

Titulaire du certificat	GD Midea Heating & Ventilating Equipment Co., Ltd.
Adresse	Penglai Industry Road
Code postal	528311
Ville	Beijiao, Shunde, Foshan
Pays	CN
Organisme de certification	ICIM S.p.A.
Nom sous-type	M thermal N series 12 14 16 kW
Numéro d'enregistrement	ICIM-PDC-000226
Type de pompe à chaleur	Air extérieur/Eau
Fluide frigorigène	R290
Masse de fluide frigorigène	1.1 kg
date de certifcation	19.03.2024
Normes d'essais	V12



Model MHC-V12WD2N7-B***		
Nom du modèle	MHC-V12WD2N7-B***	
Demande	Chauffage (moyenne température)	
Unités	Extérieure	
zone climatique (mode chauffage)	Plus froid, Plus chaud	
application mode refroidissement (optionnelle)	s/o	
Autres sources de chaleur	s/o	
Données générales		
Alimentation électrique	1x230V 50Hz	
Fonctionnement heures creuses	n/a	
Air extérieur/Eau		
EN 14511-4   Chauffage		
Starting and operating test	réussi	
Coupure des débits des fluides	réussi	
ବୌଦ୍ଧ <b>ନ</b> ୍ଦ୍ର ଜନ୍ମ ବ୍ୟୁ ମଧ୍ୟ ନ୍ତ୍ର ଜନ୍ମ ବ୍ୟୁ ମଧ୍ୟ ନ୍ତ୍ର ଜନ୍ମ କ୍ରୟ ନ୍ତ୍ର ଜନ୍ମ କ୍ରୟ ନ୍ତ୍ର ଜନ୍ମ କ୍ରୟ କ୍ରୟ କ୍ରୟ କ୍ରୟ କ୍ରୟ କ୍ରୟ କ୍ରୟ କ୍ରୟ	réussi	
électrique		
Dégivrage	réussi	
EN 14511-2   Chauffage		
	Basse température	Moyenne température
COP	4.95	3.25
Puissance thermique	12.1 kW	11.9 kW
Puissance électrique absorbée	2.44 kW	3.66 kW
EN 12102-1   Climat moyen		
	Basse température	Moyenne température
Puissance acoustique extérieure	55 dB(A)	55 dB(A)
EN 14825   Climat moyen		
Liv 14025   Climat moyen	Basse température	Moyenne température
ηs	194 %	155 %
Prated	12.1 kW	12.1 kW
SCOP	4.93	3.95
Tbiv	-7 °C	-7 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	10.70 kW	10.70 kW
$COP Tj = -7^{\circ}C$	2.89	2.52
Cdh Tj = $-7$ °C	1.00	1.00
Pdh Tj = $+2$ °C	6.51 kW	6.74 kW
$COP Tj = +2^{\circ}C$	4.71	3.83
Cdh Tj = $+2$ °C	0.99	0.99
Pdh Tj = $+7$ °C	5.46 kW	5.32 kW



$COP Tj = +7^{\circ}C$	7.04	5.25
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	6.30 kW	5.94 kW
COP Tj = 12°C	8.64	6.46
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.70 kW	10.70 kW
COP Tj = Tbiv	2.89	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.72 kW	11.27 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	2.01
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
ឬក់ម៉ូ៖#Rage d'appoint: PSUP	0.38 kW	0.83 kW
Consommation annuelle d'électricité QHE	5064 kWh	6312 kWh
EN 12102-1   Climat plus froid		
	Basse température	Moyenne température
Puissance acoustique extérieure	55 dB(A)	55 dB(A)
EN 14825   Climat plus froid		
EN 14825   Climat plus froid	Basse température	Moyenne température
EN 14825   Climat plus froid ηs	Basse température 178 %	Moyenne température 139 %
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ης	178 %	139 %
ηs Prated	178 % 12.2 kW	139 % 12.0 kW
ηs Prated SCOP	178 % 12.2 kW 4.53	139 % 12.0 kW 3.55
ηs Prated SCOP Tbiv	178 % 12.2 kW 4.53 -15.00 °C	139 % 12.0 kW 3.55 -15.00 °C
ηs Prated SCOP Tbiv TOL	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C Cdh Tj = +7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Cdh Tj = +7°C Pdh Tj = 12°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Pdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = 12°C COP Tj = 12°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98 6.30 kW 8.55	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98 5.94 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Cdh Tj = 12°C Cdh Tj = +12°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98 6.30 kW 8.55 0.98	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98 5.94 kW 6.97 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = 12°C COP Tj = 12°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98 6.30 kW 8.55	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98 5.94 kW



