

## Subtype TEAMAO 4 10/12/14 kW

Certificate Holder	FRISQUET SA
Address	20 Rue Branly – Z.I.
ZIP	77100
City	Meaux
Country	FR
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	TEAMAO 4 10/12/14 kW
Registration number	011-1W0561
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.6 kg
Certification Date	01.12.2022
Testing basis	HP KEYMARK certification scheme rules V12

## Model TEAMAO 4 10 kW

Model name	TEAMAO 4 10 kW
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	178 %	131 %
Prated	10.00 kW	10.00 kW
SCOP	4.52	3.35
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	8.80 kW	8.80 kW
COP Tj = -7°C	3.10	2.00
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	5.70 kW	5.70 kW
COP Tj = +2°C	4.46	3.16
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.20 kW
COP Tj = +7°C	5.68	4.77
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	4.50 kW	3.60 kW
COP Tj = 12°C	7.76	6.92
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	8.80 kW	8.80 kW
COP Tj = Tbiv	3.10	2.00

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.60 kW	8.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.93
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	17 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	1.40 kW
Annual energy consumption Qhe	4572 kWh	6174 kWh

## Model TEAMAO 4 12 kW

Model name	TEAMAO 4 12 kW
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	176 %	129 %
Prated	11.70 kW	11.70 kW
SCOP	4.47	3.29
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.35 kW	10.35 kW
COP Tj = -7°C	2.78	1.94
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	6.30 kW	6.30 kW
COP Tj = +2°C	4.45	3.10
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.60 kW	5.30 kW
COP Tj = +7°C	5.83	4.73
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	4.40 kW	4.30 kW
COP Tj = 12°C	7.86	6.94
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.35 kW	10.35 kW
COP Tj = Tbiv	2.78	1.94

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.20 kW	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.88
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	21 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	5409 kWh	7336 kWh

## Model TEAMAO 4 14 kW

Model name	TEAMAO 4 14 kW
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	157 %	126 %
Prated	13.60 kW	12.70 kW
SCOP	4.00	3.22
Tbiv	-4 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.43 kW	11.24 kW
COP Tj = -7°C	2.45	1.89
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	7.32 kW	6.84 kW
COP Tj = +2°C	3.91	3.00
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.60 kW	5.30 kW
COP Tj = +7°C	5.83	4.73
Cdh Tj = +7 °C	0.970	0.990
Pdh Tj = 12°C	4.40 kW	4.30 kW
COP Tj = 12°C	7.86	6.94
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.46 kW	11.24 kW
COP Tj = Tbiv	2.84	1.89

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.20 kW	10.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.75
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	26 W	17 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.40 kW	2.10 kW
Annual energy consumption Qhe	7016 kWh	8144 kWh

## Model TEAMAO 4 14 kW TRI

Model name	TEAMAO 4 14 kW TRI
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	157 %	126 %
Prated	13.60 kW	12.70 kW
SCOP	4.00	3.22
Tbiv	-4 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.43 kW	11.24 kW
COP Tj = -7°C	2.45	1.89
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	7.32 kW	6.84 kW
COP Tj = +2°C	3.91	3.00
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.60 kW	5.30 kW
COP Tj = +7°C	5.83	4.73
Cdh Tj = +7 °C	0.970	0.990
Pdh Tj = 12°C	4.40 kW	4.30 kW
COP Tj = 12°C	7.86	6.94
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.46 kW	11.24 kW
COP Tj = Tbiv	2.84	1.89



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.20 kW	10.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.75
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	26 W	17 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.40 kW	2.10 kW
Annual energy consumption Qhe	7016 kWh	8144 kWh

## Model TEAMAO 4 SWELL 10kW

Model name	TEAMAO 4 SWELL 10kW
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	178 %	131 %
Prated	10.00 kW	10.00 kW
SCOP	4.52	3.35
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	8.80 kW	8.80 kW
COP Tj = -7°C	3.10	2.00
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	5.70 kW	5.70 kW
COP Tj = +2°C	4.46	3.16
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.20 kW
COP Tj = +7°C	5.68	4.77
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	4.50 kW	3.60 kW
COP Tj = 12°C	7.76	6.92
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	8.80 kW	8.80 kW
COP Tj = Tbiv	3.10	2.00

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.60 kW	8.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.93
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	17 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	1.40 kW
Annual energy consumption Qhe	4572 kWh	6174 kWh

## Model TEAMAO 4 SWELL 12kW

Model name	TEAMAO 4 SWELL 12kW
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	176 %	129 %
Prated	11.70 kW	11.70 kW
SCOP	4.47	3.29
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.35 kW	10.35 kW
COP Tj = -7°C	2.78	1.94
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	6.30 kW	6.30 kW
COP Tj = +2°C	4.45	3.10
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.60 kW	5.30 kW
COP Tj = +7°C	5.83	4.73
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	4.40 kW	4.30 kW
COP Tj = 12°C	7.86	6.94
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.35 kW	10.35 kW
COP Tj = Tbiv	2.78	1.94

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.20 kW	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.88
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	21 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	5409 kWh	7336 kWh

## Model TEAMAO 4 SWELL 14kW

Model name	TEAMAO 4 SWELL 14kW
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	157 %	126 %
Prated	13.60 kW	12.70 kW
SCOP	4.00	3.22
Tbiv	-4 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.43 kW	11.24 kW
COP Tj = -7°C	2.45	1.89
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	7.32 kW	6.84 kW
COP Tj = +2°C	3.91	3.00
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.60 kW	5.30 kW
COP Tj = +7°C	5.83	4.73
Cdh Tj = +7 °C	0.970	0.990
Pdh Tj = 12°C	4.40 kW	4.30 kW
COP Tj = 12°C	7.86	6.94
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.46 kW	11.24 kW
COP Tj = Tbiv	2.84	1.89

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.20 kW	10.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.75
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	26 W	17 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.40 kW	2.10 kW
Annual energy consumption Qhe	7016 kWh	8144 kWh

## Model TEAMAO 4 SWELL 14kW TRI

Model name	TEAMAO 4 SWELL 14kW TRI
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	157 %	126 %
Prated	13.60 kW	12.70 kW
SCOP	4.00	3.22
Tbiv	-4 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.43 kW	11.24 kW
COP Tj = -7°C	2.45	1.89
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	7.32 kW	6.84 kW
COP Tj = +2°C	3.91	3.00
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.60 kW	5.30 kW
COP Tj = +7°C	5.83	4.73
Cdh Tj = +7 °C	0.970	0.990
Pdh Tj = 12°C	4.40 kW	4.30 kW
COP Tj = 12°C	7.86	6.94
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.46 kW	11.24 kW
COP Tj = Tbiv	2.84	1.89



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.20 kW	10.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.75
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	26 W	17 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.40 kW	2.10 kW
Annual energy consumption Qhe	7016 kWh	8144 kWh