PRODUCT PERFORMANCE RATING

Document ID 1795288764-f9-201b30b7

Issued on: 21 November 2026 - *Délivré le : 21 novembre 2026*

This product is certified by Eurovent Certita Certification as mentioned on:

Ce produit est certifié par Eurovent Certita Certification comme mentionné sur :

Certificate N° 17.02.279

This document is valid at the date of issue - Check the current validity on www.eurovent-certification.com

Ce document est valide à la date d'édition - Vérifiez la date de validité sur www.eurovent-certification.com

Certification programmes / *Programmes de certification*	Air conditioners
Product type / *Type de produit*	Air to air, split, reversible (≤ 12 kW)
Model name / *Nom du modèle*	FDC90VNP-W/FDUM100VH
Range / *Gamme*	VNP-W (AC1 single)
Participant / *Titulaire*	MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS Ltd
Brand / *Marque*	Mitsubishi Heavy Industries

This performance certificate is delivered for the following project

Project Name *Nom du projet*	Project company *Nom de la société*	Project location *Localisation du projet*
Web	A Plus Rehabilitación Energética SL	Spain

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FEATURE	VALUE	UNIT
Standard Cooling/Cooling PL Cond A		
Pc *(EN 14511:2022 Total Cooling Capacity at standard conditions / Part Load condition A @ 35°C)*	9	kW
EER *(EN 14511:2022 Energy Efficiency Ratio at standard conditions / Part Load condition A @ 35°C)*	3.44	
Pec *(Electric Power Input at standard conditions / Part Load condition A @ 35°C)*	2.62	kW
Standard Heating		
Ph *(EN 14511:2022 Total heating capacity at standard conditions @ +7°C Average Climate)*	9	kW
Peh *(Electric Power Input at standard conditions @ +7°C Average Climate)*	1.98	kW
COP *(EN 14511:2022 Coefficient of Performance at standard conditions @ +7°C Average Climate)*	4.55	
Seasonal Efficiency In Cooling		
Pdesignc *(Design Load in cooling mode)*	9	kW
SEER *(Seasonal Energy Effeciency Ratio)*	6.65	
SEER Class *(Seasonal Energy Efficiency Ratio Class)*	A++	
Qce *(Annual electricity consumption in cooling mode)*	474	kWh/annum
Cooling PL Cond B		
Pc PL CondB *(EN 14825:2022 Total Cooling Capacity Part Load condition B @ 30°C)*	6.6	kW
EER PL CondB *(EN 14825:2022 Energy Efficiency Ratio Part Load conditions B @ 30°C)*	5.04	
Cooling PL Cond C		
Pc PL CondC *(EN 14825:2022 Total Cooling Capacity Part Load condition C @ 25°C)*	4.25	kW
EER PL CondC *(EN 14825:2022 Energy Efficiency Ratio Part Load conditions C @ 25°C)*	7.59	
Cooling PL Cond D		
Pc PL CondD *(EN 14825:2022 Total Cooling Capacity Part Load condition D @ 20°C)*	2.3	kW
EER PL CondD *(EN 14825:2022 Energy Efficiency Ratio Part Load conditions D @ 20°C)*	14.2	
Seasonnal Coefficient Of Performance		
Pdesignh *(Design Load in heating mode Average Climate)*	6	kW
SCOP *(Seasonnal Coefficient of Performance Average Climate)*	4.22	
SCOP Class *(Seasonal Coefficient of Performance Class Average Climate)*	A+	