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.33 kW	8.69 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.14	1.72
WTOL	66.00 °C	66.00 °C
Poff	11.00 W	11.00 W
PTO	16 W	16 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Pdh Tj = -15°C (if TOL	9.95	9.79
$COP Tj = -15^{\circ}C (if TOL)$	2.65	2.17
Cdh Tj = -15 °C	1	1
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
Ctili្ស <b>éf</b> age d'appoint: PSUP	2.87 kW	3.31 kW
Consommation annuelle d'électricité QHE	6637.00 kWh	8299.00 kWh
EN 12102-1   Climat plus chaud		
	Basse température	Moyenne température
Puissance acoustique extérieure	55 dB(A)	55 dB(A)
4		
EN 14825   Climat plus chaud		
	Basse température	Moyenne température
ης	269.00 %	192.00 %
Prated	12.1 kW	12.1 kW
SCOP	6.80	4.88
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = $+2^{\circ}$ C	11.96 kW	11.90 kW
$COP Tj = +2^{\circ}C$	3.59	2.59
Cdh Tj = $+2$ °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	7.78 kW	7.78 kW
$COP Tj = +7^{\circ}C$	6.03	4.18
Cdh Tj = +7 °C	0.99	0.99
$Pdh Tj = 12^{\circ}C$	6.34 kW	6.13 kW
COP Tj = 12°C	8.67	6.43
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	7.78 kW	7.78 kW
COP Tj = Tbiv	6.03	4.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL	11.96 kW	11.90 kW
< Tdesignh	2.50	2.50
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.59	2.59
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11 W	11 W
PCK	0.00 W	0.00 W



Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
៥រ៉ាម៉ូឡាមិន d'appoint: PSUP	0.14 kW	0.20 kW
Consommation annuelle d'électricité QHE	2377.00 kWh	3304.00 kWh



Model MHC-V14WD2N7-B***			
Nom du modèle	MHC-V14WD2N7-B***		
Demande	Chauffage (moyenne température)		
Unités	Extérieure	Extérieure	
zone climatique (mode chauffage)	Plus froid, Plus chaud		
application mode refroidissement (optionnelle)	s/o		
Autres sources de chaleur	s/o		
Données générales			
Alimentation électrique	1x230V 50Hz		
Fonctionnement heures creuses	n/a		
Air extérieur/Eau			
EN 14511-4   Chauffage			
Starting and operating test	réussi		
Coupure des débits des fluides	réussi		
Coluportectomplète de l'alimentation	réussi		
électrique			
Dégivrage	réussi		
EN 14511-2   Chauffage			
	Basse température	Moyenne température	
COP	4.70	3.15	
Puissance thermique	14.0 kW	13.8 kW	
Puissance électrique absorbée	2.98 kW	4.38 kW	
EN 12102-1   Climat moyen			
	Basse température	Moyenne température	
Puissance acoustique extérieure	57 dB(A)	57 dB(A)	
EN 14825   Climat moyen			
	Basse température	Moyenne température	
ης	187 %	151 %	
Prated	14.1 kW	13.8 kW	
SCOP	4.75	3.85	
Tbiv	-7 °C	-7 °C	
TOL	-10.00 °C	-10.00 °C	
Pdh Tj = -7°C	12.47 kW	12.21 kW	
$COP Tj = -7^{\circ}C$	2.63	2.23	
Cdh Tj = -7 °C	1.00	1.00	
Pdh Tj = $+2^{\circ}$ C	7.60 kW	7.51 kW	
$COP Tj = +2^{\circ}C$	4.52	3.71	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.49 kW	5.15 kW	
<u> </u>			



