

## Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

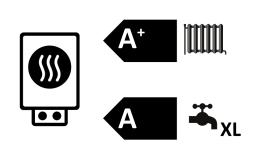
Manufacturer Load profile Space heating energy efficiency class under average climate conditions, model mentions applications Energy efficiency class, space heating under average climate conditions, own emporature applications Energy efficiency class, space heating under average climate conditions, own emporature applications Energy efficiency class, DNM heating under average climate conditions Energy efficiency class, DNM heating under average climate conditions Energy efficiency class, DNM heating under average climate conditions Energy efficiency class, DNM heating under average climate conditions Energy efficiency class, DNM heating under average climate conditions Energy efficiency class, DNM heating under average climate conditions Energy efficiency consumption under average climate conditions for low temperature applications (OHE) Annual energy consumption under average climate conditions for low temperature applications (OHE) Annual energy consumption under average climate conditions (AEC) Expert efficiency Under average climate conditions (AEC) Expert expe			THZ 5.5 eco
Load profile  Space heating energy efficiency class under average climate conditions, inclinate conditions, continued an energy efficiency class, space heating under average climate conditions, continued and energy efficiency class, space heating under average climate conditions, continued and conditions of the condi			
Space healing energy efficiency class under average climate conditions, medium-temperature applications Energy efficiency class, pase healing under average climate conditions (now-temperature applications) Energy efficiency class, pase healing under average climate conditions Rated heading output under average climate conditions for medium-temperature applications (Pated) Rated heading output under average climate conditions for medium-temperature applications (Pated) Rated heading output under average climate conditions for low-temperature applications (Pated) Annual energy consumption under average climate conditions for low-temperature applications (Pated) Annual power consumption under average climate conditions for low-temperature applications (Pated) Annual power consumption under average climate conditions for low-temperature applications (Pated) Annual power consumption under average climate conditions (AEC) Annual power consumption under average climate conditions for low-temperature applications (IN)  Energy efficiency, DNW heating (INh), under average climate conditions for low-temperature applications (INh)  Energy efficiency, DNW heating (INh), under average climate conditions for low-temperature applications (INh)  Energy efficiency, DNW heating (INh), under average climate conditions for low-temperature applications (INh)  Energy efficiency, DNW heating (INh), under average climate conditions for medium-temperature applications (IP ated)  Annual energy consumption under colder climate conditions for low-temperature applications (IP ated)  Annual energy consumption under colder climate conditions for low-temperature applications (IP ated)  Annual energy consumption under colder climate conditions for low-temperature applications (IP ated)  Annual energy consumption under colder climate conditions for low-temp	Manufacturer		tecalor
medium-temperature applications A++ Energy efficiency class, space heating under average climate conditions, low-temperature applications An A++ Energy efficiency class, Divide meating under average climate conditions for medium-temperature applications (Prated) Annual energy consumption under average climate conditions for medium-temperature applications (Prated) Annual energy consumption under average climate conditions for low-temperature applications (Prated) Annual energy consumption under average climate conditions for low-temperature applications (OHE) Annual energy consumption under average climate conditions for low-temperature applications (OHE) Annual energy consumption under average climate conditions for low-temperature applications (OHE) Annual power (one-sumption under average climate conditions (AEC) Why 1676,000 Seasonal space heating energy efficiency under average climate conditions (AEC) Why 1676,000 Seasonal space heating energy efficiency under average climate conditions (AEC) Why 1676,000 Seasonal space heating energy efficiency under average climate conditions (AEC) Why 1676,000 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (RS) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Prated) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Prated) Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Prated) Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Prated) Seasonal space heating energy efficiency under conditions for medium-temperature applications (Prated) Seasonal space heating energy efficiency under conditions for low-temperature applications (Prated) Seasonal space heating energy efficiency under conditions for low-temperature applications (OHE) Seasonal space heating energy efficiency	Load profile		XL
tow-temperature applications			A+
Rated heating output under average climate conditions for medium-temperature applications (P rated)  Rated heating output under average climate conditions for low-temperature applications (P rated)  Rated heating output under average climate conditions for low-temperature applications (P rated)  Annual energy consumption under average climate conditions for low-temperature applications (QHE)  Ranual energy consumption under average climate conditions for low-temperature applications (QHE)  Seasonal space heating energy efficiency under average climate conditions (AEC)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (P)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (P)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (P)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (P)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (P)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (P)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (P rated)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions (AEC)  kWh  2			A++
temperature applications (P rated)  Rated heating output under average climate conditions for low-temperature applications (P rated)  Annual energy consumption under average climate conditions for low-temperature applications (QHE)  Annual energy consumption under average climate conditions for low-temperature applications (QHE)  Annual power consumption under average climate conditions (AEC)  Rated heating energy efficiency under average climate conditions for low-temperature applications (PHE)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (SHS)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (SHS)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (SHS)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (SHS)  Seasonal space heating onergy efficiency under average climate conditions for medium-temperature applications (P rated)  Seasonal space heating output under average climate conditions for medium-temperature applications (P rated)  Rated heating output under colder climate conditions for low-temperature applications (P rated)  Rated heating output under colder climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual neorgy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual neorgy consumption under warmer climate condition	Energy efficiency class, DHW heating under average climate conditions		A
temperature applications (P rated) Annual energy consumption under average climate conditions for kWh/a annual energy consumption under average climate conditions for low-temperature applications (QHE) Annual energy consumption under average climate conditions for low-temperature applications (QHE) Annual power consumption under average climate conditions (AEC) kWh 1676,000 Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (IS) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (IS) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (IS) Seasonal space leating energy efficiency under average climate conditions for low-temperature applications (IS) Sound power level, indoor  Sound power level, indoor  GB(A) S52 Option for operation only at off-peak times Rated heating output under colder climate conditions for medium-temperature applications (IP rated) Rated heating output under colder climate conditions for medium-temperature applications (IP rated) Rated heating output under warmer climate conditions for low-temperature applications (IP rated) Rated heating output under warmer climate conditions for low-temperature applications (IP rated) Rated heating output under warmer climate conditions for low-temperature applications (IP rated) Rated heating output under warmer climate conditions for low-temperature applications (IP rated) Rated heating output under warmer climate conditions for low-temperature applications (IP rated) Rated heating output under warmer climate conditions for low-temperature applications (IP rated) Annual energy consumption under colder climate conditions for low-temperature applications (IP) Annual energy consumption under warmer climate conditions for low-temperature applications (IP) Annual energy consumption under warmer climate conditions for low-temperature applications (IP) Annual energy consumption under warmer c	5 .	kW	7
