

SmartHeat Titan & Titan Z

Großwärmepumpen und Energiezentralen
Large scale heat pumps and energy centres



Einblicke in die Produktion /
Production in progress

NEW



projektbezogene **Titan Z**
Energiezentrale bis 2.500 kW
Customised Titan Z
energy centres up to 2,500 kW



Titan

2-stufig oder mehrstufig bis 380 kW
2-stage or multi-stage up to 380 kW



SERIE Titan & Titan Z

Die SmartHeat Titan Serien sind Wärmepumpen für den großen Leistungsbedarf, die für unterschiedliche Wärmequellensysteme genutzt werden können.

Je nach Leistungsbereich kommen effiziente Scrollverdichter (auch in Tandem-Ausführung), Schraubenverdichter (auch stufenlos geregelt), sowie Hubkolbenverdichter zum Einsatz.

Zahlreiche Ausstattungsvarianten, die einen Mehrwert wie Kühlen oder auch einen bivalenten Betrieb ermöglichen und eine flexible Multifunktions-Regelung (smic-system) machen die SmartHeat Titan zu einer Großwärmepumpe, die optimal auf die Anforderungen eines Projektes abgestimmt ist.

Typen: Sole/Wasser, Wasser/Wasser

Leistungsbereich: Titan 55 – 373 kW, Titan Z - projektbezogene Fertigung bis 2.500 kW
Leistungszahl: BW > 4,8 / WW > 6

Ihre Vorteile:

> Ausstattung (Standard):

- » Hocheffiziente, vollhermetische Scroll-Verdichter in Tandem-Ausführung oder halbhermetische Schraubenverdichter, halbhermetische Hubkolbenverdichter (je nach Leistungsbereich)
- » Wirtschaftliches Teillastverhalten durch Einsatz mehrerer leistungsabgestimmter Kompressoren
- » Kältekreis mit Filtertrockner, ggf. Schauglas und elektronische Hoch- und Niederdrucküberwachung
- » Elektronisches Expansionsventil für optimale Leistungszahlen (COP) und niedrige Betriebskosten
- » Elektronische Softstarter für reduzierten Anlaufstrom und weniger Stromnetzbelastung
- » Großzügig dimensionierte kupfergelötete Edelstahl-Plattenwärmeübertrager
- » Abgestimmte Befüllung mit Kältemittel R407C, maximale Vorlauftemperatur bis 55 °C
- » Schallgedämmtes Gehäuse aus pulverbeschichtetem Stahlblech (bis 373 kW)
- » Multifunktionale Regelung (smic-system), s. S.52

- » Vormontierte elektrische Ausstattung
- » Hydraulische Anschlüsse hinten, variable Ausführung möglich
- » Mehrfach schwingungsentkoppelt

> Zusatz- / optionale Ausstattung:

- » Option HT: Kältemittel R134a, Heizungs-Vorlauftemperatur bis 80 °C in Abhängigkeit vom verwendeten Verdichtertyp
- » Option R: Reversible Ausführung für Aktive Kühlung mit einer minimalen Austrittstemperatur von 7 °C
- » Option SG-WT: Ausstattung mit zusätzlichem Sauggaswärmeübertrager zur Effizienzsteigerung
- » Option HG-WT: Ausstattung mit zusätzlichem Heißgaswärmeübertrager für effiziente Warmwasserbereitung
- » Option WTa/WTb (nur Titan Z): Verdampfer und/oder Verflüssiger als Rohrbündelwärmeübertrager oder geschweißter Volledelstahl-Wärmeübertrager (für Wasser/Wasser-Ausführung ohne Zwischenkreis)
- » Für industrielle Anwendungen 10-bar-Druckstufe
- » Sonderverdichter und mehrstufige Verdichteranordnungen machen die Titan zur Titan Z

> Titan Z - Energiezentrale

Die Energiezentrale SmartHeat Titan Z enthält optional zusätzliche hydraulische Komponenten wie Umwälzpumpen, Trennwärmeübertrager, Umschalt- und Absperrventile sowie die hydraulische Verrohrung für den Dualbetrieb. Diese Komponenten werden projektbezogen ausgewählt und definiert. Hierbei können Gebäudespezifikationen mit berücksichtigt werden. Die Fertigung der Titan Z erfolgt damit objektbezogen. Sie ist optimal auf die Nutzung alternativer Wärmequellen abgestimmt. Durch eine individuelle Anpassung des Leistungsprofils der einzelnen Komponenten an die projektspezifischen Anforderungen können ein Optimum an Energieeffizienz und höchste Betriebssicherheit erzielt werden.

Series Titan & Titan Z

The SmartHeat Titan series consists of large heat pumps for high output demands. They can be used in connection with many different heat source systems. Depending on the performance range, our heat pumps are equipped with efficient scroll compressors (tandem assemblies), screw compressors that allow for continuous output control and piston engines.

