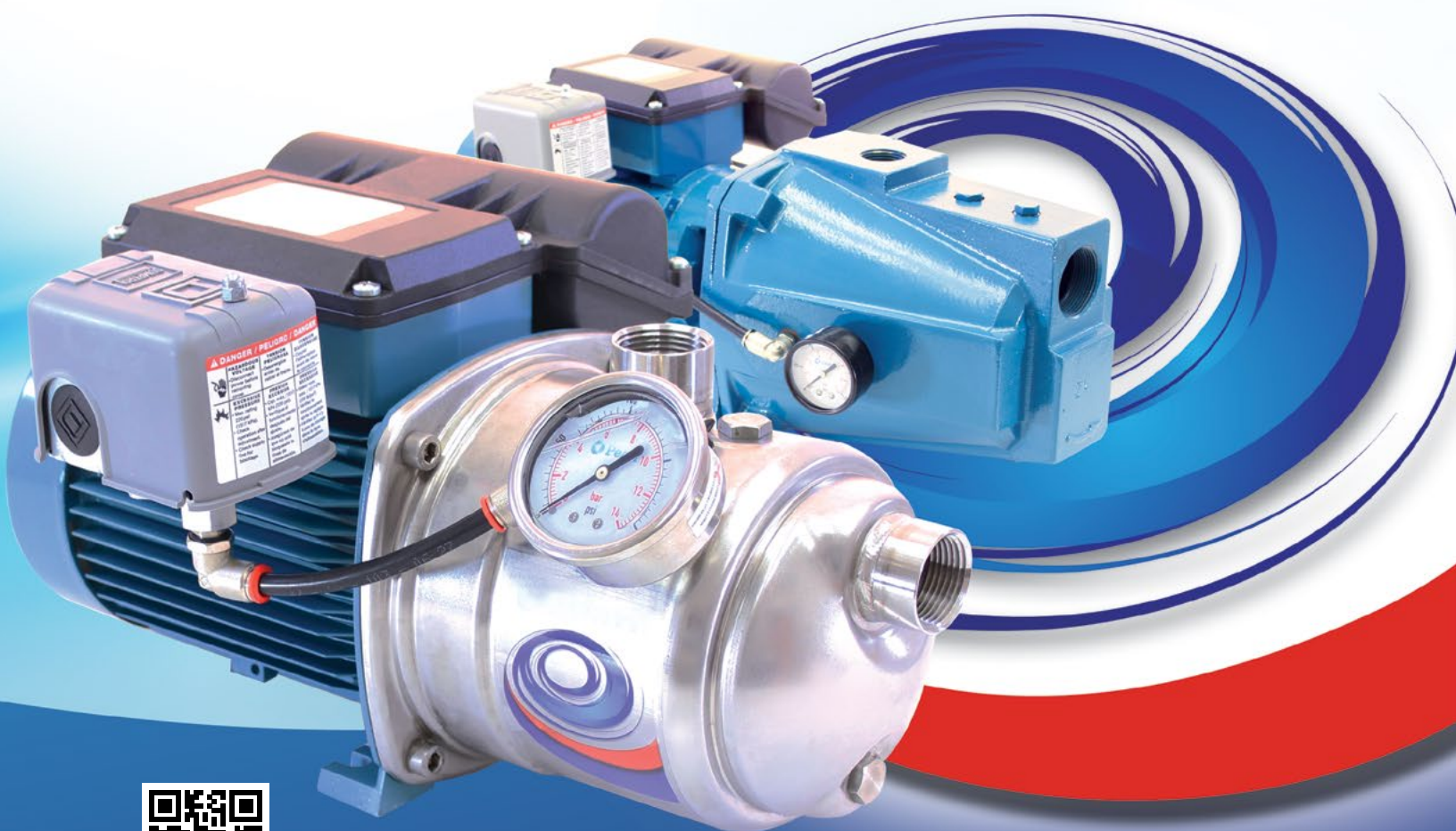


Pearl[®] *Water Systems*

**Self priming jet pumps
End suction centrifugal pumps
Horizontal multistage pumps catalog**



ABOVE GROUND



Self priming jet pumps
End suction centrifugal pumps
Horizontal multistage pumps catalog



