



EQ/SEQ Electric Chain Hoists

Features

Simple Construction

Low maintenance due to no transformer, no magnetic contactor, no brake contactor and no brake coil.



Unique Load Sheave

Increased number of pockets reduces chain vibration and increases chain life. Five pockets standard.



Limit Switches

Low-profile upper and lower limit switches are standard.



Dual Speed VFD

"Under-the-cover" VFD standard. Speed ratio is 6:1.



Optional Suspension Bar

External connecting shaft allows for quick change from hook mount to suspension bar mount.



No-Load High-Speed

Hoist speeds 1.3 times faster when working with less than 30% of full load.



Unique Chain Guide

Provides quiet and smooth guiding of chain. Heavy cast iron construction.



Standard Count Hour Meter

Records and displays the number of lifting/ lowering starts and hoist on time which is valuable for preventive maintenance. Integral to VFD.





Green Initiative

Built smarter without the use of harmful materials. Environmentally friendly. RoHS compliant.



Perpendicular Orientation

PT push, GT geared and MRQ motorized trolley mount hoists are configured as perpendicular to the beam.



Friction Clutch

Friction clutch is standard on EQ/SEQ models. Provides consistent performance over a wide temperature range.



Pull-Rotor Motor Brake

Extremely durable and reliable, this advanced design contains no brake coil to fail like conventional disc brakes. 5-year hoist brake warranty.



Certified

CSA listed to: UL 508, UL 508A, UL 1004 CSA Std. C22.2 No 33-M1984 (R2004) CSA Std. C22.2 No 14-13 CSA Std. C22.2 No. 66.1-06 (R2011)



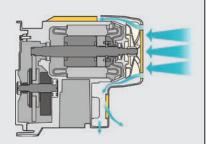
High Strength, Corrosion and Wear Resistant Load Chain

Grade 80, super strength, nickel-plated load chain, certified to DIN standards, uses unique technology to greatly increase resistance to fatigue and wear.



High Air Flow

Cooler motor and brake attributed to an engineered motor fin, fan blade and fan cover design.



Pendant Controls

Ergonomic design for operator comfort. Red button emergency stop is standard on all pendants.







EQ/SEQ Electric Chain Hoists

Compact Aluminum Body

Die-cast body is lightweight and offers low headroom – one of the best in the industry. Paint is electrostatically applied.

Optional Suspension Bar

For low headroom or enclosed track trolley applications. Easily changed from top hook to suspension bar.



Completely Sealed Body

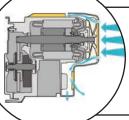
Suitable for both indoor and outdoor applications, including harsh environments. (Consult Owner's Manual for details.) Gaskets throughout the hoist provide for an IP55 rating.

Pull-Rotor Motor Brake

Extremely durable and conventional disc brakes.



reliable, this advanced design contains no brake coil to fail like



External Motor Fan

Functions to quickly eliminate resistor, motor and brake heat. This results in improved hoist duty rating and greatly lengthens brake life. Motor is totally enclosed, fan cooled (TEFC).

Extreme Duty Motor

Increased performance through 30/10-minute duty rating, H4 classification, Class B insulation, cooling fins and external thermal motor protection.

Chain Container

Durable plastic containers are standard.

Corrosion Resistant Load Chain

Nickel-plated, Grade 80, DIN chain for superb durability and strength.



Forged Carbon Steel Hooks

Under excessive loads will open gradually and not fracture. Ball bearings produce smooth rotation. Bottom hook will swivel 360 degrees. Heavy-duty hook latches are standard.







Long Life Friction ClutchProtects hoist from damage and prevents overwinding.

Precision Machined Helical Gears Immersed in oil bath lubrication results in quiet, smooth and cool operation.

Variable Frequency Drive (VFD)

Dual speed controls via "under-the-cover" variable frequency drive for both **single-phase** and three-phase hoists. VFD includes count hour meter, load limiter and no-load high-speed function.



Load Sheave

Five deep-groove pockets fully support the load chain during operation. Reduces vibration and chain wear. Provides true vertical lift.

Operating Conditions

Recommended for -4° to +104°F and humidity of 85% or less.



Unique Chain Guide

Provides quiet and smooth guiding of chain. Heavy cast iron construction for

iron construction for improved wear versus stamped steel design offered by many manufacturers.



