

MISASILENT TN R407F

**ENERGY EFFICIENCY
DATA SHEETS**

Model	MISASILENT- GPS15		
Refrigerating Fluid	R407F		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	x	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	3,55	kW
Nominal absorbed power	D_A	1,68	kW
Nominal COP	COP_A	2,12	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	3,82	kW
Nominal absorbed power	D_B	1,51	kW
Declared COP	COP_B	2,53	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	x	kW
Nominal absorbed power	D_C	x	kW
Declared COP	COP_C	x	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_A	x	kW
Declared COP	COP_D	x	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,09	kW
Nominal absorbed power	D_3	1,53	kW
Declared COP	COP_3	2,02	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model	MISASILENT- GPS20		
Refrigerating Fluid	R407F		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	x	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,48	kW
Nominal absorbed power	D_A	2,06	kW
Nominal COP	COP_A	2,18	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	4,80	kW
Nominal absorbed power	D_B	1,86	kW
Declared COP	COP_B	2,58	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	x	kW
Nominal absorbed power	D_C	x	kW
Declared COP	COP_C	x	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	x	kW
Nominal absorbed power	D_A	x	kW
Declared COP	COP_D	x	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	3,88	kW
Nominal absorbed power	D_3	2,47	kW
Declared COP	COP_3	1,57	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
EPTA S.p.A. Unità Locale Via delle Monachelle Vecchia, 7 00071 - Pomezia (RM) - Italia			

Model	MISASILENT- GPS25		
Refrigerating Fluid	R407F		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,03	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	4,85	kW
Nominal absorbed power	D_A	2,12	kW
Nominal COP	COP_A	2,29	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	5,24	kW
Nominal absorbed power	D_B	1,94	kW
Declared COP	COP_B	2,70	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	5,72	kW
Nominal absorbed power	D_C	1,74	kW
Declared COP	COP_C	3,29	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	6,13	kW
Nominal absorbed power	D_A	1,59	kW
Declared COP	COP_D	3,86	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	4,17	kW
Nominal absorbed power	D_3	2,45	kW
Declared COP	COP_3	1,70	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
EPTA S.p.A. Unità Locale Via delle Monachelle Vecchia, 7 00071 - Pomezia (RM) - Italia			

Model	MISASILENT- GPS26		
Refrigerating Fluid	R407F		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	2,96	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	5,87	kW
Nominal absorbed power	D_A	2,63	kW
Nominal COP	COP_A	2,23	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	6,36	kW
Nominal absorbed power	D_B	2,42	kW
Declared COP	COP_B	2,63	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	6,97	kW
Nominal absorbed power	D_C	2,16	kW
Declared COP	COP_C	3,22	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	7,46	kW
Nominal absorbed power	D_A	1,98	kW
Declared COP	COP_D	3,76	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	5,02	kW
Nominal absorbed power	D_3	3,04	kW
Declared COP	COP_3	1,65	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	

Model	MISASILENT- GPS30
Refrigerating Fluid	R407F

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,19	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	6,82	kW
Nominal absorbed power	D_A	3,23	kW
Nominal COP	COP_A	2,11	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	7,30	kW
Nominal absorbed power	D_B	2,82	kW
Declared COP	COP_B	2,59	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	7,97	kW
Nominal absorbed power	D_C	2,34	kW
Declared COP	COP_C	3,41	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	8,60	kW
Nominal absorbed power	D_A	1,99	kW
Declared COP	COP_D	4,31	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	6,03	kW
Nominal absorbed power	D_3	4,05	kW
Declared COP	COP_3	1,49	

Control of capacity	<i>fixed</i>		
---------------------	--------------	--	--

Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
--	-------	-------------	--

EPTA S.p.A.
 Unità Locale
 Via delle Monachelle Vecchia, 7
 00071 - Pomezia (RM) - Italia

Model	MISASILENT- GPS40
Refrigerating Fluid	R407F

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,20	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	8,52	kW
Nominal absorbed power	D_A	4,00	kW
Nominal COP	COP_A	2,13	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	9,17	kW
Nominal absorbed power	D_B	3,49	kW
Declared COP	COP_B	2,63	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	10,06	kW
Nominal absorbed power	D_C	2,92	kW
Declared COP	COP_C	3,44	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	10,90	kW
Nominal absorbed power	D_A	2,53	kW
Declared COP	COP_D	4,31	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	7,46	kW
Nominal absorbed power	D_3	4,97	kW
Declared COP	COP_3	1,50	

Control of capacity	<i>fixed</i>		
---------------------	--------------	--	--

Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
--	-------	-------------	--

EPTA S.p.A.
 Unità Locale
 Via delle Monachelle Vecchia, 7
 00071 - Pomezia (RM) - Italia

Model	MISASILENT- GPS47		
Refrigerating Fluid	R407F		
Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	3,13	
Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	10,09	kW
Nominal absorbed power	D_A	4,78	kW
Nominal COP	COP_A	2,11	
Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	10,87	kW
Nominal absorbed power	D_B	4,23	kW
Declared COP	COP_B	2,57	
Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	11,93	kW
Nominal absorbed power	D_C	3,56	kW
Declared COP	COP_C	3,35	
Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	12,92	kW
Nominal absorbed power	D_A	3,06	kW
Declared COP	COP_D	4,23	
Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	8,81	kW
Nominal absorbed power	D_3	5,84	kW
Declared COP	COP_3	1,51	
Control of capacity	<i>fixed</i>		
Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
EPTA S.p.A. Unità Locale Via delle Monachelle Vecchia, 7 00071 - Pomezia (RM) - Italia			

Model	MISASILENT- GPS70
Refrigerating Fluid	R407F

Element	Symbol	Value	Unit
Evaporation temperature	t	-10°C	°C
Annual consumption of electrical energy	Q	x	kWh/a
Seasonal energy efficiency ratio	$SEPR$	2,92	

Parameters at full load and at a room temperature of 32°C (Point A)			
Nominal cooling capacity	P_A	13,08	kW
Nominal absorbed power	D_A	6,41	kW
Nominal COP	COP_A	2,04	

Parameters at full load and at a room temperature of 25°C (Point B)			
Nominal cooling capacity	P_B	13,99	kW
Nominal absorbed power	D_B	5,73	kW
Declared COP	COP_B	2,44	

Parameters at full load and at a room temperature of 15°C (Point C)			
Nominal cooling capacity	P_C	15,37	kW
Nominal absorbed power	D_C	4,92	kW
Declared COP	COP_C	3,12	

Parameters at full load and at a room temperature of 5°C (Point D)			
Nominal cooling capacity	P_D	16,82	kW
Nominal absorbed power	D_A	4,32	kW
Declared COP	COP_D	3,89	

Parameters at full load and at a room temperature of 43°C			
Nominal cooling capacity	P_3	11,74	kW
Nominal absorbed power	D_3	7,57	kW
Declared COP	COP_3	1,55	

Control of capacity	<i>fixed</i>		
---------------------	--------------	--	--

Degradation coefficient of the units with a fixed and progressive capacity	Cdc	0,25	
--	-------	-------------	--

EPTA S.p.A.
 Unità Locale
 Via delle Monachelle Vecchia, 7
 00071 - Pomezia (RM) - Italia



**BUREAU
VERITAS**
PED Certification

