



NOTICE OF AUTHORIZATION TO APPLY UL LEAF MARK

2025-10-28

Project: 4791971980 P.O. Number: N/A
Product Category: Portable Dehumidifiers
Model Name: Dehumidifiers
Model Number: KSTAD354G, KSTAD504G, KSTAD506PG
Regulation/Standard: 10 CFR 430, Subpart B, Appendix X1- July 26, 2023
California Energy Commission - Title 20, Division 2, Chapter 4, Article 4,
Section 1601-1609 Appliance Efficiency Regulation – Effective Date 1976
NRCAN Energy Efficiency Regulation Dehumidifiers

Dear Madam or Sir:

Any information and documentation involving the UL Leaf Mark are provided on behalf of UL Verification Services Inc. or any authorized licensee of UL Verification Services Inc.

UL's Energy Efficiency investigation of your product has been completed under the above project number and the subject product was determined to comply with the applicable requirements.

This authorization is effective from the date of this notice and serves as an authorization to apply the UL Leaf Energy Verified Mark.

Products that bear the UL Leaf Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction will be implemented that could potentially alter the energy consumption of these products, these must be reported to UL for review of conformance with UL's requirements and continued use of the UL Leaf Mark. If changes in construction are otherwise discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Leaf Mark may be withdrawn.

Thank you for your business, and we hope UL will continue to be your Energy Efficiency partner.

Sincerely,

Reviewed by:

Christine Chen

Dan Gutierrez

Christine Chen
Senior Delivery Analyst, Energy Efficiency

Dan Gutierrez
Operations Manager, Consumer, Medical &
Information Technologies

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NOTICE OF COMPLIANCE

2025-10-28

Project: 4791971980 P.O. Number: N/A
Product Category: Portable Dehumidifiers
Model Name: Dehumidifiers
Model Number: KSTAD354G, KSTAD504G, KSTAD506PG

Dear Madam or Sir:

The Energy Efficiency investigation of your product has been completed under the above project number and the subject product was determined to comply with the following ENERGY STAR® Program Requirements:

ENERGY STAR Program Requirements Product Specification for Dehumidifiers, Version 6.0

Products that bear the ENERGY STAR® mark shall be identical to those that were evaluated by UL and found to comply with ENERGY STAR® requirements. If changes in construction will be implemented that could potentially alter the energy consumption of these products, these must be reported to UL for review.

Thank you for your business, and we hope UL will continue to be your ENERGY STAR® partner of choice.

Sincerely,

Reviewed by:

Christine Chen

Dan Gutierrez

Christine Chen
Senior Delivery Analyst, Energy Efficiency

Dan Gutierrez
Operations Manager, Consumer, Medical &
Information Technologies

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E-mail: Christine.Chen@ul.com

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ENERGY EFFICIENCY CERTIFICATION (EEC): Test Report - Cover Page

Product Name / Type:	Dehumidifiers
Product Category:	Portable Dehumidifiers
Brand Name(s):	Keystone
Model Name(s):	Dehumidifiers
Model Number(s):	KSTAD354G, KSTAD504G, KSTAD506PG
Representative (tested) Model:	MDUDP-35AEN8-BB0, MDUDP-50AEN8-BB0B
Model Differences:	Refer to last page for details

The sample(s) tested is(are) compliant with the following applied standards/regulations:
ENERGY STAR®: ENERGY STAR Program Requirements Product Specification for Dehumidifiers, Version 6.0
US DOE: 10 CFR 430, Subpart B, Appendix X1- July 26, 2023
CEC: California Energy Commission - Title 20, Division 2, Chapter 4, Article 4, Section 1601-1609 Appliance Efficiency Regulation – Effective Date 1976
NRCan: NRCan Energy Efficiency Regulation Dehumidifiers
Other (Specify): N/A
Other (Specify): N/A

Test Location Name:	GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD		
Test Location Address:	Lingang Rd, Beijiao Shunde Foshan, Guangdong, 528311, China		
Testing Performed Under:			
<input type="checkbox"/> UL Lab	<input checked="" type="checkbox"/> Private Label	<input type="checkbox"/> WTDP / WMTL	<input checked="" type="checkbox"/> CTDP / SMTL
<input type="checkbox"/> TPTDP	<input type="checkbox"/> EPA 3 rd Party	<input type="checkbox"/> CEC Approved Test Lab	<input type="checkbox"/> Other

UL Project No.:	4791971980	Reviewer:	Ben Gu
Evaluator:	Jacob Li	Certifier:	Christine Chen
Issued:	2025-10-28	Revised:	N/A
(yyyy-mm-dd)		(yyyy-mm-dd)	

