PROTEK DOUBLE-HINGED, UL AND NEMA TYPE 4, 4X OR 12

INDUSTRY STANDARDS

UL 508A Listed; File Number E61997
cUL Listed per CSA C22.2 No. 94; File Number E619967
Solid Door: Type 4 and 12
Window Door: Type 12
Solid Door, Stainless Steel: Type 4, 4X and 12

NEMA / EEMAC: Type 4, 4X or 12
IEC 60529, IP66 or IP55, IK 10

APPLICATION

ProTek Double-Hinged cabinets are an excellent, off-the-shelf choice for mounting 19-in. rack, panel-mounted devices or other electronic equipment. The cabinets are designed to provide both front and rear access to 19-in. rack-mounted equipment. They provide protection against water, dirt, corrosive agents and other contaminants. ProTek is an excellent choice for applications where space is at a premium and the only option is wall mounting. ProTek dp n f t!jo!b!cspbe!sboh f!pg!tj{ f t-! n bufsjbmt!boe!dpÅhvsbujpot!up! meet many demanding applications.

FEATURES

- Front and rear access to 19-in. rack equipment provided by three-part design: door, center section and wall section
- Solid door provides complete physical and visual protection
- Window door, made of scratch-resistant safety glass, provides visual monitoring of internal equipment while maintaining equipment protection
- All seams are fully welded and ground smooth
- Doors, center section and wall section are provided with ground studs to facilitate proper bonding and grounding of the cabinet
- Premium seamless, foam-in-place gasket prevents contaminants from entering the cabinet
- Keylocking wing knob is included on painted steel cabinet, providing access control to the cabinet; two keys are included with each cabinet
- Stainless steel cabinet is provided with a quarter-turn slotted latch
- One set of plated, self-grounding, tapped 10-32 rack angles per EIA universal spacing standards, which can be adjusted front-to-back, is provided with each center section of the cabinet; additional tapped- or square-hole rack angles can be added to the cabinet to provide additional mounting
- Wall section welded panel studs which accommodate standard panels (steel and wood available), can be ordered separately
- On 28-in. (700 mm) wide enclosures, a 4-in. vertical cable n bobhf s!xju i !dp n qptju f!Åoh fst!jt!qspwje fe!po! i joh f!tje f!pg! cabinet
- AC unit included (T15, N21 or N28) on models with AC cutout
- Tf f!U26-!O32!boe!O39!bjs!dpoejujpo fs!tq fdjÅdbujpot!gpnpxjoh! u i f!qspevdu!ubcmf t!gvmm!BD!tq fdjÅdbujpot!bwbjmbcmf!jo!u i f!Ui fs nbm! chapter

SPECIFICATIONS

- Doors made of 16 gauge; center and wall sections made of 14 gauge steel. Stainless steel enclosures made from Type 304 stainless steel
- Window made of .25-in. thick, scratch- and impact-resistant safety glass
- Rack angles made of plated 12 gauge steel
- M6 ground studs on door, center and wall sections are masked from paint
- Twenty 10-32 screws included with cabinet
- Foam-in-place gasket made of durable polyurethane

FINISH

- Pretreated steel coated with RAL 7035 light-gray, low-gloss, lightly textured polyester powder paint
- Tubjomf t t!tuf fm!jt!qspwje fe!xju i !bl!t n pplu i .hsbjo!Åojt i

LOAD RATING

Center hinged section:

Height	Maximum Load Rating
16 in.	175 lb./79.4 kg
24 in.	250 lb./113.4 kg
36 in.	300 lb./136.1 kg
48 in.	350 lb./158.8 kg
60 in.	400 lb./181.4 kg

ACCESSORIES

Locks and handles
Panels (steel and wood)
Grounding kits
Power Distribution Units (PDUs)
Rack angles