Durable Push Button Pendant

Easy-to-use, one-handed operation. Rated IP65.
Standard control voltage is 24VDC. Strain relief wire is molded to pendant cord for added support and dependability.
E-Stop is standard on all pendants.



Upper/Lower Limit Switch

Low-profile upper and lower limit switches provide excellent headroom.





EQ Electric Chain Hoists Hook or Suspension Bar Mount



EQ010SD

Harrington's EQ Series three-phase dual speed (VFD Control) electric chain hoists are ergonomically designed for easy installation and operation in medium-and heavy-duty industrial applications. These hoists have an extremely compact and lightweight body, and are perfect for any work station application. The EQ hoists include a no-load high-speed function that automatically increases hoist speed up to 130 percent when the load is less than 30 percent of working load limit.

Features and Benefits

Pull-Rotor Motor Brake

Extremely durable and reliable, this advanced design contains no brake coil to fail like conventional disc brakes.

External Motor Fan

Functions to quickly eliminate resistor, motor and brake heat. This results in improved hoist duty rating and greatly lengthens brake life. Motor is totally enclosed, fan cooled (TEFC).

Precision Machined Helical Gears

Immersed in oil bath lubrication results in quiet, smooth and cool operation.

Chain Container

Durable plastic containers are standard.

Corrosion Resistant Load Chain

Nickel-plated, Grade 80, DIN chain for superb durability and strength.

Forged Carbon Steel Hooks

Under excessive loads will open gradually and not fracture. Ball bearings produce smooth rotation. Bottom hook will swivel 360°. Heavy-duty hook latches are standard.

Optional Suspension Bar

For low headroom or enclosed track trolley applications. Easily changed from top hook to suspension bar.

Compact Aluminum Body

Die-cast body is lightweight and offers low headroom – one of the best in the industry. Paint is electrostatically applied.

Completely Sealed Body

Suitable for both indoor and outdoor applications, including harsh environments. (Consult Owner's Manual for details.) Gaskets throughout the hoist provide for an IP55 rating.

Variable Frequency Drive (VFD)

Dual speed controls via "underthe-cover" variable frequency drive for both single-phase and three-phase hoists. VFD includes count hour meter, load limiter and no-load high-speed function.

Long Life Friction Clutch

Protects hoist from damage and prevents overwinding.

Upper/Lower Limit Switch

Low profile upper and lower limit switches provide excellent headroom.

Unique Chain Guide

Provides quiet and smooth guiding of chain. Heavy cast iron construction for improved wear versus stamped steel design offered by many manufacturers.

Durable Push Button Pendant

Easy-to-use, one-handed operation. Rated IP65. Standard control voltage is 24V. Strain relief wire is molded to pendant cord for added support and dependability. E-Stop is standard on all pendants.

Extreme Duty Motor

Increased performance through 30/10-minute duty rating, H4 classification, Class B insulation, cooling fins and external thermal motor protection.

Load Sheave

Five deep-groove pockets fully support the load chain during operation. Reduces vibration and chain wear. Provides true vertical lift.

Operating Conditions

Recommended for -4° to +104°F and humidity of 85% or less.

Standard Hoist Specifications

Capacity Range

1/8 Ton - 1 Ton

Standard Voltage

(208-230)-3-50/60 (380-460)-3-50/60

Control Voltage

24VDC

Duty Cycle*

30/10 Min.

Classification*

ASME H4 ISO 1/8-1/2T M6; 1T M5 FEM 1/8-1/2T 3m; 1T 2m

Conformance

UL 508, 508A, 1004 CSA C22.2 NO. 33, 14-13, 66

Ratings

Hoist – IP55 Pendant – IP65

Chain Falls

Single chain fall all capacities

Standard Lift

10' (longer lifts available)

Standard Pendant Drop

Standard pendant hangs approximately 4' above the hoist's fully extended bottom hook (longer drops available)

Standard Power Supply Length

15' (longer lengths available)

