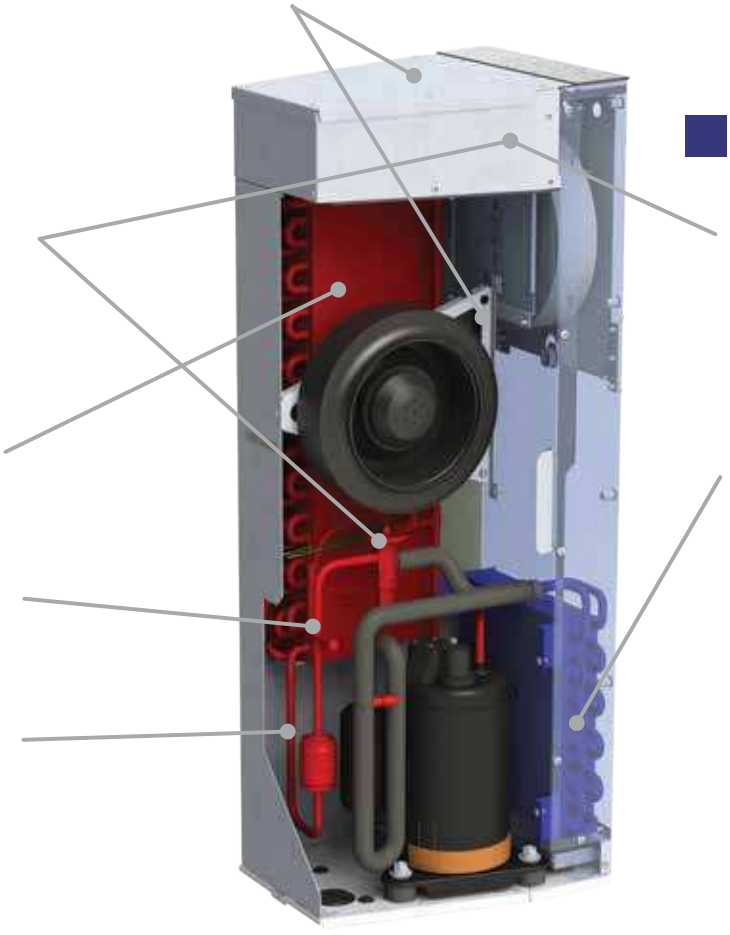
SPECTRACOOL NARROW WITH ADVANCED CORROSION PROTECTION OVERVIEW



SPECTRACOOL NARROW WITH ADVANCED CORROSION PROTECTION COMPACT

N16 115/230 Volt
800 BTU/Hr.
234 Watt

N21 115/230 Volt
2000 BTU/Hr.
586 Watt

INDUSTRY STANDARDS

UL/cUL Listed; Type 12, 3R, 4, 4X optional; File No. SA6453
UR/cUR Recognized on select models for N16 and N21

CE
IP 56 Internal Loop
IP 34 External Loop
EAC
Telcordia GR-487 capable (Outdoor)
Reference performance data tables for agency approvals applied to each model.

APPLICATION

- **Oil and gas**
- **Water treatment facilities**
- **Chemical manufacturing**
- **Industrial automation**
- **Package handling equipment**
- **Security and defense systems**

FEATURES

- **Two levels of corrosion protection:**
  - **Level 1 - Protective coatings on all exposed copper tubing and solder joints, condenser coil and thermostat.**
  - **Level 2 - All protective coatings in Level 1 plus a coated evaporator coil. Foam wrap added over protective coatings on thermostat.**
- **Narrow design accommodates 12-in. deep cabinets**
- **R134a earth-friendly refrigerants**
- **Models for 115, 230 and 400/460 VAC power input**
- **UL Listed to save customers time and money with agency approvals**
- **Attractive industrial design with minimal use of visible fasteners**
- **Reliable mechanical thermostat is located behind the cover of the unit; Air Conditioner models include digital display on ambient side**
- **Galvanized sheet-metal cover for rugged factory and outdoor environments**
- **Fbtz. npvou!åbohft!gps!tjnqf!jotubmmbujpo**
- **Cutout adapter options for enclosures with GENESIS air conditioners enable users to easily transition to the new unit**
- **Evtu.sftjtubou!dpoefotfs!dpj!bmmpxt!uif!voju!up!cf!svo!Åmufsmftt!jo! most applications**
- **Dmfbobcmf-!sfvtbcmf!bmvnjovn!nfti!Ámufs!qspufdut!dpjmt!gps! maximum cooling performance**
- **Mounting hardware, gaskets and user manual furnished with the unit**
- **Every unit functionally tested before shipping**
- **Standard models include:**
  - **Active condensate management**
  - **Power-off relay for door switch and other system requirements**
  - **Malfunction switch**

SPECIFICATIONS

- **Nominal cooling capacity:**
  N16 800 BTU/Hr. (234 W)
  N21 2000 BTU/Hr. (586 W)
- **Operating temperature range from 50 F/10 C to 125 F/52 C**

FINISH

- **RAL 7035 light-gray, semi-textured powder-coat paint**
- **No. 4 brushed 316 stainless steel**
- **Other colors and textures available**

NOTES

Visit W L L L
TOMO **for more information regarding SPECTRACOOL Remote Access Control (RAC).**

Visit W L L L
to download 2D and 3D CAD drawings into the overall design of your electrical system.

EtherNet/IP ODVA PI PROFIBUS • PROFINET

Performance Data¢ M04 6/ / AST-Gp, '122 V`rr(Lmbckr

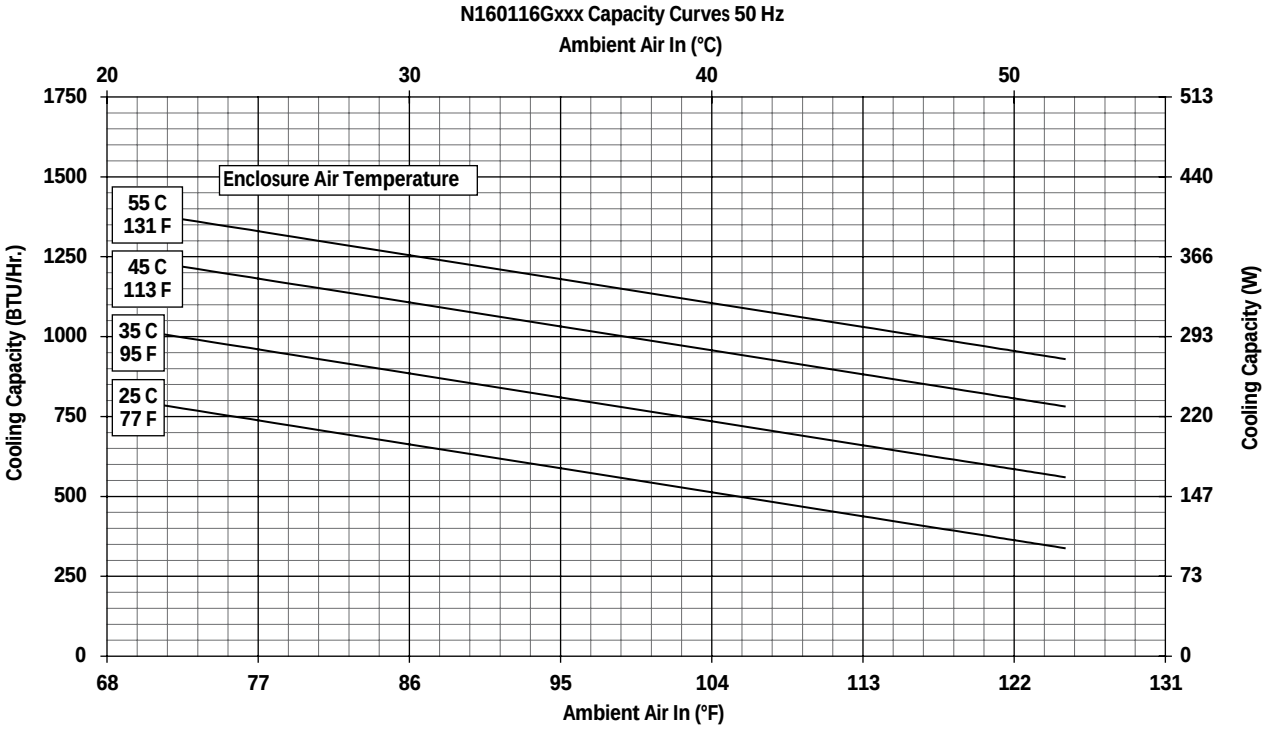
B@S@KNE MT LACQ			
N	TMM	NSMNNS TMM	NSMNOS TMM
N	PNS NMO	NSMNNS NMO	NSMNOS NMO
O	UMM	NSMNNS UMM	NSMNOS UMM
O	PSMG	NSMNNS PSM	NSMNOS PSM
O	PNS UMO	NSMNNS UMO	NSMNOS UMO
COOLING PERFORMANCE			
Mm l g l `k8))			
AST-Gp,		**6/ /**	**6/ /**
V`rrr		**122**	**122**
	W		
L ERMLSM F		LUNV	VOMLVSM
ERMLSM F		LO M	OTMLOUN
VR LVR EPR LPR FW			
L ERMLSM F		TTMLV U	UNMLVRR
ERMLSM F		OOSLOTU	OPTLOUM
		NP	NP
E L F		LNNP	P ULNMT
	W		
E L F		NORLNPNLROLRR	NORLNPNLROLRR
E L F		ML M	ML M
M	W		
RM E L PL F		ORL O	ORL O
RM E L PL F		ULUO	ULUO
SM E L PL F		PMLRN	PMLRN
SM E L PL F		RPLVM	RPLVM
ELECTRICAL DATA			
Q`rcb Umkr`ec		**0/ /-003**	**11/-12/**
E F		RMLSM	RMLSM
		HL NMB	HL NMB
E RMLSM F		PSML MP	PPMLP R
E RMLSM F		P ULP T	NSLNS
E F		U MLV O	P PLP N

