

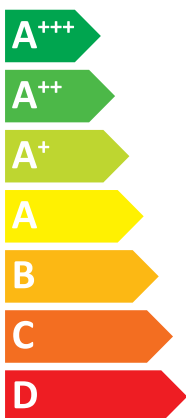


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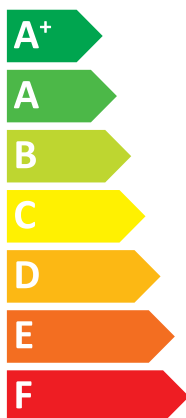
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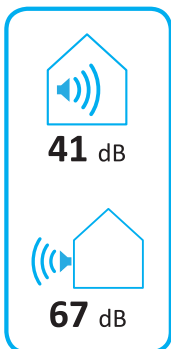
Indoor unit E*ST30D-*M2/6/9*D
Outdoor unit PXZ-4F75VG



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2019

811/2013

DG79V456H01



PRODUCT FICHE

Mitsubishi Electric Erp Directive Related Product Information: erp.mitsubishielectric.eu/erp
Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
This information is based on EU regulation No 811/2013 and No 813/2013.

DG79A02NH02

1.SPACE HEATER		For medium-temperature application													For low-temperature application												
1	2	3	6	8	11	9	13	15	16	21	22	17	18	25	4	6	8	11	9	13	15	16	21	22	17	18	25
Outdoor unit	Indoor unit	Medium-temperature application													Low-temperature application												
		Seasonal space heating energy efficiency class	Rated heat output under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	For space heating: annual energy consumption under average climate conditions	Sound power level L _{WA} , indoor	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	For space heating: annual energy consumption under colder climate conditions	For space heating: annual energy consumption under warmer climate conditions	Sound power level L _{WA} , outdoor	Low-temperature application	Seasonal space heating energy efficiency class	Rated heat output under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	For space heating: annual energy consumption under average climate conditions	Sound power level L _{WA} , indoor	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	For space heating: annual energy consumption under colder climate conditions	For space heating: annual energy consumption under warmer climate conditions	Sound power level L _{WA} , outdoor	
		kW	%	kWh	dB	kW	kW	kW	%	%	kWh	kWh	dB		A++	kW	%	kWh	dB	kW	kW	%	%	kWh	kWh	dB	
PXZ-4F75VG	EHSD-****D	✓	A+	6	113	4335	41	5	6	97	147	5136	2244	67	✓	A++	6	154	3212	41	5	7	132	199	3805	1800	67
	ERSD-****D	✓	A+	6	113	4335	41	5	6	97	147	5136	2244	67	✓	A++	6	154	3212	41	5	7	132	199	3805	1800	67

COMBINATION HEATER		For medium-temperature application																									For low-temperature application																								
1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25						
Outdoor unit	Indoor unit	Medium-temperature application																									Low-temperature application																								
		Decided load profile	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating: annual energy consumption under average climate conditions	For water heating: annual energy consumption under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	Water heating energy efficiency under average climate conditions	For water heating: annual energy consumption under colder climate conditions	For water heating: annual energy consumption under warmer climate conditions	Sound power level L _{WA} , indoor	Work only during off-peak hours	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	For space heating: annual energy consumption under colder climate conditions	For space heating: annual energy consumption under warmer climate conditions	For water heating: annual energy consumption under colder climate conditions	For water heating: annual energy consumption under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L _{WA} , outdoor	Low-temperature application	Decided load profile	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating: annual energy consumption under average climate conditions	For water heating: annual energy consumption under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	Water heating energy efficiency under average climate conditions	For water heating: annual energy consumption under average climate conditions	Sound power level L _{WA} , indoor	Work only during off-peak hours	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	For space heating: annual energy consumption under colder climate conditions	For space heating: annual energy consumption under warmer climate conditions	For water heating: annual energy consumption under colder climate conditions	For water heating: annual energy consumption under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L _{WA} , outdoor				
PXZ-4F75VG	EHST17D-****D	✓	L	A+	A+	6	4335	936	113	117	41	-	-	5	6	5136	2244	1256	776	97	147	86	144	67	✓	L	A++	A+	A+	6	3212	936	154	117	41	-	5	7	3805	1800	1256	776	132	199	86	144	67				
	ERST17D-****D	✓	L	A+	A+	6	4335	936	113	117	41	-	-	5	6	5136	2244	1256	776	97	147	86	144	67	✓	L	A++	A+	A+	6	3212	936	154	117	41	-	5	7	3805	1800	1256	776	132	199	86	144	67				
	EHST20D-****D	✓	L	A+	A+	6	4335	922	113	124	41	-	-	5	6	5136	2244	1573	784	97	147	71	149	67	✓	L	A++	A+	A+	6	3212	922	154	124	41	-	5	7	3805	1800	1573	784	132	199	71	149	67				
	ERST20D-****D	✓	L	A+	A+	6	4335	922	113	124	41	-	-	5	6	5136	2244	1573	784	97	147	71	149	67	✓	L	A++	A+	A+	6	3212	922	154	124	41	-	5	7	3805	1800	1573	784	132	199	71	149	67				
	EHST30D-****D	✓	XL	A+	A	6	4335	1530	113	118	41	-	-	5	6	5136	2244	1835	1246	97	147	98	151	67	✓	XL	A++	A	A	6	3212	1530	154	118	41	-	5	7	3805	1800	1835	1246	132	199	98	151	67				
	ERST30D-****D	✓	XL	A+	A	6	4335	1530	113	118	41	-	-	5	6	5136	2244	1835	1246	97	147	98	151	67	✓	XL	A++	A	A	6	3212	1530	154	118	41	-	5	7	3805	1800	1835	1246	132	199	98	151	67				

