump + electric resistance. The electrical resistance of the accumulator must be supplied by a third party.