medium-temperature applications (OHE) Annual energy consumption under average climate conditions for low-temperature applications (OHE) Annual power consumption under average climate conditions (AEC) Annual power consumption under average climate conditions (AEC) Annual power consumption under average climate conditions for low-temperature applications (Ps) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Ps) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Ps) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Ps) Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Ps) Sound power level, indoor Rated heating output under colder climate conditions for medium-temperature applications (P rated) Rated heating output under colder climate conditions for medium-temperature applications (P rated) Rated heating output under colder climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (OHE) Annual energy consumption under colder climate conditions for low-temperature applications (OHE) Annual energy consumption under warmer climate conditions for low-temperature applications (OHE) Annual energy consumption under warmer climate conditions for low-temperature applications (OHE) Annual power consumption under warmer climate conditions for low-temperature applications (OHE) Annual power consumption under warmer climate conditions for low-temperature applications (OHE) Seasonal space heating energy efficiency under		kW	6
temperature applications (OHE)  Annual power consumption under average climate conditions (AEC)  Annual power consumption under average climate conditions for medium-temperature applications (Pis)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Pis)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Pis)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (Pis)  Sound power level, indoor  GB(A)  S22  Option for operation only at off-peak times  Rated heating output under colder climate conditions for medium-temperature applications (P rated)  Rated heating output under colder climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for low-temperature applications (OHE)  Annual energy consumption under colder climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions (AEC)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Seasonal space heating energy efficiency under colder climate conditions for low-t	· · · · · · · · · · · · · · · · · ·	kWh/a	4138
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (I)s)  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (I)s  Energy efficiency, DHW heating (I)wh), under average climate conditions  MB(A)  Sound power level, indoor  Option for operation only at off-peak times  Rated heating output under colder climate conditions for medium-temperature applications (I)s  Rated heating output under colder climate conditions for low-temperature applications (I) erated)  Rated heating output under colder climate conditions for low-temperature applications (I) erated)  Rated heating output under warmer climate conditions for low-temperature applications (I) erated)  Rated heating output under warmer climate conditions for low-temperature applications (I) erated)  Rated heating output under warmer climate conditions for low-temperature applications (I) erated)  Rated heating output under warmer climate conditions for low-temperature applications (I) erated)  Rated heating output under warmer climate conditions for low-temperature applications (I) erated)  Annual energy consumption under colder climate conditions for low-temperature applications (I) erated)  Annual energy consumption under warmer climate conditions for low-temperature applications (I) erated)  Annual energy consumption under warmer climate conditions for low-temperature applications (I) erated)  Annual power consumption under warmer climate conditions for low-temperature applications (I) erated (		kWh/a	3280
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (R)s  Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (R)s  Energy efficiency. DHW heating (R)wh), under average climate conditions	Annual power consumption under average climate conditions (AEC)	kWh	1676,000
conditions for low-temperature applications (f)s)  Energy efficiency, DHW heating (f)wh), under average climate conditions  Sound power level, indoor  Option for operation only at off-peak times  Rated heating output under colder climate conditions for medium-temperature applications (P rated)  Rated heating output under colder climate conditions for low-temperature applications (P rated)  Rated heating output under colder climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for medium-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under colder climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual power consumption under warmer climate conditions for low-temperature applications (OHE)  Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (f)s)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (f)s)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (f)s)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (f)s)  Seasonal space heating energy effi		%	121
Sound power level, indoor Option for operation only at off-peak times Rated heating output under colder climate conditions for medium-temperature applications (P rated) Rated heating output under colder climate conditions for low-temperature applications (P rated) Rated heating output under colder climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (OHE) Rated heating output under colder climate conditions for low-temperature applications (OHE) Rated heating output under colder climate conditions for low-temperature applications (OHE) Rated heating output under colder climate conditions for low-temperature applications (OHE) Rated heating energy consumption under warmer climate conditions for low-temperature applications (OHE) Rated heating energy consumption under warmer climate conditions for low-temperature applications (OHE) Rated heating energy efficiency under colder climate conditions (AEC) Rated heating energy efficiency under colder climate enditions (AEC) Rated heating energy efficiency under colder climate enditions for low-temperature applications (I)s) Rated heating energy efficiency under colder climate enditions for low-temperature applications (I)s) Rated heating energy efficiency under warmer climate enditions for low-temperature applications (I)s) Rated heating energy efficiency under warmer climate enditions for low-temperature applications (I)s) Rated heating energy efficiency under warmer climate enditions for low-temperature applications (I)s) Rated heating energy efficiency under warmer climate enditions for low		%	154
Option for operation only at off-peak times Rated heating output under colder climate conditions for medium-temperature applications (P rated) Rated heating output under colder climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (QHE) Rated heating output under warmer climate conditions for low-temperature applications (QHE) Rated heating output under colder climate conditions for low-temperature applications (QHE) Rated heating output under warmer climate conditions for low-temperature applications (QHE) Rated heating output under warmer climate conditions for low-temperature applications (QHE) Rated heating output under warmer climate conditions for low-temperature applications (QHE) Rated heating energy efficiency under colder climate conditions (AEC) Rated heating energy efficiency under colder climate conditions for medium-temperature applications (I)s Rated heating energy efficiency under warmer climate enditions (AEC) Rated heating energy efficiency under warmer climate conditions for low-temperature applications (I)s Rated heating energy efficiency under warmer climate enditions for low-temperature applications (I)s Rated heating energy efficiency under warmer climate conditions for low-temperature applications (I)s Rated heating efficiency under warmer climate enditions for low-temperature applications (I)s Rated heating output under war	Energy efficiency, DHW heating ( $\eta$ wh), under average climate conditions	%	102
