

# PRE-ENGINEERED DRIVE SYSTEMS INDEX

## How to use this section

This section covers our MILLENNIUM COMPLETE, MILLENNIUM REMOTE, and GENESIS COMPLETE Pre-Engineered Drive Systems. Select the proper system using one of the following procedures.

- If you are already familiar with these systems and the available options, refer to the MILLENNIUM COMPLETE & REMOTE Model Number Codes beginning on page 110, or the GENESIS COMPLETE Model Number Codes beginning on page 116 to verify the coded information.
- If you are not familiar with these systems and the available options refer to the MILLENNIUM system options on page 111, the GENESIS system options on page 117 and/or the index at the right. Construct a model number after all the technical parameters, including options, are determined.

## Pre-Engineered Drive Systems

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# PRE-ENGINEERED DRIVE SYSTEMS

## Pre-Engineered Drive Systems

Pacific Scientific offers a wide range of Pre-Engineered Drive Systems for the Millennium and Genesis Series of drives. We can also design custom systems specific to your demanding applications. Our systems save you time and money by providing you with a thoroughly tested drive system that is constructed to the highest standards in the industry.

## Readily Available, Field-Proven Designs

Our Pre-Engineered Drive Systems are the fastest, most cost-effective way to get your drive into machine commissions. Expect superior system reliability from a field-proven design by the factory engineers that know the drive product best. Drive system

panels are repetitively constructed by factory trained technicians to complement overall reliability.

These Drive Systems provide a flexible selection of standard options including:

- a wide variety of application-specific controls
- dynamic brakes
- blower motor starter kits
- operator interface options

## Easy To Order

Pre-Engineered Drive Systems are convenient to order. Select the motor and appropriate drive that your application requires, without any additional options. This determines your base system. Then, select from the many standard options required to complete your system.

## Custom Systems

Should your application have special requirements, our engineering staff is available to design a system ideally suited to your needs. A custom panel might include a multiple drive system, special operator interface options or the inclusion of a PLC. Our engineers have many years of application experience in numerous fields including plastic extrusion, test stands, wire drawing, converting, and web handling. We have experience with major brands of PLCs, HMIs, and networks.

## Highest Quality Construction

Each Drive System is constructed to the highest standards, providing years of maintenance free operation. Standard construction features on our systems include:

- NEMA 1 panel enclosures
- Through door circuit breaker
- Terminal blocks for user connections
- Control transformer
- Cooling fans
- Wire ferrules and tags on each conductor
- Device tags for each component
- Wire trays
- Terminal end stops
- Maximum of two conductors at any terminal

... These steps and 100% functional testing, implemented by our highly trained technicians, ensure you the highest quality system in the industry.



# PRE-ENGINEERED DRIVE SYSTEMS

## FEATURES

## BENEFITS

Proven, fully engineered systems	<ul style="list-style-type: none"> <li>– Provides a field-tested design with the assurance that details are not overlooked</li> <li>– Highest possible performance — systems are optimized by Pacific Scientific, the drive designer and manufacturer</li> <li>– Faster Delivery — time consuming process of design and quotation are eliminated</li> <li>– Lower cost — engineering development is eliminated</li> <li>– System UL Certification available</li> </ul>
High Reliability	<ul style="list-style-type: none"> <li>– Continuous quality refinements from years of design, material, and quality assurance improvements substantiated by formal test programs.</li> <li>– Fewer production interruptions and associated cost of scrap—conversely, more production hours, less maintenance, and higher profits.</li> </ul>
Easy to Specify and Order	<ul style="list-style-type: none"> <li>– Complete specifications in this catalog. Select the motor and drive, then choose the system options</li> <li>– Model number codes account for all standard and optional features. A single model number defines a complete system</li> </ul>
Single Vendor Responsibility	<ul style="list-style-type: none"> <li>– Never a question of who to contact should you need assistance with application engineering, quotations or delivery schedules</li> <li>– No duplicate orders, invoices and payments</li> <li>– No need to qualify multiple vendors</li> </ul>
Standard two year warranty	<ul style="list-style-type: none"> <li>– Assured quality and reliability</li> </ul>