BULLETIN: DWDH2

Technical Operating Information AC Unit

AC	Hz	Voltage VAC	Phase	BTU/hr @ Max. Ambient Temp. (watts)	Full Load Amp	Max. Ambient Temp. (°F)	Max. Ambient Temp. (°C)	Cord and Plug
T15	60 (50)	115	1	800 (235 watts)	3.6 (3.8)	131 (125)	52 (52)	24-in. cord length 5-15P Plug
N21	60 (50)	115	1	2000 (586	7.0 (7.0)	131 (125)	52 (52)	24-in. cord length 5-15P Plug
N28	60 (50)	115	1	4000 (1172)	10.6 (10.0)	131 (125)	52 (52)	24-in. cord length 5-15P Plug

Standard Product¢ Rnkhc Cnnq+ MDL@ Sxod 3+ 01

Catalog Number	in./mm	Rack Units	F in./mm	P in./mm	Q in./mm	S in./mm	Optional Steel Panel	Optional Wood Panel	Additional Rack Angles [a]
PTHS162415G4	17.09 x 23.62 x 14.96 434 x 600 x 380	8	12.66 322	-- --	-- --	1.11 28	CP2014	--	PTRA16T or PTRA16S
PTHS242415G4	24.09 x 23.62 x 14.96 612 x 600 x 380	12	12.66 322	-- --	-- --	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHS242424G4	24.09 x 23.62 x 24.02 612 x 600 x 610	12	21.72 552	-- --	-- --	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHS242430G4	24.09 x 23.62 x 29.92 612 x 600 x 760	12	27.64 702	-- --	-- --	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHS242824G4	24.09 x 27.56 x 24.02 612 x 700 x 610	12	21.72 552	-- --	-- --	1.11 28	CP2420	--	PTRA24T or PTRA24S
PTHS362415G4	36.30 x 23.62 x 14.96 922 x 600 x 380	19	12.66 322	-- --	-- --	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHS362424G4	36.30 x 23.62 x 24.02 922 x 600 x 610	19	21.72 552	-- --	-- --	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHS362824G4	36.30 x 27.56 x 24.02 922 x 700 x 610	19	21.72 552	-- --	-- --	1.11 28	CP3024	--	PTRA36T or PTRA36S
PTHS482415G4	48.54 x 23.62 x 14.96 1233 x 600 x 380	26	12.66 322	-- --	-- --	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S
PTHS482424G4	48.54 x 23.62 x 24.02 1233 x 600 x 610	26	21.72 552	-- --	-- --	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S
PTHS482824G4	48.54 x 27.56 x 24.02 1233 x 700 x 610	26	21.72 552	-- --	-- --	1.11 28	CP2442	--	PTRA48T or PTRA48S
PTHS602415G4	60.04 x 23.62 x 14.96 1525 x 600 x 380	32	12.66 322	-- --	-- --	1.11 28	CP5620	--	PTRA60T or PTRA60S
PTHS602424G4	60.04 x 23.62 x 24.02 1525 x 600 x 610	32	21.72 552	-- --	-- --	1.11 28	CP5620	--	PTRA60T or PTRA60S
PTHS242436G4	24.09 x 23.62 x 36.02 612 x 600 x 915	12	33.72 856	-- --	-- --	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHS242836G4	24.09 x 27.56 x 36.02 612 x 700 x 915	12	33.72 856	-- --	-- --	1.11 28	CP2420	--	PTRA24T or PTRA24S
PTHS362436G4	36.30 x 23.62 x 36.02 922 x 600 x 915	19	33.72 856	-- --	-- --	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHS362836G4	36.30 x 27.56 x 36.02 922 x 600 x 915	19	33.72 856	-- --	-- --	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHS482436G4	48.54 x 23.62 x 36.02 1233 x 600 x 915	26	33.72 856	-- --	-- --	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S

[a] T = tapped 10-32, S = square hole (.375 in. x .375 in.)