Mountina

Hook, suspension bar or trolley

Standard Pendants

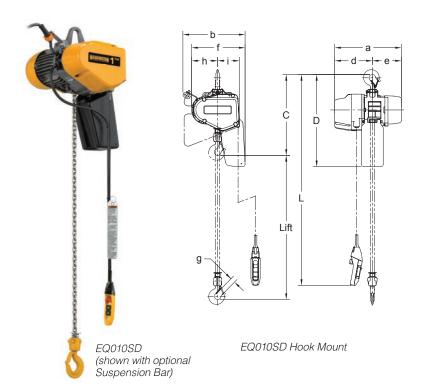
2-button (momentary contacts) with emergency On/Off (maintained contacts)

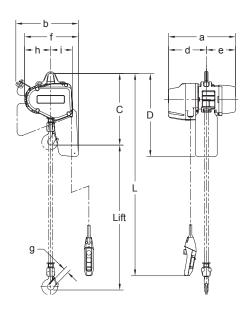
Chain Containers

Standard plastic



HARRINGTON ELECTRIC CHAIN HOISTS





EQ010SD Suspension Bar Mount

EQ 3-PHASE DUAL SPEED VFD HOIST — SPECIFICATIONS

			Push Button				Lifting Motor ¹ 3-Phase 50/60 Hz Rated Current (amps)			Load Chain Diameter (mm)		Weight for Additional	
		Standard	Cord	Litti	ng Speed² (ft/			Rated Curr	ent (amps)	x	Net	One Foot of Lift (lbs)	
Capacity (Tons)	Product Code	Lift (ft)	L (ft)	High	Low	No Load High Speed	Output (Hp)	@208-230V	@380-460V	Chain Fall Lines	Weight (lbs)		
1/8	EQ001SD			56	9.3	72	0.67	5.1	2.8		71		
1/4	EQ003SD	10	8.2	33	5.5	43	0.07	5.1	2.0	5.6 x 1		0.48	
1/2	EQ005SD	10	0.2	25	4.2	32	1.0	6.3	3.3		75		
1	EQ010SD			23	3.8	30	2.0	10.5	5.5	7.1 x 1	97	0.77	

¹⁾ Although different voltages are shown, motors are NOT re-connectable and voltage can NOT be changed due to electrical components being voltage specific.

EQ 3-PHASE DUAL SPEED VFD HOIST — DIMENSIONS

Capacity Product		Headroom C (in)		D (in)			h	ч				h		
(Tons)	Code	Top Hook	Susp. Bar	Top Hook	Susp. Bar	a (in)	(in)	(in)	e (in)	(in)	g (in)	(in)	(in)	
1/8	EQ001SD	17.3	15.6											
1/4	EQ003SD	17.3	15.6	21.0	19.1	16.4	14.4	9.1	7.4	11.7	1.1	5.4	5.0	
1/2	EQ005SD	18.0	16.1											
1	EQ010SD	20.7	18.3	23.5	21.1	17.0	15.9	9.6	7.4	13.1	1.2	6.1	5.6	

²⁾ Speeds are adjustable between low and high speed.





EQM Electric Chain Hoists with Motorized Trolleys



EQM010SD-SD

Harrington's MRQ Series dual speed (VFD Control) motorized trolley adds powered mobility to our EQ Series three-phase dual speed (VFD Control) electric chain hoists for applications where long travel distance is needed.

Features and Benefits

Pull-Rotor Motor Brake

Extremely durable and reliable, this advanced design contains no brake coil to fail like conventional disc brakes.

External Motor Fan

Functions to quickly eliminate resistor, motor and brake heat. This results in improved hoist duty rating and greatly lengthens brake life. Motor is totally enclosed, fan cooled (TEFC).

Precision Machined Helical Gears

Immersed in oil bath lubrication results in quiet, smooth and cool operation.

Chain Container

Durable plastic containers are standard.

Corrosion Resistant Load Chain

Nickel-plated, Grade 80, DIN chain for superb durability and strength.

Forged Carbon Steel Hooks

Under excessive loads will open gradually and not fracture. Ball bearings produce smooth rotation. Bottom hook will swivel 360°. Heavy-duty hook latches are standard.

Compact Aluminum Body

Die-cast body is lightweight and offers low headroom – one of the best in the industry. Paint is electrostatically applied.

Completely Sealed Body

Suitable for both indoor and outdoor applications, including harsh environments. (Consult Owner's Manual for details.) Gaskets throughout the hoist provide for an IP55 rating.

