

10432

09 - 2019

EREBA 17T-21T

Ecoconception (813/2013)

TECHNICAL DATA MANUAL



Performances according to EU Regulation 2016/2281

Model [1]		Water/Air [3]
Outdoor side heat exchanger [2]		Water/Air [3]
Indoor side heat exchanger [4]		
Type [5]		
Driver of compressor [6]		

Rated cooling capacity, kW [7]	P _{rated}	
Seasonal Space Cooling Energy Efficiency, % [8]	ns.c	
Seasonal Energy Efficiency Ratio, kWh/kWh [9]	SEER	
Temperature Application [10]		NA
Tj, °C	Capacity Pdc, kW [11]	EERd [12]
		Degradation coef, Cdc [13]

Power consumption in modes other than active mode [14]

Off mode, W [15]	POFF
Thermostat-off mode, W [16]	PTO
Standby mode, W [17]	PSB
Crankcase heater mode, W [18]	PCK

Other items [19]

Capacity control [20]	Fixed/Variable [21]
Indoor Outlet temperature capacity control [22]	Fixed/Variable [21]
Indoor Water flow rate capacity control [23]	Fixed/Variable [21]

For air-to-water chillers [26]

Air flow rate, outdoor, m ³ /h [28]	
--	--

Contact details [30]

--

Accessories and Installed Options

No Accessories or Installed Options selected

ENGLISH	FRANCAIS	DEUTSCH	ITALIANO
[1] Model	[1] Modèle	[1] Modell(e)	[1] Modelli
[2] Outdoor side heat exchanger	[2] Échangeur côté extérieur	[2] Äußerer Wärmetauscher	[2] Scambiatore di calore lato esterno
[3] Water/Air	[3] Eau/air	[3] Wasser/Luft	[3] Acqua / Aria
[4] Indoor side heat exchanger	[4] Échangeur côté intérieur	[4] Innerer Wärmetauscher	[4] Scambiatore di calore lato interno
[5] Type	[5] Type	[5] Typ	[5] Tipo
[6] Driver of compressor	[6] Transmission du compresseur	[6] Verdichter-Frequenzumrichter	[6] Driver del compressore
[7] Rated cooling capacity, kW	[7] Puissance frigorifique nominale, kW	[7] Nenn-Kälteleistung, kW	[7] Capacità di raffreddamento nominale, kW
[8] Seasonal Space Cooling Energy Efficiency, %	[8] Efficacité énergétique saisonnière mode froid, %	[8] Jahreszeitbedingte Raumkühlungs-Energieeffizienz, %	[8] Efficienza dell'energia frigorifera stagionale degli ambienti, %
[9] Seasonal Energy Efficiency Ratio, kWh/kWh	[9] Rapport d'efficacité énergétique saisonnière, kWh/kWh	[9] Jahreszeitbedingtes Energieeffizienzverhältnis, kWh/kWh	[9] Rapporto di efficienza energetica stagionale, kWh/kWh
[10] Temperature Application	[10] Température d'application	[10] Temperaturanwendung	[10] Temperatura d'applicazione
[11] Capacity Pdc, kW	[11] Capacité Pdc, kW	[11] Leistung Pdc, kW	[11] Potenza Pdc, kW
[12] EERd	[12] EERd	[12] EERd	[12] EERd
[13] Power consumption in modes other than active mode	[13] Coefficient de dégradation, Cdc	[13] Abminderungskoeffizient, Cdc	[13] Coeff. di degradazione, Cdc
[14] Off mode, W	[14] Consommation d'électricité dans les modes autres que le mode actif	[14] Stromverbrauch in anderen Betriebsarten als dem Betriebszustand	[14] Consumo energetico in modi diversi dal modo attivo
[15] Thermostat-off mode, W	[15] Mode arrêt, W	[15] Aus-Zustand, W	[15] Modo spento, W
[16] Standby mode, W	[16] Mode arrêt par thermostat, W	[16] Thermostat-aus-Zustand, W	[16] Modo termostato spento, W
[17] Crankcase heater mode, W	[17] Mode veille, W	[17] Bereitschaftszustand, W	[17] Modo stand-by, W
[18] Other items	[18] Mode résistance de carter active, W	[18] Betriebszustand mit Kurbelgehäuseheizung, W	[18] Modo riscaldamento del carter, W
[19] Capacity control	[19] Autres caractéristiques	[19] Sonstige Elemente	[19] Altri elementi
[20] Fixed/Variable	[20] Régulation de la puissance	[20] Leistungssteuerung	[20] Controllo della capacità
[21] Indoor Water flow rate capacity control	[21] Fixe/variable	[21] Fix / variabel	[21] fissa/variabile
[22] Outdoor Heat Exchanger	[22] Régulation de capacité pour température de sortie en intérieur	[22] Leistungsregelung nach der Vorlauftemperatur innen	[22] Controllo della capacità della temperatura di uscita interna
[23] Indoor Water flow rate capacity control	[23] Régulation de capacité pour débit d'eau en intérieur	[23] Leistungsregelung nach dem Wasservolumenstrom innen	[23] Controllo della capacità della portata d'acqua interna
[24] Outdoor Water flow rate capacity control	[24] Échangeur extérieur	[24] Wärmetauscher außen	[24] Scambiatore di calore esterno
[25] For air-to-water chillers	[25] Régulation de capacité pour débit d'eau en extérieur	[25] Leistungsregelung nach dem Wasservolumenstrom außen	[25] Controllo della capacità della portata d'acqua esterna
[26] For water-to-water chillers	[26] Pour les groupes d'eau glacée air/eau	[26] Für Luft/Wasser-Kaltwassersätze	[26] Per refrigeratori aria/acqua
[27] Air flow rate, outdoor, m³/h	[27] Pour les groupes d'eau glacée eau/eau	[27] Für Wasser/Wasser-Kaltwassersätze	[27] Per refrigeratori acqua/acqua
[28] Rated water(brine) flow rate, outdoor side heat exchanger, m³/h	[28] Débit d'air, extérieur, m³/h	[28] Luftvolumenstrom, außen, m³/h	[28] Portata d'aria, esterna, m³/h
[29] Contact details	[29] Débit nominal d'eau (eau glycolée), échangeur côté extérieur, m³/h	[29] Nenn-Wasservolumenstrom (Glykolwasser), Außenwärmetauscher, m³/h	[29] Portata nominale acqua (salamoia), scambiatore di calore lato esterno, m³/h
[30]	[30] Coordonnées de contact	[30] Kontakt	[30] Recapiti