Standard Product¢ Vhmcnv Cnnq+ MDL@ Sxod 01

Catalog Number	AxBxC in./mm	Rack Units	F in./mm	P in./mm	Q in./mm	S in./mm	Optional Steel Panel	Optional Wood Panel	Additional Rack Angles [a]
PTHW162415G2	17.09 x 23.62 x 14.96 434 x 600 x 380	8	12.66 322	11.87 301	15.38 391	1.11 28	CP2014	–	PTRA16T or PTRA16S
PTHW242415G2	24.09 x 23.62 x 14.96 612 x 600 x 380	12	12.66 322	18.25 464	15.38 391	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHW242424G2	24.09 x 23.62 x 24.02 612 x 600 x 610	12	21.72 552	18.25 464	15.38 391	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHW242430G2	24.09 x 23.62 x 29.92 612 x 600 x 760	12	27.64 702	18.25 464	15.38 391	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHW242824G2	24.09 x 27.56 x 24.02 612 x 700 x 610	12	21.72 552	18.25 464	19.38 492	1.11 28	CP2420	–	PTRA24T or PTRA24S
PTHW362415G2	36.30 x 23.62 x 14.96 922 x 600 x 380	19	12.66 322	30.75 781	15.38 391	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHW362424G2	36.30 x 23.62 x 24.02 922 x 600 x 610	19	21.72 552	30.75 781	15.38 391	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHW362430G2	36.30 x 23.62 x 29.92 922 x 600 x 760	19	27.64 702	30.75 781	15.38 391	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHW362824G2	36.30 x 27.56 x 24.02 922 x 700 x 610	19	21.72 552	30.75 781	19.38 492	1.11 28	CP3024	–	PTRA36T or PTRA36S
PTHW482415G2	48.54 x 23.62 x 14.96 1233 x 600 x 380	26	12.66 322	42.70 1085	15.38 391	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S
PTHW482424G2	48.54 x 23.62 x 24.02 1233 x 600 x 610	26	21.72 552	42.70 1085	15.38 391	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S
PTHW482430G2	48.54 x 23.62 x 29.92 1233 x 600 x 760	26	27.64 702	42.70 1085	15.38 391	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S
PTHW482824G2	48.54 x 27.56 x 24.02 1233 x 700 x 610	26	21.72 552	42.70 1085	19.38 492	1.11 28	CP2442	–	PTRA48T or PTRA48S
PTHW602415G2	60.04 x 23.62 x 14.96 1525 x 600 x 380	32	12.66 322	54.39 1377	15.38 391	1.11 28	CP5620	–	PTRA60T or PTRA60S
PTHW602424G2	60.04 x 23.62 x 24.02 1525 x 600 x 610	32	21.72 552	54.39 1377	15.38 391	1.11 28	CP5620	–	PTRA60T or PTRA60S
PTHW242436G2	24.09 x 23.62 x 36.02 612 x 600 x 915	12	33.72 856	18.25 464	15.38 391	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S
PTHW242836G2	24.09 x 27.56 x 36.02 612 x 700 x 915	12	33.72 856	18.25 464	19.38 492	1.11 28	CP2420	–	PTRA24T or PTRA24S
PTHW362436G2	36.30 x 23.62 x 36.02 922 x 600 x 915	19	33.72 856	30.75 781	15.38 391	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S
PTHW362836G2	36.30 x 27.56 x 36.02 922 x 700 x 915	19	33.72 856	30.75 781	19.38 492	1.11 28	CP3024	–	PTRA36T or PTRA36S
PTHW482436G2	48.54 x 23.62 x 36.02 1233 x 600 x 915	26	33.72 856	42.70 1085	15.38 391	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S
PTHW482836G2	48.54 x 27.56 x 36.02 1233 x 700 x 915	26	33.72 856	42.70 1085	19.38 492	1.11 28	CP2442	–	PTRA48T or PTRA48S

[a] T = tapped 10-32, S = square hole (.375 in. x .375 in.)