Variable Frequency Drive (VFD)

Dual speed controls via "underthe-cover" variable frequency drive for both single-phase and three-phase hoists. VFD includes count hour meter, load limiter and no-load high-speed function.

Long Life Friction Clutch

Protects hoist from damage and prevents overwinding.

Upper/Lower Limit Switch

Low profile upper and lower limit switches provide excellent headroom.

Unique Chain Guide

Provides quiet and smooth guiding of chain. Heavy cast iron construction for improved wear versus stamped steel design offered by many manufacturers.

Durable Push Button Pendant

Easy to use, one-handed operation. Rated IP65. Standard control voltage is 24V. Strain relief wire is molded to pendant cord for added support and dependability. E-Stop is standard on all pendants.

Extreme Duty Motor

Increased performance through 30/10-minute duty rating, H4 classification, Class B insulation, cooling fins and external thermal motor protection.

Load Sheave

Five deep-groove pockets fully support the load chain during operation. Reduces vibration and chain wear. Provides true vertical lift.

Operating Conditions

Recommended for -4° to +104°F and humidity of 85% or less.

Standard Motorized Trolley Specifications

Capacity Range

1/8 Ton - 1 Ton

Standard Voltage

(208-230)-3-50/60 (380-460)-3-50/60

Control Voltage

24VDC

Duty Cycle* 30/10 Min.

Classification*

ASME H4 ISO 1/8-1/2T M6; 1T M5 FEM 1/8-1/2T 3m; 1T 2m

Ratings

Trolley – IP55 Pendant – IP65

Standard Pendants

4-button (momentary contacts) with emergency On/Off (maintained contacts)

Shafts

Standard shafts fit wide flange range Longer shafts for wider beams Spacers for easy adjustments

Drop Stops

Standard

Bumpers

Standard

Wheels

All steel

Shielded ball bearings Fit flat or tapered beam flange

Standard Power Supply Length

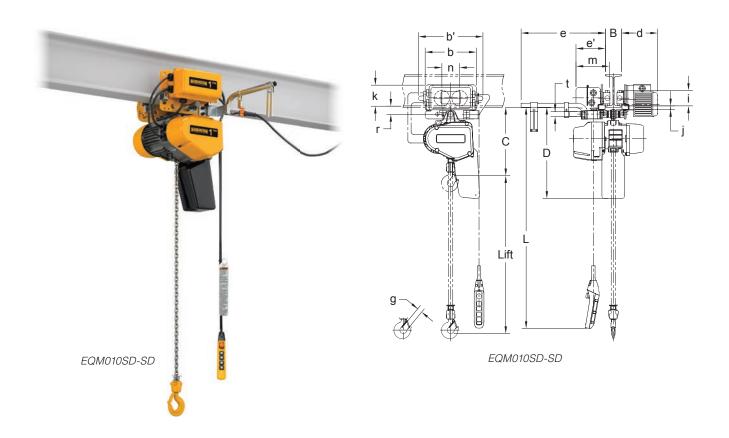
30' (longer lengths available)

Standard Pendant Drop

Standard pendant hangs approximately 4' above the hoist's fully extended bottom hook



HARRINGTON ELECTRIC CHAIN HOISTS



EQ 3-PHASE DUAL SPEED VFD HOIST WITH DUAL SPEED VFD TROLLEY — SPECIFICATIONS

					Liftii Spee			Rated Current						ng Motor 50/60 Hz		Flange Adjusta B			Load Chain Diameter		
			Push		(ft/min)			(amps) ((ft/min)			Rated Current (amps)			(in)		Minimum ³			Weight for
		Std.	Button Cord			No Load												Allow. Radius	x Chain	Net	Additional One Foot
Cap. (Tons)	Product Code	Lift (ft)	L (ft)	Hinh	l nw	High Speed	Output (Hp)	@208- 230V			Low	Output (Hp)	@208- 230V	@380- 440V	@415- 460V	Standard	Ontional	for Curve (in)	Fall Lines	Weight (lbs)	of Lift (lbs)
1/8	EQM001SD-SD		(11)	56	\vdash	72	(117)	2001	1001	g	2011	(116)	2001	1101	1001	Otunuuru	Optional	(,	200	139	(150)
	EQM003SD-SD			33		43	0.67	5.1	2.8							0.00+-	0.00.4-		5.6 x 1	141	0.48
_	EQM005SD-SD	10	8.2		4.2	32	1.0	6.3	3.3	80	13	0.54	3.4	2.5	1.7	2.28 to 6.02	6.03 to 12.00	31.5	J.U X 1	146	0.40
1/2				<u> </u>	\vdash		_														
1	EQM010SD-SD			23	3.8	30	2.0	10.5	5.5										7.1 x 1	165	0.77

¹⁾ Although different voltages are shown, motors are NOT re-connectable and voltage can NOT be changed due to electrical components being voltage specific.