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Annex (Cont'd)					
Model Number	Regulatory Body	Test Method, Regulation or Program Evaluated to	Tests to Determine Compliance	Test Limit per Regulation or Program Requirement	Measured Efficiency or Limit Level
KSTAD354G	EPA	ENERGY STAR Program Requirements Product Specification for Dehumidifiers, Version 6.0	Capacity and Integrated energy factor test	Product Capacity (pints/day) 25.01 to 50.00 IEF \geq 2.01 L/kwh	IEF: 2.04 L/kWh *IAEC: 387.73 kWh/year
	DOE	10 CFR 430, Subpart B, Appendix X1		Product capacity (pints/day) 25.01 to 50.00 IEF \geq 1.60 L/kwh	
	CEC	California Energy Commission - Title 20, Division 2, Chapter 4, Article 4, Section 1601-1609 Appliance Efficiency Regulation – Effective Date 1976		Product capacity (pints/day) 25.01 to 50.00 IEF \geq 1.60 L/kwh	
	NRCan	NRCan Energy Efficiency Regulation Dehumidifiers		Product capacity (pints/day) 25.01 to 50.00 IEF \geq 1.60 L/kwh	
KSTAD504G KSTAD506PG	EPA	ENERGY STAR Program Requirements Product Specification for Dehumidifiers, Version 6.0	Capacity and Integrated energy factor test	Product Capacity (pints/day) 25.01 to 50.00 IEF \geq 2.01 L/kwh	IEF: 2.04 L/kWh *IAEC: 524.58 kWh/year
	DOE	10 CFR 430, Subpart B, Appendix X1		Product capacity (pints/day) 25.01 to 50.00 IEF \geq 1.60 L/kwh	
	CEC	California Energy Commission - Title 20, Division 2, Chapter 4, Article 4, Section 1601-1609 Appliance Efficiency Regulation – Effective Date 1976		Product capacity (pints/day) 25.01 to 50.00 IEF \geq 1.60 L/kwh	
	NRCan	NRCan Energy Efficiency Regulation Dehumidifiers		Product capacity (pints/day) 25.01 to 50.00 IEF \geq 1.60 L/kwh	
Additional Information: N/A					
Note: 1. “*” - No limit specified for IAEC up to the date of issuance of this cover page; 2. The results of Models KSTAD354G were obtained from tested Model MDUDP-35AEN8-BB0 which was certified in Project #4791753970R1 3. The results of Models KSTAD504G and KSTAD506PG were respectively obtained from tested Model MDUDP-50AEN8-BB0B which was certified in Project #4791753970R1					
Project History: N/A					

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ATTACHMENT(S)

See the following photos for construction details:



KSTAD354G, KSTAD504G, KSTAD506PG

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ATTACHMENT(S) (Cont'd)

See the following nameplates for electrical ratings:

DEHUMIDIFIER DÉSHUMIDIFICATEUR			
MODEL/MODÈLE POWER SOURCE TENSION	KSTAD354G 115V- 60Hz, 1Ph	IEF/FEMI DESIGN PRESSURE PRESSION DE CALCUL	2.01L/kWh HIGH/HAUT 540PSIG/3.7MPa LOW/BAS 300PSIG/2.1MPa
RATED CURRENT COURANT NOMINAL	6.5A	MAXIMUM ALLOWABLE PRESSURE/PRESSION MAXIMALE ADMISSIBLE	HIGH/HAUT 800PSIG/5.5MPa LOW/BAS 400PSIG/2.8MPa
REFRIGERANT RÉFRIGÉRANT	R32/5.11oz/0.145kg	A2L Energy Verified Rendement Énergétique Vérifié	
MOISTURE REMOVAL CAPACITÉ DE DÉSHUMIDIFICATION	36.71PINTS/DAY		
	DEHUMIDIFIER DÉSHUMIDIFICATEUR 3GA6 MADE IN CHINA FABRIQUÉ EN CHINE	UL FILE NUMBER/NUMÉRO DE FICHIER: SA33545 (66PN)	
	DATE MANUFACTURED/DATE DE FABRICATION: 10/2020		
<p>WARNING: A DAMAGED POWER SUPPLY CORD MUST BE REPLACED WITH A NEW POWER SUPPLY CORD OBTAINED FROM THE PRODUCT MANUFACTURER. THE DAMAGED POWER SUPPLY CORD CAN NOT BE REPAIRED.</p> <p>AVERTISSEMENT: UN CORDON D'ALIMENTATION ENDOMMAGÉ DOIT ÊTRE REMPLACÉ PAR UN NOUVEAU CORDON OBTENU AUPRES DU FABRICANT DU PRODUIT. LE CORDON D'ALIMENTATION ENDOMMAGÉ NE PEUT PAS ÊTRE RÉPARÉ.</p> <p>MINIMUM ROOM AREA (OPERATING OR STORAGE) 43ft² (4m²).</p> <p>MINIMALE DE LA PIÈCE (EXPLOITATION OU STOCKAGE) 43ft² (4m²).</p>			