$COP Tj = +7^{\circ}C$	7.16	5.39
Cdh Tj = $+7$ °C	0.98	0.98
Pdh Tj = 12°C	6.30 kW	6.13 kW
COP Tj = 12°C	8.66	6.84
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	12.47 kW	12.21 kW
COP Tj = Tbiv	2.63	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.63 kW	12.25 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.97
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
ប្រាំម៉ូន្ត <del>ខែនិត្</del> នe d'appoint: PSUP	1.47 kW	1.55 kW
Consommation annuelle d'électricité QHE	6118 kWh	7405 kWh
EN 12102-1   Climat plus froid	Rassa tampáratura	Movenne température
Duigospas acquatique outérioure	Basse température	Moyenne température 57 dB(A)
Puissance acoustique extérieure	57 dB(A)	37 UB(A)
EN 14825   Climat plus froid		
EN 14825   Climat plus froid	Basse température	Moyenne température
EN 14825   Climat plus froid ηs	Basse température 175 %	Moyenne température 138 %
	•	
ης	175 %	138 %
ηs Prated	175 % 14.2 kW	138 % 13.2 kW
ηs Prated SCOP	175 % 14.2 kW 4.45	138 % 13.2 kW 3.53
ηs Prated SCOP Tbiv	175 % 14.2 kW 4.45 -15.00 °C	138 % 13.2 kW 3.53 -15.00 °C
ηs Prated SCOP Tbiv TOL	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW 4.40
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW 4.40 0.99
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW	138 %  13.2 kW  3.53  -15.00 °C  -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW 4.40 0.99 5.39 kW 5.71
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C Cdh Tj = +7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98	138 %  13.2 kW  3.53 -15.00 °C -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Cdh Tj = +7°C Pdh Tj = 12°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98 6.22 kW	138 %  13.2 kW  3.53 -15.00 °C -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98  5.95 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Pdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = 12°C COP Tj = 12°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98 6.22 kW 8.53	138 %  13.2 kW  3.53 -15.00 °C -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98  5.95 kW  7.03
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Cdh Tj = +7°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98 6.22 kW 8.53 0.98	138 %  13.2 kW  3.53  -15.00 °C  -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98  5.95 kW  7.03  0.98



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.04 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00	1.64
WTOL	66.00 °C	66.00 °C
Poff	11.00 W	11.00 W
PTO	16 W	16 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Pdh Tj = $-15$ °C (if TOL	11.58	10.77
COP Tj = $-15$ °C (if TOL	2.58	2.12
Cdh Tj = -15 °C	1	1
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
Ctilisर्#fage d'appoint: PSUP	4.15 kW	3.90 kW
Consommation annuelle d'électricité QHE	7868.00 kWh	9186.00 kWh
EN 12102-1   Climat plus chaud		
	Basse température	Moyenne température
Puissance acoustique extérieure	57 dB(A)	57 dB(A)
EN 14825   Climat plus chaud		
	Basse température	Moyenne température
ηs	266.00 %	191.00 %
Prated	13.0 kW	14.1 kW
SCOP	6.73	4.85
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = $+2$ °C	12.86 kW	13.56 kW
$COP Tj = +2^{\circ}C$	3.46	2.45
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	8.37 kW	9.06 kW
$COP Tj = +7^{\circ}C$	5.91	4.14
Cdh Tj = $+7$ °C	0.99	0.99
Pdh Tj = 12°C	6.34 kW	6.15 kW
COP Tj = 12°C	8.70	6.56
Cdh Tj = $+12$ °C	0.98	0.98
Pdh Tj = Tbiv	8.37 kW	9.06 kW
COP Tj = Tbiv	5.91	4.14
Pdh $Tj = TOL$ or Pdh $Tj = Tdesignh$ if $TOL$	12.86 kW	13.56 kW
< Tdesignh		
COP Tj = TOL or COP Tj = Tdesignh if TOL	3.46	2.44
< Tdesignh WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11 W	11 W
PCK	0.00 W	0.00 W
1 010	J.55 11	



Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
៥រ៉ាម៉ូឡាមិន d'appoint: PSUP	0.14 kW	0.53 kW
Consommation annuelle d'électricité QHE	2575.00 kWh	3865.00 kWh



Model MHC-V16WD2N7-B***			
Nom du modèle	MHC-V16WD2N7-B***		
Demande	Chauffage (moyenne température)		
Unités	Extérieure		
zone climatique (mode chauffage)	Plus froid, Plus chaud		
application mode refroidissement	s/o		
(optionnelle)			
Autres sources de chaleur	s/o		
Données générales			
Alimentation électrique	1x230V 50Hz		
Fonctionnement heures creuses	n/a		
Air extérieur/Eau			
EN 14511 4   Chauffago			
EN 14511-4   Chauffage	, .		
Starting and operating test	réussi		
Coupure des débits des fluides	réussi		
ତୌଦ <b>part</b> ectrique électrique	réussi		
Dégivrage	réussi		
EN 14511-2   Chauffage			
	Basse température	Moyenne température	
СОР	4.50	3.05	
Puissance thermique	15.5 kW	16.0 kW	
Puissance électrique absorbée	3.44 kW	5.25 kW	
EN 12102-1   Climat moyen			
	Basse température	Moyenne température	
Puissance acoustique extérieure	59 dB(A)	59 dB(A)	
EN 14825   Climat moyen			
Liv 14025   Climat moyen	D	Marray a barray furthing	
nc	Basse température 185 %	Moyenne température 151 %	
ηs Prated	15.9 kW	131 % 14.7 kW	
SCOP	4.70	3.85	
Tbiv	-7 °C	-7 °C	
TOL	-10.00 °C	-10.00 °C	
Pdh Tj = -7°C	14.07 kW	13.00 kW	
$COP Tj = -7^{\circ}C$	2.45	2.33	
Cdh Tj = $-7$ °C	1.00	1.00	
Pdh Tj = $+2$ °C	8.54 kW	7.96 kW	
$COP Tj = +2^{\circ}C$	4.53	3.68	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7$ °C	5.50 kW	5.34 kW	