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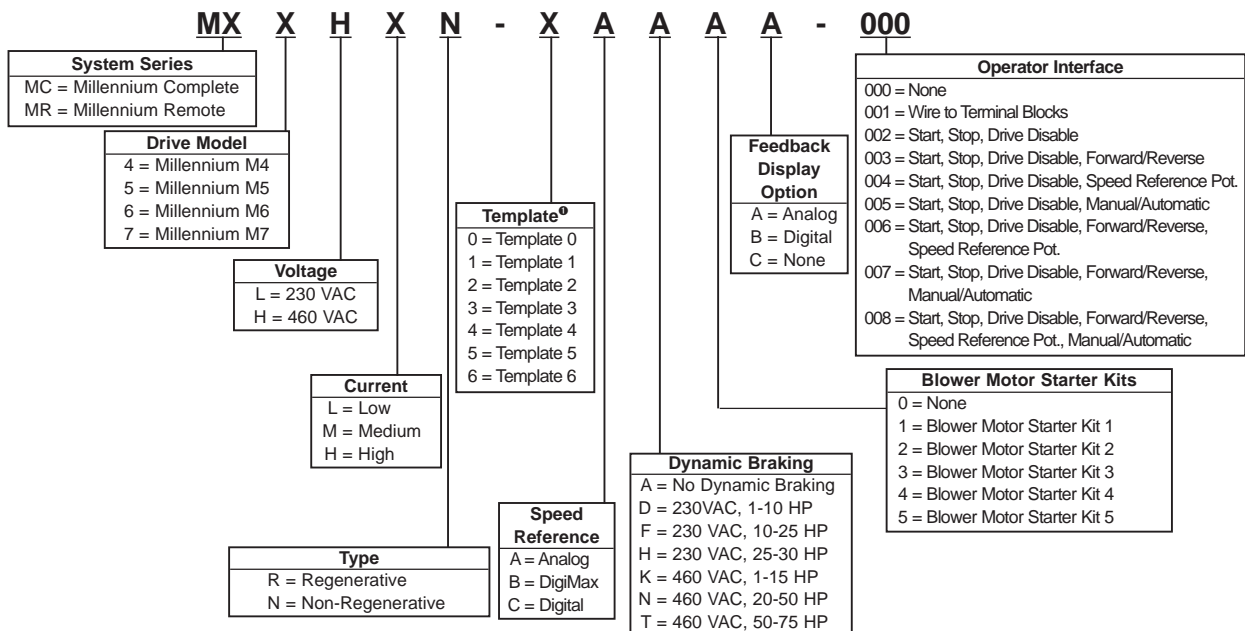
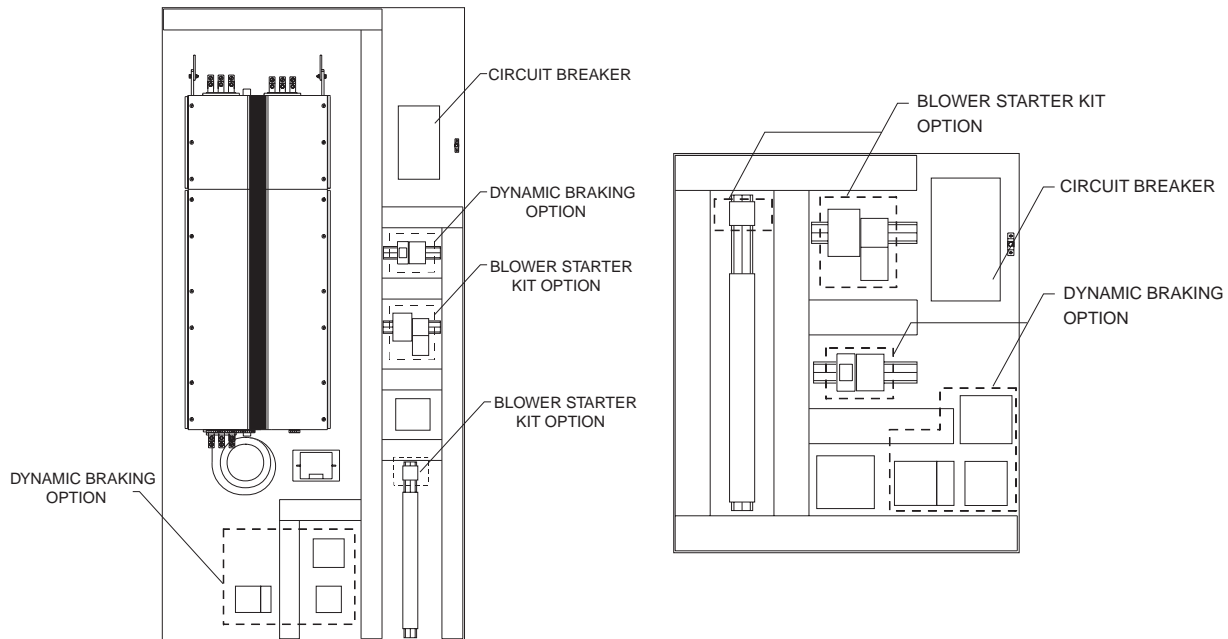
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# MILLENNIUM COMPLETE & REMOTE MODEL NUMBER CODES

TYPICAL MILLENNIUM COMPLETE LAYOUT

TYPICAL MILLENNIUM REMOTE LAYOUT



See MILLENNIUM Application Templates for the Standard Interface on page 101  
 NOTE: For proper Drive selection see Recommended Motor/Drive Specifications in the Motors section.

# MILLENNIUM COMPLETE AND REMOTE OPTIONS

Millennium Complete Systems include the Millennium Drive and specified options in a single NEMA 1 enclosure. Millennium Remote Systems include the specified options in a single NEMA 1 enclosure and the Millennium Drive is a stand-alone unit.

## APPLICATION TEMPLATES

For a complete description of the templates refer to page 101 in the drives section of this catalog. The choice of drive template will determine which options are available for Speed Reference, Feedback and Operator Interface. Refer to the table below.

Template	Speed Reference	Feedback Display Options	Operator Interface
1,2,3,5,6	Analog	None, Analog, Digital	0,1,2,3,4,5,6,7,8
4	DigiMax	None, Analog <sup>1</sup>	2,3,5,7
	Digital	None, Analog, Digital <sup>2</sup>	1,2,3,5,7

<sup>1</sup>The DigiMax speed reference provides a digital feedback display.

<sup>2</sup> If an externally mounted DigiMax is used for the speed reference, the DigiMax provides a digital feedback display.

## SPEED REFERENCE

The drive speed reference may be analog, digital (refer to page 102 for details on these signals), or a panel mounted DigiMax Control. In an analog system, if operator interface option 4, 6, or 8 is selected, a ten-turn potentiometer is used to set the speed reference. Drive template 4 is required if a digital speed reference is desired.

## DYNAMIC BRAKING

Dynamic Braking can be added to rapidly decelerate the motor in the event of stopping the motor, or system power loss. Standard Dynamic Braking options are available for systems under 75 HP. Dynamic braking is specified assuming 1750 RPM operation of a POWERTEC Dripproof, Blower Ventilated motor with load inertia equal to the motor inertia. If your system has different operating conditions contact the factory for assistance.

## BLOWER MOTOR STARTER KITS

The proper blower motor starter kit is determined by motor frame size and motor enclosure (DPBV, TEAO).

### DPBV - DRIPPROOF BLOWER VENTILATED

Motor Frame Size	Blower Motor Description	Blower Size	Kit
182T, 184T	1/10 HP, 115 VAC, 60Hz, 1 Phase	2	1
213T, 215T, 254T, 256T	1/3HP, 208-230/460 VAC, 60Hz, 3 Phase	3	2
259TZ	1/2HP, 208-230/460 VAC, 60Hz, 3 Phase	8	3
287TZ, 288TZ, 2812TZ	3/4HP, 208-230/460 VAC, 60Hz, 3 Phase	9	4
328TZ, 3211TZ	1.5HP, 208-230/460 VAC, 60Hz, 3 Phase	9	4

### TEAO — TOTALLY ENCLOSED AIR OVER

Motor Frame Size	Blower Motor Description	Blower Size	Kit
ALL SIZES	1/3HP, 208-230/460 VAC, 60Hz, 3 Phase	3	2

## FEEDBACK DISPLAY OPTIONS

The motor speed and load may be displayed digitally or on analog panel meters. A DigiTrak is used when the digital option is selected.