Rated heating output under colder climate conditions for medium-temperature applications (P rated)  Rated heating output under colder climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for medium-temperature applications (P rated)  Rated heating output under warmer climate conditions for medium-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for low-temperature applications (QHE)  Annual energy consumption under colder climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual power consumption under warmer climate conditions (AEC)  Evaluation for medium-temperature applications (NB)  Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (NB)  Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (NB)  Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (NB)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (NB)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (NB)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperatu	Sound power level, indoor	dB(A)	52
temperature applications (P rated) Rated heating output under colder climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated nearing output under warmer climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)  Annual energy consumption under colder climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual power consumption under warmer climate conditions (AEC)  Annual power consumption under colder climate conditions (AEC)  Annual power consumption under warmer climate conditions (AEC)  Easonal space heating energy efficiency under colder climate  conditions for medium-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under w	Option for operation only at off-peak times		<u> </u>
temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated) Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for medium-temperature applications (OHE)  Annual energy consumption under colder climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (OHE)  Annual power consumption under colder climate conditions (AEC)  Annual power consumption under warmer climate conditions (AEC)  Annual power consumption under warmer climate conditions (AEC)  Easonal space heating energy efficiency under colder climate  conditions for medium-temperature applications (Ns)  Seasonal space heating energy efficiency under colder climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for medium-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for medium-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  84  178  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  85  Seasonal space heating energy efficiency under warmer climate  conditions for low-temperature applications (Ns)  84  85  86  87  87  88  88  89  80  80  80  80  80  80  80		kW	9
temperature applications (P rated)  Rated heating output under warmer climate conditions for low-temperature applications (P rated)  Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)  Annual energy consumption under colder climate conditions for low-temperature applications (QHE)  Annual energy consumption under colder climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual power consumption under warmer climate conditions for low-temperature applications (QHE)  Annual power consumption under warmer climate conditions (AEC)  Annual power consumption under warmer climate conditions (AEC)  Easonal space heating energy efficiency under colder climate conditions (AEC)  Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)  Seasonal		kW	9
temperature applications (P rated)       KW         Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)       kWh/a       8311         Annual energy consumption under colder climate conditions for low-temperature applications (QHE)       kWh/a       6605         Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)       kWh/a       2694         Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)       kWh/a       1977         Annual power consumption under colder climate conditions (AEC)       kWh       2042,000         Annual power consumption under warmer climate conditions (AEC)       kWh       1183,000         Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ΩS)       %       101         Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ΩS)       %       135         Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ΩS)       %       134         Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ΩS)       %       134         Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ΩS)       %       178         Seasonal space heating energy efficiency unde	= '	kW	7
medium-temperature applications (QHE)kWh/a6605Annual energy consumption under colder climate conditions for low-temperature applications (QHE)kWh/a6605Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)kWh/a2694Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)kWh/a1977Annual power consumption under colder climate conditions (AEC)kWh2042,000Annual power consumption under warmer climate conditions (AEC)kWh1183,000Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Ŋs)%101Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (Ŋs)%135Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Ŋs)%134Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (Ŋs)%178		kW	7
temperature applications (QHE)  Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)  Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)  Annual power consumption under colder climate conditions (AEC)  Annual power consumption under warmer climate conditions (AEC)  Annual power consumption under warmer climate conditions (AEC)  Example 1977  Annual power consumption under warmer climate conditions (AEC)  Example 1978  Annual power consumption under warmer climate conditions (AEC)  Example 1979  Annual power consumption under warmer climate conditions (AEC)  Example 1979  Example 1979  Example 1979  Example 1979  Example 1979  Example 1979  Example 2079  Ex		kWh/a	8311
medium-temperature applications (QHE)kWh/a2694Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)kWh/a1977Annual power consumption under colder climate conditions (AEC)kWh2042,000Annual power consumption under warmer climate conditions (AEC)kWh1183,000Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)%101Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ηs)%135Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)%134Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%84Energy efficiency, DHW heating (ηwh), warmer climates%145		kWh/a	6605
temperature applications (QHE)  Annual power consumption under colder climate conditions (AEC) kWh 2042,000  Annual power consumption under warmer climate conditions (AEC) kWh 1183,000  Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs) % 101  Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ηs) % 135  Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs) % 134  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs) % 178  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs) % 178  Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs) % 84  Energy efficiency, DHW heating (ηwh), warmer climates % 145		kWh/a	2694
Annual power consumption under warmer climate conditions (AEC)kWh1183,000Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)%101Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ηs)%135Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)%134Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%84Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%84Energy efficiency, DHW heating (ηwh), warmer climates%145		kWh/a	1977
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)%101Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ηs)%135Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)%134Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%84Energy efficiency, DHW heating (ηwh), warmer climates%145	Annual power consumption under colder climate conditions (AEC)	kWh	2042,000
conditions for medium-temperature applications (ηs)%Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ηs)%135Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)%134Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%84Energy efficiency, DHW heating (ηwh), warmer climates%145	Annual power consumption under warmer climate conditions (AEC)	kWh	1183,000