$COP Tj = +7^{\circ}C$	7.25	5.40
Cdh Tj = $+7$ °C	0.98	0.98
Pdh Tj = 12°C	6.27 kW	5.98 kW
COP Ti = 12°C	8.80	6.58
Cdh Tj = $+12$ °C	0.98	0.98
Pdh Tj = Tbiv	14.07 kW	13.00 kW
COP Tj = Tbiv	2.45	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.42 kW	13.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.95
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
면터님(fage d'appoint: PSUP	2.48 kW	1.31 kW
Consommation annuelle d'électricité QHE	6966 kWh	7862 kWh
consommation annualle a electricite QTL	0300 KWII	7002 RVVII
EN 12102-1   Climat plus froid		
	Basse température	Moyenne température
Puissance acoustique extérieure	59 dB(A)	59 dB(A)
EN 14825   Climat plus froid		
EN 14825   Climat plus froid	Rassa tampáratura	Movenne température
	Basse température	Moyenne température
ης	169 %	137 %
ηs Prated	169 % 15.0 kW	137 % 14.9 kW
ηs Prated SCOP	169 % 15.0 kW 4.30	137 % 14.9 kW 3.50
ηs Prated SCOP Tbiv	169 % 15.0 kW 4.30 -15.00 °C	137 % 14.9 kW 3.50 -15.00 °C
ηs Prated SCOP Tbiv TOL	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Pdh Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Pdh Tj = 12°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98 6.30 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98 6.16 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = 12°C COP Tj = 12°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98 6.30 kW 8.59	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98 6.16 kW 7.20
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +2 °C Pdh Tj = +7°C COP Tj = +7°C COP Tj = 12°C Cdh Tj = 12°C Cdh Tj = +12 °C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98 6.30 kW 8.59 0.98	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98 6.16 kW 7.20 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = 12°C COP Tj = 12°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98 6.30 kW 8.59	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98 6.16 kW 7.20



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.97 kW	10.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.92	1.62
WTOL	66.00 °C	66.00 °C
Poff	11.00 W	11.00 W
PTO	16 W	16 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Pdh Tj = $-15$ °C (if TOL	12.24	12.15
COP Tj = -15°C (if $TOL$	2.44	1.89
Cdh Tj = -15 °C	1	1
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
Chiliseffage d'appoint: PSUP	4.03 kW	4.77 kW
Consommation annuelle d'électricité QHE	8587.00 kWh	10462.00 kWh
EN 12102-1   Climat plus chaud		
	Basse température	Moyenne température
Puissance acoustique extérieure	59 dB(A)	59 dB(A)
EN 14825   Climat plus chaud		
	Basse température	Moyenne température
ης	267.00 %	191.00 %
Prated	14.0 kW	15.0 kW
SCOP	6.75	4.85
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = $+2^{\circ}$ C	14.00 kW	14.29 kW
$COP Tj = +2^{\circ}C$	3.14	2.40
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	9.00 kW	9.64 kW
$COP Tj = +7^{\circ}C$	5.83	4.09
Cdh Tj = +7 °C	0.99	0.99
$Pdh Tj = 12^{\circ}C$	6.35 kW	6.14 kW
COP Tj = 12°C	8.92	6.65
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	9.00 kW	9.64 kW
COP Tj = Tbiv	5.83	4.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL	14.00 kW	14.29 kW
< Tdesignh	2.14	2.40
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.14	2.40
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11 W	11 W
PCK	0.00 W	0.00 W



Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
៥រ៉ាម៉ូឡាមិន្ត្រាម្នាល់ d'appoint: PSUP	0.00 kW	0.71 kW
Consommation annuelle d'électricité QHE	2763.00 kWh	4124.00 kWh