Thanks to the various equipment options, which added value such as cooling or even a bivalent operation enable and the smart multi-function control (smic) system, the units of the SmartHeat Titan series can be individually adjusted to meet any project requirements.

Types: Brine/water, water/water

Capacity range: Titan 55 – 373 kW,

Titan Z – custom-engineered, up to 2500 kW

COP: BW > 4.8 / WW > 6

> Standard features:

- » Hermetically sealed, high-efficiency scroll compressors in tandem design, semi-hermetically sealed screw compressors or semi-hermetically sealed piston compressors (depending on performance range)
- » Energy-efficient partial load mode operation thanks to multiple, output-adjusted compressors
- » Cooling circuit with filter dryer, optional sight glass and electronic high/low pressure monitoring system
- » Electronic expansion valve for optimised COP and low operating costs
- » Electronic soft starter reducing rush-in current
- » Large copper-soldered stainless steel plate heat exchangers
- » R407C refrigerant, max. heating flow temperature 55 °C

- » Sound-insulated housing made in powder-coated sheet steel (up to 373 kW)
- » Multi-function control (smic) system, see page 52
- » All electrical components installed and fully wired
- » Hydraulic connections at the rear of the unit, adaptable
- » Multi-stage vibration decoupling
- » > Optional equipment / accessories
- » Option HT: R134a refrigerant, max. heating flow temperature 80 °C, depending on compressor type
- » Option R: Reversible model for active cooling, minimum outlet temperature 7 °C
- » Option SG-WT: Model with additional suction gas heat exchanger for more efficiency
- » Option HG-WT: Model with additional hot gas heat exchanger for efficient DHW preparation
- » Option WTa/WTb (Titan Z only): Evaporator and/or condenser designed as shell and tube heat exchanger or welded stainless steel heat exchanger (for water/water types without intermediate circuit)
- » 10-bar pressure stage for industrial applications
- » Titan units with special compressors and multi-stage compressor assemblies are known as Titan Z models

> Titan Z - energy centre

The SmartHeat Titan Z energy centre can be equipped with a range of additional hydraulic components such as circulating pumps, separating heat exchangers, switchover and shut-off valves as well as hydraulic piping systems for dual mode operation. These components are selected and dimensioned according to the project requirements, including building specifications, where applicable. Titan Z units are thus always custom-engineered and optimised for the chosen renewable energy sources. By using components whose performance profiles match the project requirements, each Titan Z unit is optimised for both energy efficiency and operational safety.

Serie Titan

| Bezeichnung Description | Typ type | | Kältemittel Refrigerant | Verdichtertyp Compressor | | | Betriebspunkt Operation point | Leistungsdaten Performance data 1) | | | | | Max. Betriebsstrom Max. consumption | Netzanschluss Power supply | Max. Vorlauftemperatur Max. flow temperature | Hydraul. Anschlüsse Hydraulic connections | Abmessungen H x B x T Dimensions H x W x D 2) | ca. Gewicht approx. weight | Energieeffizienz energylabel | |
|--------------------------------------|------------------------------|-------------------------------|----------------------------|-----------------------------|-------------------|----------------------------|----------------------------------|---------------------------------------|--|----------------------------------|--------------------------|----------------------|--|-------------------------------|---|--|--|-------------------------------|------------------------------------|-----------------------------|
| | Sole / Wasser brine/water | Wasser/ Wasser water/water | | Scroll scroll | Schraube Screw | Hubkolben piston engine | | Leistungsstufen Capacity levels | Heizleistung Nominal heating capacity | Leistungsaufnahme Power input | Betriebsstrom Current | Leistungszahl COP | | | | | | | Raumheizgeräte Space heaters 3) | Verbundanlage Package 4) |
| Bestellnummer Order number | | | | | | | | [kW] | [kW] | [kW] | [A] | [-] | [A] | [V]; [Hz] | [°C] | | [mm] | [kg] | | |
| SmartHeat Titan 055 BW H955019055 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 55,31 | 12,40 | 23,8 | 4,46 | 50 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 650 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 51,34 | 19,93 | 34,2 | 2,58 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 076 WW H955017076 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 76,53 | 12,34 | 23,8 | 6,20 | 50 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 650 | A++ | A+++ |
| | | | | | | | W10/W55 | | 68,44 | 19,78 | 34 | 3,46 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 083 BW H955019083 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 83,78 | 18,95 | 37,50 | 4,42 | 70 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 700 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 77,96 | 29,61 | 50,90 | 2,63 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 114 WW H955017114 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 115,59 | 19,08 | 37,70 | 6,06 | 70 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 700 | A++ | A+++ |
| | | | | | | | W10/W55 | | 103,52 | 29,84 | 51,30 | 3,47 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 115 BW H955019115 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 114,02 | 26,06 | 48 | 4,38 | 100 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 720 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 106,09 | 39,39 | 64,9 | 2,69 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 163 WW H955017163 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 158,31 | 26,66 | 48,9 | 5,94 | 100 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 720 | A++ | A+++ |
| | | | | | | | W10/W55 | | 141,96 | 40,40 | 66,2 | 3,51 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 139 BW H955019139 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 138,95 | 31,01 | 58,5 | 4,48 | 138 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 131,36 | 47,59 | 79 | 2,76 | | | | | 1700 x 1005 x 960 ** | | A++ | |

