

SPEC SHEET

Fabric Doors

M2 Power Door



DESCRIPTION:

Wind-Resistant High Performance Door:

The DYNACO Power M2 high performance door requires little maintenance, is easy to use and is durable. It is ideal for industrial facilities, warehouses, hangars, production or transport facilities.

The high performance door withstands and operates in moderate to high wind load or pressure. Its fast open/close door cycle keeps your operation running smoothly.

Gain Significant Energy Savings:

Keep strong winds, rain, snow, dirt, drafts and extreme temperatures outside with the superior and tight seal of this high performance door. The DYNACO Power M2 door conserves energy and reduces costs with better control over your indoor climate.

Keep your people, products and equipment safe with a curtain free of rigid elements. Avoid production downtime and reduce maintenance costs with a door curtain that reinserts itself into the side guides if inadvertently dislodged.

GENERAL INFORMATION: Designed for interior and exterior applications to 324 ft², DYNACO Power M2 doors provide reliable environmental control while increasing productivity and safety. The door is designed to guard against the harshest environmental conditions thus preventing the infiltration of dirt, contaminants, snow, rain, and wind.

Incorporating patented "Push Pull" gear drive technology, the Power M2 operates at higher open and close speed than gravity doors, therefore providing better environment control and energy conservation. Further, the door operates and resists wind and pressure without the need for weighted or rigid components, reducing maintenance and increasing safety.

WARRANTY:

DYNACO's Power Series include an industry leading 5-year limited cycle warranty on the drive motor and 5 years on manufacturers defects. One year on balance of components.

Standard Features

Door Operation

Gear driven "push-pull" system positively drives the curtain both directions, eliminating maintenance and damage prone tension systems, wind stiffeners and bottom bars.

High Wind Load Resistance and Operation

Patented "push-pull" drive locks are attached to the end of the curtain material and run continuously along the full height of the door, providing operation in pressures up to 95 mph.

Safety Engineered

Each door panel comes standard with a unique soft curtain, which prevents many hard edge accidents. No stiffeners or rigid bottom bars to injure workers or damage equipment. A wireless reversing edge and built-in infrared sensors protect against 4 different types of accidents.

Drive Unit and Control

IP65 rated direct drive unit utilizes soft start/stop technology, absolute encoder and dynamic braking. Maintenance prone limit switches and mechanical brakes are eliminated. A state of the art DYNALOGIX controller is user friendly and provides self-diagnostic and programming functions. A view window in the NEMA 4 enclosure lets you read door status on the multi character LCD screen. A rotary disconnect, push button and E-stop are standard.

TECHNICAL SPECIFICATIONS

Door Dimensions	Minimum: 6' W x 6'H Maximum: 18'W x 18'H
Operating Speed	Up to 96" per second open Up to 48" per second closing
Safety Features	Wireless reversing edge and built-in infrared sensors. No coil cords.
Door Panel	27oz reinforced PVC vinyl with your choice of color and vision. DYNALUMIN daylight fabric available.
Wind Resistance	Applications to 324 ft2 resist static pressure of 14.62psf. Smaller doors have greater pressure resistance.
Door Components	Direct Drive Unit. Side frames constructed of structural galvanized steel channels of 3 1/8" x 1 9/16" x 1/8". Inner guides in polyethylene (PEUHMW 1000).
Control and Drive System	UL approved control system housed in NEMA 4 enclosure. DYNALOGIX II controller with variable frequency drive and high resolution encoder. Voltage: 208-240VAC, 480 VAC, 575VAC. Motor 2 HP 60 Hz. Protection degree NEMA 4.
Optional Egress Safety Systems	Code compliant egress systems or battery backup available.

Standard Features (cont.)

High Speed Operation

Depending on door size operation speeds up to 96" per second opening and standard 48" per second close provide energy savings, environmental control and workflow productivity.

Additional Options

Fully customizable:

- Voltage
- control box
- special functions
- audible signals
- visual signals
- heat options
- interlock
- safety options
- battery
- EZX Berners
- Material
- Covers
- door curtain
- vision & screen
- mechanical options
- fore-frame
- remote stations
- manual/automatic opening commands



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