Model MHC-V12WD2RN7-B***			
Nom du modèle	MHC-V12WD2RN7-B***		
Demande	Chauffage (moyenne température)		
Unités	Extérieure		
zone climatique (mode chauffage)	Plus froid, Plus chaud	Plus froid, Plus chaud	
application mode refroidissement (optionnelle)	s/o		
Autres sources de chaleur	s/o		
Données générales			
Alimentation électrique	1x230V 50Hz		
Fonctionnement heures creuses	n/a		
Air extérieur/Eau			
EN 14511-4   Chauffage			
Starting and operating test	réussi		
Coupure des débits des fluides	réussi		
ငော်ဖြာဖျင့်မေးမျာplète de l'alimentation	réussi		
électrique			
Dégivrage	réussi		
EN 14511-2   Chauffage			
	Basse température	Moyenne température	
COP	4.95	3.25	
Puissance thermique	12.1 kW	11.9 kW	
Puissance électrique absorbée	2.44 kW	3.66 kW	
EN 12102-1   Climat moyen			
	Basse température	Moyenne température	
Puissance acoustique extérieure	55 dB(A)	55 dB(A)	
EN 14825   Climat moyen			
	Basse température	Moyenne température	
ης	194 %	155 %	
Prated	12.1 kW	12.1 kW	
SCOP	4.93	3.95	
Tbiv	-7 °C	-7 °C	
TOL	-10.00 °C	-10.00 °C	
Pdh Tj = $-7^{\circ}$ C	10.70 kW	10.70 kW	
$COP Tj = -7^{\circ}C$	2.89	2.52	
Cdh Tj = -7 °C	1.00	1.00	
Pdh Tj = $+2^{\circ}$ C	6.51 kW	6.74 kW	
$COP Tj = +2^{\circ}C$	4.71	3.83	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.46 kW	5.32 kW	



$COP Tj = +7^{\circ}C$	7.04	5.25
Cdh Tj = $+7$ °C	0.98	0.98
Pdh Tj = 12°C	6.30 kW	5.94 kW
COP Tj = 12°C	8.64	6.46
Cdh Tj = $+12$ °C	0.98	0.98
Pdh Tj = Tbiv	10.70 kW	10.70 kW
COP Tj = Tbiv	2.89	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.72 kW	11.27 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	2.01
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
៥រ៉ាដ់ទ#ឝage d'appoint: PSUP	0.38 kW	0.83 kW
Consommation annuelle d'électricité QHE	5064 kWh	6312 kWh
EN 12102-1   Climat plus froid	_ , , ,	
	Basse température	Moyenne température
Puissance acoustique extérieure	55 dB(A)	55 dB(A)
EN 14825   Climat plus froid		
EN 14825   Climat plus froid	Basse température	Moyenne température
EN 14825   Climat plus froid ηs	Basse température 178 %	Moyenne température 139 %
	•	
ης	178 %	139 %
ηs Prated	178 % 12.2 kW	139 % 12.0 kW
ηs Prated SCOP	178 % 12.2 kW 4.53	139 % 12.0 kW 3.55
ηs Prated SCOP Tbiv	178 % 12.2 kW 4.53 -15.00 °C	139 % 12.0 kW 3.55 -15.00 °C
ηs Prated SCOP Tbiv TOL	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Pdh Tj = +2°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = +7°C Pdh Tj = 12°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98 6.30 kW	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98 5.94 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = 12°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98 6.30 kW 8.55	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98 5.94 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Cdh Tj = +12°C Cdh Tj = +12°C	178 % 12.2 kW 4.53 -15.00 °C -22.00 °C 7.42 kW 3.66 0.99 4.60 kW 5.67 0.98 5.48 kW 7.16 0.98 6.30 kW 8.55 0.98	139 % 12.0 kW 3.55 -15.00 °C -22.00 °C 7.28 kW 2.89 0.99 4.50 kW 4.36 0.98 5.17 kW 5.50 0.98 5.94 kW 6.97 0.98