* Schrankdimension dimensions of housing ** mit Anschlüssen with connections

Aktuelle technische Daten und hydraulische Hinweise sowie Maßangaben sind den aktuellen Datenblättern und Bedienungsanleitungen zu entnehmen. Alle Hydrauliken und Darstellungen verstehen sich als Hinweise. Technische Änderungen und Änderungen am Design vorbehalten.
For up-to-date technical data, hydraulic specifications and dimensions, see data sheets and operating manuals. All hydraulic schematics and other diagrams are provided for information purposes only. Subject to technical changes and changes in design without prior notice.

| Bezeichnung Description | Typ type | | Kältemittel Refrigerant | Verdichtertyp Compressor | | | Betriebspunkt Operation point | Leistungsdaten Performance data 1) | | | | | Max. Betriebsstrom Max. consumption | Netzanschluss Power supply | Max. Vorlauftemperatur Max. flow temperature | Hydraul. Anschlüsse Hydraulic connections | Abmessungen H x B x T Dimensions H x W x D 2) | ca. Gewicht approx. weight | Energieeffizienz energylabel | |
|--------------------------------------|------------------------------|-------------------------------|----------------------------|-----------------------------|-------------------|----------------------------|----------------------------------|---------------------------------------|---|----------------------------------|--------------------------|----------------------|--|-------------------------------|---|--|--|-------------------------------|------------------------------------|-----------------------------|
| | Sole / Wasser brine/water | Wasser/ Wasser water/water | | Scroll scroll | Schraube Screw | Hubkolben piston engine | | Leistungstufen Capacity levels | Heizleistung Nominal heating capacity | Leistungsaufnahme Power input | Betriebsstrom Current | Leistungszahl COP | | | | | | | Raumheizgeräte Space heaters 3) | Verbundanlage Package 4) |
| | | | | | | | | [kW] | [kW] | [kW] | [A] | [-] | [A] | [V]; [Hz] | [°C] | [mm] | [kg] | | | |
| SmartHeat Titan 191 WW H955017191 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 190,96 | 31,98 | 59,4 | 5,97 | 138 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | W10/W55 | | 174,65 | 49,31 | 81 | 3,54 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 173 BW H955019173 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 173,24 | 38,66 | 68 | 4,48 | 158 | 400 ; 50; 3 Ph | 55 | DN100 | 1840 x 1258 x 1270 * | 930 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 161,62 | 58,34 | 93,4 | 2,77 | | | | | 1840 x 1258 x 1270 * | | A++ | |
| SmartHeat Titan 238 WW H955017238 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 237,85 | 39,92 | 70 | 5,96 | 158 | 400 ; 50; 3 Ph | 55 | DN100 | 1840 x 1258 x 1270 * | 930 | A++ | A+++ |
| | | | | | | | W10/W55 | | 214,24 | 59,89 | 95,6 | 3,58 | | | | | 1840 x 1258 x 1320 ** | | A++ | |
| SmartHeat Titan 191 BW H955019191 | x | - | R407c | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 186,99 | 43,43 | 76,8 | 4,31 | 144 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1100 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 159,32 | 64,94 | 107,1 | 2,45 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 269 WW H955017269 | - | x | R407c | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 264,99 | 48,68 | 84,9 | 5,44 | 144 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1100 | A++ | A+++ |
| | | | | | | | W10/W55 | | 215,43 | 68,38 | 112,5 | 3,15 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 220 BW H955019220 | x | - | R407c | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 216,65 | 50,10 | 84,6 | 4,32 | 162 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1200 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 188,69 | 76,46 | 123 | 2,47 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 307 WW H955017307 | - | x | R407c | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 301,79 | 54,44 | 91,2 | 5,54 | 162 | 400 ; 50; 3 Ph | 55 | DN125 | 2200 x 1205 x 1445 * | 1200 | A++ | A+++ |
| | | | | | | | W10/W55 | | 252,37 | 80,19 | 128,8 | 3,15 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 274 BW H955019274 | x | - | R407c | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 269,39 | 61,81 | 107,3 | 4,36 | 185 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1350 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 241,80 | 97,47 | 159,7 | 2,48 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 378 WW H955017378 | - | x | R407c | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 373,79 | 67,27 | 115,7 | 5,56 | 185 | 400 ; 50; 3 Ph | 55 | DN125 | 2200 x 1205 x 1445 * | 1350 | A++ | A+++ |
| | | | | | | | W10/W55 | | 324,08 | 102,92 | 168,3 | 3,15 | | | | | 2200 x 1205 x 1500 ** | | A++ | |

