



Residential HVAC



Furnace & Airhandler

Penetration Driver
 Highly efficient operation allows OEMs to achieve energy efficiency targets.
 Quiet motor operation.
 Industry leading moisture resistance

Condenser Fan

ECM efficiency supports high SEER targets.
 Multiple mounting positions to fit a wide range of condenser designs.



	Perfect Speed	16X4W	SelecTech	EcoTech	EcoApex 48
Operating Mode	Constant CFM Constant Speed Constant Torque	Constant CFM Constant Speed Constant Torque	Constant Speed Constant Torque	Constant Speed Constant Torque	Constant Speed
Input	Serial Communicating PWM 4 Wire Interface	24V Signals PWM 16 Pin Interface	24V Signal Leads 5 Speed Taps	High Voltage 5 Speed Taps	PWM 2 - 24V Speed Taps
HP	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3
Voltage	115V/230V, 277V	115V/230V, 277V	120V, 240V	120V/240V	208V-230V
RPM	300-1250 or 300-1800	300-1250 or 300-1800	600-1200	600-1200	300-1200



Geothermal Heat Pumps



Penetration Driver

Highly efficient operation allows OEMs to achieve energy efficiency targets.
 Unrivaled CFM control provides constant airflow across a wide range of parameters.
 Quiet motor operation.



Perfect Speed

16X4W

SelecTech

EcoTech

Operating Mode

Constant CFM
 Constant Speed
 Constant Torque

Constant CFM
 Constant Speed
 Constant Torque

Constant Speed
 Constant Torque

Constant Speed
 Constant Torque

Input

Serial Communicating
 PWM
 4 Wire Interface

24V Signals
 PWM
 16 Pin Interface

24V Signal Leads
 5 Speed Taps

High Voltage
 5 Speed Taps

HP

1/3, 1/2, 3/4, 1

1/3, 1/2, 3/4, 1

1/3, 1/2, 3/4, 1

1/3, 1/2, 3/4, 1

Voltage

115V/230V, 277V

115V/230V, 277V

120V, 240V

120V, 240V

RPM

300-1250 or
 300-1800

300-1250 or
 300-1800

600-1200

600-1200



Commercial Applications



Commercial Roof Top

Penetration Driver
 High efficiency outdoor solution
 Easy integration into existing condenser designs
 High ambient operating temperature

Through the Wall

Wide array of configurations to meet the requirements of most air-moving applications
 State of the art design minimizes noise throughout all modes of operation
 Constant CFM provides precise airflow control



	EcoApex 48	EcoApex 56	Perfect Speed	16X4W	SelecTech	EcoTech
Operating Mode	Constant Speed	Constant Speed Constant Torque	Constant CFM Constant Speed Constant Torque	Constant CFM Constant Speed Constant Torque	Constant Speed Constant Torque	Constant Speed Constant Torque
Input	PWM 24V Signals	0-10V DC 4 - 20 mA	Serial Communicating PWM	24V Signals PWM	24V Signal Leads 5 Speed Taps	High Voltage 5 Speed Taps
HP	1/3	2.3	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1
Voltage	208V-230V	230V, 460V	115V/230V, 277V	115V/230V, 277V	120V, 240V, (460V coming soon)	120V/240V
RPM	300-1200	300-1200	300-1250 or 300-1800	300-1250 or 300-1800	600-1200	600-1200
Phase	Single Phase	Three Phase	Single Phase	Single Phase	Single Phase	Single Phase
Shaft Extension	Single	Single	Single or Dual	Single or Dual	Single or Dual	Single



Light Commercial Applications



DX Fan Coil



Hydronic Fan Coil



Package Terminal Air Conditioner (PTAC)