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TEL: (954) 474 9090 FAX: (954) 889 0413

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Self priming jet pumps

Features

An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

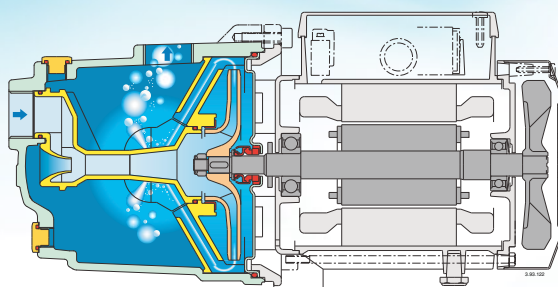
Reliable with new design features, the JCC is more robust and forgiving when temporary abnormal operating conditions may exist.

The JCC is smaller than conventional pumps of a similar type, allowing for installation in restricted spaces and providing for easier retrofit applications.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The JCC is capable of lifting water from depths of 22 ft in less than 3 minutes, offers new possibilities on suction lift applications, and provides better trouble free service on normal shallow-well suction lift duties, also with a long suction pipe above the water level.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.



Applications

- For lifting water out of a well.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- A pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).
- For garden use.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Suction lift up to 22 ft.
- Maximum permissible pressure in the pump casing: 116 psi
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 115/230 V, 115 V, 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Pressure gauge.

Special Features on request

Other voltages.

Materials

COMPONENT	MATERIAL
Pump Casing	Cast iron GJL 200 EN 1561
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass P-Cu Zn 40 Pb 2 UNI 5705
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Chrome Steel 1.4104 EN 10088 (AISI 304)
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps

Technical Data | n= 3450 rpm

MODEL	HP	TOTAL SUCTION LIFT HS FT	DISCHARGE PRESSURE (PSI)						MAX. SHUT - OFF PSI
			20	30	40	50	60	70	
			PUMP CAPACITY US (GPM)						
JCC 05	0.5	5		12.3	9.0	5.5	2.4		73
		10		11.9	8.5	5.0	2.0		71
		15		11.1	7.6	4.2	1.4		69
		20		10.5	7.0	3.6	1.0		66
		25		9.6	6.1	2.9	0.6		64
JCC 07	0.75	5	21.3	14.7	8.7	3.3			58
		10	20.4	13.9	8.0	2.7			56
		15	18.7	12.3	6.6	1.4			54
		20	17.5	11.3	5.6	0.6			51
		25	15.8	9.7	4.2	-			49
JCC 10	1	5		22.2	16.3	11.1	6.2		74
		10		21.4	15.6	10.4	5.6		72
		15		19.8	14.2	9.1	4.3		70
		20		18.8	13.3	8.3	3.5		67
		25		17.3	12	7	2.3		65

P2 Rated motor power output | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

Recommended operating range.

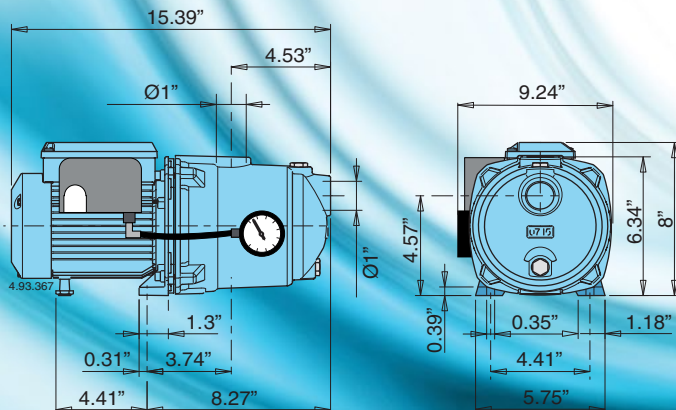
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	IA / In	115V In A	230V In A	115 / 230V In A	IA / In
JCC 05	0.5	2.6 / 1.6	3.7	10.8	5.4	8.8 / 4.5	3.1
JCC 07	0.75	3.8 / 2.3	6.8	12.4	6.2	10.5 / 5.4	3.5
JCC 10	1	5.4 / 3.1	5.5	13.8	7.2	13.6 / 7	3.5