conditions for low-temperature applications (ηs)       %       135         Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)       %       134         Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)       %       178         Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)       %       84         Energy efficiency, DHW heating (ηwh), warmer climates       %       145		%	101
conditions for medium-temperature applications (ηs)%134Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%84Energy efficiency, DHW heating (ηwh), warmer climates%145		%	135
conditions for low-temperature applications (ηs)%178Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ηs)%84Energy efficiency, DHW heating (ηwh), warmer climates%145		%	134
conditions for low-temperature applications (ηs)%Energy efficiency, DHW heating (ηwh), warmer climates%145		%	178
37 7. 311 7.		%	84
Sound power level, outdoor dB(A) 52	Energy efficiency, DHW heating (Ŋwh), warmer climates	%	145
	Sound power level, outdoor	dB(A)	52

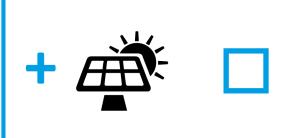


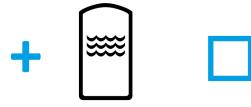
## ENERG Y (JA) ehepгия · ενεργεια (Ε) (ΙΑ)

## tecalor

THZ 5.5 eco

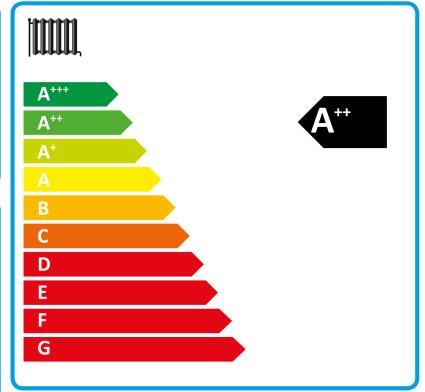


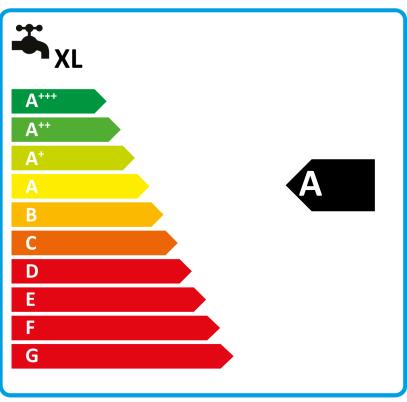












## Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		THZ 5.5 eco
		190652
Manufacturer		tecalor
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications ( $\eta_s$ )	%	121
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	125
Space heating energy efficiency of package under colder climate conditions	%	105
Space heating energy efficiency of package under warmer climate conditions	%	138
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	20
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	13
Space heating energy efficiency class under average climate conditions, medium-temperature applications		A+
Space heating energy efficiency class of package under average climate conditions		A++
Energy efficiency class, DHW heating under average climate conditions		A
Load profile		XL

Personal Process   Personal Pr			THZ 5.5 eco
Interest control.  Interest control for interest reful pump.  Interest control for interest pump.  Interest control for in			190652
Section of Part   Section   Sectio	Manufacturer		tecalor
Note About Pleaser  Charlestonian New Feet with New Purp  Charlestonian Research (Charlest Continues Conditions for medium temperature applications for Find of Indian Security (Charlestonian Research (Charlestonian Researc	Heat source		Luft
Combination header with thest pump	Low temperature heat pump		x
Based heating original under rader derivate conditions for nedium-temperature applications for Principal Control (Principal Control Co			<u> </u>
applications (P rating) Antatal basing quapta under average direats conditions for medium-temperature applications (P rated) Antatal basing quapta under average direats conditions for medium-temperature applications for rated in the properature applications for rated in the properature applications or rated in the properature direats conditions (Pth)  AN			X
applications Practed  Antich hazing couptes under warmer climate conditions for medium-temperature applications (Practed)  7. 7°C heating output, partial load range under coleier climate conditions (Pth)  8. W. 3.3  17. 7°C heating output, partial load range under coleier climate conditions (Pth)  8. W. 3.3  17. 2°C heating output, partial load range under warmer climate conditions (Pth)  17. 2°C heating output, partial load range under warmer climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  17. 2°C heating output, partial load range under voller climate conditions (Pth)  18. 4°C and mode temperature under voller climate conditions (Pth)  19. 4°C and mode temperature under voller climate conditions (Pth)  19. 4°C and mode temperature under voller climate conditions (Pth)  19. 4°C and mode temperature under voller climate conditions (Pth)  19. 4°C and mode temperature under voller climate conditions (Pth)  19. 4°C and mode temperature under voller climate conditions (Pth)  19. 4°C and mode temperature under voller climate conditions (Pth)  19. 4°C and mode temperature u	9 1	kW	9
applications (Praised)  1 - 7°C beating notized, partial load range under colder climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  1 - 7°C beating notized, partial load range under average climate conditions (Pdh)  2 - 7°C beating notized, partial load range under average climate conditions (Pdh)  3 - 7°C beating notized, partial load range under average climate conditions (Pdh)  4 - 7°C beating notized, partial load range under average climate conditions (Pdh)  3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	e i	kW	7
19 – 2° Cebesting output, partial load range under average climate conditions (Pth)   9.4   9.5   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   9.4   9.5   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   9.6   9.7   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   9.6   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   19 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   20 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   20 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   20 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   20 – 2° Ce Leasting output, partial load range under average climate conditions (Pth)   20 – 2° Ce Leasting output, partial load range under average climate c	· · · · · · · · · · · · · · · · · · ·	kW	7
11 – 2 °C heating output, partial load range under coded ritimate conditions (Pth) 12 °C heating output, partial load range under warree climate conditions (Pth) 13 °C heating output, partial load range under warree climate conditions (Pth) 14 °C heating output, partial load range under warree climate conditions (Pth) 15 °C heating output, partial load range under warree climate conditions (Pth) 16 °C heating output, partial load range under warree climate conditions (Pth) 17 °C heating output, partial load range under warree climate conditions (Pth) 18 °C heating output, partial load range under warree climate conditions (Pth) 18 °C heating output, partial load range under warree climate conditions (Pth) 19 °C heating output, partial load range under warree climate conditions (Pth) 19 °C heating output, partial load range under warree climate conditions (Pth) 19 °C heating output, partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under warree climate conditions (Pth) 19 °C partial load range under colder climate conditions (Pth) 10 °C partial load range under colder climate conditions (Pth) 10 °C partial load range under warree climate conditions (Pth) 10 °C partial load range under warree climate conditions (Pth) 11 °C partial load range under warree climate conditions (CDPd) 11 °C COP, partial load range under warree climate conditions (CDPd) 11 °C COP, parti	Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	5,3
1) = 2°C beating output, partial load range under wareare climate conditions (Pdh) INV 6.9  1) = 2°C heating output, partial load range under wareare climate conditions (Pdh) INV 6.9  1) = 7°C heating output, partial load range under wareare climate conditions (Pdh) INV 6.9  1) = 7°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 1°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 1°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 1°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 1°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 1°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 1°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 1°C heating output, partial load range under wareage climate conditions (Pdh) INV 6.9  1) = 0 dual mode temperature under colder climate conditions (Pdh) INV 6.9  1) = 0 dual mode temperature under wareage climate conditions (Pdh) INV 6.9  1) = 0 operating temperature limit under colder climate conditions (Pdh) INV 6.9  1) = 0 operating temperature limit under wareage climate conditions (Pdh) INV 6.9  1) = 0 operating temperature under wareage climate conditions (Pdh) INV 6.9  1) = 0 under the temperature under wareage climate conditions (Pdh) INV 6.9  2) = 0 under the temperature under colder climate conditions (Pdh) INV 6.9  2) = 0 under the temperature under colder climate conditions (Pdh) INV 6.9  2) = 0 under the temperature under colder climate conditions (Pdh) INV 6.9  2) = 0 under temperature under colder climate conditions (Pdh) INV 6.9  2) = 0 under temperature under colder climate conditions (Pdh) INV 6.9  2) = 0 under the temperature under colder climate conditions (Pdh) INV 6.9  2) = 0 under the temperature under colder climate conditions (Pdh) INV 6.9  2) = 0 under the temperature under col	Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	5,5