## OPERATOR INTERFACE

Panel mounted operator interface options include: momentary switches for starting and stopping, selector switches for forward or reverse, and automatic or manual operation, maintained open mushroomhead switch for drive disable, and a ten-turn potentiometer to set an analog speed reference. If Template 4 is selected, some Operator Interface options are not available, please refer to the Application Templates description on page 101.

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# MILLENNIUM COMPLETE AND REMOTE SPECIFICATIONS

## MILLENNIUM COMPLETE PRE-ENGINEERED SYSTEM DIMENSIONS

Drive Model	Height		Width		Depth		Mounting
	inches	cm	inches	cm	inches	cm	
M4	48	121.9	36	91.4	12	30.5	Wall Mount
M5	60	152.4	36	91.4	12	30.5	Wall Mount
M6	71	180.3	36	91.4	12	30.5	Wall Mount
M7	71	180.3	47	119.4	20	50.8	Free Standing

## MILLENNIUM REMOTE PRE-ENGINEERED SYSTEM DIMENSIONS

Drive Model	Height		Width		Depth		Mounting
	inches	cm	inches	cm	inches	cm	
M4	30	76.2	24	61.0	12.6	32.1	Wall Mount
M5	30	76.2	24	61.0	12.6	32.1	Wall Mount
M6	30	76.2	24	61.0	12.6	32.1	Wall Mount
M7	30	76.2	24	61.0	12.6	32.1	Wall Mount

NOTE: All dimensions are approximate.

## MILLENNIUM COMPLETE AND REMOTE GENERAL SPECIFICATIONS

Drive Model	Base System Model	Power		Input Service	
		HP	kW	AC Voltage	F.L. Amps
M4	Mx4LL	10	7.5	230	25
	Mx4LM	15	11.3	230	37
	Mx4LH	20	15.0	230	48
	Mx4HL	25	18.8	460	30
	Mx4HM	30	22.5	460	36
	Mx4HH	40	30.0	460	47
M5	Mx5HL	50	37.5	460	58
	Mx5HM	60	45.0	460	70
	Mx5HH	75	56.3	460	86
M6	Mx6HL	100	75.0	460	111
	Mx6HM	125	93.8	460	138
	Mx6HH	150	112.5	460	166
M7	Mx7HL	200	150.0	460	220
	Mx7HM	250	187.5	460	274
	Mx7HH	300	225.0	460	327

# MILLENNIUM COMPLETE PRICING

Drive Model	Base Drive Model Number	Base System Model Number	System Description	List Price*
				\$
M4	M4LLON-XXXXX-XX	MC4LLN-XXXXX-000	M4, 10HP, 230V, Non-Regen	18,095
	M4LLOR-XXXXX-XX	MC4LLR-XXXXX-000	M4, 10HP, 230V, Regenerative	18,921
	M4LMON-XXXXX-XX	MC4LMN-XXXXX-000	M4, 15HP, 230V, Non-Regen	19,556
	M4LMOR-XXXXX-XX	MC4LMR-XXXXX-000	M4, 15HP, 230V, Regenerative	20,469
	M4LHON-XXXXX-XX	MC4LHN-XXXXX-000	M4, 20HP, 230V, Non-Regen	19,953
	M4LHOR-XXXXX-XX	MC4LHR-XXXXX-000	M4, 20HP, 230V, Regenerative	20,848
	M4HLON-XXXXX-XX	MC4HLN-XXXXX-000	M4, 25HP, 460V, Non-Regen	18,095
	M4HLOR-XXXXX-XX	MC4HLR-XXXXX-000	M4, 25HP, 460V, Regenerative	18,921
	M4HMON-XXXXX-XX	MC4HMN-XXXXX-000	M4, 30HP, 460V, Non-Regen	19,556
	M4HMOR-XXXXX-XX	MC4HMR-XXXXX-000	M4, 30HP, 460V, Regenerative	20,469
	M4HHON-XXXXX-XX	MC4HHN-XXXXX-000	M4, 40HP, 460V, Non-Regen	19,953
	M4HHOR-XXXXX-XX	MC4HHR-XXXXX-000	M4, 40HP, 460V, Regenerative	20,848
	M5	M5HLON-XXXXX-XX	MC5HLN-XXXXX-000	M5, 50HP, 460V, Non-Regen
M5HLOR-XXXXX-XX		MC5HLR-XXXXX-000	M5, 50HP, 460V, Regenerative	24,384
M5HMON-XXXXX-XX		MC5HMN-XXXXX-000	M5, 60HP, 460V, Non-Regen	23,250
M5HMOR-XXXXX-XX		MC5HMR-XXXXX-000	M5, 60HP, 460V, Regenerative	25,293
M5HHON-XXXXX-XX		MC5HHN-XXXXX-000	M5, 75HP, 460V, Non-Regen	25,050
M5HHOR-XXXXX-XX		MC5HHR-XXXXX-000	M5, 75HP, 460V, Regenerative	27,173
M6	M6HLON-XXXXX-XX	MC6HLN-XXXXX-000	M6, 100HP, 460V, Non-Regen	32,150
	M6HLOR-XXXXX-XX	MC6HLR-XXXXX-000	M6, 100HP, 460V, Regenerative	35,616
	M6HMON-XXXXX-XX	MC6HMN-XXXXX-000	M6, 125HP, 460V, Non-Regen	36,273
	M6HMOR-XXXXX-XX	MC6HMR-XXXXX-000	M6, 125HP, 460V, Regenerative	39,907
	M6HHON-XXXXX-XX	MC6HHN-XXXXX-000	M6, 150HP, 460V, Non-Regen	38,280
	M6HHOR-XXXXX-XX	MC6HHR-XXXXX-000	M6, 150HP, 460V, Regenerative	42,104
M7	M7HLON-XXXXX-XX	MC7HLN-XXXXX-000	M7, 200HP, 460V, Non-Regen	58,147
	M7HLOR-XXXXX-XX	MC7HLR-XXXXX-000	M7, 200HP, 460V, Regenerative	59,868
	M7HMON-XXXXX-XX	MC7HMN-XXXXX-000	M7, 250HP, 460V, Non-Regen	62,618
	M7HMOR-XXXXX-XX	MC7HMR-XXXXX-000	M7, 250HP, 460V, Regenerative	66,500
	M7HHON-XXXXX-XX	MC7HHN-XXXXX-000	M7, 300HP, 460V, Non-Regen	65,102
	M7HHOR-XXXXX-XX	MC7HHR-XXXXX-000	M7, 300HP, 460V, Regenerative	69,187