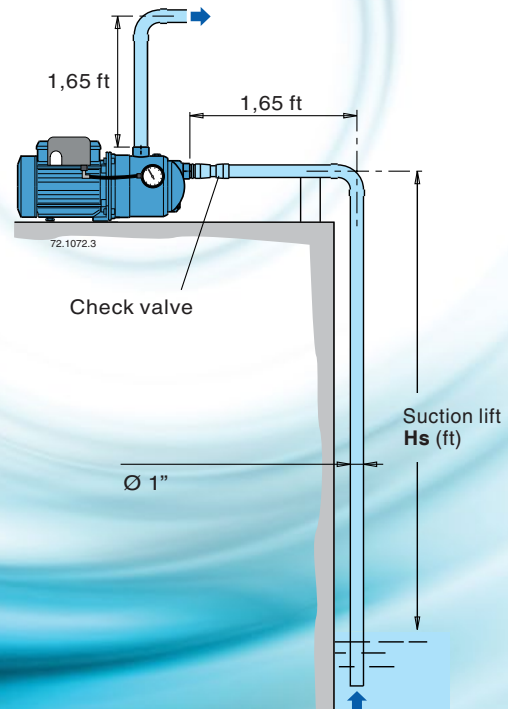
P2 Rated motor power output | IA / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JCC 05	25.7	27.7
JCC 07	27.7	29.9
JCC 10	31.4	31.5



Installation





Self priming jet pumps for special applications

Features

This new version of the JCC has been designed for water treatment applications. The components were developed to resist the extreme working conditions of the systems pumping liquid with surfure. The JCC DELUXE has been sized to work in boosting operation because the components resist pressure above standard pumps.

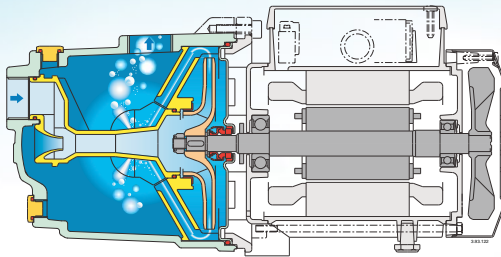
An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

Reliable with new design features, the JCC DELUXE is more robust and forgiving when temporary abnormal operating conditions may exist.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The JCC DELUXE is capable of lifting water from depths of 22 ft in less than 3 minutes, offers new possibilities on suction lift applications, and provides better trouble free service on normal shallow-well suction lift duties, also with a long suction pipe above the water level.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.



Applications

- Boosting water from well pump to reverse osmosis filtration systems.
- Pumping water with sulfur content.
- For lifting water out of a well, with surfur content.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- A pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Suction lift up to 22 ft.
- Maximum permissible pressure in the pump casing: 116 psi
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 115/230 V, 115 V, 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Liquid fill pressure gauge in stainless steel.

Special Features on request

Other voltages.

Materials

COMPONENT	MATERIAL
Pump Casing	Cast iron GJL 200 EN 1561
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass P-Cu Zn 40 Pb 2 UNI 5705
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Stainless steel AISI 316
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps for special applications pumps

Technical Data | n= 3450 rpm

MODEL	HP	Total Suction Lift Hs ft	Discharge Pressure in PSI						Max. Shut - OFF PSI
			20	30	40	50	60	70	
			Pump Capacity US (GPM)						
JCC 05 DELUXE	0.5	5		12.3	9.0	5.5	2.4		73
		10		11.9	8.5	5.0	2.0		71
		15		11.1	7.6	4.2	1.4		69
		20		10.5	7.0	3.6	1.0		66
		25		9.6	6.1	2.9	0.6		64
JCC 07 DELUXE	0.75	5	21.3	14.7	8.7	3.3			58
		10	20.4	13.9	8.0	2.7			56
		15	18.7	12.3	6.6	1.4			54
		20	17.5	11.3	5.6	0.6			51
		25	15.8	9.7	4.2	-			49
JCC 10 DELUXE	1	5		22.2	16.3	11.1	6.2		74
		10		21.4	15.6	10.4	5.6		72
		15		19.8	14.2	9.1	4.3		70
		20		18.8	13.3	8.3	3.5		67
		25		17.3	12	7	2.3		65

P2 Rated motor power output | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

□ Recommended operating range.