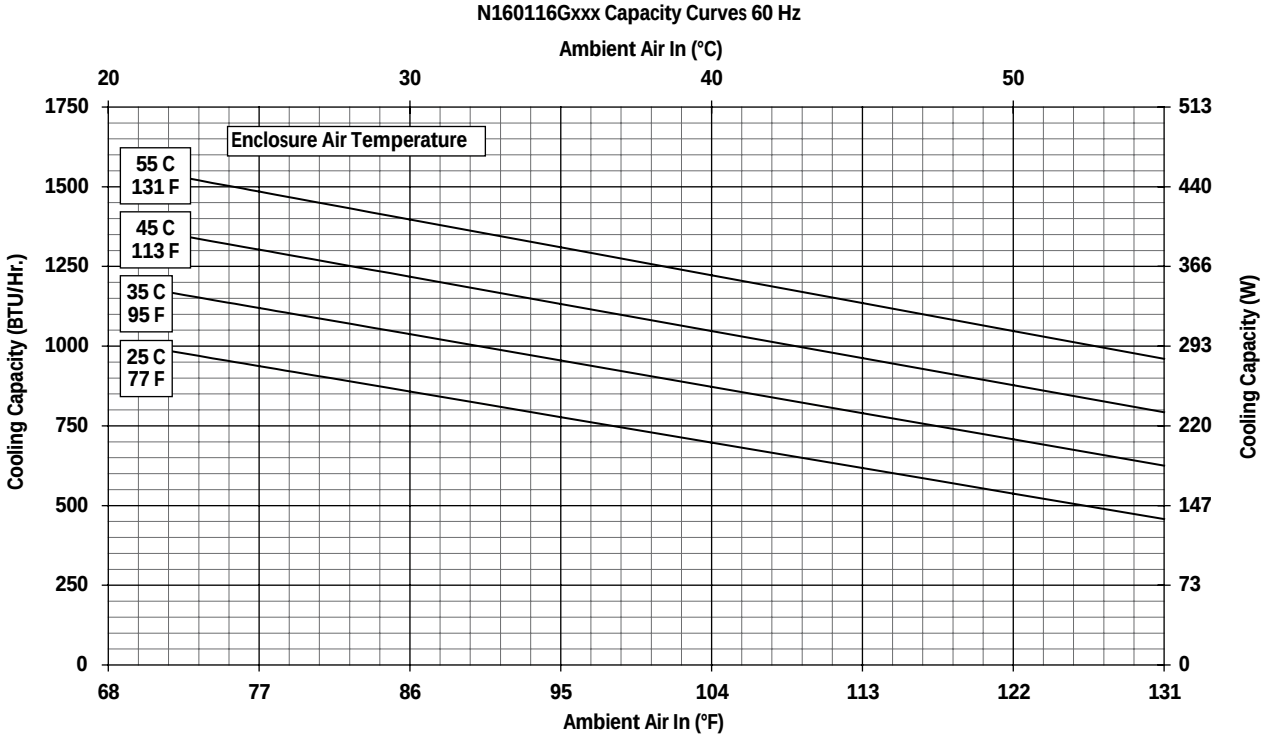
ENCLOSURE PROTECTION	
	NCJP I
CONTROLLER	
E L F	UMLOT
SOUND LEVEL	
NR	SP E F
UNIT DIMENSIONS	
E L F	NS RNL NV
E L F	T ROLNVN
E L F	S PMLNSM
E L F	OTLNO

)Tmhsr vhsg Qd l nsd @bbdrr Bnmsqnk tshkhyd ` chfhs`k bnmsqnkkdq `mc bn l l tmhb`sd uh` DsgdqMds.HO+ OqnÎmds+ L ncatr SBO.HO `mc RMLO nudq dsgdqmds nq l ncatr QST nudq

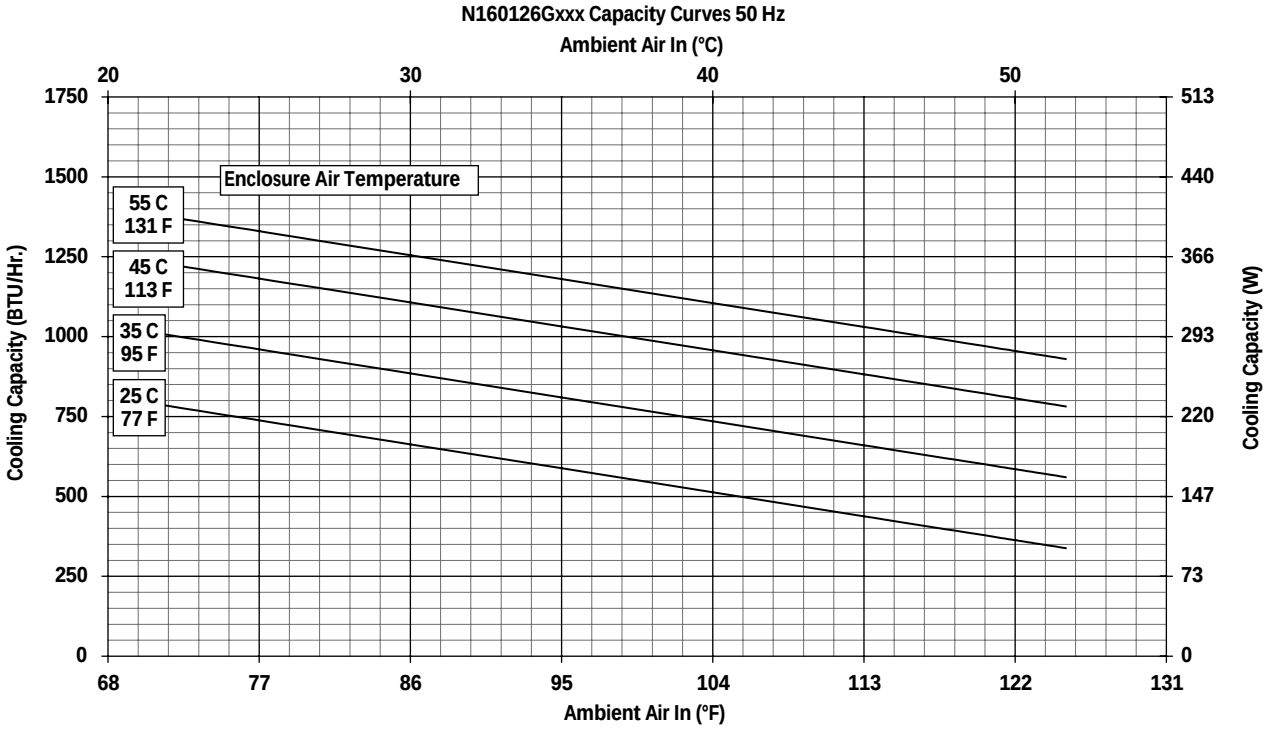
GG l

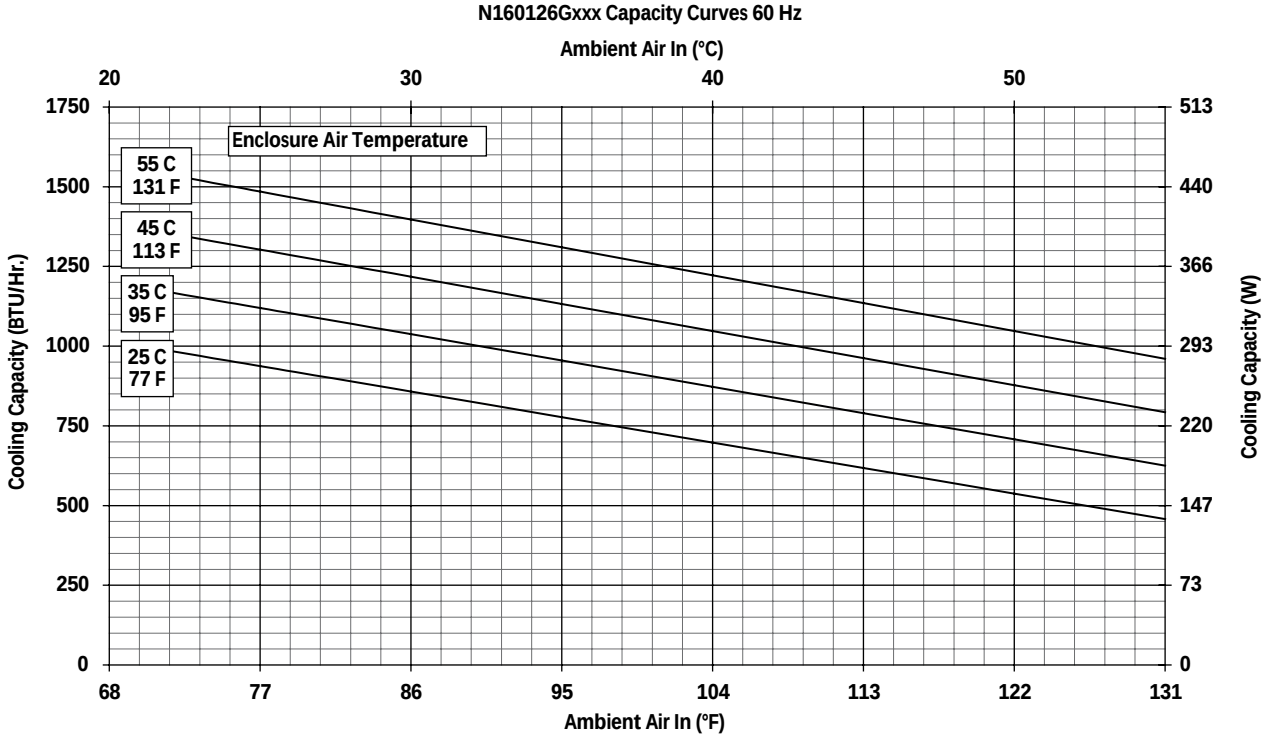
Performance Curves for N16 Models 800 BTU/Hr. (234 Watt)