SVENSKA	ESPAÑOL	NEREDLANDS	POLSKI
[1] Modell(er)	[1] Modelos	[1] Model(len)	[1] Model(-e)
[2] Värmeväxlare på utomhussidan	[2] Intercambiador de calor lateral exterior	[2] Externe warmtewisselaar	[2] Wymiennik ciepła po zewnętrznej stronie
[3] Vatten/Luft	[3] Agua/Aire	[3] Water/Lucht	[3] Powietrze/woda
[4] Värmeväxlare på inomhussidan	[4] Intercambiador de calor lateral interior	[4] Interne warmtewisselaar	[4] Wymiennik ciepła po wewnętrznej stronie
[5] Typ	[5] Tipo	[5] Type	[5] Typ
[6] Motor eller kompressor	[6] Controlador de compresor	[6] Driver van compressor	[6] Sterownik sprężarki
[7] Angiven kylkapacitet, kW	[7] Potencia frigorífica nominal, kW	[7] Nominaal koelvermogen, kW	[7] Znamionowa wydajność chłodnicza, kW
[8] Säsongsmedelverkningsgrad för rumskylning, %	[8] Eficiencia energética de refrigeración estacional del grupo, %	[8] Seizoensrendement van koelenergie van ruimte, %	[8] Sezonowa efektywność energetyczna chłodzenia pomieszczeń, %
[9] Säsongsköldfaktor, kWh/kWh	[9] Índice de eficiencia energética estacional, kWh/kWh	[9] Seizoensenergierendement verhouding, kWh/kWh	[9] Współczynnik sezonowej efektywności energetycznej, kWh/kWh
[10] Temperaturförhållanden	[10] Aplicación de temperatura	[10] Temperatuur toepassing	[10] Warunki Temperaturowe
[11] Eftekt Pdc, kW	[11] Capacidad Pdc, kW	[11] Capaciteit Pdc, kW	[11] Wydajność deklarowana (Pdc), kW
[12] EERd	[12] EERd	[12] EERd	[12] EERd
[13] Degraderingskoeff., Cdc	[13] Coeficiente de degradación, Cdc	[13] Verliescoëff. Cdc	[13] Wsp. strat, Cdc
[14] Effektförbrukning i andra lägen än aktivt lågeactive mode	[14] Consumo de electricidad en modos distintos del activoactive mode	[14] Elektrificitsverbruik in andere standen dan de actieve modusactive mode	[14] Pobór mocy w trybach innych niż aktywny
[15] Frånläge, W	[15] Modo desactivado, W	[15] Uit-stand, W	[15] Tryb wyłączenia, W
[16] Termostatfrånläge, W	[16] Modo desactivado por termostato, W	[16] Thermostaat-uit-stand, W	[16] Tryb czuwania, W
[17] Standbyläge, W	[17] Modo de espera, W	[17] Stand-by-stand, W	[17] Tryb grzałki karteru, W
[18] Vevhusvärmari läge, W	[18] Modo de calentador del cárter, W	[18] Carterverwarming-stand, W	[18] Pozostałe parametry
[19] Övriga poster	[19] Otros elementos	[19] Andere kenmerken	[19] Regulacja wydajności
[20] Kapacitetsreglering	[20] Control de capacidad de la puissance	[20] Vermogenscontrole	[20] Stala / zmienna
[21] Fast/varierande	[21] Fijo/variable	[21] Vast/variabel	[21] Kontrola wydajności cieplnej na wyjściu
[22] Effektyvming för utloppstemperatur inomhus	[22] Control interior de capacidad de la temperatura de salida	[22] Regeling van binnenuitredetemperatuurvermogen	[22] Sterowanie wielkością przepływu wody wewnątrz pomieszczeń
[23] Effektyvming för flödes hastighet inomhus	[23] Control interior de capacidad de caudal de agua	[23] Regeling van binnenwaterdebietvermogen	[23] Wymiennik ciepła na zewnątrz pomieszczeń
[24] Värmeväxlare utomhus	[24] Intercambiador de calor exterior	[24] Externe warmtewisselaar	[24] Sterowanie wielkością przepływu wody na zewnątrz pomieszczeń
[25] Effektyvming för flödes hastighet utomhus	[25] Control exterior de capacidad de caudal de agua	[25] Regeling van buitenwaterdebietvermogen	[25] Do agregatów powietrze-woda
[26] För kylaggregat av typen luft-till-vatten	[26] Para enfriadoras aire/agua	[26] Voor lucht/water koelmachines	[26] Do agregatów woda-woda
[27] För kylaggregat av typen vatten-till-vatten	[27] Para enfriadoras agua/agua	[27] Voor water/water koelmachines	[27] Wielkość przepływu powietrza, na zewnątrz pomieszczeń, m ³ /h
[28] Luftflödes hastighet, utomhus, m ³ /h	[28] Caudal de aire, exterior, m ³ /h	[28] Luchtdebiet, buiten, m ³ /h	[28] Znamionowa wielkość przepływu wody (roztworu glikolu), wymiennik ciepła po stronie zewnętrznej, m ³ /h
[29] Flödes hastighet för specificerat vatten (saltlösning), värmeväxlare på utomhussidan, m ³ /h	[29] Caudal nominal de agua (glicol), intercambiador de calor lateral exterior, m ³ /h	[29] Nominale water(brijn)debiet buitenwarmtewisselaar, m ³ /h	[29] Dane kontaktowe
[30] Kontakt	[30] Datos de contacto	[30] Contactgegevens	[30]