EQ 3-PHASE DUAL SPEED VFD HOIST WITH DUAL SPEED VFD TROLLEY — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	D (in)	b' (in)	b (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/8	EQM001SD-SD	16.5														
1/4	EQM003SD-SD	10.5	20.3	15.6	12.4	8.7	20.3	7.1	1.1	3.7	1.1	5.1	8.1	4.3	2.0	1.2
1/2	EQM005SD-SD	17.3		15.6						ა./		0.1	0.1	4.3	2.0	1.2
1	EQM010SD-SD	19.3	22.2						1.2		0.9					

²⁾ Speeds are adjustable between low and high speed.

³⁾ Flange widths smaller than 4 inches will have a minimum radius of 137.8 inches.





EQP and EQG Electric Chain Hoists with Push or Geared Trolleys



Mounting Harrington's EQ Series three-phase dual speed (VFD Control) electric chain hoist to our PT push or GT geared trolley will create an easy and economical method of transporting the load. This combination is ideal for workstations and infrequent moves.

Features and Benefits

Pull-Rotor Motor Brake

Extremely durable and reliable, this advanced design contains no brake coil to fail like conventional disc brakes.

External Motor Fan

Functions to quickly eliminate resistor, motor and brake heat. This results in improved hoist duty rating and greatly lengthens brake life. Motor is totally enclosed, fan cooled (TEFC).

Precision Machined Helical Gears

Immersed in oil bath lubrication results in quiet, smooth and cool operation.

Chain Container

Durable plastic containers are standard.

Corrosion Resistant Load Chain

Nickel-plated, Grade 80, DIN chain for superb durability and strength.

Forged Carbon Steel Hooks

Under excessive loads will open gradually and not fracture. Ball bearings produce smooth rotation. Bottom hook will swivel 360°. Heavy-duty hook latches are standard.

Compact Aluminum Body

Die-cast body is lightweight and offers low headroom – one of the best in the industry. Paint is electrostatically applied.

Completely Sealed Body

Suitable for both indoor and outdoor applications, including harsh environments. (Consult Owner's Manual for details.) Gaskets throughout the hoist provide for an IP55 rating.

Variable Frequency Drive (VFD)

Dual speed controls via "underthe-cover" variable frequency drive for both single-phase and three-phase hoists. VFD includes count hour meter, load limiter and no-load high-speed function.

Long Life Friction Clutch

Protects hoist from damage and prevents overwinding.

Upper/Lower Limit Switch

Low profile upper and lower limit switches provide excellent headroom.

Unique Chain Guide

Provides quiet and smooth guiding of chain. Heavy cast iron construction for improved wear versus stamped steel design offered by many manufacturers.

Durable Push Button Pendant

Easy to use, one-handed operation. Rated IP65. Standard control voltage is 24V. Strain relief wire is molded to pendant cord for added support and dependability. E-Stop is standard on all pendants.

Extreme Duty Motor

Increased performance through 30/10-minute duty rating, H4 classification, Class B insulation, cooling fins and external thermal motor protection.

Load Sheave

Five deep-groove pockets fully support the load chain during operation. Reduces vibration and chain wear. Provides true vertical lift.

Operating Conditions

Recommended for -4° to +104°F and humidity of 85% or less.