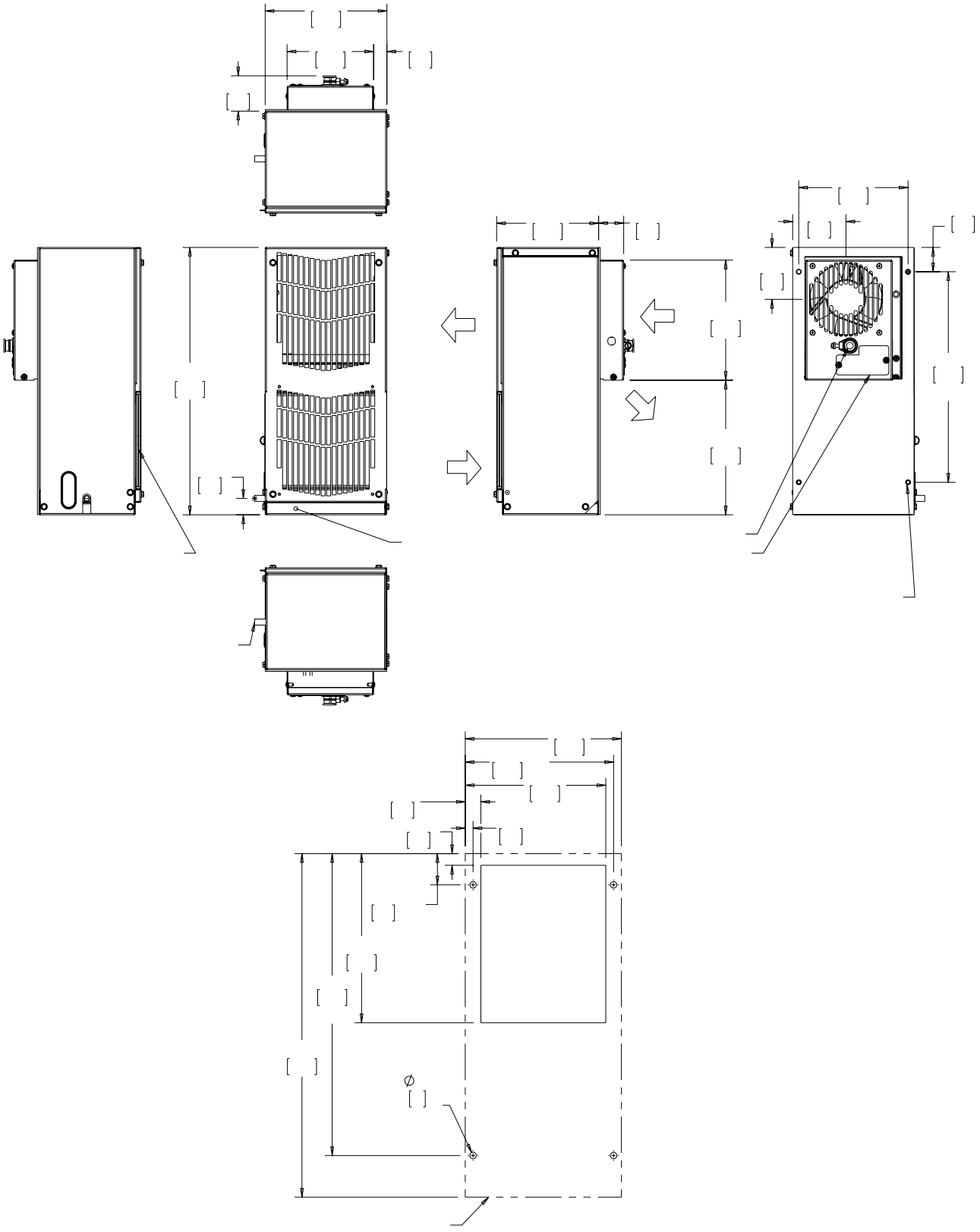




Performance Curves for N16 Models 800 BTU/Hr. (234 Watt)







Visit www.nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.

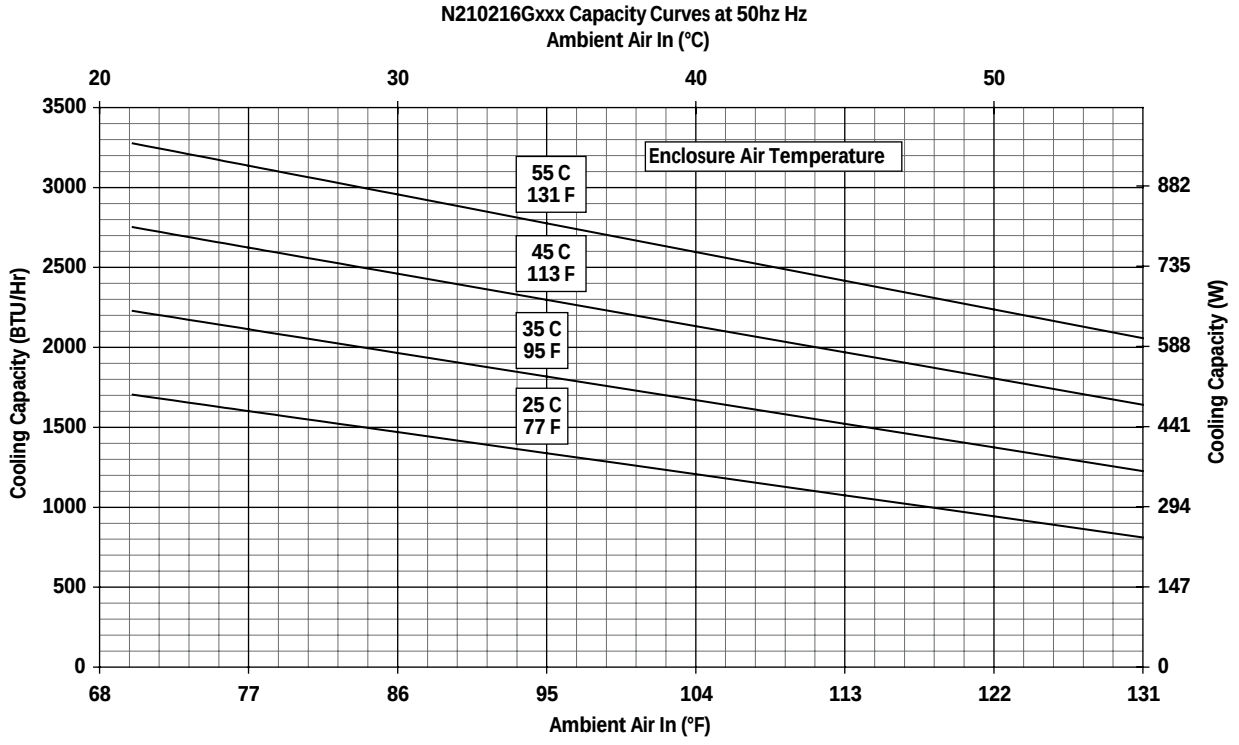
Performance Data¢ M10 1/ / / AST-Gp, '364 V`rr(Lmbckr

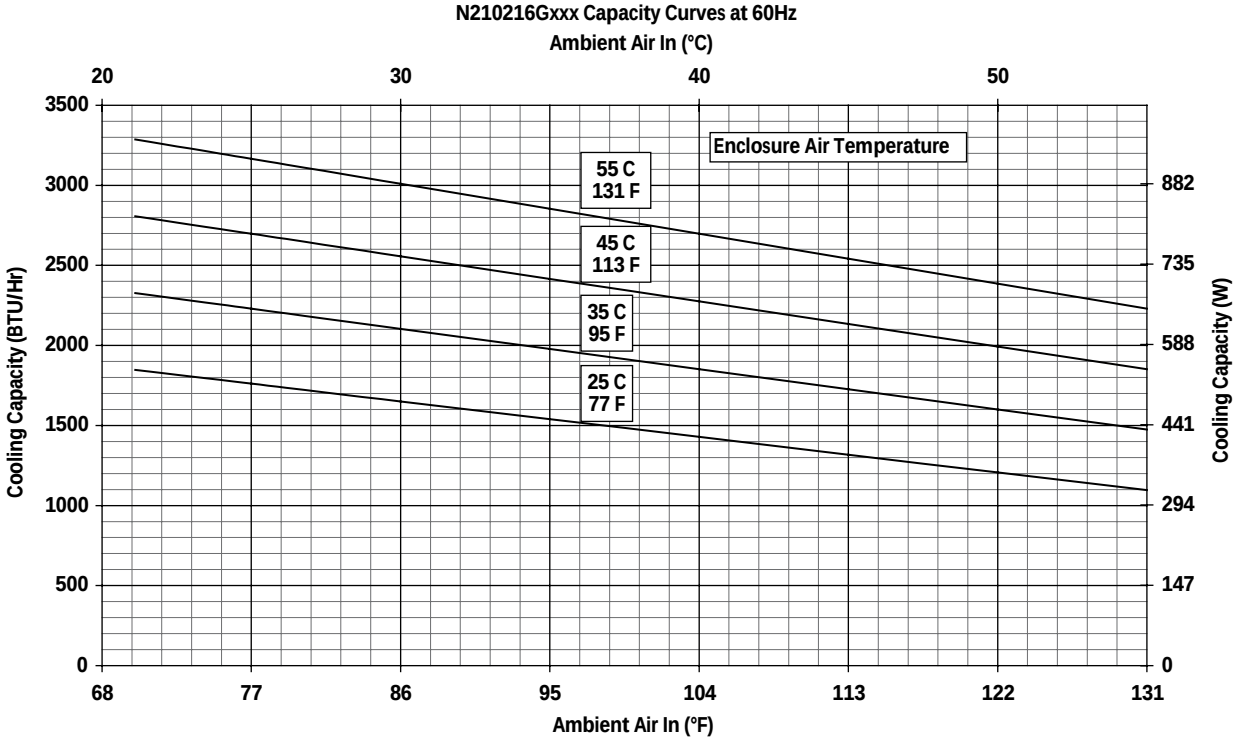
B@S@KNE MT LACQ			
N TMM	CNMONS TMM	CNMOOS TMM	CNMO S TMM
N PNS NMO	CNMONS NMO	CNMOOS NMO	CNMO S NMO
O UMM	CNMONS UMM	CNMOOS UMM	CNMO S UMM
O PSMG	CNMONS PSM	CNMOOS PSM	CNMO S PSM
O PNS UMO	CNMONS UMO	CNMOOS UMO	CNMO S UMO
COOLING PERFORMANCE			
Mm l g l `k8))			
AST-Gp,	**1/ / /**	**1/ / /**	**1/ / /**
V`rrr	**364**	**364**	**364**
NPN LNPN ERR LRR FW			
L ERMLSM F	OMMMLONTR	OMMMLONTR	OMMMLONTR
ERMLSM F	RUSLSPT	RUSLSPT	RUSLSPT
VR LVR EPR LPR FW			
L ERMLSM F	NVRMLOOMM	NVRMLOOMM	NVRMLOOMM
ERMLSM F	RTNLS R	RTNLS R	RTNLS R
	NP	NP	NP
E L F	S RLNU	S RLNU	S RLNU
W			
E L F	NPNLRR	NPNLRR	NPNLRR
E L F	ML M	ML M	ML M
M W			
RM E L PL F	TTLNPN	TTLNPN	TTLNPN
RM E L PL F	NRMLORR	NRMLORR	NRMLORR
SM E L PL F	VNLNRR	VNLNRR	VNLNRR
SM E L PL F	NSRLOUM	NSRLOUM	NSRLOUM
ELECTRICAL DATA			
Q`rcb Umkr`ec	**003**	**12/**	**24/U 0NG**
E F	RMLSM	RMLSM	RMLSM
	HL NMB	HL NMB	HL NMB
E RMLSM F	TMMLUMR	UMR	UT
E RMLSM F	T QLT O	P SLP S	N V
E F	NV	T S	T O
ENCLOSURE PROTECTION			
		NQ P I	
CONTROLLER			
E L F		UMLOT UMLOT	
SOUND LEVEL			
N R		SS E F	
UNIT DIMENSIONS			
E L F	OMVOLRPN	OMVOLRPN	OR NTLSN
E L F	NMMMLOR	NMMMLOR	NMMMLOR
E L F	V VMLORN	V VMLORN	V VMLORN
E L F	RSLOR	RSLOR	SSLPM