\*Does not include motor pricing.

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Drive Model	Base Drive Model Number	Base System Model Number	System Description	List Price*
				\$
M4	M4LLEN-XXXXX-XX	MR4LLN-XXXXX-000	M4, 10HP, 230V, Non-Regen	17,013
	M4LLER-XXXXX-XX	MR4LLR-XXXXX-000	M4, 10HP, 230V, Regenerative	17,609
	M4LMEN-XXXXX-XX	MR4LMN-XXXXX-000	M4, 15HP, 230V, Non-Regen	18,174
	M4LMER-XXXXX-XX	MR4LMR-XXXXX-000	M4, 15HP, 230V, Regenerative	19,157
	M4LHEN-XXXXX-XX	MR4LHN-XXXXX-000	M4, 20HP, 230V, Non-Regen	18,671
	M4LHER-XXXXX-XX	MR4LHR-XXXXX-000	M4, 20HP, 230V, Regenerative	19,836
	M4HLEN-XXXXX-XX	MR4HLN-XXXXX-000	M4, 25HP, 460V, Non-Regen	17,013
	M4HLER-XXXXX-XX	MR4HLR-XXXXX-000	M4, 25HP, 460V, Regenerative	17,609
	M4HMEN-XXXXX-XX	MR4HMN-XXXXX-000	M4, 30HP, 460V, Non-Regen	18,174
	M4HMER-XXXXX-XX	MR4HMR-XXXXX-000	M4, 30HP, 460V, Regenerative	19,157
	M4HHEN-XXXXX-XX	MR4HHN-XXXXX-000	M4, 40HP, 460V, Non-Regen	18,671
M4HHER-XXXXX-XX	MR4HHR-XXXXX-000	M4, 40HP, 460V, Regenerative	19,836	
M5	M5HLEN-XXXXX-XX	MR5HLN-XXXXX-000	M5, 50HP, 460V, Non-Regen	20,458
	M5HLER-XXXXX-XX	MR5HLR-XXXXX-000	M5, 50HP, 460V, Regenerative	22,629
	M5HMEN-XXXXX-XX	MR5HMN-XXXXX-000	M5, 60HP, 460V, Non-Regen	21,367
	M5HMER-XXXXX-XX	MR5HMR-XXXXX-000	M5, 60HP, 460V, Regenerative	23,749
	M5HHEN-XXXXX-XX	MR5HHN-XXXXX-000	M5, 75HP, 460V, Non-Regen	23,063
	M5HHER-XXXXX-XX	MR5HHR-XXXXX-000	M5, 75HP, 460V, Regenerative	27,240
M6	M6HLEN-XXXXX-XX	MR6HLN-XXXXX-000	M6, 100HP, 460V, Non-Regen	31,015
	M6HLER-XXXXX-XX	MR6HLR-XXXXX-000	M6, 100HP, 460V, Regenerative	34,386
	M6HMEN-XXXXX-XX	MR6HMN-XXXXX-000	M6, 125HP, 460V, Non-Regen	32,117
	M6HMER-XXXXX-XX	MR6HMR-XXXXX-000	M6, 125HP, 460V, Regenerative	37,450
	M6HHEN-XXXXX-XX	MR6HHN-XXXXX-000	M6, 150HP, 460V, Non-Regen	34,997
	M6HHER-XXXXX-XX	MR6HHR-XXXXX-000	M6, 150HP, 460V, Regenerative	39,790
M7	M7HLEN-XXXXX-XX	MR7HLN-XXXXX-000	M7, 200HP, 460V, Non-Regen	53,077
	M7HLER-XXXXX-XX	MR7HLR-XXXXX-000	M7, 200HP, 460V, Regenerative	56,739
	M7HMEN-XXXXX-XX	MR7HMN-XXXXX-000	M7, 250HP, 460V, Non-Regen	60,038
	M7HMER-XXXXX-XX	MR7HMR-XXXXX-000	M7, 250HP, 460V, Regenerative	63,884
	M7HHEN-XXXXX-XX	MR7HHN-XXXXX-000	M7, 300HP, 460V, Non-Regen	62,721
	M7HHER-XXXXX-XX	MR7HHR-XXXXX-000	M7, 300HP, 460V, Regenerative	66,770

\*Does not include motor pricing.