Standard Trolley Specifications

Capacity Range

1/8 Ton - 1 Ton

Shafts

Standard shafts fit wide range Longer shafts for wider beams Spacers for easy adjustments

Drop Stops

Standard

Bumpers

Optional

Standard Hand Chain Drop

Standard geared trolley hand chain hangs approximately 2' less than hoist's fully extended bottom hook (longer drops available)

Wheels

All steel Sealed ball bearings Fit flat or tapered beam flange

Standard Hoist Pendant Drop

Standard pendant hangs approximately 4' above the hoist's fully extended bottom hook (longer drops available)

Standard Hoist Power Supply Length

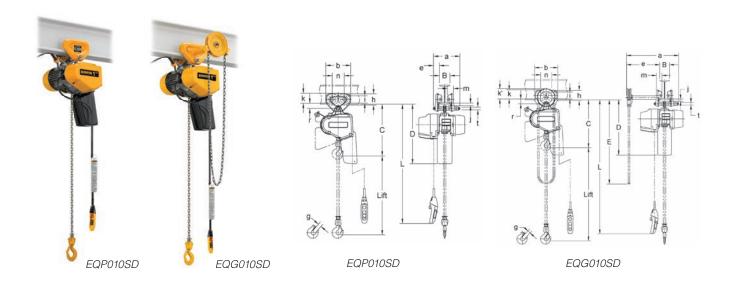
15' (longer lengths available)

Standard Pendants

2-button (momentary contacts) with emergency On/Off (maintained contacts)



HARRINGTON ELECTRIC CHAIN HOISTS



EQ 3-PHASE DUAL SPEED VFD HOIST WITH PUSH OR GEARED TROLLEY — SPECIFICATIONS

						,		Motor¹ 3 50/60 Hz		Flange Adjusta	Width ahility3				
			Push Button		Lifting Speed ² (ft/min)			Rated Current (amps)		B (in)		Minimum ^{3,4} Allow.	Load Chain Diameter (mm)		Weight for Additional
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	High	Low	No Load High Speed	Output (Hp)	@208- 230V	@380- 460V	Standard	Optional	Radius for Curve (in)	X Chain Fall Lines	Net Weight³ (lbs)	One Foot of Lift (Ibs)
1/8	EQ(P/G)001SD			56	9.3 72	5.1	2.8		4.01 to 8.00			75 (97)			
1/4	EQ(P/G)003SD		8.2	33	5.5	43	0.67	5.1	2.0	2.28 to 4.00 (2.28 to	(5.01 to 8.00) OR	43.3	5.6 x 1	75 (99)	0.48
1/2	EQ(P/G)005SD	10		25	4.2	32	1.0	6.3	3.3	5.00)	8.01 to 12.00	(51.2)		79 (104)	
1	EQ(P/G)010SD			23	3.8	30	2.0	10.5	5.5	2.28 to 5.00	5.01 to 8.00 OR 8.01 to 12.00	51.2	7.1 x 1	108 (123)	0.77

¹⁾ Although different voltages are shown, motors are NOT re-connectable and voltage can NOT be changed due to electrical components being voltage specific.

³⁾ Figures in parentheses are data for geared trolley if different than push trolley.
4) Minimum Flange Width for curved beam: 1 Ton Push and 1/8 to 1 Ton Geared = 2.87 in.

EQ 3	-PHASE DU	AL SPE	ED VF	D HO	IST W	ITH PL	JSH TR	OLLE	/ — DI	MENSI	ONS				
Cap. (Tons)	Product Code	Headroom C (in)	D (in)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/8	EQP001SD	16.3													
1/4	EQP003SD	10.3	19.9	10.4	7.2	1.8	1.1	3.2	2.4	0.75	3.0	1.9	3.3	1.5	0.87
1/2	EQP005SD	16.9													
1	EQP010SD	19.3	22.2	11.2	9.3	2.2	1.2	4.2	2.8	0.98	3.7	2.2	4.4	2.0	0.98

EQ 3-	PHASE DU	AL SPE	ED VI	D HC	IST V	WITH	GEAR	ED TI	ROLLI	EY —	DIME	NSIOI	l S				
Cap. (Tons)	Product Code	Headroom C (in)	D (in)	E (ft)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)
1/8	EQG001SD	16.7															
1/4	EQG003SD	10.7	20.3	10.5	20.9	9.3	13.3	1.1	4.2	2.8	,, ,,	0.7	4.2	2.2	1 4 4	2.0	0.98
1/2	EQG005SD	17.3					13.3		4.2	2.0	1.1	3.7	4.2	2.2	4.4	2.0	0.90
1	EQG010SD	19.3	22.2					1.2									

 $^{2) \} Speeds \ are \ adjustable \ between \ low \ and \ high \ speed.$