)Tmhsr vhsg Qd l nsd @bbdrr Bnmsqnk tshkhyd ` chfhs`k bnmsqnkkdq `mc bn l l tmhb`sd uh` DsgdqMds.HO+ OqnÎmds+ L ncatr SBO.HO `mc RM L O nudq dsgdqmds nq l ncatr QST nudq

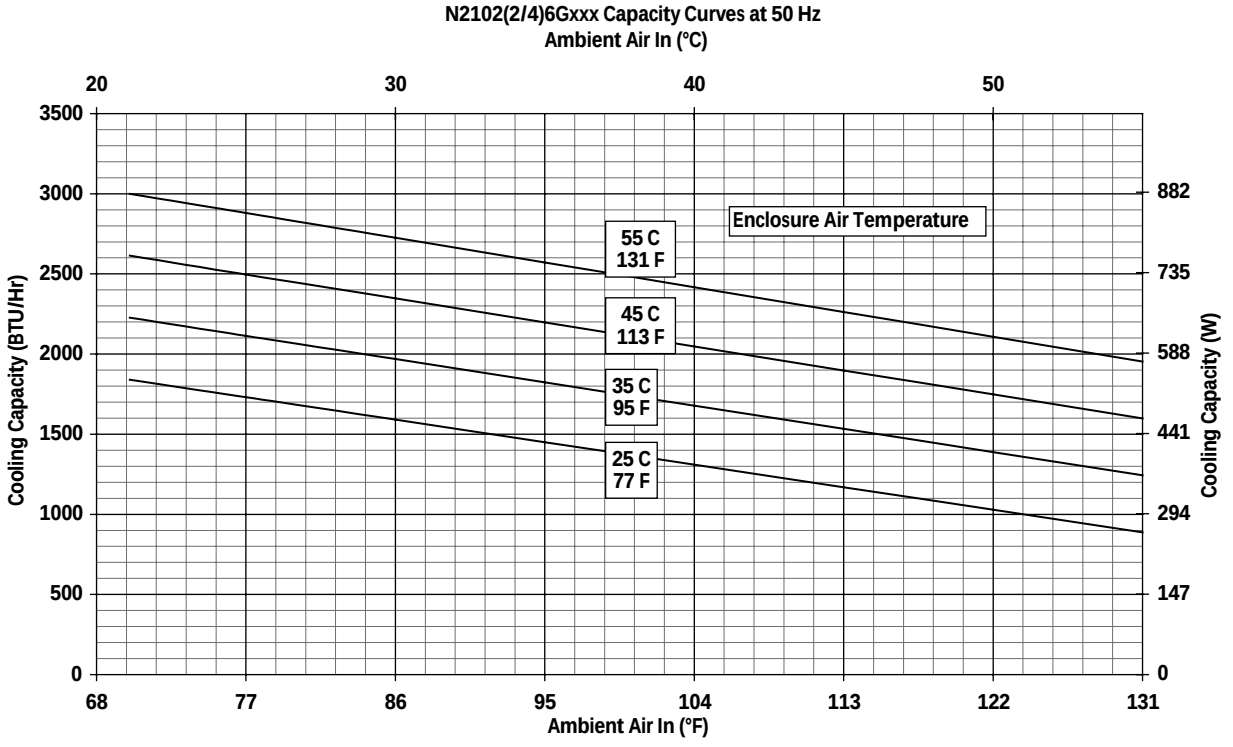
GG l

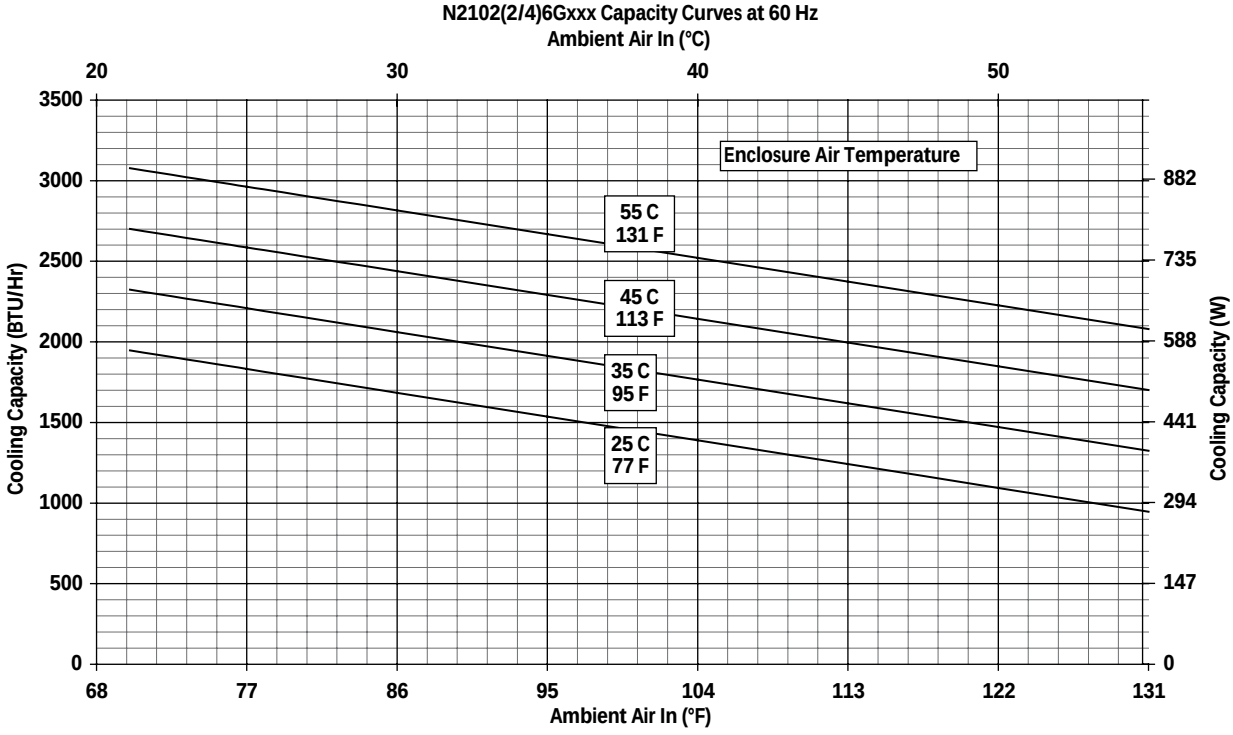
Performance Curves for N21 Models 2000 BTU/Hr. (586 Watt)

