

# INTELLIGENT & STANDARD FAN DOORS

## for CPI Cabinet Systems

### KEY FEATURES

- Door-mounted fans draw heated air from the inside to the outside of the cabinet.
- Integrated temperature sensors on Intelligent Fan Doors increase the speed of fans as heat increases within the cabinet.
- Multiple power connections allow attachment to different circuits for power redundancy.
- Order pre-installed on new cabinet orders.

### APPLICATIONS

- Use Intelligent Fan Doors on the rear of CPI MegaFrame®, SlimFrame™ or SteelFrame Cabinets that support rack-mount computer and data storage equipment.
- Intelligent Fan Doors remove heat from the rear of the cabinet and help prevent overheating and equipment failures.

### USE WITH

- M-Series MegaFrame® Cabinet System
- C-Series SlimFrame Cabinet System
- T-Series SteelFrame Cabinet System

### RELATED ACCESSORIES

- Electronic Locking Systems
- Air Dam Kit
- Air Diverter Kit
- Delphi ECS Enclosure Blower
- Vented or Perforated Doors



Intelligent Fan Doors are thermal management accessories for use with CPI M-Series MegaFrame® Cabinet System, C-Series SlimFrame™ Cabinet System and T-Series SteelFrame Cabinet System.

Intelligent Fan Doors remove heated air from the cabinet. Intelligent Fan Doors are used to replace the rear door on cabinets that support rack-mount computer and data storage equipment, which exhausts heated air at the rear of the cabinet. Intelligent Fan Doors help prevent the buildup of heated air inside the cabinet, which can cause equipment to overheat and shut down.

Intelligent Fan Doors use a solid-state temperature control to vary fan speed from an ultra quiet low speed at low air temperature through increasingly higher speeds as temperature rises. Peak exhaust airflow can reach 960 CFM. Intelligence allows this system to deliver cooling when and where it is needed while keeping the noise to a minimum.

Intelligent Fan Doors are available for 4' high, 6' high, 6'-6" high and 7' high cabinets. The 4' Intelligent Fan Door includes a single 4-fan assembly with a single power connection. The taller doors have two 4-fan assemblies each with a separate power connection. Standard Fan Doors using single-speed fans are also available.

Intelligent Fan Doors and Standard Fan Doors may be ordered as accessories or pre-configured on new cabinet orders. Contact CPI Technical Support for configuration assistance (800-834-4969).

**SPECIFICATIONS**

**Fan Doors**

- For MegaFrame, SlimFrame and SteelFrame Cabinets
- Door Heights:  
7' (84"), 6'-6" (78"), 6' (72"), 4' (48")  
4' high model includes 4 fans  
All other models include 8 fans
- Power Connection(s):  
15' long, grounded power cord  
115 VAC straight plug (NEMA 5-15P)  
Single connection for 4' high door  
Two connections for all other doors
- Materials:  
MegaFrame/SlimFrame Doors - aluminum extrusion frame, aluminum sheet panel  
SteelFrame Door - steel sheet  
Fan assembly-metal housing, individual fans are plastic
- Finish:  
MegaFrame/SlimFrame Doors- anodized frame, door panel painted black, computer white or gray  
SteelFrame Doors - painted black, computer white or gray  
Fan assembly-black only

**Intelligent (Variable Speed) Fan Doors**

- Per Fan Power Requirement:  
12 VDC, .72 Amp (max)  
(1) 10'L cord; IEC C-13 to NEMA 5-15P plugs
- Per Fan Power Consumption:  
7.2 Watts (max)
- Per Fan Air Flow:  
65 CFM = 77°F to 120 CFM = 104°F, depending on air temperature at fan
- Per Fan Noise Level:  
34 dB - 49 dB, depending on airflow

**Standard (Single-Speed) Fan Doors**

- Per Fan Power Requirement:  
115 VAC, .19 Amp at 60 Hz  
(2) detachable power cords with IEC C-13 to NEMA 5-15P plugs
- Per Fan Power Consumption:  
13.4 Watts
- Per Fan Air Flow:  
100 CFM (800 CFM total)
- Per Fan Noise Level:  
42 dB (1 meter max)

**ORDERING INFORMATION**

Intelligent Fan Doors with solid-state temperature controls					
Part Number	Description	# of Fans	Power Cords	Air Flow (Max)	Shipping Weight
<b>For M-Series MegaFrame Cabinet System</b>					
13212-X10	19"W x 7'H	8	2	960 CFM	46 lb
13212-X11	19"W x 6'6"H	8	2	960 CFM	45 lb
13212-X12	19"W x 6'H	8	2	960 CFM	46 lb
13212-X15	19"W x 4'H	4	1	480 CFM	47 lb
13212-X20	23"W x 7'H	8	2	960 CFM	48 lb
13212-X21	23"W x 6'6"H	8	2	960 CFM	47 lb
13212-X22	23"W x 6'H	8	2	960 CFM	46 lb
13212-X25	23"W x 4'H	4	1	480 CFM	43 lb
<b>For C-Series SlimFrame Cabinet System</b>					
13213-X10	19"W x 7'H	8	2	960 CFM	44 lb
13213-X11	19"W x 6'6"H	8	2	960 CFM	43 lb
13213-X12	19"W x 6'H	8	2	960 CFM	43 lb
<b>For T-Series SteelFrame Cabinet System</b>					
13214-X10	For T1, 19"W x 7'H	8	2	960 CFM	66 lb
13214-X11	For T1, 19"W x 6'6"H	8	2	960 CFM	63 lb
13214-X20	For T2, 19"W x 7'H	8	2	960 CFM	71 lb
13214-X21	For T2, 19"W x 6'6"H	8	2	960 CFM	68 lb

Standard Fan Doors					
Part Number	Description	# of Fans	Power Cords	Air Flow (Max)	Shipping Weight
<b>For M-Series MegaFrame Cabinet System</b>					
13222-X10	19"W x 7'H	8	2	800 CFM	56 lb
13222-X11	19"W x 6'6"H	8	2	800 CFM	55 lb
13222-X12	19"W x 6'H	8	2	800 CFM	56 lb
13212-X15	19"W x 4'H	4	1	400 CFM	52 lb
13222-X20	23"W x 7'H	8	2	800 CFM	58 lb
13222-X21	23"W x 6'6"H	8	2	800 CFM	57 lb
13222-X22	23"W x 6'H	8	2	800 CFM	56 lb
13222-X25	23"W x 4'H	4	1	400 CFM	48 lb
<b>For C-Series SlimFrame Cabinet System</b>					
13213-X10	19"W x 7'H	8	2	800 CFM	54 lb
13213-X11	19"W x 6'6"H	8	2	800 CFM	53 lb
13213-X12	19"W x 6'H	8	2	800 CFM	53 lb
<b>For T-Series SteelFrame Cabinet System</b>					
13214-X10	For T1, 19"W x 7'H	8	2	800 CFM	76 lb
13214-X11	For T1, 19"W x 6'6"H	8	2	800 CFM	73 lb
13214-X20	For T2, 19"W x 7'H	8	2	800 CFM	81 lb
13214-X21	For T2, 19"W x 6'6"H	8	2	800 CFM	78 lb

**Notes:** X=Color: 1=Gray, 2=White, 7=Black. Doors reduce usable depth in cabinet by 1.5". MegaFrame and SlimFrame versions available with CPI Electronic Locking Systems and as double door. Contact CPI to pre-configure doors on new cabinets.

