

[1] Information sheet (Lot.21)

[2] This information includes the results of calculation of the seasonal energy consumption and efficiency for air conditioner in regards to ErP pursuant to the Commission Regulation(EU) 2016/2281.

Model information

Outdoor unit / Indoor unit	AJ*144LALBH / ARXN24GATH x5 + ARXN30GATH
Outdoor side heat exchanger of air conditioner	Air
Indoor side heat exchanger of air conditioner	Air
Compressor type / driver of compressor	Vapour compression / Electric motor

Cooling							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	250.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = + 35 \text{ °C}$	P_{dc}	45.00	kW	$T_j = + 35 \text{ °C}$	EER_d	3.46	—
$T_j = + 30 \text{ °C}$	P_{dc}	33.16	kW	$T_j = + 30 \text{ °C}$	EER_d	5.20	—
$T_j = + 25 \text{ °C}$	P_{dc}	21.32	kW	$T_j = + 25 \text{ °C}$	EER_d	7.66	—
$T_j = + 20 \text{ °C}$	P_{dc}	13.86	kW	$T_j = + 20 \text{ °C}$	EER_d	9.05	—
Degradation co-efficient for air conditioners	C_{dc}	0.25	—	—	—	—	—
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.019	kW	Crankcase heater mode	P_{CK}	0.038	kW
Thermostat-off mode	P_{TO}	0.038	kW	Standby mode	P_{SB}	0.019	kW

Heating							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	50.0	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	159.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance for part load at given outdoor temperatures T_j			
$T_j = - 7 \text{ °C}$	P_{dh}	28.40	kW	$T_j = - 7 \text{ °C}$	COP_d	2.55	—
$T_j = + 2 \text{ °C}$	P_{dh}	17.28	kW	$T_j = + 2 \text{ °C}$	COP_d	3.55	—
$T_j = + 7 \text{ °C}$	P_{dh}	11.11	kW	$T_j = + 7 \text{ °C}$	COP_d	6.90	—
$T_j = + 12 \text{ °C}$	P_{dh}	9.11	kW	$T_j = + 12 \text{ °C}$	COP_d	7.08	—
T_{biv} = bivalent temperature	P_{dh}	28.40	kW	T_{biv} = bivalent temperature	COP_d	2.55	—
T_{OL} = operation limit	P_{dh}	18.27	kW	T_{OL} = operation limit	COP_d	1.81	—
Bivalent temperature	T_{biv}	-7	°C	—	—	—	—
Degradation co-efficient heat pumps	C_{dh}	0.25	—	—	—	—	—
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.019	kW	Back-up heating capacity	el_{bu}	6.04	kW
Thermostat-off mode	P_{TO}	0.066	kW	Type of energy input	Electricity		
Crankcase heater mode	P_{CK}	0.050	kW	Standby mode	P_{SB}	0.019	kW

Other items							
Capacity control		Variable		GWP of the refrigerant		2088	kg CO ₂ eq (100 years)
Sound power level (Indoor unit / Outdoor unit)	Cooling	L_{WA}	76.0 / 83.0	Air flow rate, outdoor measured	Cooling	13700	m³/h
	Heating	L_{WA}	78.0 / 86.0		Heating	13700	m³/h
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* Please refer to the last page for translation to other languages.