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.33 kW	8.69 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.14	1.72
WTOL	66.00 °C	66.00 °C
Poff	11.00 W	11.00 W
PTO	16 W	16 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Pdh Tj = -15°C (if TOL	9.95	9.79
$COP Tj = -15^{\circ}C (if TOL)$	2.65	2.17
Cdh Tj = -15 °C	1	1
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
Ctili្ស <b>éf</b> age d'appoint: PSUP	2.87 kW	3.31 kW
Consommation annuelle d'électricité QHE	6637.00 kWh	8299.00 kWh
EN 12102-1   Climat plus chaud		
	Basse température	Moyenne température
Puissance acoustique extérieure	55 dB(A)	55 dB(A)
4		
EN 14825   Climat plus chaud		
	Basse température	Moyenne température
ης	269.00 %	192.00 %
Prated	12.1 kW	12.1 kW
SCOP	6.80	4.88
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = $+2^{\circ}$ C	11.96 kW	11.90 kW
$COP Tj = +2^{\circ}C$	3.59	2.59
Cdh Tj = $+2$ °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	7.78 kW	7.78 kW
$COP Tj = +7^{\circ}C$	6.03	4.18
Cdh Tj = +7 °C	0.99	0.99
$Pdh Tj = 12^{\circ}C$	6.34 kW	6.13 kW
COP Tj = 12°C	8.67	6.43
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	7.78 kW	7.78 kW
COP Tj = Tbiv	6.03	4.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL	11.96 kW	11.90 kW
< Tdesignh	2.50	2.50
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.59	2.59
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11 W	11 W
PCK	0.00 W	0.00 W



Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
៥អ៊ីម៉ូម៉ូអ៊ីកិage d'appoint: PSUP	0.14 kW	0.20 kW
Consommation annuelle d'électricité QHE	2377.00 kWh	3304.00 kWh



Model MHC-V14WD2RN7-B***			
Nom du modèle	MHC-V14WD2RN7-B***		
Demande	Chauffage (moyenne température)		
Unités	Extérieure		
zone climatique (mode chauffage)	Plus froid, Plus chaud	Plus froid, Plus chaud	
application mode refroidissement (optionnelle)	s/o		
Autres sources de chaleur	s/o		
Données générales			
Alimentation électrique	1x230V 50Hz		
Fonctionnement heures creuses	n/a		
Air extérieur/Eau			
EN 14511-4   Chauffage			
Starting and operating test	réussi		
Coupure des débits des fluides	réussi		
Coloporte de l'alimentation	réussi		
électrique			
Dégivrage	réussi		
EN 14511-2   Chauffage			
	Basse température	Moyenne température	
COP	4.70	3.15	
Puissance thermique	14.0 kW	13.8 kW	
Puissance électrique absorbée	2.98 kW	4.38 kW	
EN 12102-1   Climat moyen			
	Basse température	Moyenne température	
Puissance acoustique extérieure	57 dB(A)	57 dB(A)	
EN 14825   Climat moyen			
	Basse température	Moyenne température	
ης	187 %	151 %	
Prated	14.1 kW	13.8 kW	
SCOP	4.75	3.85	
Tbiv	-7 °C	-7 °C	
TOL	-10.00 °C	-10.00 °C	
Pdh Tj = $-7^{\circ}$ C	12.47 kW	12.21 kW	
$COP Tj = -7^{\circ}C$	2.63	2.23	
Cdh Tj = -7 $^{\circ}$ C	1.00	1.00	
Pdh Tj = $+2^{\circ}$ C	7.60 kW	7.51 kW	
$COP Tj = +2^{\circ}C$	4.52	3.71	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.49 kW	5.15 kW	



$COP Tj = +7^{\circ}C$	7.16	5.39
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	6.30 kW	6.13 kW
COP Tj = 12°C	8.66	6.84
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	12.47 kW	12.21 kW
COP Tj = Tbiv	2.63	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.63 kW	12.25 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	1.97
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
ឬក់ម៉ូ៖#Rage d'appoint: PSUP	1.47 kW	1.55 kW
Consommation annuelle d'électricité QHE	6118 kWh	7405 kWh
EN 12102-1   Climat plus froid		
	Basse température	Moyenne température
Puissance acoustique extérieure	57 dB(A)	57 dB(A)
EN 14825   Climat plus froid		
EN 14825   Climat plus froid	Basse température	Moyenne température
EN 14825   Climat plus froid ηs	Basse température 175 %	Moyenne température 138 %
	-	
ης	175 %	138 %
ηs Prated	175 % 14.2 kW	138 % 13.2 kW
ηs Prated SCOP	175 % 14.2 kW 4.45	138 % 13.2 kW 3.53
ηs Prated SCOP Tbiv	175 % 14.2 kW 4.45 -15.00 °C	138 % 13.2 kW 3.53 -15.00 °C
ηs Prated SCOP Tbiv TOL	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW 4.40
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW 4.40 0.99
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW	138 %  13.2 kW  3.53  -15.00 °C  -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +7°C Cdh Tj = +7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04	138 % 13.2 kW 3.53 -15.00 °C -22.00 °C 7.86 kW 2.81 0.99 4.88 kW 4.40 0.99 5.39 kW 5.71
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +7°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98	138 %  13.2 kW  3.53 -15.00 °C -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Cdh Tj = +7°C Pdh Tj = 12°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98 6.22 kW	138 %  13.2 kW  3.53 -15.00 °C -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98  5.95 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Cdh Tj = 12°C Cdh Tj = +12°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98 6.22 kW 8.53	138 %  13.2 kW  3.53  -15.00 °C  -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98  5.95 kW  7.03  0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = 12°C COP Tj = 12°C	175 % 14.2 kW 4.45 -15.00 °C -22.00 °C 8.54 kW 3.54 0.99 5.18 kW 5.68 0.98 5.52 kW 7.04 0.98 6.22 kW 8.53 0.98	138 %  13.2 kW  3.53 -15.00 °C -22.00 °C  7.86 kW  2.81  0.99  4.88 kW  4.40  0.99  5.39 kW  5.71  0.98  5.95 kW  7.03