* Schrankdimension dimensions of housing ** mit Anschlüssen with connections

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-------|---|---|---|---------|------------------------|--------|-------|------|------|-----|-------------------|----|---------|-----------------------|------|-----|------|
| SmartHeat Titan 038 BW HT H955020038 | x | - | R134a | x | - | - | Bo/W35 | 50% / 100% | 38,35 | 8,39 | 18,8 | 4,57 | 50 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 560 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 35,98 | 12,96 | 24 | 2,78 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 053 WW HT H955018053 | - | x | R134a | x | - | - | W10/W35 | 50% / 100% | 53,24 | 8,31 | 19 | 6,41 | 50 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 560 | A++ | A+++ |
| | | | | | | | W10/W55 | | 48,55 | 12,97 | 24,7 | 3,74 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 056 BW HT H955020056 | x | - | R134a | x | - | - | Bo/W35 | 50% / 100% | 53,63 | 12,17 | 15,9 | 4,41 | 37 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 700 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 50,60 | 18,80 | 19,1 | 2,69 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 078 WW HT H955018078 | - | x | R134a | x | - | - | W10/W35 | 50% / 100% | 74,52 | 12,05 | 16,1 | 6,18 | 37 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 700 | A++ | A+++ |
| | | | | | | | W10/W55 | | 67,95 | 18,81 | 19,7 | 3,61 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 076 BW HT H955020076 | x | - | R134a | x | - | - | Bo/W35 | 50% / 100% | 75,59 | 17,72 | 38,6 | 4,27 | 100 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 720 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 70,86 | 25,71 | 47 | 2,76 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 107 WW HT H955018107 | - | x | R134a | x | - | - | W10/W35 | 50% / 100% | 106,56 | 18,02 | 39 | 5,91 | 100 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 720 | A++ | A+++ |
| | | | | | | | W10/W55 | | 95,83 | 26,30 | 47,8 | 3,64 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 094 BW HT H955020094 | x | - | R134a | x | - | - | Bo/W35 | 50% / 100% | 94,25 | 21,72 | 49,8 | 4,34 | 138 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 88,17 | 31,84 | 60,2 | 2,77 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 132 WW HT H955018132 | - | x | R134a | x | - | - | W10/W35 | 50% / 100% | 131,89 | 22,16 | 49,6 | 5,95 | 138 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | W10/W55 | | 119,52 | 32,83 | 61 | 3,64 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 118 BW HT H955020118 | x | - | R134a | x | - | - | Bo/W35 | 50% / 100% | 117,73 | 26,26 | 51,8 | 4,48 | 158 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 930 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 109,56 | 38,04 | 65,8 | 2,88 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 164 WW HT H955018164 | - | x | R134a | x | - | - | W10/W35 | 50% / 100% | 164,30 | 27,09 | 52,6 | 6,07 | 158 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 930 | A++ | A+++ |
| | | | | | | | W10/W55 | | 148,10 | 39,11 | 67,2 | 3,79 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 134 BW HT H955020134 | x | - | R134a | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 133,51 | 27,88 | 54,8 | 4,79 | 144 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1100 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 116,19 | 41,31 | 72,6 | 2,81 | | | | | 2200 x 1205 x 1500 ** | | A++ | |