Cable manager supplied with 700 mm wide enclosures

Standard Product¢ Rnkhc Cnnq Rs`hmkdrr Rsddk+ MDL@ Sxod 3+ 3W+ 01

Catalog Number	AxBxC in./mm	Rack Units	F in./mm	P in./mm	Q in./mm	S in./mm	Optional Steel Panel	Optional Wood Panel	Additional Rack Angles [a]
PTHS242415X	24.09 x 23.62 x 14.96 612 x 600 x 380	12	12.65 321	— —	— —	.80 20	CP2020	CP2020W	PTRA24T or PTRA24S
PTHS242424X	24.09 x 23.62 x 24.02 612 x 600 x 610	12	21.71 551	— —	— —	.80 20	CP2020	CP2020W	PTRA24T or PTRA24S
PTHS362415X	36.30 x 23.62 x 14.96 922 x 600 x 380	19	12.65 321	— —	— —	.80 20	CP3220	CP3220W	PTRA36T or PTRA36S
PTHS362424X	36.30 x 23.62 x 24.02 922 x 600 x 610	19	21.71 551	— —	— —	.80 20	CP3220	CP3220W	PTRA36T or PTRA36S
PTHS482415X	48.62 x 23.62 x 14.96 1235 x 600 x 380	26	12.65 321	— —	— —	.80 20	CP4420	CP4420W	PTRA48T or PTRA48S
PTHS482424X	48.62 x 23.62 x 24.02 1235 x 600 x 610	26	21.71 551	— —	— —	.80 20	CP4420	CP4420W	PTRA48T or PTRA48S
PTHS242436X	24.09 x 23.62 x 36.02 612 x 600 x 915	12	33.72 856	— —	— —	.80 20	CP2020	CP2020W	PTRA24T or PTRA24S
PTHS362436X	36.30 x 23.62 x 36.02 922 x 600 x 915	19	33.72 856	— —	— —	.80 20	CP3220	CP3220W	PTRA36T or PTRA36S

[a] T = tapped 10-32, S = square hole (.375 in. x .375 in.)

Standard Product¢ Rnkhc Cnnq @B+ MDL@ Sxod 3+ 01

Catalog Number	AxBxC in./mm	Rack Units	F in./mm	P in./mm	Q in./mm	S in./mm	Optional Steel Panel	Optional Wood Panel	Additional Rack Angles [a]	AC
PTHS242428G4A	24.09 x 23.62 x 27.95 612 x 600 x 710	12	25.65 652	— —	— —	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S	T150116G100 [b]
PTHS362428G4A	36.30 x 23.62 x 27.95 922 x 600 x 710	19	25.65 652	— —	— —	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S	T150116G100 [b]
PTHS482428G4A	48.54 x 23.62 x 27.95 1233 x 600 x 710	26	25.65 652	— —	— —	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S	T150116G100 [b]
PTHS242430G4A	24.09 x 23.62 x 31.06 612 x 600 x 789	12	28.76 731	— —	— —	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S	N210216G108 [c]
PTHS362430G4A	36.30 x 23.62 x 31.06 922 x 600 x 789	19	28.76 731	— —	— —	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S	N280416G108 [d]
PTHS482430G4A	48.54 x 23.62 x 31.06 1233 x 600 x 789	26	28.76 731	— —	— —	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S	N280416G108 [d]

[a] T = tapped 10-32, S = square hole (.375 in. x .375 in.)

[b] 800 BTU/Hr. AC included with cabinet

[c] 2000 BTU/Hr. AC included with cabinet

[d] 4000 BTU/Hr. AC included with cabinet

Standard Product¢ Vhmcnv Cnnq @B+ MDL@ Sxod 01

Catalog Number	AxBxC in./mm	Rack Units	F in./mm	P in./mm	Q in./mm	S in./mm	Optional Steel Panel	Optional Wood Panel	Additional Rack Angles [a]	AC
PTHW242428G2A	24.09 x 23.62 x 27.95 612 x 600 x 710	12	25.65 652	18.25 464	12.38 391	1.11 28	CP2020	CP2020W	PTRA24T or PTRA24S	T150116G100 [b]
PTHW362428G2A	36.30 x 23.62 x 27.95 922 x 600 x 710	19	25.65 652	30.75 781	15.38 391	1.11 28	CP3220	CP3220W	PTRA36T or PTRA36S	T150116G100 [b]
PTHW482428G2A	48.54 x 23.62 x 27.95 1233 x 600 x 710	26	25.65 652	42.70 1085	15.38 391	1.11 28	CP4420	CP4420W	PTRA48T or PTRA48S	T150116G100 [b]

[a] T = tapped 10-32, S = square hole (.375 in. x .375 in.)