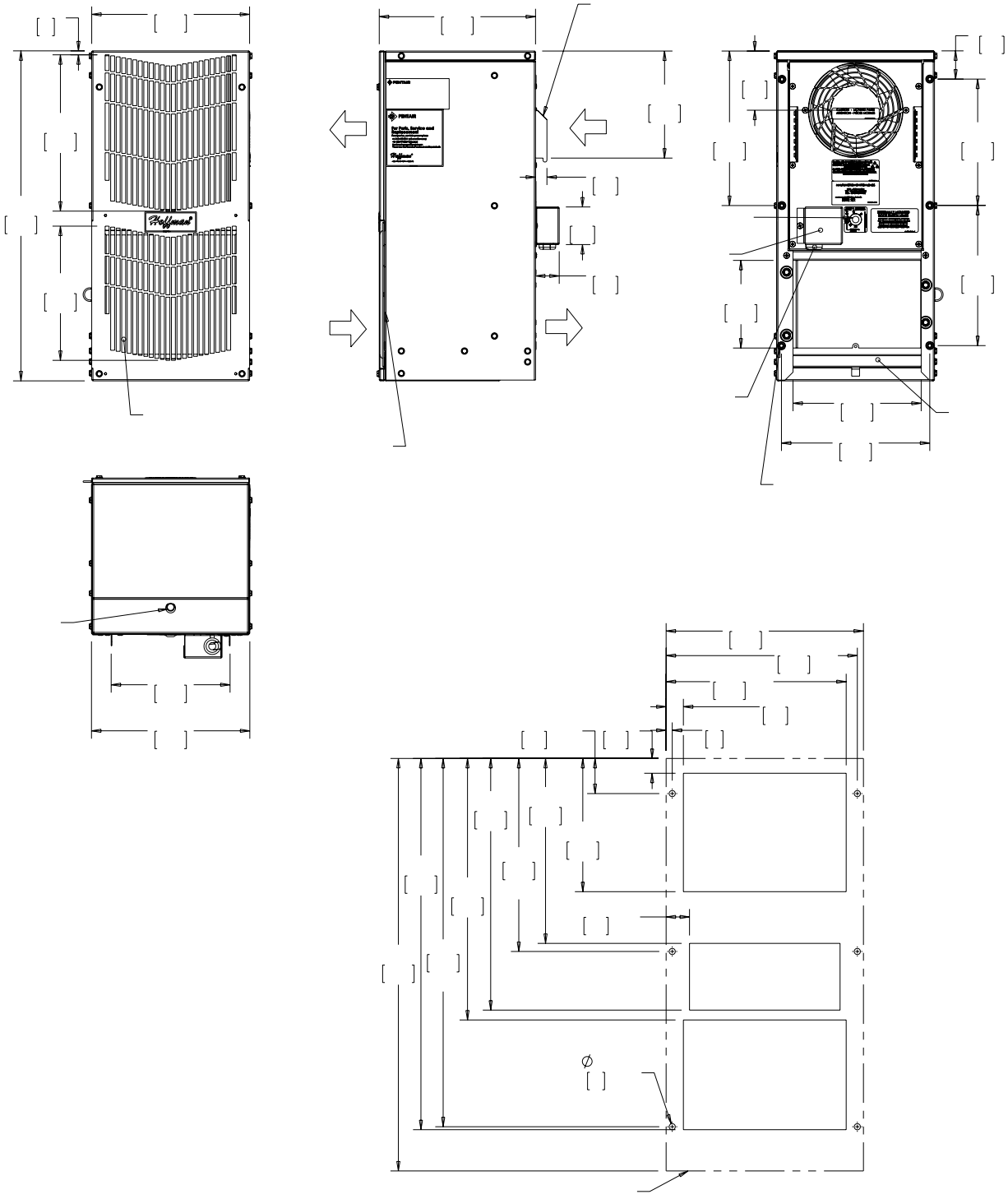




Performance Curves for N21 Models 2000 BTU/Hr. (586 Watt)







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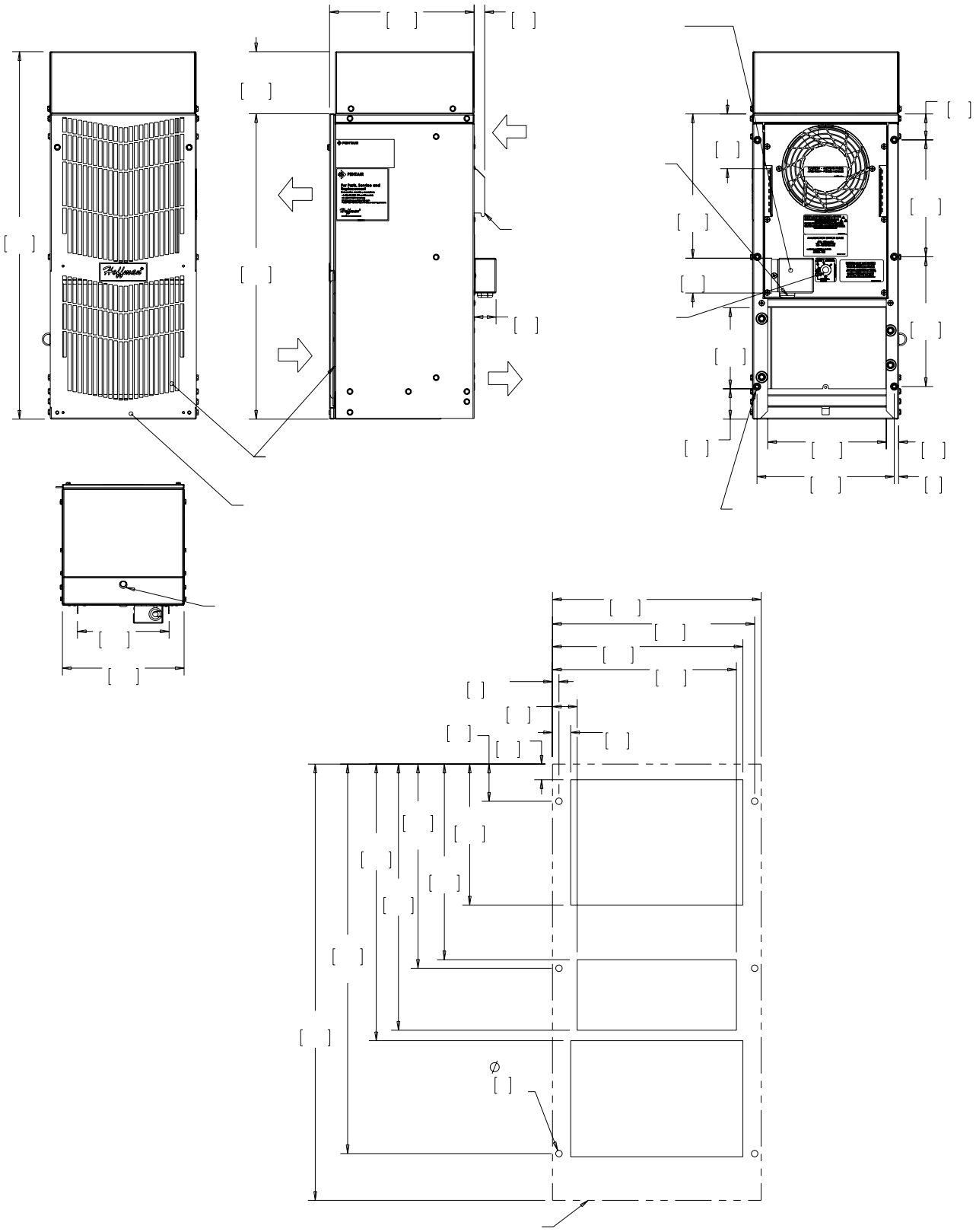


Visit www.nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.

SPECTRACOOL NARROW WITH ADVANCED CORROSION PROTECTION

N43	N36	N28
11000 BTU/Hr.	6000/8000 BTU/Hr.	4000 BTU/Hr.
3223 Watt	1758/2344 Watt	1172 Watt

INDUSTRY STANDARDS

UL/cUL Listed; Type 12, 3R, 4; 4X optional; File No. SA6453

CE
IP 56 Internal Loop
IP 34 on External Loop
Telcordia GR-487 capable (Outdoor)

APPLICATION

- Industrial automation
- Telecommunications equipment
- Waste water treatment systems
- Package handling equipment
- Security and defense systems
- Oil and gas
- Water treatment facilities
- Chemical manufacturing

FEATURES

- Two levels of corrosion protection:
  - Level 1 - Protective coatings on all exposed copper tubing and solder joints, condenser coil and thermostat.
  - Level 2 - All protective coatings in Level 1 plus a coated evaporator coil. Foam wrap added over protective coatings on thermostat.
- Narrow design accommodates 12-in. (300-mm) deep cabinets
- Fofshz!fÆdjfou!sfdjqspdbujoh!dpnqsfttps!po!O39!npefmt
- Fofshz!fÆdjfou!spubsz!dpnqsfttps!po!O47!boe!O54!npefmt
- R407c and R134a earth-friendly refrigerants
- Models for 115, 230 and 400/460 3-phase VAC power input
- UL Listed to save customers time and money with agency approvals
- Outdoor model operating temperature range from -40 F/-40 C to 131 F/55 C (125 F/52 C on N28 Series)
- Attractive industrial design with minimal use of visible fasteners
- Reliable mechanical thermostat on enclosure side of the unit; indoor Air Conditioner models include digital display on ambient side
- Galvanized sheet-metal cover for rugged factory and outdoor environments
- Fbtz.npvou!Åbohftgpstjnqmfjotubmmbujpo
- Cut-out adapter options for enclosures with GENESIS air conditioners enable users to easily transition to the new unit
- Evtu.sftjtubou!dpoefotfs!dpjm!bmmpxt!uif!voju!up!cf!svo!Ånufsmftt!jo! most applications
- Dmfbobcmf-!sfvtbcmf!bmvnjovn!nfti!Ånufs!qspufdut!dpjmt!gps! maximum cooling performance
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- Standard models include:
  - Active condensate management with heater strip
  - Power-off relay for door switch and other system requirements
  - Malfunction switch
  - Telcordia GR-487 capable
  - Corrosion-resistant components
  - Malfunction switch
  - Compressor heater
  - Head pressure control

SPECIFICATIONS

- Nominal cooling capacity:
  N28 4000 BTU/Hr. (1172 W)
  N36 6000 & 8000 BTU/Hr. (1758 and 2344 W)
  N43 11000 BTU/Hr. (3223 W)
- Outdoor model operating temperature range from -40 F/-40 C to 131 F/55 C (125 F/52 C on N28 Series)

FINISH

- RAL 7035 light-gray, semi-textured powder-coat paint
- No. 4 brushed 316 stainless steel
- Other colors and textures available

NOTES

Visit WL L L L TOM O for more information regarding SPECTRACOOL Remote Access Control (RAC).

Visit WL L L L to download 2D and 3D CAD drawings into the overall design of your electrical system.