1 = 2 °C beating output, partial load range under warmer climate conditions (Pth)   W   2.8	Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3,3
19.7°C heating output, partial load range under colder climate conditions (Pth) 19.7°C heating output, partial load range under average climate conditions (Pth) 19.7°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating output, partial load range under average climate conditions (Pth) 19.1°C heating temperature limit under average climate conditions (Pth) 19.1°C heating temperature under conditions (Pth) 19.1°C heating temperature under conditions (Pth) 19.1°C heating temperature under conditions (Pth) 20.1°C heating temperature under conditions (Pth) 20.1°C heating temperature under under conditions (Pth) 20.1°C heating temperature under under under conditions (Pth) 20.1°C heating temperature under under conditions (Pth) 21.1°C heating temperature under under conditions (Pth) 22.1°C heating temperature under under conditions (Pth) 23.1°C heating temperature under under conditions (Pth) 23.1°C heating temperature under conditions (Pth) 23.1°C	Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,4
19 = 7 to besting output, partial load range under avarage climate conditions (Pdh) 17 = 7 to besting output, partial load range under warmer climate conditions (Pdh) 18 W 18 3.2 19 = 12 to besting output, partial load range under warmer climate conditions (Pdh) 18 W 18 3.2 19 = 12 to besting output, partial load range under warmer climate conditions (Pdh) 18 W 18 3.2 19 = 12 to besting output, partial load range under warmer climate conditions (Pdh) 18 W 18 3.2 19 = dual mode temperature under output partial load range under warmer climate conditions (Pdh) 19 = partial load range under warmer climate conditions (Pdh) 19 = partial generature under output partial load range under warmer climate conditions (Pdh) 19 = operating temperature under warmer climate conditions (Pdh) 19 = operating temperature under warmer climate conditions (Pdh) 19 = operating temperature under warmer climate conditions (Pdh) 19 = operating temperature limit under output (Pdh) 19 = operating temperature limit under output (Pdh) 19 = operating temperature under warmer climate conditions (Pdh) 19 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 19 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (Pdh) 10 = operating temperature under warmer climate conditions (CDPd) 11 = operating temperature under warmer climate con	Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	6,9
1] = 7°C beating output, partial load range under warmer climate conditions (Pdh)	Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,8
1) = 12 C heating output, partial load range under colder climate conditions (Pth) 1 - 12 C heating output, partial load range under warrage climate conditions (Pth) 1 - 12 C heating output, partial load range under warrage climate conditions (Pth) 1 - 40 w	Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	2,7
19 = 12 °C heating output, partial load range under average climate conditions (Pdh)   kW   3,2   71 = 12 °C hosting output, partial load range under warmer climate conditions (Pdh)   kW   5,3   71 = 12 °C cOP, partial load range under warmer climate conditions (Pdh)   kW   5,3   71 = 0 and mode temperature under average climate conditions (Pdh)   kW   5,5   71 = 0 and mode temperature under average climate conditions (Pdh)   kW   5,5   71 = 0 and mode temperature under average climate conditions (Pdh)   kW   5,6   72 = 0 perating temperature limit under codder climate conditions (Pdh)   kW   2,6   73 = 0 perating temperature limit under average climate conditions (Pdh)   kW   2,7   74 = 0 perating temperature under average climate conditions (Pdh)   kW   6,9   74   75 = 0 perating temperature under average climate conditions (Pdh)   cC   74   75 = 0 perating temperature under average climate conditions (Tbiv)   cC   75   75   75   75   75   75   75   7	Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	4,5
13 - 12 °C heating output, partial load range under warmer climate conditions (Pdh)	Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3,2
1	Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,2
1 = dual mode temperature under average climate conditions (Pdh)	Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	3,2
Ty = dual mode temperature under warmer climate conditions (Pdh) Ty = operating temperature limit under colder climate conditions (Pdh) Ty = operating temperature limit under average climate conditions (Pdh) Ty = operating temperature limit under average climate conditions (Pdh) Ty = operating temperature limit under warmer climate conditions (Pdh) Ty = operating temperature limit under warmer climate conditions (Pdh) Ty = operating temperature limit under warmer climate conditions (Tbiy) Ty = operating temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (Tbiy) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under warmer climate conditions (COPd) Ty = Oual mode temperature under	Tj = dual mode temperature under colder climate conditions (Pdh)	kW	5,3
1   operating temperature limit under colder climate conditions (Pdh)	Tj = dual mode temperature under average climate conditions (Pdh)	kW	5,5
Ti - operating temperature limit under average climate conditions (Pdh)	Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	6,9
	Tj = operating temperature limit under colder climate conditions (Pdh)	kW	2,6
Dual mode temperature under colder climate conditions (Tbiv)  To Dual mode temperature under average climate conditions (Tbiv)  To C	Tj = operating temperature limit under average climate conditions (Pdh)	kW	2,7
Dual mode temperature under average climate conditions (Tbiv) "C 2 2  Seasonal space heating energy efficiency under colder climate conditions for medium-temperature spliciations (Fis) "S 2  Seasonal space heating energy efficiency under average climate conditions for medium-temperature spliciations (Fis) "S 3  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Fis) "S 3  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Fis) "S 4  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Fis) "S 4  Seasonal space heating energy efficiency under average climate conditions (COPd) "S 4  Ti = -7 **C COP, partial load range under colder climate conditions (COPd) "S 4  Ti = -7 **C COP, partial load range under colder climate conditions (COPd) "S 4  Ti = -7 *C COP, partial load range under colder climate conditions (COPd) "S 4  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 4  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 4  Ti = -7 *C COP, partial load range under colder climate conditions (COPd) "S 4  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 4  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5  Ti = -7 *C COP, partial load range under warmer climate conditions (COPd) "S 5	Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	6,9
Dual mode temperature under warmer climate conditions (Tbiv)  C Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (Tls)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Tls)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Tls)  Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Tls)  Ti = -7° C COP, partial load range under order climate conditions (COPd)  Ti = -7° C COP, partial load range under average climate conditions (COPd)  Ti = 2° C COP, partial load range under colder climate conditions (COPd)  Ti = 2° C COP, partial load range under average climate conditions (COPd)  Ti = 2° C COP, partial load range under average climate conditions (COPd)  Ti = 7° C COP, partial load range under warmer climate conditions (COPd)  Ti = 7° C COP, partial load range under colder climate conditions (COPd)  Ti = 7° C COP, partial load range under warmer climate conditions (COPd)  Ti = 7° C COP, partial load range under colder climate conditions (COPd)  Ti = 7° C COP, partial load range under colder climate conditions (COPd)  Ti = 7° C COP, partial load range under warmer climate conditions (COPd)  Ti = 12° C COP, partial load range under warmer climate conditions (COPd)  Ti = 12° C COP, partial load range under warmer climate conditions (COPd)  Ti = 12° C COP, partial load range under warmer climate conditions (COPd)  Ti = 12° C COP, partial load range under warmer climate conditions (COPd)  Ti = 12° C COP, partial load range under warmer climate conditions (COPd)  Ti = 12° C COP, partial load range under warmer climate conditions (COPd)  Ti = 0 partial partial mode temperature under warmer climate conditions (COPd)  Ti = 0 partial partial mode temperature under warmer climate conditions (COPd)  Ti = 0 partial partial partial load range under warmer climate conditions (COPd)  Ti = 0	Dual mode temperature under colder climate conditions (Tbiv)	°C	-7