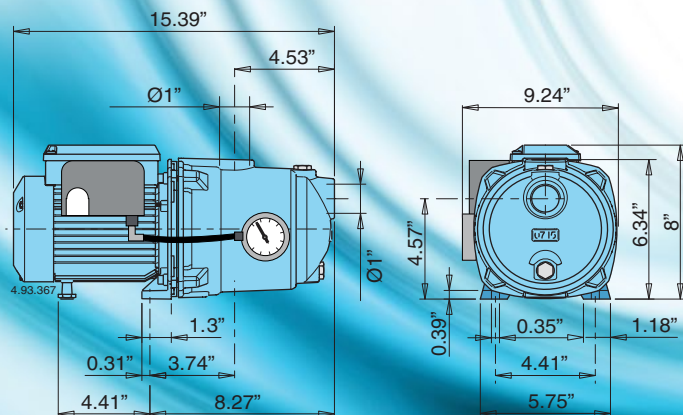
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	I _A / In	115V In A	230V In A	115 / 230V In A	I _A / In
JCC 05 DELUXE	0.5	2.6 / 1.6	3.7	10.8	5.4	8.8 / 4.5	3.1
JCC 07 DELUXE	0.75	3.8 / 2.3	6.8	12.4	6.2	10.5 / 5.4	3.5
JCC 10 DELUXE	1	5.4 / 3.1	5.5	13.8	7.2	13.6 / 7	3.5

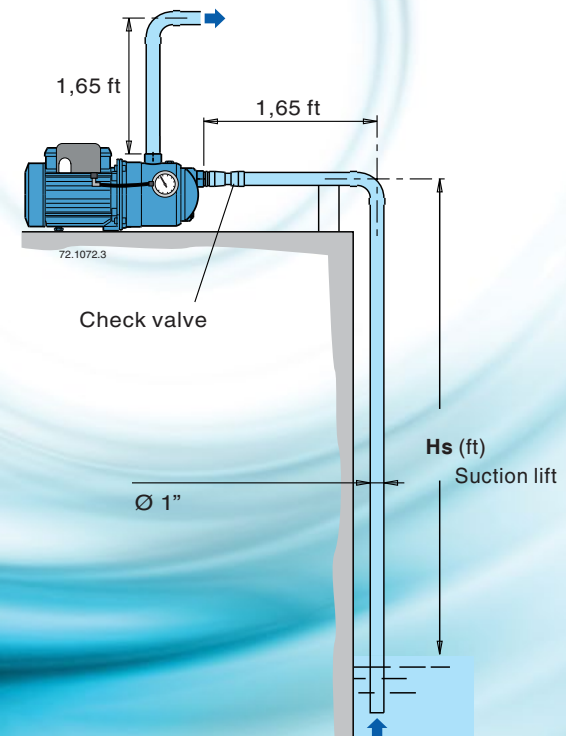
P2 Rated motor power output | I_A / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JCC 05 DELUXE	25.7	27.7
JCC 07 DELUXE	27.7	29.9
JCC 10 DELUXE	31.4	31.5



Installation



Pearl®

JCCH/JCCQ

Self priming jet pumps

Features

An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

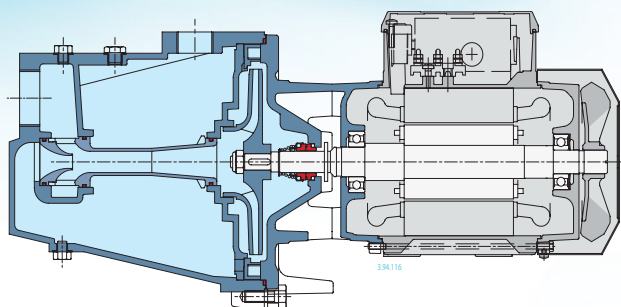
Reliable with new design features, the JCCH/JCCQ is more robust and forgiving when temporary abnormal operating conditions may exist.