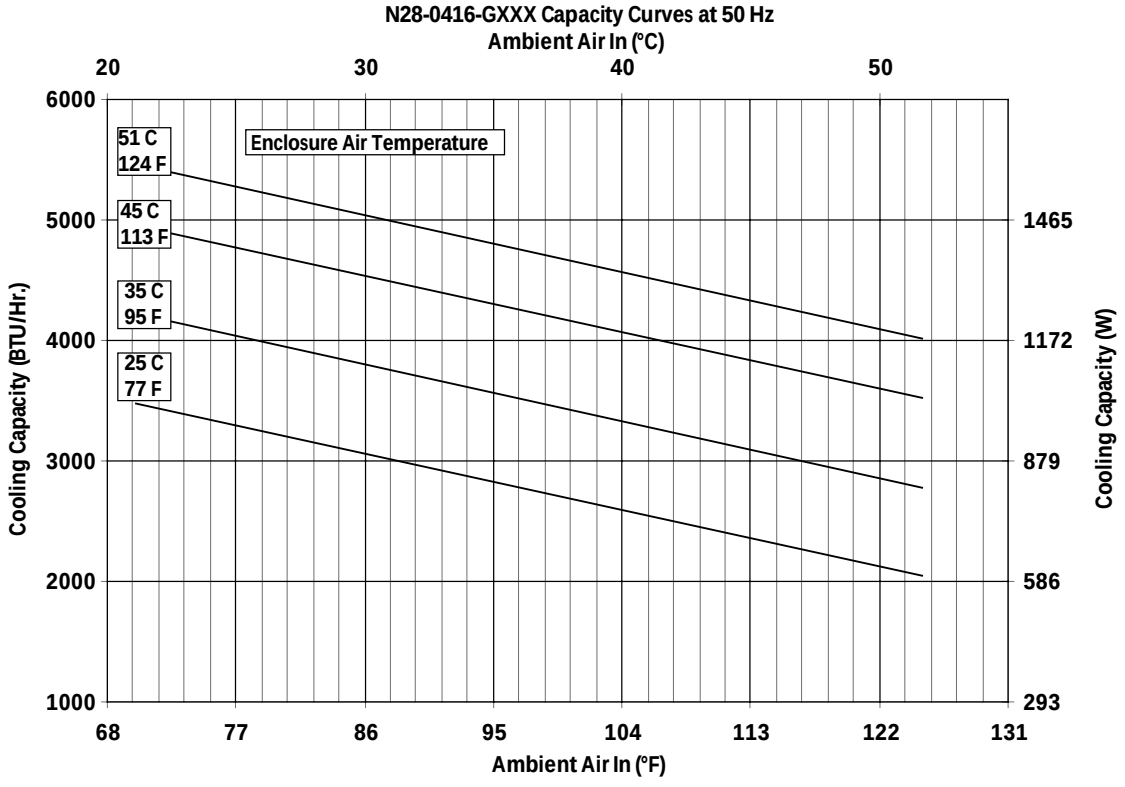
Performance Data¢ M16 2/ / / AST-Gp, '0061 V`rr(

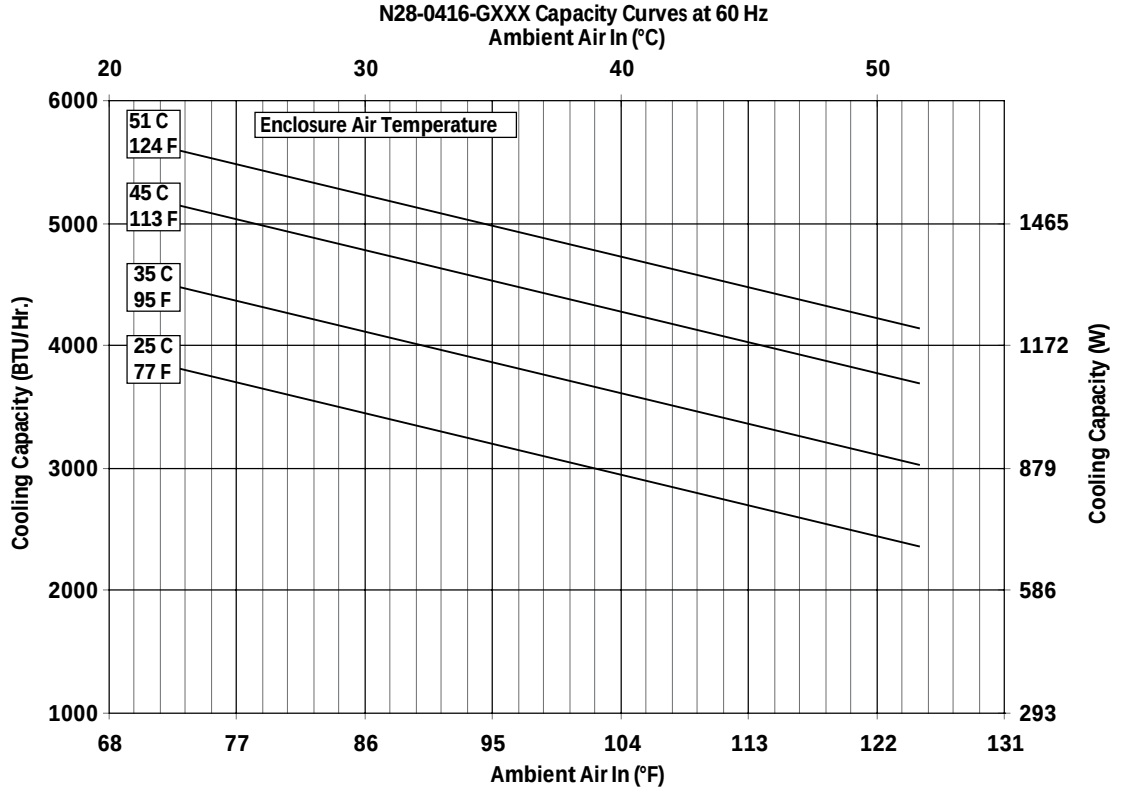
B@S@KNE MT L ACQ			
N TMM	QUM NS TMM	QUM OS TMM	QUM S TMM
N PNS NMO	QUM NS NMO	QUM OS NMO	QUM S NMO
O UMM	QUM NS UMM	QUM OS UMM	QUM S UMM
O PSMG	QUM NS PSM	QUM OS PSM	QUM S PSM
O PNS UMO	QUM NS UMO	QUM OS UMO	QUM S UMO
COOLING PERFORMANCE			
Mm l g l `k8))			
ASTr-Gp,	**2/ / /**	**2/ / /**	**2/ / /**
V`rrr	**1172**	**1172**	**1172**
NOR L NOR ERM L RM FW			
L ERML SM F	PV ML NM	OS V L TMP	OS V L TMP
ERML SM F	NNRML NMMM	NORML NPT U	NORML NPT U
VR L VR EPR L PR FW			
L ERMLSM F	PTR L MNN	PTMML OVN	PTMML OVN
ERML SM F	NNMML NNTR	NMUS L NORT	NMUS L NORT
	NP	NP	NP
E L F	NML QUP	NN L PNO	NN L PNO
W			
E L F	NOR L RO	NOR L RO	NOR L RO
E L F	ML M	ML M	ML M
M W			
RM E L PL F	NPU L OP	NPU L OP	NPU L OP
RM E L PL F	OS U L RR	OS U L RR	OS U L RR
SM E L PL F	N P L O P	N P L O P	N P L O P
SM E L PL F	QUU L UV	QUU L UV	QUU L UV
ELECTRICAL DATA			
Q`rcb Umkr`ec	**00/ - 003**	**12/**	**24/U 0NG**
E F	RML SM	RML SM	RML SM
	HL NMB	HL NMB	HL NMB
E RML SM F	VT N L NNNS	VT R L NNM	NNM
E RML SM F	NMN L NN O	VL R M	O R
E F	M	O R	NO R
ENCLOSURE PROTECTION			
		NO P I	
CONTROLLER			
E L F		UML OT	
SOUND LEVEL			
NR	S	SR R	SR R
ACCESSORIES			
E PPF			PP PP QU
UNIT DIMENSIONS			
E L F		QU L T NN O	
E L F		NN RML OVON	
E L F		N MML PRR S	
E L F	U L PU	U L PU	VOL NT

)Tmhsr vhsg Qd l nsd @bbdrr Bnmsqnk tshkhyd ` ch fhs`k bnmsqnkkdq `mc bn l l tmhb`sd uh` DsgdqMds.HO+ OqnÏmds+ L ncatr SBO.HO `mc RML O nudq dsgdqmds nq l ncatr QST nudq