| Bezeichnung Description | Typ type | | Kältemittel Refrigerant | Verdichtertyp Compressor | | | Betriebspunkt Operation point | Leistungsdaten Performance data 1) | | | | | Max. Betriebsstrom Max. consumption | Netzanschluss Power supply | Max. Vorlauftemperatur Max. flow temperature | Hydraul. Anschlüsse Hydraulic connections | Abmessungen H x B x T Dimensions H x W x D 2) | ca. Gewicht approx. weight | Energieeffizienz energylabel | |
|---|------------------------------|--------------------------------|----------------------------|-----------------------------|-------------------|----------------------------|----------------------------------|---------------------------------------|--|----------------------------------|--------------------------|-----------------------|--|-------------------------------|---|--|--|-------------------------------|---------------------------------|------|
| | Sole / Wasser brine/water | Wasser / Wasser water/water | | Scroll scroll | Schraube Screw | Hubkolben piston engine | | Leistungsstufen Capacity/levels | Heizleistung Nominal heating capacity | Leistungsaufnahme Power input | Betriebsstrom Current | Leistungszahl COP | | | | | | | [kW] | [kW] |
| SmartHeat Titan 192 WW HT H955018192 | - | x | R134a | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 192,00 | 30,40 | 57,9 | 6,32 | 144 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1100 | A++ | A+++ |
| | | | | | | | W10/W55 | 162,16 | 43,43 | 75,5 | 3,73 | 2200 x 1205 x 1500 ** | | | | | A++ | | | |
| SmartHeat Titan 153 BW HT H955020153 | x | - | R134a | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 153,27 | 32,12 | 59,5 | 4,77 | 162 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1200 | A++ | A+++ |
| | | | | | | | Bo/W55 | 136,33 | 47,77 | 80,2 | 2,85 | 2200 x 1205 x 1500 ** | | | | | A++ | | | |
| SmartHeat Titan 219 WW HT H955018219 | - | x | R134a | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 218,56 | 34,64 | 62,6 | 6,31 | 162 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1200 | A++ | A+++ |
| | | | | | | | W10/W55 | 189,01 | 50,30 | 83,7 | 3,76 | 2200 x 1205 x 1500 ** | | | | | A++ | | | |
| SmartHeat Titan 193 BW HT H955020193 | x | - | R134a | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 192,56 | 39,59 | 75,9 | 4,86 | 185 | 400 ; 50; 3 Ph | 65 | DN80 / DN80 | 2200 x 1205 x 1445 * | 1200 | A++ | A+++ |
| | | | | | | | Bo/W55 | 172,98 | 59,49 | 102,5 | 2,91 | 2200 x 1205 x 1500 ** | | | | | A++ | | | |
| SmartHeat Titan 270 WW HT H955018270 | - | x | R134a | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 270,47 | 42,52 | 79,6 | 6,36 | 185 | 400 ; 50; 3 Ph | 65 | DN100 / DN100 | 2200 x 1205 x 1445 * | 1200 | A++ | A+++ |
| | | | | | | | W10/W55 | 236,81 | 62,12 | 106,4 | 3,81 | 2200 x 1205 x 1500 ** | | | | | A++ | | | |
| SmartHeat Titan 084 BW HT H955020084 | x | - | R134a | - | - | x | Bo/W35 | 50% / 100% | 83,53 | 19,31 | 39,60 | 4,33 | 84 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | Bo/W55 | 68,01 | 22,42 | 43,40 | 3,03 | 1700 x 1005 x 960 ** | | | | | A++ | | | |

* Schrankdimension dimensions of housing ** mit Anschlüssen with connections

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-------|---|---|---|---------|------------|--------|-------|--------|------|-----|-------------------|----|---------|-----------------------|------|-----|------|
| SmartHeat Titan 120WW HT H955018120 | - | x | R134a | - | - | x | W10/W35 | 50% / 100% | 120,00 | 22,42 | 43,40 | 5,35 | 84 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | W10/W55 | | 98,86 | 24,85 | 49,80 | 3,31 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 110 BW HT H955020110 | x | - | R134a | - | - | x | Bo/W35 | 50% / 100% | 108,47 | 25,05 | 51,20 | 4,33 | 118 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 1700 x 1005 x 920 * | 950 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 88,65 | 29,09 | 56,60 | 3,05 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 155 WW HT H955018155 | - | x | R134a | - | - | x | W10/W35 | 50% / 100% | 156,55 | 29,29 | 56,80 | 5,34 | 118 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 1700 x 1005 x 920 * | 950 | A++ | A+++ |
| | | | | | | | W10/W55 | | 128,68 | 35,75 | 66,00 | 3,60 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 140 BW HT H955020140 | x | - | R134a | - | - | x | Bo/W35 | 50% / 100% | 141,75 | 32,72 | 80,20 | 4,33 | 150 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 1745 x 1245 x 910 | 1150 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 115,77 | 37,98 | 85,60 | 3,05 | | | | | 1745 x 1245 x 910 | | A++ | |
| SmartHeat Titan 200 WW HT H955018200 | - | x | R134a | - | - | x | W10/W35 | 50% / 100% | 204,44 | 38,18 | 86,00 | 5,35 | 150 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 1840 x 1258 x 1270 * | 1150 | A++ | A+++ |
| | | | | | | | W10/W55 | | 168,11 | 46,66 | 95,60 | 3,60 | | | | | 1840 x 1258 x 1320 ** | | A++ | |
| SmartHeat Titan 175 BW HT H955020175 | x | - | R134a | - | - | x | Bo/W35 | 50% / 100% | 175,21 | 40,00 | 101,40 | 4,38 | 208 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 2200 x 1205 x 1445 * | 1300 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 148,24 | 49,69 | 110,20 | 2,98 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 250 WW HT H955018250 | - | x | R134a | - | - | x | W10/W35 | 50% / 100% | 249,68 | 44,04 | 105,00 | 5,67 | 208 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | W10/W55 | | 214,57 | 58,98 | 120,20 | 3,64 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 200 BW HT H955020200 | x | - | R134a | - | - | x | Bo/W35 | 50% / 100% | 200,08 | 45,65 | 120,80 | 4,38 | 238 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 168,69 | 56,56 | 130,60 | 2,98 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 285 WW HT H955018285 | - | x | R134a | - | - | x | W10/W35 | 50% / 100% | 284,84 | 50,10 | 124,80 | 5,69 | 238 | 400 ; 50; 3 Ph | 80 | 2" / 2" | 2200 x 1205 x 1445 * | 1300 | A++ | A+++ |
| | | | | | | | W10/W55 | | 244,19 | 67,06 | 141,40 | 3,64 | | | | | 2200 x 1205 x 1500 ** | | A++ | |