# MILLENNIUM COMPLETE AND REMOTE OPTIONS PRICING

System Option	Option Designation	Description	Price Adder
			\$
Template	0	Template 0	—
	1	Template 1	—
	2	Template 2	—
	3	Template 3	—
	4	Template 4	—
	5	Template 5	—
	6	Template 6	—
Speed Reference	A	Analog	—
	B	DigiMax	4,074
	C	Digital	963
Dynamic Braking	A	No Dynamic Braking	—
	D	230VAC, 1-10 HP System	2,593
	F	230VAC, 10-25 HP System	2,778
	H	230VAC, 25-30 HP System	2,963
	K	460VAC, 1-15 HP System	2,593
	N	460VAC, 15-20 HP System	2,778
	R	460VAC, 20-50 HP System	3,056
T	460VAC, 50-75 HP System	4,074	
Blower Motor Starter Kits	0	None	—
	1	Blower Motor Starter Kit 1 (115 VAC)	278
	2	Blower Motor Starter Kit 2	889
	3	Blower Motor Starter Kit 3	889
	4	Blower Motor Starter Kit 4	889
	5	Blower Motor Starter Kit 5	889
Feedback Display Options	A	Analog	1,019
	B	Digital	1,630
	C	None	—
Operator Interface	000	None	—
	001	Wire to Terminal Blocks	—
	002	Start, Stop, Drive Disable	741
	003	Start, Stop, Drive Disable, Forward/Reverse	1,019
	004	Start, Stop, Drive Disable, Speed Reference Potentiometer	1,056
	005	Start, Stop, Drive Disable, Manual/Automatic	1,019
	006	Start, Stop, Drive Disable, Forward/Reverse, Speed Reference Potentiometer	1,333
	007	Start, Stop, Drive Disable, Forward/Reverse, Manual/Automatic	1,296
	008	Start, Stop, Drive Disable, Forward/Reverse, Speed Reference Potentiometer, Manual/Automatic	1,611

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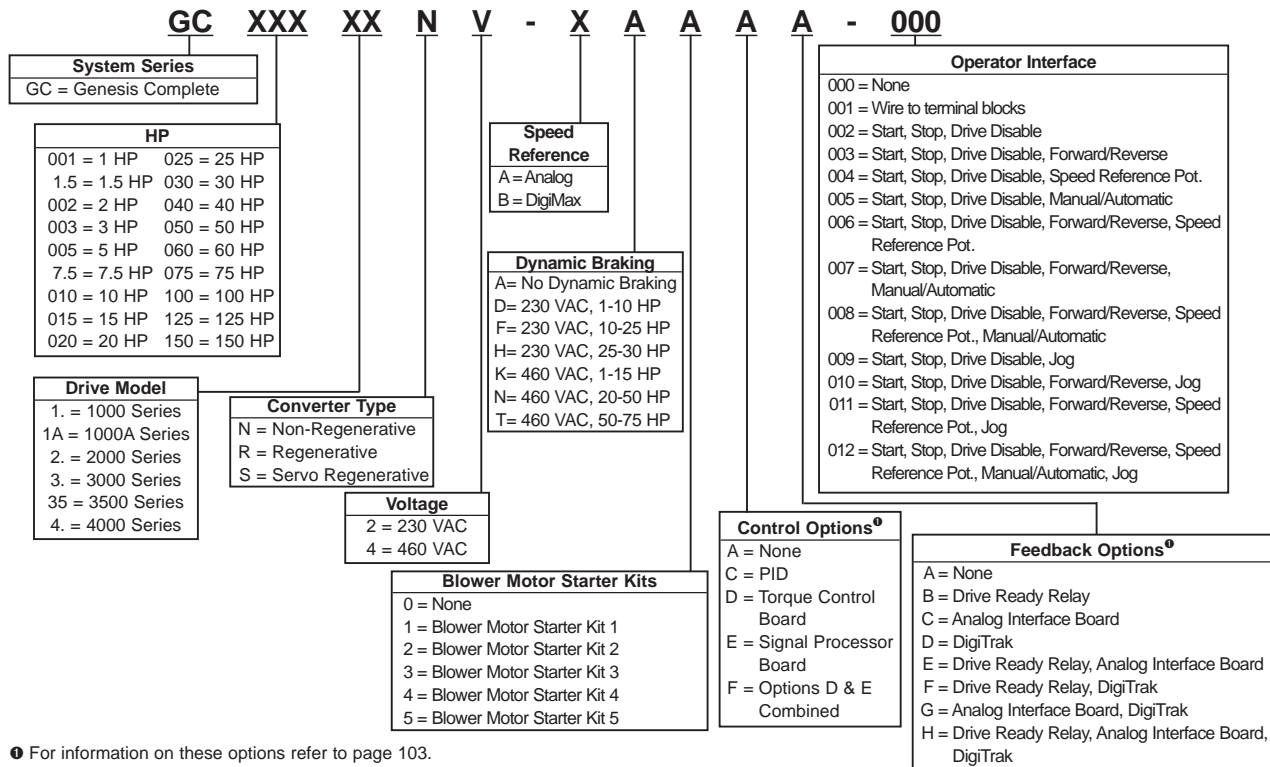
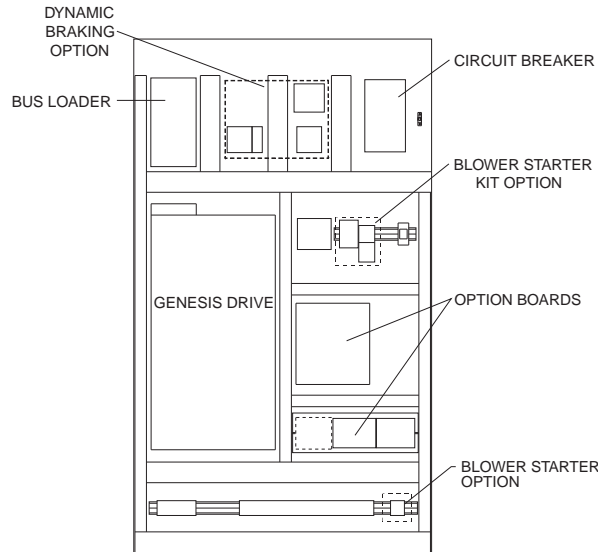
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# GENESIS COMPLETE MODEL NUMBER CODES

## TYPICAL GENESIS COMPLETE LAYOUT



● For information on these options refer to page 103.

NOTE: For proper Drive selection see Recommended Motor/Drive specifications in the Motors section.

# GENESIS COMPLETE OPTIONS

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Genesis Complete Systems include the Genesis Drive and specified options in a single NEMA 1 enclosure.

## SPEED REFERENCE

The drive speed reference may be analog, or a panel mounted DigiMax control. In an analog system, if operator interface option 4, 6, 8, 11 or 12 is selected, a ten-turn potentiometer is used to set the speed reference. These operator interface options should not be used with a DigiMax speed reference.