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.04 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00	1.64
WTOL	66.00 °C	66.00 °C
Poff	11.00 W	11.00 W
PTO	16 W	16 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Pdh Tj = -15°C (if TOL	11.58	10.77
COP Tj = -15°C (if $TOL$	2.58	2.12
Cdh Tj = -15 °C	1	1
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
마네네네데 대한	4.15 kW	3.90 kW
Consommation annuelle d'électricité QHE	7868.00 kWh	9186.00 kWh
consommation annualle a circumstic QTE	7000.00 KVVII	3100.00 KWII
EN 12102-1   Climat plus chaud		
	Basse température	Moyenne température
Puissance acoustique extérieure	57 dB(A)	57 dB(A)
EN 14825   Climat plus chaud		
	5 / /	
	Basse température	Moyenne température
ης	266.00 %	191.00 %
Prated	13.0 kW	14.1 kW
SCOP	6.73	4.85
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = $+2^{\circ}$ C	12.86 kW	13.56 kW
$COP Tj = +2^{\circ}C$	3.46	2.45
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	8.37 kW	9.06 kW
$COP Tj = +7^{\circ}C$	5.91	4.14
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	6.34 kW	6.15 kW
COP Tj = 12°C	8.70	6.56
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	8.37 kW	9.06 kW
COP Tj = Tbiv	5.91	4.14
Pdh $Tj = TOL$ or Pdh $Tj = Tdesignh$ if $TOL$	12.86 kW	13.56 kW
< Tdesignh		
COP Tj = TOL or COP Tj = Tdesignh if TOL	3.46	2.44
< Tdesignh		
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
РТО	16.00 W	16.00 W
PSB	11 W	11 W
PCK	0.00 W	0.00 W



Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
៥រ៉ាម៉ូឡាមិន្ត្រាម្នាល់ d'appoint: PSUP	0.14 kW	0.53 kW
Consommation annuelle d'électricité QHE	2575.00 kWh	3865.00 kWh



Model MHC-V16WD2RN7-B***			
Nom du modèle	MHC-V16WD2RN7-B***		
Demande	Chauffage (moyenne température)		
Unités	Extérieure		
zone climatique (mode chauffage)	Plus froid, Plus chaud	Plus froid, Plus chaud	
application mode refroidissement (optionnelle)	S/O		
Autres sources de chaleur	s/o		
Données générales			
Alimentation électrique	1x230V 50Hz		
Fonctionnement heures creuses	n/a		
Air extérieur/Eau			
EN 14511-4   Chauffage			
Starting and operating test	réussi		
Coupure des débits des fluides	réussi		
Colupartecur inplète de l'alimentation	réussi		
électrique			
Dégivrage	réussi		
EN 14511-2   Chauffage			
	Basse température	Moyenne température	
COP	4.50	3.05	
Puissance thermique	15.5 kW	16.0 kW	
Puissance électrique absorbée	3.44 kW	5.25 kW	
EN 12102-1   Climat moyen			
	Basse température	Moyenne température	
Puissance acoustique extérieure	59 dB(A)	59 dB(A)	
EN 14825   Climat moyen			
	Basse température	Moyenne température	
ης	185 %	151 %	
Prated	15.9 kW	14.7 kW	
SCOP	4.70	3.85	
Tbiv	-7 °C	-7 °C	
TOL	-10.00 °C	-10.00 °C	
Pdh Tj = $-7^{\circ}$ C	14.07 kW	13.00 kW	
COP Tj = $-7$ °C	2.45	2.33	
Cdh Tj = -7 $^{\circ}$ C	1.00	1.00	
Pdh Tj = $+2$ °C	8.54 kW	7.96 kW	
$COP Tj = +2^{\circ}C$	4.53	3.68	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = $+7^{\circ}$ C	5.50 kW	5.34 kW	