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (It)s)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (It)s)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (It)s)  Seasonal space heating energy efficiency under warmer climate conditions (COPd)  Tj = -7*C COP, partial load range under colder climate conditions (COPd)  Tj = -7*C COP, partial load range under oclder climate conditions (COPd)  Tj = 2*C COP, partial load range under colder climate conditions (COPd)  Tj = 2*C COP, partial load range under varer climate conditions (COPd)  Tj = 2*C COP, partial load range under average climate conditions (COPd)  Tj = 7*C COP, partial load range under warmer climate conditions (COPd)  Tj = 7*C COP, partial load range under warmer climate conditions (COPd)  Tj = 7*C COP, partial load range under warmer climate conditions (COPd)  Tj = 7*C COP, partial load range under warmer climate conditions (COPd)  Tj = 7*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 12*C COP, partial load range under warmer climate conditions (COPd)  Tj = 0 partial partial load range under warmer climate conditions (COPd)  Tj = 0 partial partial load range under warmer climate conditions (COPd)  Tj = 0 partial partial load range under warmer climate conditions (COPd)  Tj = 0 partial partial load range under warmer climate conditions	Dual mode temperature under average climate conditions (Tbiv)	°C	-7
temperature applications (15)  Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (15)  Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (15)  Seasonal space heating energy efficiency under warmer climate conditions (COPd)  Ji = 2°C COP, partial load range under colder climate conditions (COPd)  Ji = 2°C COP, partial load range under colder climate conditions (COPd)  Ji = 2°C COP, partial load range under average climate conditions (COPd)  Ji = 2°C COP, partial load range under average climate conditions (COPd)  Ji = 2°C COP, partial load range under average climate conditions (COPd)  Ji = 2°C COP, partial load range under average climate conditions (COPd)  Ji = 7°C COP, partial load range under average climate conditions (COPd)  Ji = 7°C COP, partial load range under average climate conditions (COPd)  Ji = 7°C COP, partial load range under average climate conditions (COPd)  Ji = 7°C COP, partial load range under average climate conditions (COPd)  Ji = 12°C COP, partial load range under average climate conditions (COPd)  Ji = 12°C COP, partial load range under average climate conditions (COPd)  Ji = 12°C COP, partial load range under average climate conditions (COPd)  Ji = 12°C COP, partial load range under average climate conditions (COPd)  Ji = 12°C COP, partial load range under average climate conditions (COPd)  Ji = 10 alum doe temperature under colder climate conditions (COPd)  Ji = 10 alum doe temperature under average climate conditions (COPd)  Ji = 0 parting temperature limit under colder climate conditions (COPd)  Ji = 0 parting temperature limit under average climate conditions (COPd)  Ji = 0 parting temperature limit under average climate conditions (COPd)  Ji = 0 parting temperature limit under colder climate conditions (COPd)  Ji = 0 parting temperature limit under average climate conditions (COPd)  Ji = 0 parting temperature limit under average climate conditions (COPd)  Derating	Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
temperature applications (r)s)  Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (r)s)  Tj = -7°C COP, partial load range under colder climate conditions (COPd)  Tj = -7°C COP, partial load range under average climate conditions (COPd)  Tj = 2°C COP, partial load range under average climate conditions (COPd)  Tj = 2°C COP, partial load range under average climate conditions (COPd)  Tj = 2°C COP, partial load range under average climate conditions (COPd)  Tj = 2°C COP, partial load range under average climate conditions (COPd)  Tj = 2°C COP, partial load range under average climate conditions (COPd)  Tj = 2°C COP, partial load range under average climate conditions (COPd)  Tj = 7°C COP, partial load range under average climate conditions (COPd)  Tj = 7°C COP, partial load range under average climate conditions (COPd)  Tj = 7°C COP, partial load range under average climate conditions (COPd)  Tj = 12°C COP, partial load range under average climate conditions (COPd)  Tj = 12°C COP, partial load range under average climate conditions (COPd)  Tj = 12°C COP, partial load range under average climate conditions (COPd)  Tj = 12°C COP, partial load range under average climate conditions (COPd)  Tj = 12°C COP, partial load range under average climate conditions (COPd)  Tj = dual mode temperature under average climate conditions (COPd)  Tj = dual mode temperature under average climate conditions (COPd)  Tj = dual mode temperature under average climate conditions (COPd)  Tj = operating temperature limit under colder climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under colder climate conditions (COPd)  Tj = operating temperature limit under warener climate conditions (COPd)  Tj = operating temperature limit under warener climate conditions (COPd)  To COP parting temperature limit under colder climate conditions (COPd)  To COP parting temperature limit under warener climate conditio		%	101
temperature applications (Rs)      -7 ° C C COP, partial load range under colder climate conditions (COPd)   -7 ° C C COP, partial load range under average climate conditions (COPd)   -2 ° C C OP, partial load range under average climate conditions (COPd)   -2 ° C C OP, partial load range under average climate conditions (COPd)   -2 ° C C OP, partial load range under average climate conditions (COPd)   -2 ° C C OP, partial load range under average climate conditions (COPd)   -2 ° C C OP, partial load range under colder climate conditions (COPd)   -2 ° C C OP, partial load range under colder climate conditions (COPd)   -2 ° C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under average climate conditions (COPd)   -3 ° C C C OP, partial load range under warmer climate conditions (COPd)   -3 ° C C C OP, partial load range under warmer climate conditions (COPd)   -3 ° C C C C C C C C C C C C C C C C C C	, , , ,	%	121
Tj = -7 °C COP, partial load range under average climate conditions (COPd)       2,26         Tj = 2 °C COP, partial load range under colder climate conditions (COPd)       3,50         Tj = 2 °C COP, partial load range under average climate conditions (COPd)       3,27         Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)       2,50         Tj = 7 °C COP, partial load range under colder climate conditions (COPd)       4,56         Tj = 7 °C COP, partial load range under colder climate conditions (COPd)       4,99         Tj = 7 °C COP, partial load range under average climate conditions (COPd)       3,28         Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       2,50         Tj = dual mode temperature under colder climate conditions (COPd)       2,50         Tj = dual mode temperature under average climate conditions (COPd)       2,50         Tj = dual mode temperature under warmer climate conditions (COPd)       2,50         Tj = operating temperature limit under colder climate conditions (COPd)       2,50         Tj = operating temperature limit under warmer climate conditions (COPd)       2,50	, , ,	%	134
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)       3,50         Tj = 2 °C COP, partial load range under average climate conditions (COPd)       2,50         Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)       4,56         Tj = 7 °C COP, partial load range under colder climate conditions (COPd)       4,99         Tj = 7 °C COP, partial load range under average climate conditions (COPd)       3,28         Tj = 7 °C COP, partial load range under varmer climate conditions (COPd)       3,28         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under varmer climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       5,59         Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)       4,98         Tj = dual mode temperature under average climate conditions (COPd)       2,52         Tj = dual mode temperature under average climate conditions (COPd)       2,52         Tj = dual mode temperature limit under average climate conditions (COPd)       2,50         Tj = operating temperature limit under colder climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,50	Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,52