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FEATURE	VALUE	UNIT
Seasonnal Coefficient Of Performance		
Qhe *(Annual electricity consumption in heating mode)*	1990	kWh/annum
Heating PL Cond A		
Ph PL CondA *(EN 14825:2022 Total heating capacity Part Load condition A @ -7°C Average Climate)*	5.31	kW
COP PL CondA *(EN 14825:2022 Coefficient of Performances Part Load condition A @ -7°C Average Climate)*	3.16	
Heating PL Cond B		
Ph PL CondB *(EN 14825:2022 Total heating capacity Part Load condition B @ +2°C Average Climate)*	3.23	kW
COP PL CondB *(EN 14825:2022 Coefficient of Performances Part Load condition B @ +2°C Average Climate)*	4.09	
Heating PL Cond C		
Ph PL CondC *(EN 14825:2022 Total heating capacity Part Load condition C @ +7°C Average Climate)*	2.08	kW
COP PL CondC *(EN 14825:2022 Coefficient of Performances Part Load condition C @ +7°C Average Climate)*	5.25	
Heating PL Cond D		
Ph PL CondD *(EN 14825:2022 Total heating capacity Part Load condition D @ +12°C Average Climate)*	1.75	kW
COP PL CondD *(EN 14825:2022 Coefficient of Performances Part Load condition D @ +12°C Average Climate)*	5.93	
Heating PL Cond E TOL		
TOL *(Operating LimitTemperature)*	-15	°C
Ph PL CondE TOL *(EN 14825:2022 Total heating capacity Part Load condition E @ TOL Average Climate)*	5.5	kW
COP PL CondE TOL *(EN 14825:2022 Coefficient of Performances Part Load condition E @ TOL Average Climate)*	2.61	
Heating PL Cond F Tbivalent		
Tbiv *(Bivalent Temperature)*	-10	°C
Ph PL CondF Tbiv *(EN 14825:2022 Total heating capacity Part Load condition F @ TBiv Average Climate)*	6	kW
COP PL CondF Tbiv *(EN 14825:2022 Coefficient of Performances Part Load condition F @ Tbiv Average Climate)*	2.73	
Psbc		
Psbc *(Power consumption in standby mode in cooling mode)*	9	W
Poffc		
Poffc *(Power consumption in off mode in cooling mode)*	9	W
Ptoc		

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FEATURE	VALUE	UNIT
Ptoc		
Ptoc *(Power consumption in thermostat off mode in cooling mode)*	50	W
Pckc		
Pckc *(Power consumption of the crankcase heater in cooling mode)*	0	W
Psbh		
Psbh *(Power consumption in standby mode in heating mode)*	9	W
Poffh		
Poffh *(Power consumption in off mode in heating mode)*	9	W
Ptoh		
Ptoh *(Power consumption in thermostat off mode in heating mode)*	60	W
Pckh		
Pckh *(Power consumption of the crankcase heater in heating mode)*	0	W
Acoustic In Cooling		
LwO env *(EN 12102-1:2022 A-weighted sound power level outdoor unit (non ducted))*	67	dB(A)
LwI1 duct *(EN 12102-1:2022 A-weighted sound power level indoor unit 1 (ducted))*	65	dB(A)
LRcontmin In Heating		
LRcontminh *(Minimum continuous operation load ratio (Ph at Lrcontmin / Ph standard conditions) in heating mode)*	0.23	
CcpLRcontminh *(Minimum continuous operation load ratio (COP at Lrcontmin / COP standard conditions) in heating mode)*	1.15	
General		
IU Names *(Names of combinable Indoor units)*	FDUM100VH	
No. of IU *(Number of indoor units)*	1	
IU Range Names *(Range Names of combinable Indoor units)*	FDUM	
Mounting *(Mounting Type)*	Ducted	
Refrigerant	R32	
Factory Refrigerant Charge *(Factory refrigerant charge)*	1.7	kg
Refr. Line *(Refrigerant Line. If possible)*	5	m

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FEATURE	VALUE	UNIT
General		
Corresponding Pipe Length *(Corresponding Pipe Length of the factory charged refrigerant)*	15	m
Main Power Supply *(Voltage (V) - Phase - Frequency (Hz))*	230-1-50	
Capacity Control	Variable	
Eligible CEE		
Eligible CEE *(this item provide information if the unit is eligible to the certificat d'economie d'energie)*	true	