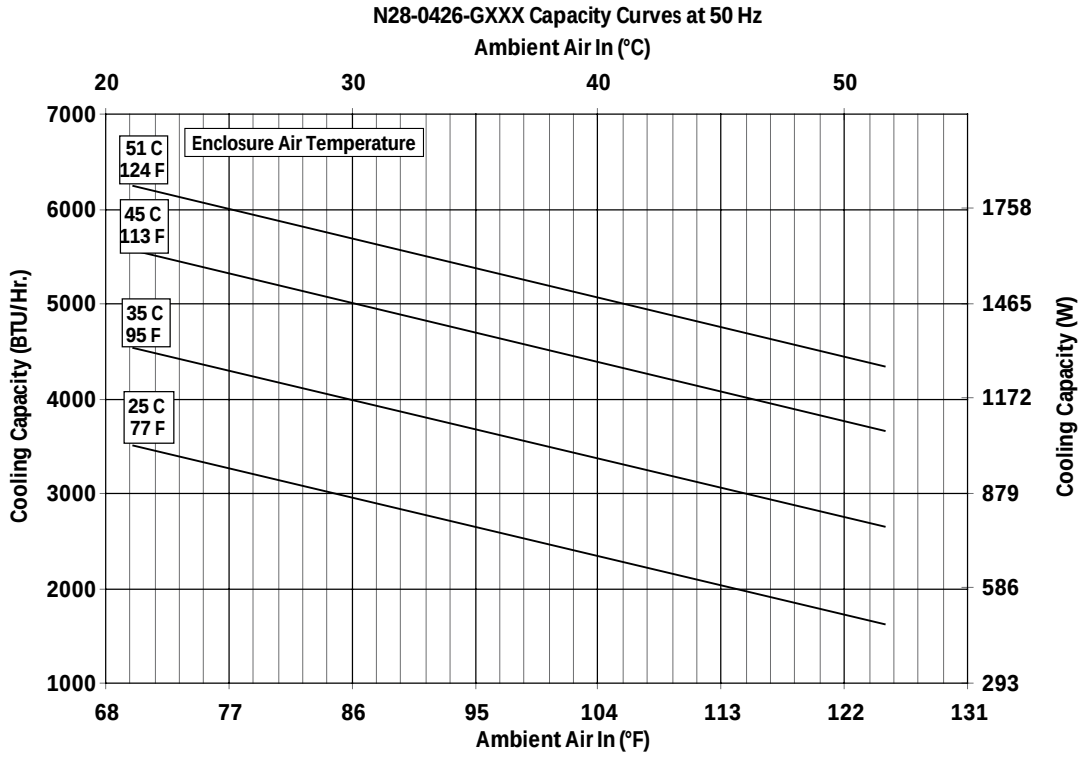
GG l

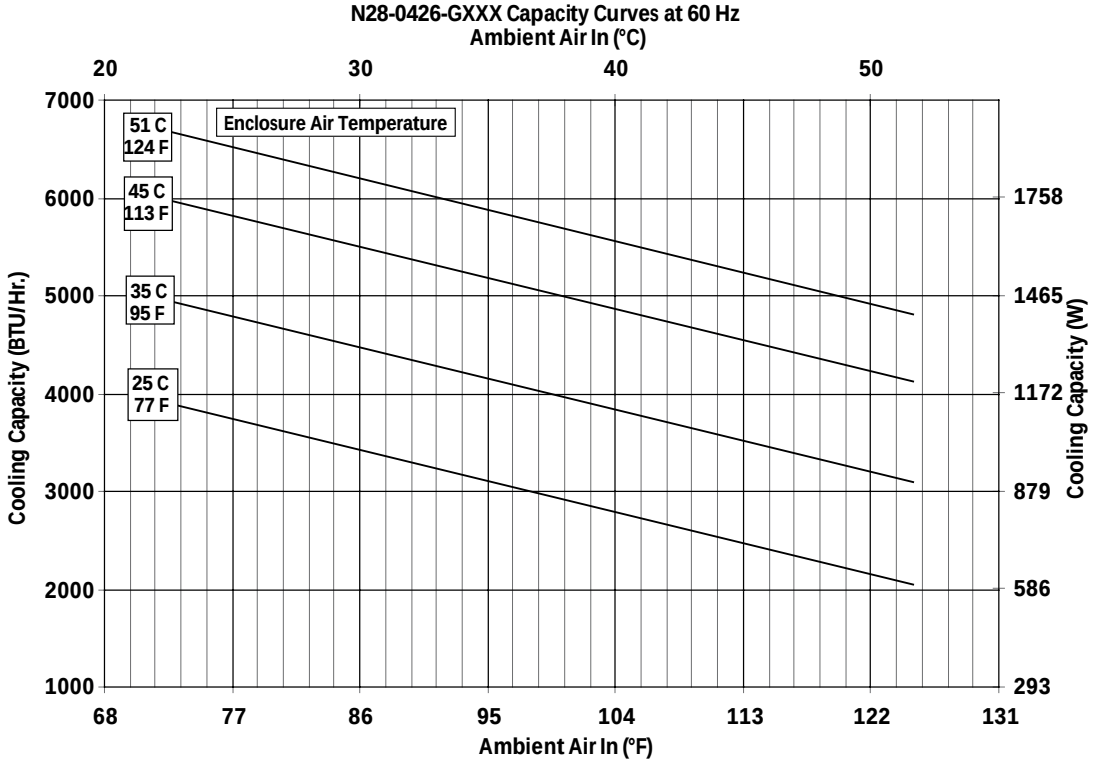
Performance Curves for N28 Models 4000 BTU/Hr. (1172 Watt)



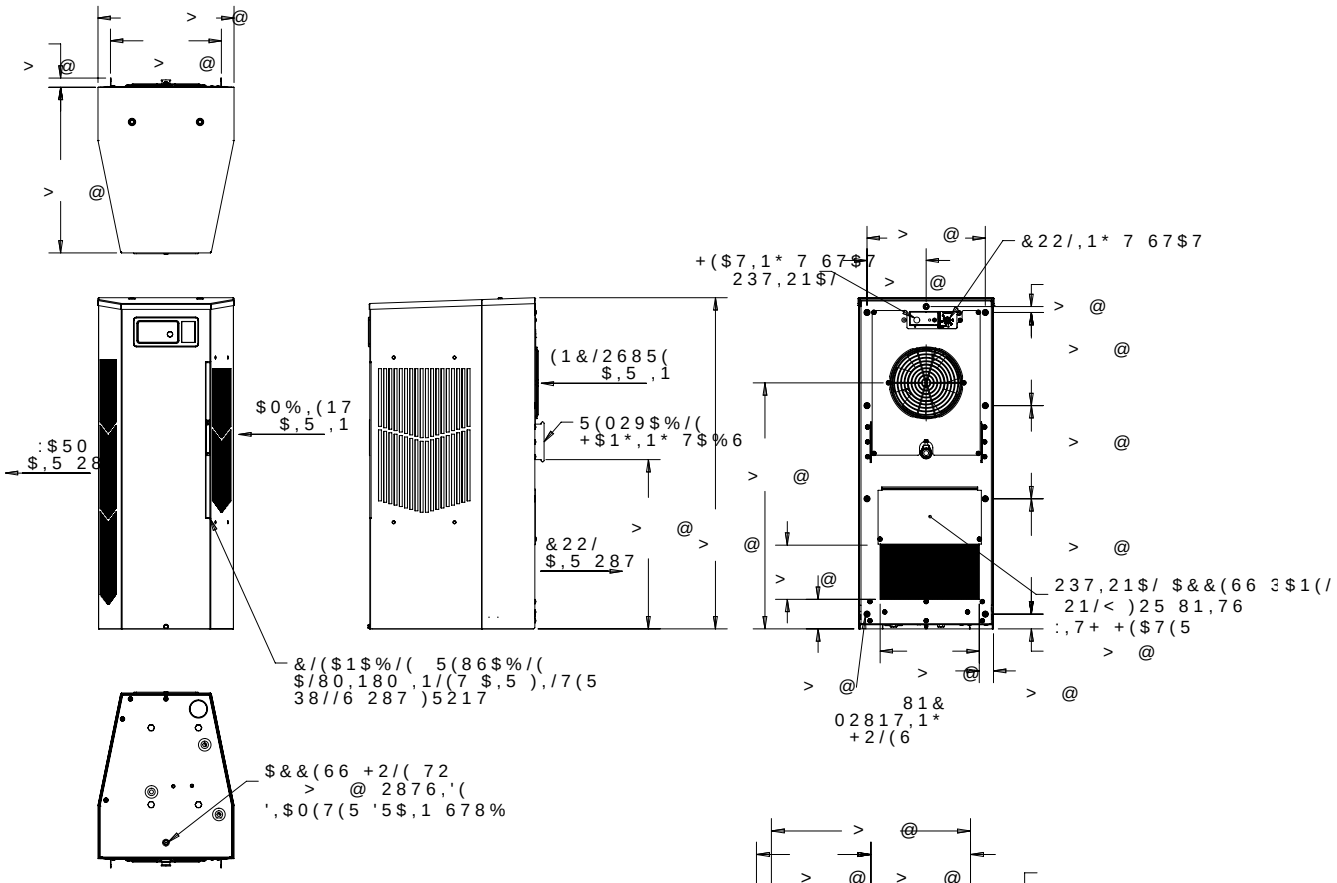


Performance Curves for N28 Models 4000 BTU/Hr. (1172 Watt)





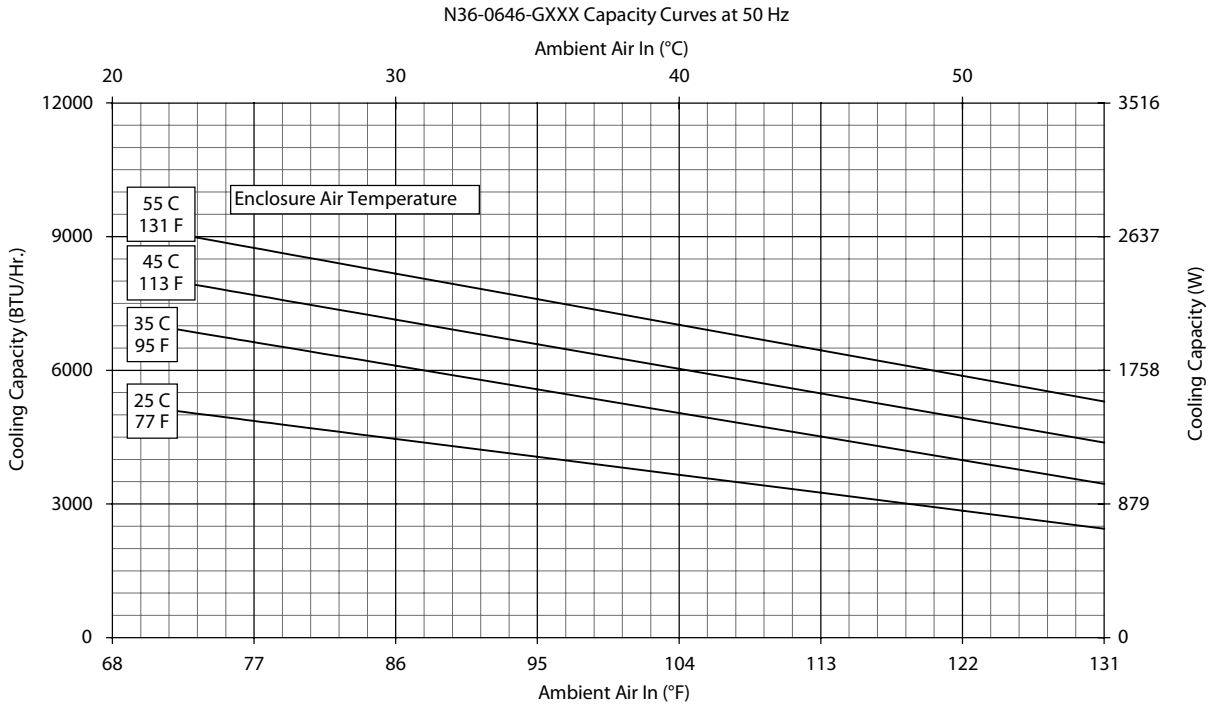
N28 Models 4000 BTU/H (1172 Watt)