* Schrankdimension dimensions of housing ** mit Anschlüssen with connections

Aktiv Kühlen

| Bezeichnung Description | Typ type | | Kältemittel Refrigerant | Verdichtertyp Compressor | | | Betriebspunkt Operation point | Leistungsdaten Performance data 1) | | | | | Max. Betriebsstrom Max. consumption | Netzanschluss Power supply | Max. Vorlauftemperatur Max. flow temperature | Hydraul. Anschlüsse Hydraulic connections | Abmessungen H x B x T Dimensions H x W x D 2) | ca. Gewicht approx. weight | Energieeffizienz energylabel | | | |
|---|------------------------------|--------------------------------|----------------------------|-----------------------------|-------------------|----------------------------|----------------------------------|---------------------------------------|--|----------------------------------|--------------------------|----------------------|--|-------------------------------|---|--|--|-------------------------------|---------------------------------|------|------------|------|
| | Sole / Wasser brine/water | Wasser / Wasser water/water | | Scroll scroll | Schraube Screw | Hubkolben piston engine | | Leistungsstufen Capacity levels | Heizleistung Nominal heating capacity | Leistungsaufnahme Power input | Betriebsstrom Current | Leistungszahl COP | | | | | | | [kW] | [kW] | [kW] | [A] |
| SmartHeat Titan 038 BW HT R H955020037 | x | - | R134a | x | - | - | Bo/W35 Bo/W55 | 50% / 100% | 37,57 35,27 | 8,22 12,7 | 18,8 24 | 4,48 2,72 | 50 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * 1700 x 1005 x 960 ** | 590 | | + 開 | A++ A++ | A+++ |
| SmartHeat Titan 053 WW HT R H955018052 | - | x | R134a | x | - | - | W10/W35 W10/W55 | 50% / 100% | 52,17 47,58 | 8,14 12,71 | 19 24,7 | 6,28 3,67 | 50 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * 1700 x 1005 x 960 ** | 590 | | + 開 | A++ A++ | A+++ |
| SmartHeat Titan 056 BW HT R H955020055 | x | - | R134a | x | - | - | Bo/W35 Bo/W55 | 50% / 100% | 54,56 49,59 | 11,93 18,43 | 15,9 19,1 | 4,32 2,64 | 37 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * 1700 x 1005 x 960 ** | 730 | | + 開 | A++ A++ | A+++ |
| SmartHeat Titan 078 WW HT R H955018077 | - | x | R134a | x | - | - | W10/W35 W10/W55 | 50% / 100% | 73,03 66,59 | 11,81 18,43 | 16,1 19,7 | 6,06 3,54 | 37 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * 1700 x 1005 x 960 ** | 730 | | + 開 | A++ A++ | A+++ |
| SmartHeat Titan 076 BW HT R H955020075 | x | - | R134a | x | - | - | Bo/W35 Bo/W55 | 50% / 100% | 74,08 69,44 | 17,37 25,2 | 38,6 47 | 4,18 2,7 | 100 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * 1700 x 1005 x 960 ** | 750 | | + 開 | A++ A++ | A+++ |
| SmartHeat Titan 107 WW HT R H955018106 | - | x | R134a | x | - | - | W10/W35 W10/W55 | 50% / 100% | 104,43 93,91 | 17,66 25,77 | 39 47,8 | 5,8 3,57 | 100 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * 1700 x 1005 x 960 ** | 750 | | + 開 | A++ A++ | A+++ |
| SmartHeat Titan 094 BW HT R H955020093 | x | - | R134a | x | - | - | Bo/W35 Bo/W55 | 50% / 100% | 92,37 86,41 | 21,28 31,2 | 49,8 60,2 | 4,25 2,71 | 138 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * 1700 x 1005 x 960 ** | 790 | | + 開 | A++ A++ | A+++ |