CERTIFICATE N° 17.02.279

Air Conditioners / Climatiseurs

Comfort Air Conditioners rated up to or equal to 12kW (AC1≤12 kW)/ *Climatiseurs plus petit ou égal à 12kW (AC1≤12 kW)*

Granted on February 16, 2017 - *Date 1ère admission 16 février 2017*

This document is valid at the date of issue - Check the current validity on:
Document valable à la date d'émission - Vérifier la validité en cours sur :
www.eurovent-certification.com

Participant/Titulaire

MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS Ltd
3-1 Asahi Nishi-biwajima-cho Kiyosu
452-8561 AICHI, Japan

This product performance certificate is issued by Eurovent Certita Certification according to the certification rules:

ECP AC - « Air Conditioners » in force at established date.

Pursuant to the decision notified by Eurovent Certita Certification, the right to use the mark ECP shall be granted to the beneficiary company for all products inside the defined scope according to "certify-all" principle and in the conditions defined by the certification program mentioned.

Unless withdrawn or suspended, this certificate remains valid as long as the requirements for the certification program framework are met. The validity of the certificate is to be verified on www.eurovent-certification.com

THIS CERTIFICATE HAS BEEN ISSUED ON 07/05/2026
THIS CERTIFICATE IS VALID UNTIL 31/07/2027

Ce certificat de performance produit est délivré par Eurovent Certita Certification dans les conditions fixées par le référentiel :

ECP AC – « Climatiseurs » en vigueur à date d'édition.

En vertu de la décision notifiée par Eurovent Certita Certification, le droit d'usage de la marque ECP, est accordé à la société qui en est bénéficiaire pour tous les produits entrant dans le champ d'application défini selon le principe "certify-all" et dans les conditions définies par le programme de certification mentionné.

Sauf retrait ou suspension, ce certificat demeure valide tant que les conditions du référentiel du programme de certification sont respectées. La validité du certificat est à vérifier sur le site Internet www.eurovent-certification.com

CE CERTIFICAT A ÉTÉ EMIS LE 07/05/2026
CE CERTIFICAT EST VALIDE JUSQU'AU 31/07/2027

Organisme accrédité n° **5-0517** Certification Produits et Services selon la norme NF EN ISO/CEI 17065:2012
Portée disponible sur www.cofrac.fr

Accredited body **#5-0517** Products and Services Certification according to NF EN ISO/IEC 17065:2012
Scope available on www.cofrac.fr

COFRAC est signataire des accords MLA d'EA. COFRAC is signatory of EA MLA. Signatories to the EA Multilateral Agreement available on: www.european-accreditation.org/ea-members/directory-of-ea-members-and-mla-signatories/

Paris, 7 mai 2026

MANAGING BOARD MEMBER / MEMBRE DIRECTOIRE

CERTIFICATE N° 17.02.279

Appendix / Annexe

Granted on February 16, 2017 - *Date 1ère admission 16 février 2017*

This document is valid at the date of issue - Check the current validity on:
Document valable à la date d'émission - Vérifier la validité en cours sur :
www.eurovent-certification.com

List of certified products and characteristics is displayed on:
La liste des références et caractéristiques certifiées est disponible sur le site :
www.eurovent-certification.com

This product performance certificate is valid for the following trade names:
Ce certificat de performance produit est valide pour les marques commerciales suivantes:
Trade Name / Marque Commerciale

Mitsubishi Heavy Industries

This product performance certificate is valid for the following manufacturing places:
Ce certificat de performance produit est valide pour les sites de production suivants:
Manufacturing Place / Site de Production

Not applicable for this certification programme / Non applicable pour ce programme de certification

This product performance certificate is valid for the following software:
Ce certificat de performance produt est valide pour les logiciels de sélection suivants:
Software / Logiciel de sélection

Not applicable for this certification programme / Non applicable pour ce programme de certification