## DYNAMIC BRAKING

Dynamic Braking can be added to rapidly decelerate the motor in the event of stopping the motor, or system power loss. Standard Dynamic Braking options are available for systems under 75 HP. Dynamic braking is specified assuming 1750 RPM operation of a POWERTEC Dripproof, Blower Ventilated motor with load inertia equal to the motor inertia. If your system has different operating conditions contact the factory for assistance.

## BLOWER MOTOR STARTER KITS

The proper blower motor starter kit is determined by motor frame size and motor enclosure (DPBV, TEAO).

### DPBV - DRIPPROOF BLOWER VENTILATED

Motor Frame Size	Blower Motor Description	Blower Size	Kit
182T, 184T	1/10 HP, 115 VAC, 60Hz, 1 Phase	2	1
213T, 215T, 254T, 256T	1/3HP, 208-230/460 VAC, 60Hz, 3 Phase	3	2
259TZ	1/2HP, 208-230/460 VAC, 60Hz, 3 Phase	8	3
287TZ, 288TZ, 2812TZ	3/4HP, 208-230/460 VAC, 60Hz, 3 Phase	9	4
328TZ, 3211TZ	1.5HP, 208-230/460 VAC, 60Hz, 3 Phase	9	4

### TEAO — TOTALLY ENCLOSED AIR OVER

Motor Frame Size	Blower Motor Description	Blower Size	Kit
ALL SIZES	1/3HP, 208-230/460 VAC, 60Hz, 3 Phase	3	2

## CONTROL OPTIONS<sup>o</sup>

Several control options may be added to the system. These include , PID Board, Torque Control Board, Signal Processor Board, or a combination of the Torque Control Board and Signal Processor Board. The PID Board requires an analog speed reference.

## FEEDBACK OPTIONS<sup>o</sup>

The motor speed and load may be displayed digitally with a DigiTrak. An Analog Interface Board may be added to the system to provide analog outputs proportional to speed and load (terminal board connections). a drive ready relay may be added to the system to signal other equipment when the drive is ready. Any combination of these options may be selected.

## OPERATOR INTERFACE

Panel mounted operator interface options include: momentary switches for starting and stopping, and jogging, selector switches for forward or reverse, and automatic or manual operation, maintained open mushroomhead switch for drive disable, and a ten-turn potentiometer to set an analog speed reference.

<sup>o</sup> For information on these options refer to page 103.

# GENESIS COMPLETE SPECIFICATIONS

## GENESIS COMPLETE PRE-ENGINEERED SYSTEM DIMENSIONS

Drive Model	Height		Width		Depth		Mounting
	inches	cm	inches	cm	inches	cm	
1000	42	106.7	36	91.4	12	30.5	Wall Mount
1000A	42	106.7	36	91.4	12	30.5	Wall Mount
2000	60	152.4	36	91.4	16	40.6	Wall Mount
3000	60	152.4	36	91.4	16	40.6	Wall Mount
3500	72	182.9	48	121.9	16	40.6	Free Standing <sup>o</sup>
4000	71	180.3	47	119.4	20	50.8	Free Standing

## GENESIS COMPLETE GENERAL SPECIFICATIONS

Drive Model	Base System Model	Power		System Input Service	
		HP	kW	Voltage	Max. Cont. AC Line Current
1000	GC0011.N2	1	0.8	230	5
	GC1.51.N2	1.5	1.1	230	6
	GC0021.N2	2	1.5	230	7
	GC0031.N2	3	2.3	230	10
	GC0051.N2	5	3.8	230	15
	GC7.51.N2	7.5	5.6	230	21
	GC0101.N2	10	7.5	230	27
	GC0011.N4	1	0.8	460	5
	GC1.51.N4	1.5	1.1	460	6
	GC0021.N4	2	1.5	460	6
	GC0031.N4	3	2.3	460	7
	GC0051.N4	5	3.8	460	9
	GC7.51.N4	7.5	5.6	460	12
GC0101.N4	10	7.5	460	15	
1000A	GC0011AX2	1	0.8	230	5
	GC1.51AX2	1.5	1.1	230	6
	GC0021AX2	2	1.5	230	7
	GC0031AX2	3	2.3	230	10
	GC0051AX2	5	3.8	230	15
	GC7.51AX2	7.5	5.6	230	21
	GC0101AX2	10	7.5	230	27
	GC0011AX4	1	0.8	460	5
	GC1.51AX4	1.5	1.1	460	5
	GC0021AX4	2	1.5	460	5
	GC0031AX4	3	2.3	460	6
	GC0051AX4	5	3.8	460	9
	GC7.51AX4	7.5	5.6	460	12
GC0101AX4	10	7.5	460	15	
GC0151AX4	15	11.3	460	22	
2000	GC0202.X4	20	15.0	460	27
	GC0252.X4	25	18.8	460	32
	GC0302.X4	30	22.5	460	37
	GC0402.X4	40	30.0	460	48
3000	GC0503.X4	50	37.5	460	56
	GC0603.X4	60	45.0	460	66
	GC0753.X4	75	56.3	460	82
3500	GC10035X4	100	75.0	460	110
	GC1254.X4	125	93.8	460	137
4000	GC1254.X4	125	93.8	460	137
	GC1504.X4	150	112.5	460	163

<sup>o</sup>12 inch welded floorstands included.

NOTE: All dimensions are approximate.