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	η_s	113	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	5.4	kW	Tj = - 7 °C	COPd	1.57	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 2 °C	Pdh	3.6	kW	Tj = + 2 °C	COPd	3.04	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	2.3	kW	Tj = + 7 °C	COPd	3.96	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	1.5	kW	Tj = +12 °C	COPd	4.51	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	5.4	kW	Tj = bivalent temperature	COPd	1.57	-
Tj = operation limit temperature (****)	Pdh	4.5	kW	Tj = operation limit temperature (***)	COPd	1.33	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	1.6	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable		Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dB(A)			
Annual energy consumption	Q _{HE}	4335	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	118	%
Daily electricity consumption	Q _{elec}	6.950	kWh			
Annual electricity consumption	AEC	1530	kWh			

Contact details

MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD.

700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

The identification and signature of the person empowered to bind the supplier:



Tadashi SAITO
Manager, Quality Assurance Department
THAILAND

* Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

* Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

This information is based on EU regulation No 811/2013 and No 813/2013.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	ηs	154	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	5.4	kW	Tj = - 7 °C	COPd	2.44	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	3.3	kW	Tj = + 2 °C	COPd	4.08	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.2	kW	Tj = + 7 °C	COPd	5.07	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	1.6	kW	Tj = +12 °C	COPd	5.51	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	5.4	kW	Tj = bivalent temperature	COPd	2.44	-
Tj = operation limit temperature (***)	Pdh	5.0	kW	Tj = operation limit temperature (***)	COPd	2.31	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	1.1	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dBA				
Annual energy consumption	Q _{HE}	3212	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	118	%
Daily electricity consumption	Q _{elec}	6.950	kWh				
Annual electricity consumption	AEC	1530	kWh				

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(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0.9.

(***) If the declared TOL is lower than the T_{designh} of the considered climate then the outdoor dry bulb temperature T_j is equal to T_{designh}.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.2	kW	Seasonal space heating energy efficiency	η_s	97	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	3.2	kW	T _j = - 7 °C	COP _d	2.20	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = + 2 °C	COP _d	2.98	-
T _j = + 2 °C	P _{dh}	1.9	kW	T _j = + 7 °C	COP _d	4.33	-
Degradation co-efficient (**)	C _{dh}	0.98	-	T _j = +12 °C	COP _d	6.12	-
T _j = + 7 °C	P _{dh}	1.8	kW	T _j = bivalent temperature	COP _d	2.34	-
Degradation co-efficient (**)	C _{dh}	0.96	-	T _j = operation limit temperature (***)	COP _d	1.00	-
T _j = +12 °C	P _{dh}	1.5	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	1.00	-
Degradation co-efficient (**)	C _{dh}	0.94	-	Operation limit temperature	TOL	-20	°C
T _j = bivalent temperature	P _{dh}	3.2	kW	Heating water operating limit temperature	WTOL	55	°C
T _j = operation limit temperature (***)	P _{dh}	3.5	kW				
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	4.2	kW				
Bivalent temperature	T _{biv}	-7	°C				
Reference design conditions for space heating	T _{designh}	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	5.2	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dBA				
Annual energy consumption	Q _{HE}	5136	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.340	kWh				
Annual electricity consumption	AEC	1835	kWh				