[b] 800 BTU/Hr. AC included with cabinet

Standard Product¢ Rnkhc Cnnq Rs`hmkdrr Rsddk @B+ MDL@ Sxod 3+ 3W+ 01

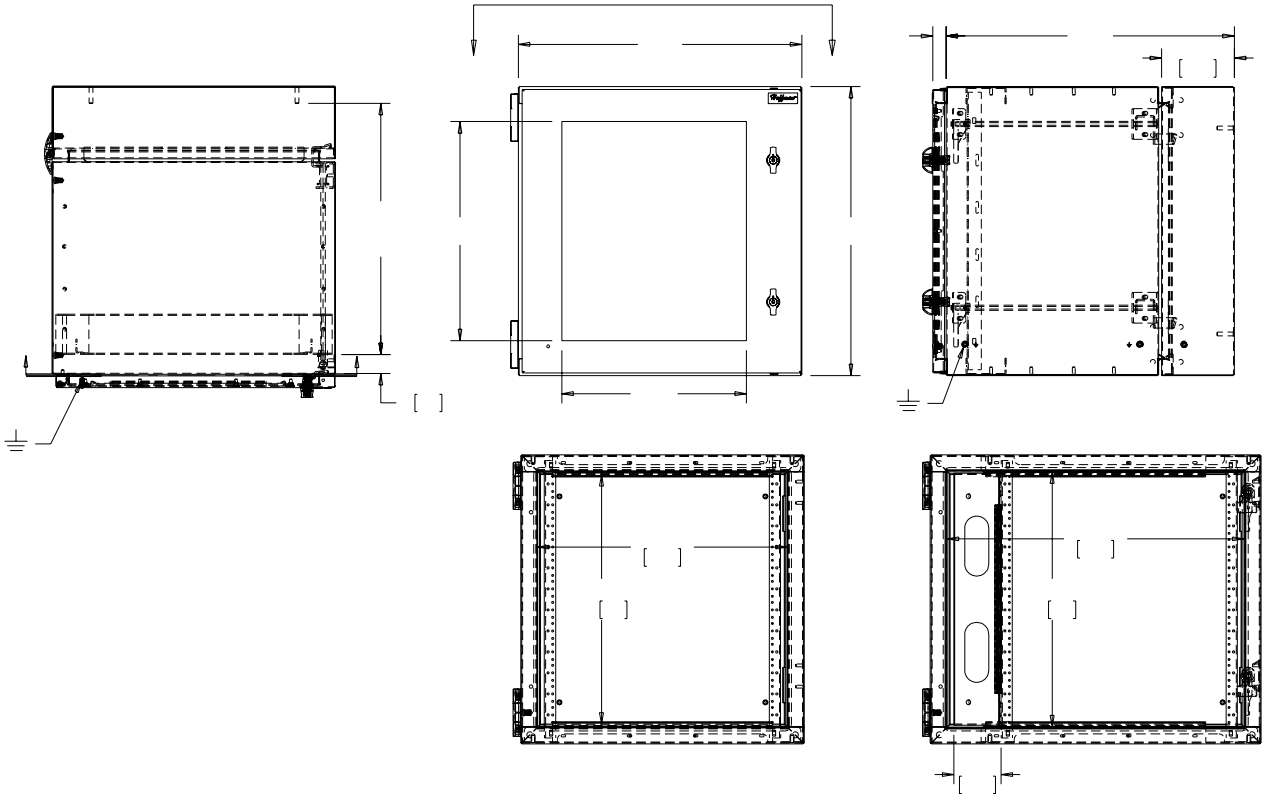
Catalog Number	AxBxC in./mm	Rack Units	F in./mm	P in./mm	Q in./mm	S in./mm	Optional Steel Panel	Optional Wood Panel	Additional Rack Angles [a]	AC
PTHS242428XA	24.45 x 23.62 x 27.95 621 x 600 x 710	12	25.65 652	--- ---	--- ---	.80 20	CP2020	CP2020W	PTRA24T or PTRA24S	T150116G152 [b]
PTHS362428XA	36.30 x 23.62 x 27.95 922 x 600 x 710	19	25.65 652	--- ---	--- ---	.80 20	CP3220	CP3220W	PTRA36T or PTRA36S	T150116G152 [b]
PTHS482428XA	48.62 x 23.62 x 27.95 1235 x 600 x 710	26	25.65 652	--- ---	--- ---	.80 20	CP4420	CP4420W	PTRA48T or PTRA48S	T150116G152 [b]
PTHS242430XA	24.09 x 23.62 x 31.06 612 x 600 x 789	12	28.76 731	--- ---	--- ---	.80 20	CP2020	CP2020W	PTRA24T or PTRA24S	N210216G118 [c]
PTHS362430XA	36.30 x 23.62 x 31.06 922 x 600 x 789	19	28.76 731	--- ---	--- ---	.80 20	CP3220	CP3220W	PTRA36T or PTRA36S	N280416G118 [d]
PTHS482430XA	48.54 x 23.62 x 31.06 1233 x 600 x 789	26	28.76 731	--- ---	--- ---	.80 20	CP4420	CP4420W	PTRA48T or PTRA48S	N280416G118 [d]