# GENESIS COMPLETE PRICING

Drive Model	Base Drive Model Number	Base System Model Number	System Description	List Price*
				\$
<b>Model 1000 230 VAC</b>	C0011.N2CH000NNNN	GC0011.N2-XXXXX-000	1000, 1 HP, 230V, Non-Regen	8,828
	C1.51.N2CH000NNNN	GC1.51.N2-XXXXX-000	1000, 1.5 HP, 230V, Non-Regen	8,828
	C0021.N2CH000NNNN	GC0021.N2-XXXXX-000	1000, 2 HP, 230V, Non-Regen	8,828
	C0031.N2CH000NNNN	GC0031.N2-XXXXX-000	1000, 3 HP, 230V, Non-Regen	8,828
	C0051.N2CH000NNNN	GC0051.N2-XXXXX-000	1000, 5 HP, 230V, Non-Regen	9,643
	C7.51.N2CH000NNNN	GC7.51.N2-XXXXX-000	1000, 7.5 HP, 230V, Non-Regen	10,498
	C0101.N2CH000NNNN	GC0101.N2-XXXXX-000	1000, 10 HP, 230V, Non-Regen	11,120
<b>Model 1000 460 VAC</b>	C0011.N4CH000NNNN	GC0011.N4-XXXXX-000	1000, 1 HP, 460V, Non-Regen	9,643
	C1.51.N4CH000NNNN	GC1.51.N4-XXXXX-000	1000, 1.5 HP, 460V, Non-Regen	9,643
	C0021.N4CH000NNNN	GC0021.N4-XXXXX-000	1000, 2 HP, 460V, Non-Regen	9,643
	C0031.N4CH000NNNN	GC0031.N4-XXXXX-000	1000, 3 HP, 460V, Non-Regen	9,643
	C0051.N4CH000NNNN	GC0051.N4-XXXXX-000	1000, 5 HP, 460V, Non-Regen	10,044
	C7.51.N4CH000NNNN	GC7.51.N4-XXXXX-000	1000, 7.5 HP, 460V, Non-Regen	10,139
	C0101.N4CH000NNNN	GC0101.N4-XXXXX-000	1000, 10 HP, 460V, Non-Regen	10,139
<b>Model 1000A 230 VAC</b>	C0011.AR2CH000NNNN	GC0011AR2-XXXXX-000	1000A, 1 HP, 230V, Regenerative	10,187
	C0011.AS2CH000NNNN	GC0011AS2-XXXXX-000	1000A, 1 HP, 230V, Servo	10,187
	C1.51.AR2CH000NNNN	GC1.51AR2-XXXXX-000	1000A, 1.5 HP, 230V, Regenerative	10,187
	C1.51.AS2CH000NNNN	GC1.51AS2-XXXXX-000	1000A, 1.5 HP, 230V, Servo	10,187
	C0021.AR2CH000NNNN	GC0021AR2-XXXXX-000	1000A, 2 HP, 230V, Regenerative	10,187
	C0021.AS2CH000NNNN	GC0021AS2-XXXXX-000	1000A, 2 HP, 230V, Servo	10,187
	C0031.AR2CH000NNNN	GC0031AR2-XXXXX-000	1000A, 3 HP, 230V, Regenerative	10,187
	C0031.AS2CH000NNNN	GC0031AS2-XXXXX-000	1000A, 3 HP, 230V, Servo	10,567
	C0051.AR2CH000NNNN	GC0051AR2-XXXXX-000	1000A, 5 HP, 230V, Regenerative	10,777
	C0051.AS2CH000NNNN	GC0051AS2-XXXXX-000	1000A, 5 HP, 230V, Servo	11,157
	C7.51.AR2CH000NNNN	GC7.51AR2-XXXXX-000	1000A, 7.5 HP, 230V, Regenerative	11,888
	C7.51.AS2CH000NNNN	GC7.51AS2-XXXXX-000	1000A, 7.5 HP, 230V, Servo	12,268
	C0101.AR2CH000NNNN	GC0101AR2-XXXXX-000	1000A, 10 HP, 230V, Regenerative	12,698
C0101.AS2CH000NNNN	GC0101AS2-XXXXX-000	1000A, 10 HP, 230V, Servo	13,078	
<b>Model 1000A 460 VAC</b>	C0011.AR4CH000NNNN	GC0011AR4-XXXXX-000	1000A, 1 HP, 460V, Regenerative	11,002
	C0011.AS4CH000NNNN	GC0011AS4-XXXXX-000	1000A, 1 HP, 460V, Servo	11,382
	C1.51.AR4CH000NNNN	GC1.51AR4-XXXXX-000	1000A, 1.5 HP, 460V, Regenerative	11,002
	C1.51.AS4CH000NNNN	GC1.51AS4-XXXXX-000	1000A, 1.5 HP, 460V, Servo	11,382
	C0021.AR4CH000NNNN	GC0021AR4-XXXXX-000	1000A, 2 HP, 460V, Regenerative	11,002
	C0021.AS4CH000NNNN	GC0021AS4-XXXXX-000	1000A, 2 HP, 460V, Servo	11,382
	C0031.AR4CH000NNNN	GC0031AR4-XXXXX-000	1000A, 3 HP, 460V, Regenerative	11,002
	C0031.AS4CH000NNNN	GC0031AS4-XXXXX-000	1000A, 3 HP, 460V, Servo	11,382
	C0051.AR4CH000NNNN	GC0051AR4-XXXXX-000	1000A, 5 HP, 460V, Regenerative	11,298
	C0051.AS4CH000NNNN	GC0051AS4-XXXXX-000	1000A, 5 HP, 460V, Servo	11,678
	C7.51.AR4CH000NNNN	GC7.51AR4-XXXXX-000	1000A, 7.5 HP, 460V, Regenerative	11,422
	C7.51.AS4CH000NNNN	GC7.51AS4-XXXXX-000	1000A, 7.5 HP, 460V, Servo	11,802
	C0101.AR4CH000NNNN	GC0101AR4-XXXXX-000	1000A, 10 HP, 460V, Regenerative	11,422
	C0101.AS4CH000NNNN	GC0101AS4-XXXXX-000	1000A, 10 HP, 460V, Servo	11,802
	C0151.AN4CH000NNNN	GC0151AN4-XXXXX-000	1000A, 15 HP, 460V, Non-Regen	10,859
	C0151.AR4CH000NNNN	GC0151AR4-XXXXX-000	1000A, 15 HP, 460V, Regenerative	12,358

\*Does not include motor pricing.