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.2	kW	Seasonal space heating energy efficiency	ηs	132	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	3.2	kW	Tj = - 7 °C	COPd	3.15	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	3.90	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	1.8	kW	Tj = + 7 °C	COPd	5.25	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.7	kW	Tj = +12 °C	COPd	6.73	-
Degradation co-efficient (**)	Cdh	0.94	-				
Tj = bivalent temperature	Pdh	3.2	kW	Tj = bivalent temperature	COPd	3.30	-
Tj = operation limit temperature (***)	Pdh	4.0	kW	Tj = operation limit temperature (***)	COPd	1.69	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	4.2	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.18	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	5.2	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dBA				
Annual energy consumption	Q _{HE}	3805	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.340	kWh				
Annual electricity consumption	AEC	1835	kWh				

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- (**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0.9.
- (***) If the declared TOL is lower than the T_{designh} of the considered climate then the outdoor dry bulb temperature T_j is equal to T_{designh}.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.3	kW	Seasonal space heating energy efficiency	η_s	147	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 °C	COPd	1.94	-
Tj = + 2 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	3.21	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 °C	COPd	5.16	-
Tj = + 7 °C	Pdh	4.1	kW	Tj = bivalent temperature	COPd	1.94	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.94	-
Tj = +12 °C	Pdh	1.8	kW	Operation limit temperature	TOL	-20	°C
Degradation co-efficient (**)	Cdh	0.96	-	Heating water operating limit temperature	WTOL	55	°C
Tj = bivalent temperature	Pdh	6.3	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.3	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dBA				
Annual energy consumption	Q _{HE}	2244	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	151	%
Daily electricity consumption	Q _{elec}	5.660	kWh				
Annual electricity consumption	AEC	1246	kWh				

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.8	kW	Seasonal space heating energy efficiency	η_s	199	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 °C	COPd	2.80	-
Tj = + 2 °C	Pdh	6.8	kW	Tj = + 7 °C	COPd	4.72	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.40	-
Tj = + 7 °C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	2.80	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	2.80	-
Tj = +12 °C	Pdh	1.9	kW	Operation limit temperature	TOL	-20	°C
Degradation co-efficient (**)	Cdh	0.95	-	Heating water operating limit temperature	WTOL	55	°C
Tj = bivalent temperature	Pdh	6.8	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.8	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dBA				
Annual energy consumption	Q _{HE}	1800	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	151	%
Daily electricity consumption	Q _{elec}	5.660	kWh				
Annual electricity consumption	AEC	1246	kWh				

Contact details

MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD.

700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

The identification and signature of the person empowered to bind the supplier;

Tadashi SAITO
 Manager, Quality Assurance Department
 THAILAND

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

This information is based on EU regulation No 811/2013 and No 813/2013.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	η_s	113	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	5.4	kW	Tj = - 7 °C	COPd	1.57	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 °C	COPd	3.04	-
Tj = + 2 °C	Pdh	3.6	kW	Tj = + 7 °C	COPd	3.96	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	4.51	-
Tj = + 7 °C	Pdh	2.3	kW	Tj = bivalent temperature	COPd	1.57	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	1.33	-
Tj = +12 °C	Pdh	1.5	kW	Operation limit temperature	TOL	-20	°C
Degradation co-efficient (**)	Cdh	0.96	-	Heating water operating limit temperature	WTOL	55	°C
Tj = bivalent temperature	Pdh	5.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	4.5	kW	Rated heat output (*)	Psup	1.6	kW
Bivalent temperature	Tbiv	-7	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	°C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable		Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dB(A)			
Annual energy consumption	Q _{HE}	4335	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	118	%
Daily electricity consumption	Q _{elec}	6.950	kWh			
Annual electricity consumption	AEC	1530	kWh			

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	η_s	154	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	5.4	kW	Tj = - 7 °C	COPd	2.44	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	4.08	-
Tj = + 2 °C	Pdh	3.3	kW	Tj = + 7 °C	COPd	5.07	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	5.51	-
Tj = + 7 °C	Pdh	2.2	kW	Tj = bivalent temperature	COPd	2.44	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	2.31	-
Tj = +12 °C	Pdh	1.6	kW	Operation limit temperature	TOL	-20	°C
Degradation co-efficient (**)	Cdh	0.95	-	Heating water operating limit temperature	WTOL	55	°C
Tj = bivalent temperature	Pdh	5.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	5.0	kW	Rated heat output (*)	Psup	1.1	kW
Bivalent temperature	Tbiv	-7	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	°C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable		Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dB(A)			
Annual energy consumption	Q _{HE}	3212	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	118	%
Daily electricity consumption	Q _{elec}	6.950	kWh			
Annual electricity consumption	AEC	1530	kWh			