Performances according to EU Regulation 2016/2281

Model	EREBA 17T
Outdoor side heat exchanger	Air
Indoor side heat exchanger	Water
Type	Rotary compressor
Driver of compressor	Electric motor

Rated cooling capacity, kW	P _{rated}	15.98	
Seasonal Space Cooling Energy Efficiency, %	ns,c	219	
Seasonal Energy Efficiency Ratio, kWh/kWh	SEER	5.56	
Temperature Application:	Low (7°C/12°C)		
T _j , °C	Capacity Pdc, kW	EERd	Degradation coef, Cdc
35	15.98	3.46	-
30	11.77	5.28	0.99
25	7.57	6.25	0.97
20	5.24	6.47	0.96

Power consumption in modes other than active mode

Off mode, W	POFF	0
Thermostat-off mode, W	PTO	34
Standby mode, W	PSB	24
Crankcase heater mode, W	PCK	0

Other items

Capacity control	Variable
Indoor Outlet temperature capacity control	Variable
Indoor Water flow rate capacity control	Fixed

For air-to-water chillers

Air flow rate, outdoor, m ³ /h	7200
---	------

Contact details

Contact details	Compañia Industrial de Aplicaciones Térmicas SA - Pol. Llanos de Jarata s/n Montilla 14550 (Córdoba) - Spain
-----------------	--

Accessories and Installed Options

No Accessories or Installed Options selected

Performances according to EU Regulation 2016/2281

Model	EREBA 21T
Outdoor side heat exchanger	Air
Indoor side heat exchanger	Water
Type	Rotary compressor
Driver of compressor	Electric motor

Rated cooling capacity, kW	P _{rated}	19.15	
Seasonal Space Cooling Energy Efficiency, %	ns,c	216	
Seasonal Energy Efficiency Ratio, kWh/kWh	SEER	5.48	
Temperature Application:	Low (7°C/12°C)		
T _j , °C	Capacity Pdc, kW	EERd	Degradation coef, Cdc
35	19.15	3.30	-
30	14.11	4.66	0.98
25	12.47	6.46	0.97
20	10.79	7.24	0.96

Power consumption in modes other than active mode

Off mode, W	POFF	0
Thermostat-off mode, W	PTO	54
Standby mode, W	PSB	24
Crankcase heater mode, W	PCK	0

Other items

Capacity control	Variable
Indoor Outlet temperature capacity control	Variable
Indoor Water flow rate capacity control	Fixed

For air-to-water chillers

Air flow rate, outdoor, m ³ /h	8640
---	------

Contact details

Contact details	Compañia Industrial de Aplicaciones Térmicas SA - Pol. Llanos de Jarata s/n Montilla 14550 (Córdoba) - Spain
-----------------	--

Accessories and Installed Options

No Accessories or Installed Options selected



Siège social

Avenue Jean Falconnier B.P. 14
01350 Culoz - France
Tel. : +33 (0)4 79 42 42 42
Fax : +33 (0)4 79 42 42 10
www.ciat.com

Compagnie Industrielle
d'Applications Thermiques
S.A. au capital de 26 728 480 €
R.C.S. Bourg-en-Bresse B 545.620.114



ISO9001 • ISO14001
OHSAS 18001

CIAT Service

Non-contractual document.

With the thought of material improvement always in mind, CIAT reserves the right, without notice to proceed with any technical modification.