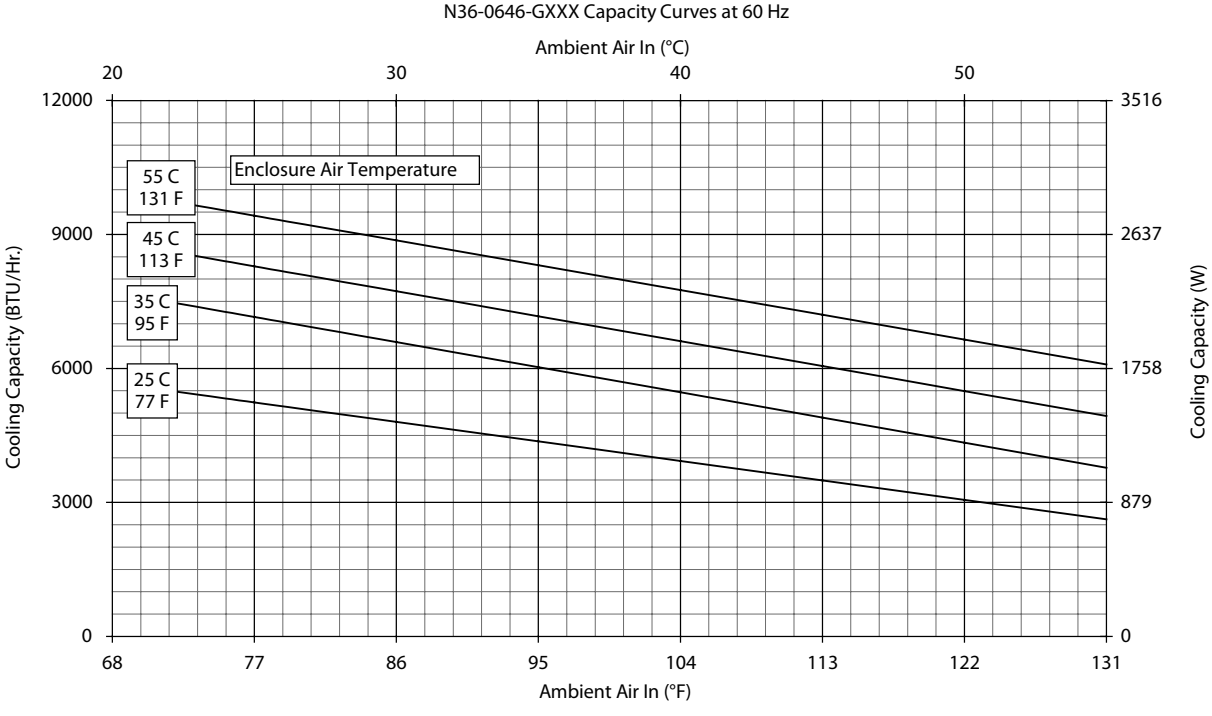


Cutout Dimensions

Visit to download 2D and 3D CAD drawings into the overall design of your electrical system

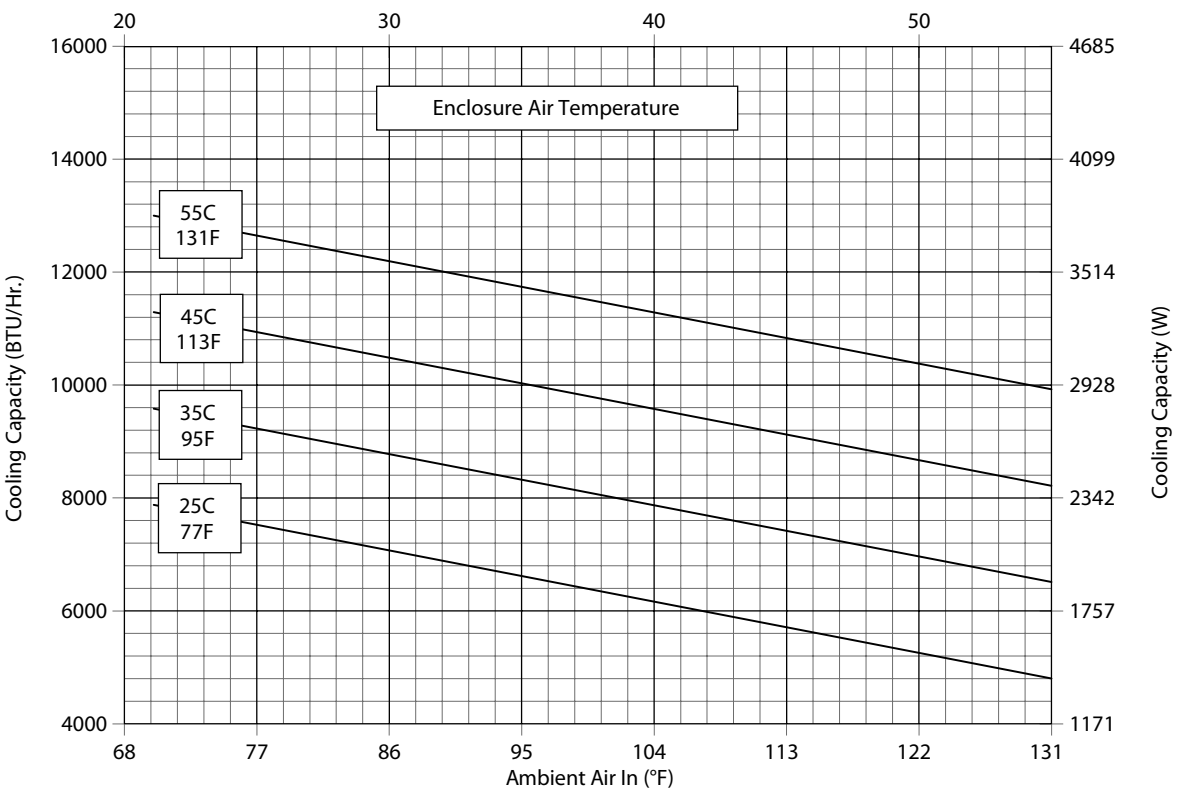
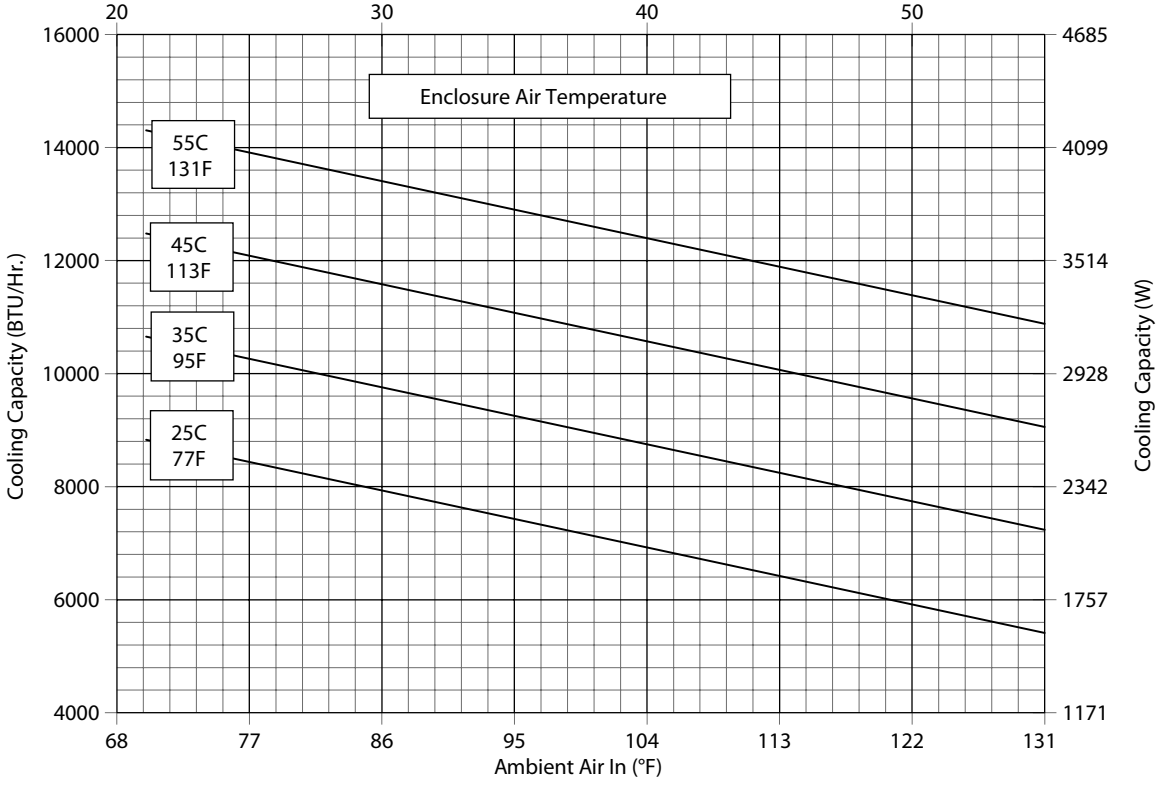
Performance Curves for N36 Models 6000 BTU/Hr. (1758 Watt)





Performance Curves for N43 Models 11000 BTU/Hr. (3223 Watt)

N43-1246-GXXX Capacity Curves at 50 Hz



N43-1246-GXXX Capacity Curves at 60 Hz