Tj = 2 °C COP, partial load range under average climate conditions (COPd)       3,27         Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)       2,50         Tj = 7 °C COP, partial load range under colder climate conditions (COPd)       4,56         Tj = 7 °C COP, partial load range under average climate conditions (COPd)       4,99         Tj = 7 °C COP, partial load range under average climate conditions (COPd)       3,28         Tj = 12 °C COP, partial load range under colder climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       55,59         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       526,00         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       5,59         Tj = 2 °C COP, partial load range under average climate conditions (COPd)       4,98         Tj = 2 °C COP, partial load range under average climate conditions (COPd)       2,52         Tj = dual mode temperature under average climate conditions (COPd)       2,52         Tj = dual mode temperature under average climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Operating temperature limit under older climate conditions (COPd)       °C       2,50 <td>Tj = -7 °C COP, partial load range under average climate conditions (COPd)</td> <td></td> <td>2,26</td>	Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,26
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)       2,50         Tj = 7 °C COP, partial load range under colder climate conditions (COPd)       4,56         Tj = 7 °C COP, partial load range under average climate conditions (COPd)       4,09         Tj = 7 °C COP, partial load range under average climate conditions (COPd)       3,28         Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       526,00         Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)       4,98         Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)       4,98         Tj = 40 ula mode temperature under average climate conditions (COPd)       2,50         Tj = dual mode temperature under average climate conditions (COPd)       2,50         Tj = operating temperature limit under colder climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Operating temperature limit under average climate conditions (COPd)       2,50         Operating temperature limit under colder climate conditions (TOL)       °C       -20         Operating temperature limit under average climate conditions (TOL)       °C       -20 <td>Tj = 2 °C COP, partial load range under colder climate conditions (COPd)</td> <td></td> <td>3,50</td>	Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,50
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)  Tj = 7 °C COP, partial load range under average climate conditions (COPd)  Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)  Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)  Tj = 12 °C COP, partial load range under colder climate conditions (COPd)  Tj = 12 °C COP, partial load range under average climate conditions (COPd)  Tj = 12 °C COP, partial load range under average climate conditions (COPd)  Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)  Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)  Tj = dual mode temperature under colder climate conditions (COPd)  Tj = dual mode temperature under average climate conditions (COPd)  Tj = dual mode temperature under warmer climate conditions (COPd)  Tj = operating temperature limit under colder climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (TOL)  *C  Operating temperature limit under warmer climate conditions (TOL)  *C  Operating temperature limit of heating water under colder climate conditions (WTOL)  *C  Operating temperature limit of heating water under average climate conditions (WTOL)  *C  Operating temperature limit of heating water under average climate conditions (WTOL)  *C  Operating temperature limit of heating water under average climate conditions (WTOL)  *C  Operating temperature limit of heating water under average climate conditions (WTOL)  *C  Operating temperature limit of heating water under average climate conditions (WTOL)  *C  Operating temperature limit of heating water under average climate conditions (WTOL)  *C  Operating temperature limit of heating water under average climate conditions (WTOL)  *C  Operating temperatur	Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,27
Tj = 7 °C COP, partial load range under average climate conditions (COPd)       4,09         Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under colder climate conditions (COPd)       55,59         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       526,00         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       4,98         Tj = dual mode temperature under average climate conditions (COPd)       2,52         Tj = dual mode temperature under average climate conditions (COPd)       2,26         Tj = operating temperature under average climate conditions (COPd)       2,50         Tj = operating temperature limit under colder climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Operating temperature limit under variage climate conditions (COPd)       2,50         Operating temperature limit under average climate conditions (TOL)       °C       -20         Operating temperature limit under average climate conditions (TOL)       °C       -20         Operating temperature limit under warmer climate conditions (TOL)       °C       -20         Operating temperature limit of heating water under colder climate conditions (WTOL)       °C       -20         Operating temperature limit of heating water under average climat	Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,50
Tj = 7°C COP, partial load range under warmer climate conditions (COPd)       3,28         Tj = 12°C COP, partial load range under colder climate conditions (COPd)       5,59         Tj = 12°C COP, partial load range under average climate conditions (COPd)       526,00         Tj = 12°C COP, partial load range under warmer climate conditions (COPd)       4,98         Tj = dual mode temperature under colder climate conditions (COPd)       2,52         Tj = dual mode temperature under average climate conditions (COPd)       2,26         Tj = operating temperature limit under colder climate conditions (COPd)       2,50         Tj = operating temperature limit under average climate conditions (COPd)       2,09         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Operating temperature limit under average climate conditions (COPd)       °C       -20         Operating temperature limit under average climate conditions (TOL)       °C       -20         Operating temperature limit under average climate conditions (TOL)       °C       -20         Operating temperature limit under warmer climate conditions (TOL)       °C       -20         Operating temperature limit of heating water under colder climate conditions (WTOL)       °C       60         Operating temperature limit of heating water under average climate conditions (WTOL)       °C       60         Operating temperature l	Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,56
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)       5,59         Tj = 12 °C COP, partial load range under average climate conditions (COPd)       526,00         Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)       4,98         Tj = dual mode temperature under colder climate conditions (COPd)       2,52         Tj = dual mode temperature under average climate conditions (COPd)       2,26         Tj = operating temperature limit under warmer climate conditions (COPd)       2,50         Tj = operating temperature limit under colder climate conditions (COPd)       2,09         Tj = operating temperature limit under average climate conditions (COPd)       2,50         Operating temperature limit under warmer climate conditions (COPd)       °C         Operating temperature limit under average climate conditions (TOL)       °C       -20         Operating temperature limit under average climate conditions (TOL)       °C       -20         Operating temperature limit under warmer climate conditions (TOL)       °C       -20         Operating temperature limit under warmer climate conditions (WTOL)       °C       -20         Operating temperature limit of heating water under colder climate conditions (WTOL)       °C       -60         Operating temperature limit of heating water under average climate conditions (WTOL)       °C       -60         Operating temperature limit	Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,09