* Schrankdimension dimensions of housing ** mit Anschlüssen with connections

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-------|---|---|---|---------|------------------------|--------|-------|-------|------|-----|-------------------|----|---------------|-----------------------|------|-----|------|
| SmartHeat Titan 132 WW HT R H955018131 | - | x | R134a | x | - | - | W10/W35 | 50% / 100% | 129,25 | 21,72 | 49,6 | 5,83 | 138 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 790 | A++ | A+++ |
| | | | | | | | W10/W55 | | 117,13 | 32,17 | 61 | 3,57 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 118 BW HT R H955020117 | x | - | R134a | x | - | - | Bo/W35 | 50% / 100% | 115,38 | 25,73 | 51,8 | 4,39 | 158 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 970 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 107,37 | 37,28 | 65,8 | 2,82 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeatTitan 164 WW HT R H955018163 | - | x | R134a | x | - | - | W10/W35 | 50% / 100% | 161,02 | 26,55 | 52,6 | 5,94 | 158 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 1700 x 1005 x 920 * | 970 | A++ | A+++ |
| | | | | | | | W10/W55 | | 145,13 | 38,33 | 67,2 | 3,71 | | | | | 1700 x 1005 x 960 ** | | A++ | |
| SmartHeat Titan 134 BW HT R H955020133 | x | - | R134a | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 130,84 | 27,32 | 54,8 | 4,69 | 144 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1140 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 113,87 | 40,48 | 72,6 | 2,76 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 192 WW HT R H955018191 | - | x | R134a | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 188,16 | 29,79 | 57,9 | 6,19 | 144 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1140 | A++ | A+++ |
| | | | | | | | W10/W55 | | 158,91 | 42,56 | 75,5 | 3,66 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 153 BW HT R H955020152 | x | - | R134a | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 150,21 | 31,48 | 59,5 | 4,68 | 162 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 133,61 | 46,82 | 80,2 | 2,8 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 219 WW HT R H955018218 | - | x | R134a | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 214,18 | 33,95 | 62,6 | 6,18 | 162 | 400 ; 50; 3 Ph | 65 | 2" / 2" | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | W10/W55 | | 185,23 | 49,29 | 83,7 | 3,68 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 193 BW HT R H955020192 | x | - | R134a | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 188,71 | 38,8 | 75,9 | 4,77 | 185 | 400 ; 50; 3 Ph | 65 | DN80 / DN80 | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 169,52 | 58,3 | 102,5 | 2,85 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 270 WW HT R H955018269 | - | x | R134a | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 265,06 | 41,67 | 79,6 | 6,23 | 185 | 400 ; 50; 3 Ph | 65 | DN100 / DN100 | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | W10/W55 | | 232,08 | 60,87 | 106,4 | 3,74 | | | | | 2200 x 1205 x 1500 ** | | A++ | |

* Schrankdimension dimensions of housing ** mit Anschlüssen with connections

Aktuelle technische Daten und hydraulische Hinweise sowie Maßangaben sind den aktuellen Datenblättern und Bedienungsanleitungen zu entnehmen. Alle Hydrauliken und Darstellungen verstehen sich als Hinweise. Technische Änderungen und Änderungen am Design vorbehalten.
For up-to-date technical data, hydraulic specifications and dimensions, see data sheets and operating manuals. All hydraulic schematics and other diagrams are provided for information purposes only. Subject to technical changes and changes in design without prior notice.

| Bezeichnung Description | Typ type | | Kältemittel Refrigerant | Verdichtertyp Compressor | | | Betriebspunkt Operation point | Leistungsdaten Performance data 1) | | | | | Max. Betriebsstrom Max. consumption | Netzanschluss Power supply | Max. Vorlauftemperatur Max. flow temperature | Hydraul. Anschlüsse Hydraulic connections | Abmessungen H x B x T Dimensions H x W x D 2) | ca. Gewicht approx. weight | Energieeffizienz energylabel | |
|--|------------------------------|-------------------------------|----------------------------|-----------------------------|-------------------|----------------------------|----------------------------------|---------------------------------------|---|----------------------------------|--------------------------|----------------------|--|-------------------------------|---|--|--|-------------------------------|---------------------------------|------------------|
| | Sole / Wasser brine/water | Wasser/ Wasser water/water | | Scroll scroll | Schraube Screw | Hubkolben piston engine | | Leistungsstufen Capacity levels | Heizleistung Nominal heating capacity | Leistungsaufnahme Power input | Betriebsstrom Current | Leistungszahl COP | | | | | | | Raumheizgeräte 3) | Verbundanlage 4) |
| SmartHeat Titan 055 BW R H955019054 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 54,21 | 12,5 | 23,80 | 4,37 | 50 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 680 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 50,31 | 19,5 | 34,20 | 2,52 | | | | | | | | |
| SmartHeat Titan 076 WW R H955017075 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 75,00 | 12,09 | 23,80 | 6,08 | 50 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 680 | A++ | A+++ |
| | | | | | | | W10/W55 | | 67,07 | 19,38 | 34,00 | 3,39 | | | | | | | | |
| SmartHeat Titan 083 BW R H955019082 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 82,11 | 18,57 | 37,50 | 4,33 | 70 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 730 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 76,40 | 29,02 | 50,90 | 2,58 | | | | | | | | |
| SmartHeat Titan 114 WW R H955017113 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 113,28 | 18,70 | 37,70 | 5,94 | 70 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 730 | A++ | A+++ |
| | | | | | | | W10/W55 | | 101,45 | 29,24 | 51,30 | 3,40 | | | | | | | | |
| SmartHeat Titan 115 BW R H955019114 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 111,74 | 25,54 | 48,00 | 4,29 | 100 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 103,97 | 38,60 | 64,90 | 2,64 | | | | | | | | |
| SmartHeat Titan 163 WW R H955017162 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 155,15 | 26,13 | 48,90 | 5,82 | 100 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 750 | A++ | A+++ |
| | | | | | | | W10/W55 | | 139,12 | 39,59 | 66,20 | 3,44 | | | | | | | | |
| SmartHeat Titan 139 BW R H955019138 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 136,17 | 30,39 | 58,50 | 4,39 | 138 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 790 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 128,73 | 46,64 | 79,00 | 2,70 | | | | | | | | |
| SmartHeat Titan 191 WW R H955017190 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 187,14 | 31,34 | 59,40 | 5,85 | 138 | 400 ; 50; 3 Ph | 55 | 2" / 2" | 1700 x 1005 x 920 * | 790 | A++ | A+++ |
| | | | | | | | W10/W55 | | 171,16 | 48,32 | 81,00 | 3,47 | | | | | | | | |