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.2	kW	Seasonal space heating energy efficiency	η_s	97	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	3.2	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	2.98	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	1.8	kW	Tj = + 7 °C	COPd	4.33	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.5	kW	Tj = +12 °C	COPd	6.12	-
Degradation co-efficient (**)	Cdh	0.94	-				
Tj = bivalent temperature	Pdh	3.2	kW	Tj = bivalent temperature	COPd	2.34	-
Tj = operation limit temperature (***)	Pdh	3.5	kW	Tj = operation limit temperature (***)	COPd	1.00	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	4.2	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.00	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	5.2	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable		Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dB(A)			
Annual energy consumption	Q _{HE}	5136	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	98	%
Daily electricity consumption	Q _{elec}	8.340	kWh			
Annual electricity consumption	AEC	1835	kWh			

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

This information is based on EU regulation No 811/2013 and No 813/2013.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.2	kW	Seasonal space heating energy efficiency	ηs	132	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	3.2	kW	Tj = - 7 °C	COPd	3.15	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.90	-
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 7 °C	COPd	5.25	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = +12 °C	COPd	6.73	-
Tj = + 7 °C	Pdh	1.8	kW	Tj = bivalent temperature	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.96	-	Tj = operation limit temperature (***)	COPd	1.69	-
Tj = +12 °C	Pdh	1.7	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.18	-
Degradation co-efficient (**)	Cdh	0.94	-	Operation limit temperature	TOL	-20	°C
Tj = bivalent temperature	Pdh	3.2	kW	Heating water operating limit temperature	WTOL	55	°C
Tj = operation limit temperature (***)	Pdh	4.0	kW	Supplementary heater			
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	4.2	kW	Rated heat output (*)	Psup	5.2	kW
Bivalent temperature	Tbiv	-7	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2562	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dBA				
Annual energy consumption	Q _{HE}	3805	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	98	%
Declared load profile	XL						
Daily electricity consumption	Q _{elec}	8.340	kWh				
Annual electricity consumption	AEC	1835	kWh				

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(**) If C_{dH} is not determined by measurement then the default degradation coefficient is C_{dH} = 0,9.

(***) If the declared TOL is lower than the T_{designh} of the considered climate then the outdoor dry bulb temperature T_j is equal to T_{designh}.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.3	kW	Seasonal space heating energy efficiency	ηs	147	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 °C	COPd	1.94	-
Tj = + 2 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	3.21	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 °C	COPd	5.16	-
Tj = + 7 °C	Pdh	4.1	kW	Tj = bivalent temperature	COPd	1.94	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.94	-
Tj = +12 °C	Pdh	1.8	kW	Operation limit temperature	TOL	-20	°C
Degradation co-efficient (**)	Cdh	0.96	-	Heating water operating limit temperature	WTOL	55	°C
Tj = bivalent temperature	Pdh	6.3	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.3	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2562	m ³ /h
Capacity control	variable						
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dB(A)				
Annual energy consumption	Q _{HE}	2244	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	151	%
Declared load profile	XL						
Daily electricity consumption	Q _{elec}	5.660	kWh				
Annual electricity consumption	AEC	1246	kWh				

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(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature T_j is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PXZ-4F75VG
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.8	kW	Seasonal space heating energy efficiency	η_s	199	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 °C	COPd	2.80	-
Tj = + 2 °C	Pdh	6.8	kW	Tj = + 7 °C	COPd	4.72	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.40	-
Tj = + 7 °C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	2.80	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	2.80	-
Tj = +12 °C	Pdh	1.9	kW	Operation limit temperature	TOL	-20	°C
Degradation co-efficient (**)	Cdh	0.95	-	Heating water operating limit temperature	WTOL	55	°C
Tj = bivalent temperature	Pdh	6.8	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.8	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable			Rated air flow rate, outdoors	-	2562	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 67	dB(A)				
Annual energy consumption	Q _{HE}	1800	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	151	%
Daily electricity consumption	Q _{elec}	5.660	kWh				
Annual electricity consumption	AEC	1246	kWh				

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Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.