Tj = 12 °C COP, partial load range under average climate conditions (COPd)  Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)  Tj = dual mode temperature under colder climate conditions (COPd)  2,52  Tj = dual mode temperature under average climate conditions (COPd)  2,26  Tj = dual mode temperature under average climate conditions (COPd)  2,50  Tj = operating temperature limit under colder climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Coperating temperature limit under colder climate conditions (COPd)  Operating temperature limit under average climate conditions (TOL)  °C  Operating temperature limit under average climate conditions (TOL)  °C  Operating temperature limit under warmer climate conditions (TOL)  °C  Operating temperature limit of heating water under colder climate conditions (WTOL)  °C  Operating temperature limit of heating water under average climate conditions (WTOL)  °C  Operating temperature limit of heating water under average climate conditions (WTOL)  °C  Operating temperature limit of heating water under average climate conditions (WTOL)  °C  Operating temperature limit of heating water under average climate conditions (WTOL)  °C  Operating temperature limit of heating water under average climate conditions (WTOL)  °C  Operating temperature limit of heating water under average climate conditions (WTOL)  °C  Operating temperature limit of heating water under average climate conditions (WTOL)  °C  Operating temperature limit of heating water under warmer climate conditions (WTOL)  °C  Operating temperature limit of heating water under warmer climate conditions (WTOL)  °C  Operating temperature limit of heating water under warmer climate conditions (WTOL)  °C  Operating temperature limit of heating water under warmer climate conditions (WTOL)  °C  Operating temperatur	Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,28
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)  Tj = dual mode temperature under average climate conditions (COPd)  Tj = dual mode temperature under average climate conditions (COPd)  Tj = dual mode temperature under warmer climate conditions (COPd)  Tj = operating temperature limit under colder climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (TOL)  COPerating temperature limit under average climate conditions (TOL)  COPerating temperature limit under warmer climate conditions (TOL)  COPerating temperature limit of heating water under colder climate conditions (WTOL)  COPerating temperature limit of heating water under average climate conditions (WTOL)  COPerating temperature limit of heating water under average climate conditions (WTOL)  COPerating temperature limit of heating water under average climate conditions (WTOL)  COPERATING THE AVERAGE AND AVERAGE	Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		5,59
Tj = dual mode temperature under colder climate conditions (COPd)  Tj = dual mode temperature under average climate conditions (COPd)  Tj = dual mode temperature under warmer climate conditions (COPd)  Tj = operating temperature limit under colder climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (TOL)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating	Tj = 12 °C COP, partial load range under average climate conditions (COPd)		526,00
Tj = dual mode temperature under average climate conditions (COPd)  Tj = dual mode temperature under warmer climate conditions (COPd)  2,50  Tj = operating temperature limit under colder climate conditions (COPd)  2,09  Tj = operating temperature limit under average climate conditions (COPd)  1,88  Tj = operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (COPd)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit under warmer climate conditions (WTOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating temperature limit of heating water under conditions (WTOL)  Operating temperature limit under average climate conditions (WTOL)  Operating temperature limit under average climate conditions (WTOL)  Operating temperature limit under average climate conditions (WTOL)  Operating temperature limit under av	Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		4,98
Tj = dual mode temperature under warmer climate conditions (COPd)  Tj = operating temperature limit under colder climate conditions (COPd)  2,09  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (TOL)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit under warmer climate conditions (WTOL)  Operating temperature limit under warmer climate conditions (WTOL)  Operating temperature limit under warmer climate conditions (WTOL)  Operating tempe	Tj = dual mode temperature under colder climate conditions (COPd)		2,52
Tj = operating temperature limit under colder climate conditions (COPd)  Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (TOL)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit under warmer climate conditions (WTOL)  Operati	Tj = dual mode temperature under average climate conditions (COPd)		2,26
Tj = operating temperature limit under average climate conditions (COPd)  Tj = operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (TOL)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit under warmer climate conditions (WTOL)	Tj = dual mode temperature under warmer climate conditions (COPd)		2,50
Tj = operating temperature limit under warmer climate conditions (COPd)  Operating temperature limit under colder climate conditions (TOL)  Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit under warmer climate conditions (WTOL)	Tj = operating temperature limit under colder climate conditions (COPd)		2,09
Operating temperature limit under colder climate conditions (TOL) °C -20 Operating temperature limit under average climate conditions (TOL) °C -10 Operating temperature limit under warmer climate conditions (TOL) °C 2 Operating temperature limit of heating water under colder climate conditions (WTOL) °C 60 Operating temperature limit of heating water under average climate conditions (WTOL) °C 60 Operating temperature limit of heating water under warmer climate conditions (WTOL) °C 60	Tj = operating temperature limit under average climate conditions (COPd)		1,88
Operating temperature limit under average climate conditions (TOL)  Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)	Tj = operating temperature limit under warmer climate conditions (COPd)		2,50
Operating temperature limit under warmer climate conditions (TOL)  Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  observed  observe	Operating temperature limit under colder climate conditions (TOL)	°C	-20
Operating temperature limit of heating water under colder climate conditions (WTOL)  Operating temperature limit of heating water under average climate conditions (WTOL)  Operating temperature limit of heating water under warmer climate conditions (WTOL)  °C  60  Operating temperature limit of heating water under warmer climate conditions (WTOL)	Operating temperature limit under average climate conditions (TOL)	°C	-10
Operating temperature limit of heating water under average climate conditions (WTOL) °C 60  Operating temperature limit of heating water under warmer climate conditions (WTOL) °C 60	Operating temperature limit under warmer climate conditions (TOL)	°C	2
Operating temperature limit of heating water under warmer climate conditions (WTOL) °C 60	Operating temperature limit of heating water under colder climate conditions (WTOL)	°C	60
	Operating temperature limit of heating water under average climate conditions (WTOL)	°C	60
Power consumption, off-mode (Poff) W 27	Operating temperature limit of heating water under warmer climate conditions (WTOL)	°C	60
	Power consumption, off-mode (Poff)	W	27

Power consumption, thermostat off-mode (PTO)	W	63
Power consumption, standby state (PSB)	W	27
Power consumption, operating state, with crankcase heating (PCK)	W	35
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	3,5
Type of energy supply, auxiliary heater		elektrisch
Output control		veränderlich
Sound power level, outdoor	dB(A)	52
Sound power level, indoor	dB(A)	52
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	8311
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	4138
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2694
Load profile		XL
Daily power consumption under average climate conditions (QELEC)	kWh	7,000
Annual power consumption under colder climate conditions (AEC)	kWh	2042,000
Annual power consumption under average climate conditions (AEC)	kWh	1676,000
Annual power consumption under warmer climate conditions (AEC)	kWh	1183,000
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ( $\eta$ s)	%	84
Energy efficiency, DHW heating (ηwh), under average climate conditions	%	102
Energy efficiency, DHW heating (ηwh), warmer climates	%	145