* Schrankdimension dimensions of housing ** mit Anschlüssen with connections

| | | | | | | | | | | | | | | | | | | | | |
|--|---|---|-------|---|---|---|---------|------------------------|--------|--------|--------|------|-----|-------------------|----|-------|-----------------------|------|-----|------|
| SmartHeat Titan 173 BW R H955019172 | x | - | R407c | x | - | - | Bo/W35 | 50% / 100% | 169,78 | 37,89 | 68,00 | 4,39 | 158 | 400 ; 50; 3 Ph | 55 | DN100 | 1840 x 1258 x 1270 * | 970 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 158,36 | 57,17 | 93,40 | 2,72 | | | | | 1840 x 1258 x 1270 * | | A++ | |
| SmartHeat Titan 238 WW R H955017237 | - | x | R407c | x | - | - | W10/W35 | 50% / 100% | 233,10 | 39,12 | 70,00 | 5,84 | 158 | 400 ; 50; 3 Ph | 55 | DN100 | 1840 x 1258 x 1270 * | 970 | A++ | A+++ |
| | | | | | | | W10/W55 | | 209,95 | 58,70 | 95,60 | 3,51 | | | | | 1840 x 1258 x 1320 ** | | A++ | |
| SmartHeat Titan 191 BW R H955019190 | x | - | R407c | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 183,25 | 42,56 | 76,80 | 4,22 | 144 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1140 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 156,14 | 63,64 | 107,10 | 2,40 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 269 WW R H955017268 | - | x | R407c | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 259,69 | 47,71 | 84,90 | 5,33 | 144 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1140 | A++ | A+++ |
| | | | | | | | W10/W55 | | 211,12 | 67,01 | 112,50 | 3,09 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 220 BW R H955019219 | x | - | R407c | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 212,31 | 49,09 | 84,60 | 4,24 | 162 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 184,91 | 74,93 | 123,00 | 2,42 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 307 WW R H955017306 | - | x | R407c | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 295,75 | 53,35 | 91,20 | 5,43 | 162 | 400 ; 50; 3 Ph | 55 | DN125 | 2200 x 1205 x 1445 * | 1250 | A++ | A+++ |
| | | | | | | | W10/W55 | | 247,32 | 78,59 | 128,80 | 3,08 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 274 BW R H955019273 | x | - | R407c | - | x | - | Bo/W35 | 25% / 50% / 75% / 100% | 264,00 | 60,58 | 107,30 | 4,27 | 185 | 400 ; 50; 3 Ph | 55 | DN100 | 2200 x 1205 x 1445 * | 1400 | A++ | A+++ |
| | | | | | | | Bo/W55 | | 236,96 | 95,52 | 159,70 | 2,43 | | | | | 2200 x 1205 x 1500 ** | | A++ | |
| SmartHeat Titan 378 WW R H955017377 | - | x | R407c | - | x | - | W10/W35 | 25% / 50% / 75% / 100% | 366,31 | 65,92 | 115,70 | 5,45 | 185 | 400 ; 50; 3 Ph | 55 | DN125 | 2200 x 1205 x 1445 * | 1400 | A++ | A+++ |
| | | | | | | | W10/W55 | | 317,60 | 104,03 | 168,30 | 3,47 | | | | | 2200 x 1205 x 1500 ** | | A++ | |

1) nach DIN EN 14511 according to DIN EN 14511

2) bitte ausreichend Platz für die Anschlüsse berücksichtigen please consider enough space for the connections

3) Energieeffizienz Raumheizgeräte energy efficiency space heaters

4) Energieeffizienz (Verbundanlage) Raumheizgerät mit Temperaturregler energy efficiency package of space heater and temperature control

>> Energieeffizienzklasse nach EU-Verordnung Nr. 811/2013, durchschnittliche Klimaverhältnisse - Temperaturanwendung (W55 bzw. W35)

>> energy efficiency of EU-Journal Nr. 811/2013, average climate conditions - temperature (W55 or W35)