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English [En]	Information sheet (Lot.21) This information includes the results of calculation of the seasonal energy consumption and efficiency for air conditioner in regards to ErP pursuant to the Commission Regulation(EU) 2016/2281.
German [De]	Informationsblatt (Los.21) Diese Informationen enthalten die Ergebnisse der Berechnung des saisonalen Energieverbrauchs und der Effizienz der Klimaanlage in Bezug auf ErP gemäß der Verordnung der Kommission (EU) 2016/2281.
French [Fr]	Fiche d'information (Lot.21) Ces informations incluent les résultats des calculs de consommation d'énergie et d'efficacité saisonnière du climatiseur concernant l'ErP conformément au règlement de la Commission (UE) 2016/2281.
Spanish [Es]	Hoja informativa (Lot.21) Esta información incluye los resultados del cálculo del consumo y eficiencia energéticos estacionales para el aire acondicionado, en relación con la normativa ErP y de conformidad con el Reglamento de la Comisión (UE) 2016/2281.
Italian [It]	Foglietto informativo (Lotto.21) Queste informazioni comprendono i risultati del calcolo del consumo energetico stagionale del condizionatore con riferimento al ErP in conformità alla normativa europea (EU) 2016/2281.
Greek [El]	Φύλλο πληροφοριών (Παρίδα.21) Αυτές οι πληροφορίες περιλαμβάνουν τα αποτελέσματα του υπολογισμού της εποχιακής κατανάλωσης ενέργειας και αποδοτικότητας για το κλιματιστικό αναφορικά με συσκευές ErP (προϊόντα σχετιζόμενα με την ενέργεια), σύμφωνα με τον Κανονισμό της Επιτροπής (ΕΕ) 2016/2281.
Portuguese [Pt]	Folha de informações (Lot.21) Estas informações incluem os resultados do cálculo do consumo de energia e da eficiência sazonal do aparelho de ar condicionado no que diz respeito à ErP nos termos do Regulamento (UE) 2016/2281 da Comissão.
Bulgarian [Bg]	Информационен лист (Lot.21) Този документ съдържа резултатите от направените изчисления за сезонна енергийна консумация и ефективност на климатика като продукт, свързан с енергопотреблението, в съответствие с Регламент (ЕС) 2016/2281 на Комисията.
Croatian [Hr]	List s informacijama (serija.21) Ove informacije obuhvaćaju rezultate izračuna sezonske potrošnje energije i učinkovitosti klima-uređaja glede ErP u skladu s uredbom Komisije (EU) 2016/2281.
Czech [Cs]	Informační list (položka.21) Tyto informace zahrnují výsledky výpočtů sezonní spotřeby energie a energetické efektivity klimatizace s ohledem na ErP na základě nařízení Komise (EU) 2016/2281.
Danish [Da]	Informationsblad (Lot.21) Disse informationer omfatter resultaterne af beregningen af det sæsonmæssige energiforbrug og effektiviteten af klimaanlæg vedrørende ErP i henhold til Kommissionsforordning (EU) 2016/2281.
Dutch [Nl]	Informatieblad (batch.21) Deze informatie omvat de resultaten van de berekening van de seizoensgebonden energieverbruik en efficiëntie voor de airconditioner met betrekking tot ErP gebaseerd op de verordening van de Commissie(EU) 2016/2281.
Estonian [Et]	Teabeleht (Partii.21) Teave sisaldab õhukonditsioneeride hooajalise energiatarbimise ja tõhususe arvutamise tulemusi seoses komisjoni määrusele (EL) 2016/2281 vastava ErP-direktiiviga.
Finnish [Fi]	Tietolomake (osa.21) Nämä tiedot sisältävät kausittaisen energiankulutuslaskelmien tulokset ja ilmastointilaitteen tehokkuuden ErP:n suhteen komission asetuksen (EU) 2016/2281 mukaisesti.
Hungarian [Hu]	Tájékoztató lap (Lot.21) Ez a tájékoztató lap a légkondicionáló szezonális energiafogyasztásának számítását tartalmazza az Európai Bizottság (EU) 2016/2281 ErP direktívájának megfelelően.
Latvian [Lv]	Informācijas lapa (21.kategorija) Šajā informācijā ir iekļauti aprēķina rezultāti par gaisa kondicioniera sezonas energopatēriņu un energoefektivitāti saistībā ar prasībām ar enerģiju saistītiem ražojumiem atbilstoši Komisijas regulai (ES) 2016/2281.
Lithuanian [Lt]	Informacinis lapas (Lot.21) Šiame informaciniame lape pateikti sezoninio oro kondicionieriaus energijos suvartojimo ir efektyvumo skaičiavimų rezultatai kaip to reikalaujama Komisijos reglamento (EB) 2016/2281 ErP direktyvoje.
Norwegian [No]	Informasjonsark (Lot.21) Denne informasjonen inkluderer resultatene fra beregningen av sesongbetinget energiforbruk og effektivitet for klimaanlegg i forhold til ErP i henhold til Kommisjonens forordning (EU) 2016/2281.
Polish [Pl]	Arkusz informacji (Lot.21) Niniejsze informacje obejmują obliczenia sezonowego zużycia energii elektrycznej i wydajności dla klimatyzatora w odniesieniu do dyrektywy ErP zgodnie z rozporządzeniem Komisji (UE) 2016/2281.
Romanian [Ro]	Fișă informativă (Lot.21) Aceste informații includ rezultatele calculării consumului sezonier de energie și eficienței pentru aparatul de aer condiționat, în materie de produse cu impact energetic conforme cu Regulamentul (UE) 2016/2281 al Comisiei.
Slovak [Sk]	Informačný list (položka.21) Tieto informácie zahŕňajú výsledky výpočtov sezónnej spotreby energie a energetickej efektívnosti klimatizácie s ohľadom na ErP podľa nariadenia Komisie (EU) 2016/2281.
Slovenian [Sl]	Informativni list (serija.21) Te informacije vključujejo rezultate izračuna letne porabe energije in učinkovitosti klimatske naprave glede na ErP, skladno z uredbo Komisije (EU) 2016/2281.
Swedish [Sv]	Informationsblad (parti.21) Denna information innehåller resultaten av beräkningen av den säsongsmässiga energiförbrukningen och -effektiviteten för luftkonditioneringsapparaten avseende ERP i enlighet med kommissionens förordning (EU) nr 2016/2281.