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DRIVE SYSTEMS

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# GENESIS COMPLETE PRICING

Drive Model	Base Drive Model Number	Base System Model Number	System Description	List Price* \$
<b>Model 2000 230 VAC</b>	C0152.N2CH000NNNN	GC0152.N2-XXXXX-000	2000, 15 HP, 230V, Non-Regen	13,523
	C0152.R2CH000NNNN	GC0152.R2-XXXXX-000	2000, 15 HP, 230V, Regenerative	15,565
	C0202.N2CH000NNNN	GC0202.N2-XXXXX-000	2000, 20 HP, 230V, Non-Regen	16,455
	C0202.R2CH000NNNN	GC0202.R2-XXXXX-000	2000, 20 HP, 230V, Regenerative	19,377
<b>Model 2000 460 VAC</b>	C0202.N4CH000NNNN	GC0202.N4-XXXXX-000	2000, 20 HP, 460V, Non-Regen	13,193
	C0202.R4CH000NNNN	GC0202.R4-XXXXX-000	2000, 20 HP, 460V, Regenerative	15,137
	C0252.N4CH000NNNN	GC0252.N4-XXXXX-000	2000, 25 HP, 460V, Non-Regen	14,319
	C0252.R4CH000NNNN	GC0252.R4-XXXXX-000	2000, 25 HP, 460V, Regenerative	15,907
	C0302.N4CH000NNNN	GC0302.N4-XXXXX-000	2000, 30 HP, 460V, Non-Regen	14,679
	C0302.R4CH000NNNN	GC0302.R4-XXXXX-000	2000, 30 HP, 460V, Regenerative	16,267
	C0402.N4CH000NNNN	GC0402.N4-XXXXX-000	2000, 40 HP, 460V, Non-Regen	16,455
	C0402.R4CH000NNNN	GC0402.R4-XXXXX-000	2000, 40 HP, 460V, Regenerative	19,377
<b>Model 3000 460 VAC</b>	C0503.N4CH000NNNN	GC0503.N4-XXXXX-000	3000, 50 HP, 460V, Non-Regen	17,874
	C0503.R4CH000NNNN	GC0503.R4-XXXXX-000	3000, 50 HP, 460V, Regenerative	21,088
	C0603.N4CH000NNNN	GC0603.N4-XXXXX-000	3000, 60 HP, 460V, Non-Regen	19,734
	C0603.R4CH000NNNN	GC0603.R4-XXXXX-000	3000, 60 HP, 460V, Regenerative	23,505
	C0753.N4CH000NNNN	GC0753.N4-XXXXX-000	3000, 75 HP, 460V, Non-Regen	21,675
	C0753.R4CH000NNNN	GC0753.R4-XXXXX-000	3000, 75 HP, 460V, Regenerative	26,029
<b>Model 3500 460 VAC</b>	C10035N4CH000NNNN	GC10035N4-XXXXX-000	3500, 100 HP, 460V, Non-Regen	29,463
	C10035R4C4000NNNN	GC10035R4-XXXXX-000	3500, 100 HP, 460V, Regenerative	33,560
<b>Model 4000 460 VAC</b>	C1254.N4CH000NNNN	GC1254.N4-XXXXX-000	4000, 125 HP, 460V, Non-Regen	38,089
	C1254.R4C4000NNNN	GC1254.R4-XXXXX-000	4000, 125 HP, 460V, Regenerative	43,377
	C1504.N4CH000NNNN	GC1504.N4-XXXXX-000	4000, 150 HP, 460V, Non-Regen	40,803
	C1504.R4C4000NNNN	GC1504.R4-XXXXX-000	4000, 150 HP, 460V, Regenerative	46,658

\*Does not include motor pricing.

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PRE-ENGINEERED  
DRIVE SYSTEMS

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# GENESIS COMPLETE OPTIONS PRICING

System Option	Option Designation	Description	Price Adder
			\$
Speed Reference	A	Analog	—
	B	DigiMax	3,704
Dynamic Braking	A	No Dynamic Braking	—
	D	230VAC, 1-10 HP System	2,593
	F	230VAC, 10-25 HP System	2,778
	H	230VAC, 25-30 HP System	2,963
	K	460VAC, 1-15 HP System	2,593
	N	460VAC, 15-20 HP System	2,778
	R	460VAC, 20-50 HP System	3,056
T	460VAC, 50-75 HP System	4,074	
Blower Motor Starter	0	None	—
	1	Blower Motor Starter Kit 1 (115 VAC)	278
	2	Blower Motor Starter Kit 2	889
	3	Blower Motor Starter Kit 3	889
	4	Blower Motor Starter Kit 4	889
Control Options	A	None	—
	C	PID	1,111
	D	Torque Control Board	1,019
	E	Signal Processor Board	1,019
	F	Control Option D and E combined	2,000
Feedback Options	A	None	—
	B	Drive Ready Relay	259
	C	Analog Interface Board	1,667
	D	DigiTrak	1,111
	E	Drive Ready Relay, Analog Interface Board	1,944
	F	Drive Ready Relay, DigiTrak	1,389
	G	Analog Interface Board, DigiTrak	1,926
	H	Drive Ready Relay, Analog Interface Board, DigiTrak	2,222
Operator Interface	000	None	—
	001	Wire to Terminal Blocks	—
	002	Start, Stop, Drive Disable	741
	003	Start, Stop, Drive Disable, Forward/Reverse	1,019
	004	Start, Stop, Drive Disable, Speed Reference Potentiometer	1,056
	005	Start, Stop, Drive Disable, Manual/Automatic	1,019
	006	Start, Stop, Drive Disable, Forward/Reverse, Speed Reference Potentiometer	1,333
	007	Start, Stop, Drive Disable, Forward/Reverse, Manual/Automatic	1,296
	008	Start, Stop, Drive Disable, Forward/Reverse, Speed Reference Potentiometer, Manual/Automatic	1,611
	009	Start, Stop, Drive Disable, Jog	1,019
	010	Start, Stop, Drive Disable, Forward/Reverse, Jog	1,296
	011	Start, Stop, Drive Disable, Forward/Reverse, Speed Reference Potentiometer, Jog	1,611
	012	Start, Stop, Drive Disable, Forward/Reverse, Speed Reference Potentiometer, Manual/Automatic, Jog	1,889

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