$COP Tj = +7^{\circ}C$	7.25	5.40
Cdh Tj = $+7$ °C	0.98	0.98
Pdh Tj = 12°C	6.27 kW	5.98 kW
COP Tj = 12°C	8.80	6.58
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	14.07 kW	13.00 kW
COP Tj = Tbiv	2.45	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.42 kW	13.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.95
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
ឬក់ម៉ូ៖#fage d'appoint: PSUP	2.48 kW	1.31 kW
Consommation annuelle d'électricité QHE	6966 kWh	7862 kWh
EN 12102-1   Climat plus froid		
	Basse température	Moyenne température
Puissance acoustique extérieure	59 dB(A)	59 dB(A)
EN 14825   Climat plus froid		
EN 14825   Climat plus froid	Basse température	Moyenne température
EN 14825   Climat plus froid ηs	Basse température 169 %	Moyenne température 137 %
	-	
ης	169 %	137 %
ηs Prated	169 % 15.0 kW	137 % 14.9 kW
ηs Prated SCOP	169 % 15.0 kW 4.30	137 % 14.9 kW 3.50
ηs Prated SCOP Tbiv	169 % 15.0 kW 4.30 -15.00 °C	137 % 14.9 kW 3.50 -15.00 °C
ηs Prated SCOP Tbiv TOL	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Pdh Tj = +2°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Pdh Tj = 12°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98 6.30 kW	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98 6.16 kW
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2 °C Cdh Tj = +2 °C Pdh Tj = +7°C COP Tj = +7°C COP Tj = 12°C Cdh Tj = 12°C Cdh Tj = +12 °C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98 6.30 kW 8.59	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98 6.16 kW 7.20
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = 12°C	169 % 15.0 kW 4.30 -15.00 °C -22.00 °C 9.26 kW 3.27 0.99 5.61 kW 5.64 0.98 5.44 kW 7.22 0.98 6.30 kW 8.59 0.98	137 % 14.9 kW 3.50 -15.00 °C -22.00 °C 9.04 kW 2.83 0.99 5.39 kW 4.44 0.99 5.34 kW 5.73 0.98 6.16 kW 7.20 0.98



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.97 kW	10.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.92	1.62
WTOL	66.00 °C	66.00 °C
Poff	11.00 W	11.00 W
PTO	16 W	16 W
PSB	11.00 W	11.00 W
PCK	0 W	0 W
Pdh Tj = $-15$ °C (if TOL	12.24	12.15
COP Tj = -15°C (if $TOL$	2.44	1.89
Cdh Tj = -15 °C	1	1
Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
Ctilis#Page d'appoint: PSUP	4.03 kW	4.77 kW
Consommation annuelle d'électricité QHE	8587.00 kWh	10462.00 kWh
EN 12102-1   Climat plus chaud		
	Basse température	Moyenne température
Puissance acoustique extérieure	59 dB(A)	59 dB(A)
EN 14825   Climat plus chaud		
	Basse température	Moyenne température
ης	267.00 %	191.00 %
Prated	14.0 kW	15.0 kW
SCOP	6.75	4.85
Tbiv	7.00 °C	7.00 °C
TOL	2.00 °C	2.00 °C
Pdh Tj = $+2^{\circ}$ C	14.00 kW	14.29 kW
$COPTj = +2^{\circ}C$	3.14	2.40
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	9.00 kW	9.64 kW
$COP Tj = +7^{\circ}C$	5.83	4.09
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	6.35 kW	6.14 kW
COP Tj = 12°C	8.92	6.65
Cdh Tj = $+12$ °C	0.98	0.98
Pdh Tj = Tbiv	9.00 kW	9.64 kW
COP Tj = Tbiv	5.83	4.09
Pdh $Tj = TOL$ or Pdh $Tj = Tdesignh$ if $TOL$	14.00 kW	14.29 kW
< Tdesignh		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.14	2.40
WTOL	80.00 °C	80.00 °C
Poff	11.00 W	11.00 W
PTO	16.00 W	16.00 W
PSB	11 W	11 W
PCK	0.00 W	0.00 W
-		



Chauffage d'appoint: type d'énergie	L'électricité	L'électricité
៥រ៉ាម៉ូឡាមិន d'appoint: PSUP	0.00 kW	0.71 kW
Consommation annuelle d'électricité QHE	2763.00 kWh	4124.00 kWh