Penetration Driver	Gained efficiency to help meet efficiency requirements Create/Maintain smaller footprint SKU Reduction	Gained Efficiency Create/Maintain smaller footprint SKU Reduction
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	Perfect Speed	16X4W	SelecTech	Perfect Speed 120	Perfect Speed 120
Operating Mode	Constant CFM Constant Speed Constant Torque	Constant CFM Constant Speed Constant Torque	Constant Speed Constant Torque	Constant Speed Constant Torque	Constant Speed Constant Torque
Input	Serial Communicating PWM 4 Wire Interface	24V Signals PWM 16 Pin Interface	24V Signal Leads 5 Speed Taps	3 - 24V Speed Taps PWM 0 - 10V DC	3 - 24V Speed Taps PWM 0 - 10V DC
HP	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/8, 1/4	1/8, 1/4
Voltage	115V/230V, 277V	115V/230V, 277V	120V, 240V	120V/240V/277V	120V/240V/277V
RPM	300-1250 or 300-1800	300-1250 or 300-1800	600-1200	600-1800	600-1800
Shaft Extension	Single or Dual	Single or Dual	Single or Dual	Single or Dual	Single or Dual
Other Options	User-Interface Remote mount control	Remote mount control	Remote Mount Control	Belly Band or Resilient Mounting	Belly Band or Resilient Mounting



Ventilation



Power Roof Ventilators



Fan Filter Units



Energy Recovery Ventilators

Penetration Driver 0-10V input compatible with common HAC and building management systems.
 On-board speed adjustment allows simple "fire and forget" setup and balancing in systems.
 Flexible mechanical designs integrates into single or dual-shaft applications.



	Perfect Speed	Perfect Speed w/UI	SelecTech	Perfect Speed 120
Operating Mode	Constant CFM Constant Speed Constant Torque	Constant CFM Constant Speed Constant Torque	Constant Speed Constant Torque	Constant Speed Constant Torque
Input	Serial Communicating PWM 4 Wire Interface	0 -10vDC Potentiometer	24V Signal Leads 5 Speed Taps	3 - 24V Speed Taps PWM 0 - 10V DC
HP	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/8, 1/4
Voltage	115V/230V, 277V	115V/230V, 277V	120V, 240V	120V/230V/277V
RPM	300-1250 or 300-1800	300-1250 or 300-1800	600-1200	600-1800
Shaft Extension	Single or Dual	Single or Dual	Single or Dual	Single or Dual
Other Options	Remote mount control User-Interface Box	Remote mount control	Remote mount control	Belly Band or Resilient Mounting



Residential Pump



In Ground Pool

Penetration Driver
Compliant with pool motor energy legislation
Easy drop-in installation
Quiet operation



ECOTECH EZ

Operating Mode	Constant Speed
HP	1 1/2, 3
Voltage	230V
RPM	1035 - 3600
Other Features	"C" or Square Flange Configuration 1.60 (1.5HP) Service Factor 1.15 (3HP) Service Factor



Spa

Simplifies control pack
Eliminates circulation pack



NEMA 56 SPA Pump (Coming Soon)

Constant Speed

Operating Mode	Constant Speed
HP	3
Voltage	230V
RPM	1000 - 3600
Other Features	Active Power Factor



Commercial Pump



Hydronic Pump



Booster Pump

Penetration Driver	Added System Efficiency Constant Pressure/Flow	Added System Efficiency Controllability Simplicity
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	NEMA 48 Booster Pump Motor (Coming Soon)	NEMA 56 SPA Pump (Coming Soon)	NEMA 48 Booster Pump Motor (Coming Soon)	NEMA 56 SPA Pump (Coming Soon)
Operating Mode	Constant Speed	Constant Speed	Constant Speed	Constant Speed
HP	1	3	1	3
Voltage	120V, 240V	240V	120V, 240V	240V
RPM	300-1800	1000 - 1800	300 - 1800	1000 - 3600
Other Features	C-Face Mounting 0-10vDC input or potentiometer	"C" or Square Flange Configuration Active Power Factor	0-10vDC input or potentiometer	"C" or Square Flange Configuration Active Power Factor