KSTAD354G

DEHUMIDIFIER DÉSHUMIDIFICATEUR			
MODEL/MODÈLE POWER SOURCE TENSION	KSTAD504G 115V- 60Hz, 1Ph	IEF/FEMI DESIGN PRESSURE PRESSION DE CALCUL	2.01L/kWh HIGH/HAUT 540PSIG/3.7MPa LOW/BAS 300PSIG/2.1MPa
RATED CURRENT COURANT NOMINAL	8.5A	MAXIMUM ALLOWABLE PRESSURE/PRESSION MAXIMALE ADMISSIBLE	HIGH/HAUT 800PSIG/5.5MPa LOW/BAS 400PSIG/2.8MPa
REFRIGERANT RÉFRIGÉRANT	R32/5.47oz/0.155kg	A2L Energy Verified Rendement Énergétique Vérifié	
MOISTURE REMOVAL CAPACITÉ DE DÉSHUMIDIFICATION	49.74PINTS/DAY		
	DEHUMIDIFIER DÉSHUMIDIFICATEUR 3GA6 MADE IN CHINA FABRIQUÉ EN CHINE	UL FILE NUMBER/NUMÉRO DE FICHIER: SA33545 (66PN)	
	DATE MANUFACTURED/DATE DE FABRICATION: 10/2020		
<p>WARNING: A DAMAGED POWER SUPPLY CORD MUST BE REPLACED WITH A NEW POWER SUPPLY CORD OBTAINED FROM THE PRODUCT MANUFACTURER. THE DAMAGED POWER SUPPLY CORD CAN NOT BE REPAIRED.</p> <p>AVERTISSEMENT: UN CORDON D'ALIMENTATION ENDOMMAGÉ DOIT ÊTRE REMPLACÉ PAR UN NOUVEAU CORDON OBTENU AUPRES DU FABRICANT DU PRODUIT. LE CORDON D'ALIMENTATION ENDOMMAGÉ NE PEUT PAS ÊTRE RÉPARÉ.</p> <p>MINIMUM ROOM AREA (OPERATING OR STORAGE) 43ft² (4m²).</p> <p>MINIMALE DE LA PIÈCE (EXPLOITATION OU STOCKAGE) 43ft² (4m²).</p>			

KSTAD504G

DEHUMIDIFIER DÉSHUMIDIFICATEUR			
MODEL/MODÈLE POWER SOURCE TENSION	KSTAD506PG 115V- 60Hz, 1Ph	IEF/FEMI DESIGN PRESSURE PRESSION DE CALCUL	2.01L/kWh HIGH/HAUT 540PSIG/3.7MPa LOW/BAS 300PSIG/2.1MPa
RATED CURRENT COURANT NOMINAL	8.5A	MAXIMUM ALLOWABLE PRESSURE/PRESSION MAXIMALE ADMISSIBLE	HIGH/HAUT 800PSIG/5.5MPa LOW/BAS 400PSIG/2.8MPa
REFRIGERANT RÉFRIGÉRANT	R32/5.47oz/0.155kg	A2L Energy Verified Rendement Énergétique Vérifié	
MOISTURE REMOVAL CAPACITÉ DE DÉSHUMIDIFICATION	49.74PINTS/DAY		
	DEHUMIDIFIER DÉSHUMIDIFICATEUR 3GA6 MADE IN CHINA FABRIQUÉ EN CHINE	UL FILE NUMBER/NUMÉRO DE FICHIER: SA33545 (66PN)	
	DATE MANUFACTURED/DATE DE FABRICATION: 10/2020		
<p>WARNING: A DAMAGED POWER SUPPLY CORD MUST BE REPLACED WITH A NEW POWER SUPPLY CORD OBTAINED FROM THE PRODUCT MANUFACTURER. THE DAMAGED POWER SUPPLY CORD CAN NOT BE REPAIRED.</p> <p>AVERTISSEMENT: UN CORDON D'ALIMENTATION ENDOMMAGÉ DOIT ÊTRE REMPLACÉ PAR UN NOUVEAU CORDON OBTENU AUPRES DU FABRICANT DU PRODUIT. LE CORDON D'ALIMENTATION ENDOMMAGÉ NE PEUT PAS ÊTRE RÉPARÉ.</p> <p>MINIMUM ROOM AREA (OPERATING OR STORAGE) 43ft² (4m²).</p> <p>MINIMALE DE LA PIÈCE (EXPLOITATION OU STOCKAGE) 43ft² (4m²).</p>			

KSTAD506PG

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ATTACHMENT(S)

Model Difference:

Tested Model		Listed Model		Model Difference
Brand Name	Model Number	Brand Name	Model Number	
Midea	MDUDP-35AEN8-BB0	Keystone	KSTAD354G	Brand name and Model designation
	MDUDP-50AEN8-BB0B		KSTAD504G	
			KSTAD506PG	

END

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