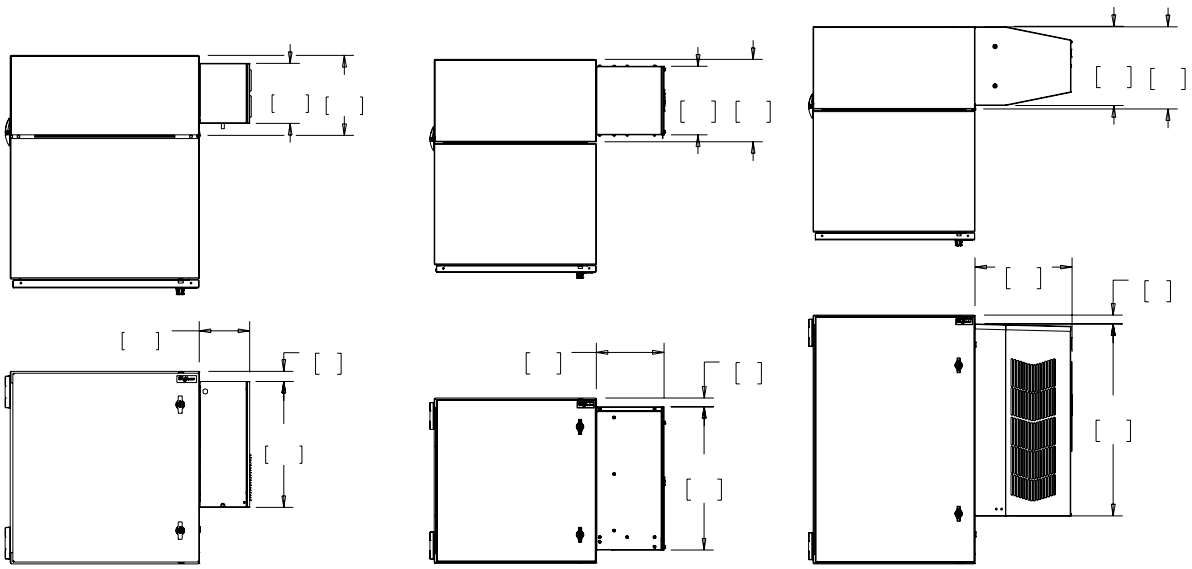
[a] T = tapped 10-32, S = square hole (.375 in. x .375 in.)

[b] 800 BTU/Hr. AC included with cabinet

[c] 2000 BTU/Hr. AC included with cabinet

[d] 4000 BTU/Hr. AC included with cabinet





nVent | HOFFMAN

T15 AIR CONDITIONER SPECIFICATIONS

Performance Data¢ S04 7 / / AST.Gq- '123 V`ss(L ncdkr

B@S@KNF MT L ADQ	
Outdoor Model without Heat Pkg.	T150116G100
Outdoor Model/SST/Corrosion/4X	T150116G152
COOLING PERFORMANCE	
Mn I hm`k9	
AST.Gq-	7 / / .7 / /
V`ss r	124.124
At 131 F/131 F (55 C/55 C):	
BTU/Hr. (50/60 Hz)	819
W (50/60 Hz)	240
At 95 F/95 F (35 C/35 C):	
BTU/Hr. (50 /60 Hz)	948
W (50/60 Hz)	278
Refrigerant	R-134A
Refrigerant Charge (ounces/grams)	4/113
Operating Temperature Range:	
Maximum (°F/°C)	131/55
Minimum (°F/°C)	-40/-40
Airflow at 0 Static Pressure:	
Internal loop 50 Hz (CFM / m^3/hr.)	25/42
External loop 50 Hz (CFM / m^3/hr.)	48/82
Internal loop 60 Hz (CFM / m^3/hr.)	30/51
External loop 60 Hz (CFM / m^3/hr.)	53/90
Max. Heater W (Outdoor Models)	150
ELECTRICAL DATA	
Q`sdc Unks`fd	0 / / .004
Frequency (Hz)	50/60
Operating Range	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	360/403
Max. Nominal Current (A at 50/60 Hz)	3.6/3.5
Starting Current (A)	8.0/9.2
Agency Approvals	UL/cUL Listed CE EAC Others available upon request
Power Input Description	6-ft. cord with NEMA 5-15 plug
ENCLOSURE PROTECTION	
UL Type	Type 12, 3R, 4 standard Type 4X Stainless steel optional
CONTROLLER	
Description	Basic mechanical thermostat
Thermostat Location	Enclosure behind front panel
Factory Thermostat Setting (°F/°C)	80/27
RNTMC KDUDK	
At 1.5 Meters	63 dB(A)
UNIT CONSTRUCTION	
Material	Galvanized sheet metal standard Stainless steel optional
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard
UNIT DIMENSIONS	
Height (in./mm)	15.75/400
Width (in./mm)	7.5/191
Depth (in./mm)	6.3/160
Weight (lb./kg)	27/12

N21 AIR CONDITIONER SPECIFICATIONS

Performance Data þ 0 $67 *T 9CVV /QFGNU

%#6#.1) 07/$'4	
Indoor Model	N210216G108
Outdoor Model Stainless Steel Type 4X	N210216G118
COOLING PERFORMANCE	
0QOKPCN	
$67 *T	
9CVVU	
At 131 F/131 F (55 C/55 C):	
BTU/Hr. (50/60 Hz)	2000/2175
W (50/60 Hz)	586/637
At 95 F/95 F (35 C/35 C):	
BTU/Hr. (50/60 Hz)	1950/2200
W (50/60 Hz)	571/645
Refrigerant	R134A
Refrigerant Charge (ounces/grams)	6.5/184
Operating Temperature Range:	
Maximum (°F/°C)	131/55
Minimum (°F/°C)	-40/-40
Airflow at 0 Static Pressure:	
Internal loop 50 Hz (CFM / m^3/hr.)	77/131
External loop 50 Hz (CFM / m^3/hr.)	150/255
Internal loop 60 Hz (CFM / m^3/hr.)	91/155
External loop 60 Hz (CFM / m^3/hr.)	165/280
Max. Heater W (Outdoor Models)	500
ELECTRICAL DATA	
4CVGF 8QNVCIG	
Frequency (Hz)	50/60
Operating Range	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	700/805
Max. Nominal Current (A at 50/60 Hz)	7.0/7.0
Starting Current (A)	19
Agency Approvals	cUL Listed CE EAC Others available upon request
Power Input Description	Terminal Block
ENCLOSURE PROTECTION	
UL Type	Type 12, 3R, 4 standard Type 4X Stainless steel optional
CONTROLLER	
Description	Basic mechanical thermostat
Thermostat Location	Enclosure side on all base models
Factory Thermostat Setting (°F/°C)	80/27
5170& .'8'.	
At 1.5 Meters	66 dB(A)
UNIT CONSTRUCTION	
Material	Galvanized sheet metal standard Stainless steel optional
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standa rd Other colors available
UNIT DIMENSIONS	
Height (in./mm)	20.92/531
Width (in./mm)	10.00/254
Depth (in./mm)	9.90/251
Weight (lb./kg)	56/25