The JCCH/JCCQ is smaller than conventional pumps of a similar type, allowing for installation in restricted spaces and providing for easier retrofit applications.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The JCCH/JCCQ is capable of lifting water from depths of 22 ft in less than 3 minutes, offers new possibilities on suction lift applications, and provides better trouble free service on normal shallow-well suction lift duties, also with a long suction pipe above the water level.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.

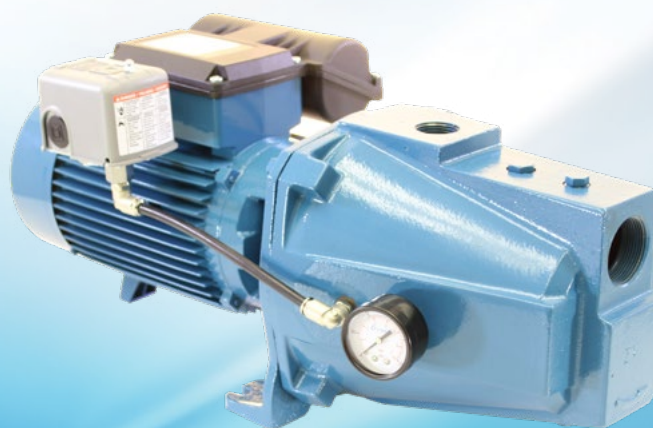


Applications

- For lifting water out of a well.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- A pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).
- For garden use.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Suction lift up to 22 ft.
- Maximum permissible pressure in the pump casing: 140 psi
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Pressure gauge.

Special Features on request

Other voltages.

Materials

COMPONENT	MATERIAL
Pump Casing	Cast iron GJL 200 EN 1561
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass P-Cu Zn 40 Pb 2 UNI 5705
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Chrome Steel 1.4104 EN 10088 (AISI 430)
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps

Technical Data | n= 3450 rpm

MODEL	HP	Total Suction Lift Hs ft	Discharge Pressure in PSI								Max. Shut - OFF PSI
			20	30	40	50	60	70	80	90	
			Pump Capacity US (GPM)								
JCCH 15	1.5	5			-	19.2	12.3	6.3			83
		10			26.2	18.3	11.5	5.6			81
		15			24.0	16.4	9.9	4.2			79
		20			22.6	15.2	8.9	3.3			76
		25			20.6	13.5	7.3	1.9			74
JCCQ 15	1.5	5	50.2	38.3	26.5	14.8					64
		10	48.7	36.8	25.0	13.3					62
		15	45.6	33.7	21.9	10.3					60
		20	43.5	31.6	19.9	8.3					57
		25	40.4	28.6	16.9	5.3					55
JCCH 20	2	5				22	20	16	12	8	111
		10				21	18	15	11	7.5	107
		15				21	18	13.5	10	6.5	105
		20				21	17	13	9	6	103
		25			20	20	16	12	8	4.5	101

P2 Rated motor power output | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

■ Recommended operating range.

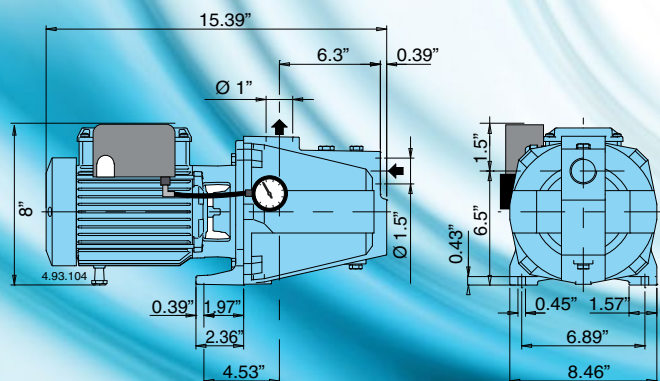
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	Ia / In	115V In A	230V In A	115 / 230V In A	Ia / In
JCCH 15	1.5	8.3 / 4.8	5.4		10.6		3.8
JCCQ 15	1.5	8.3 / 4.8	5.4		10.6		3.8
JCCH 20	2				13.5		

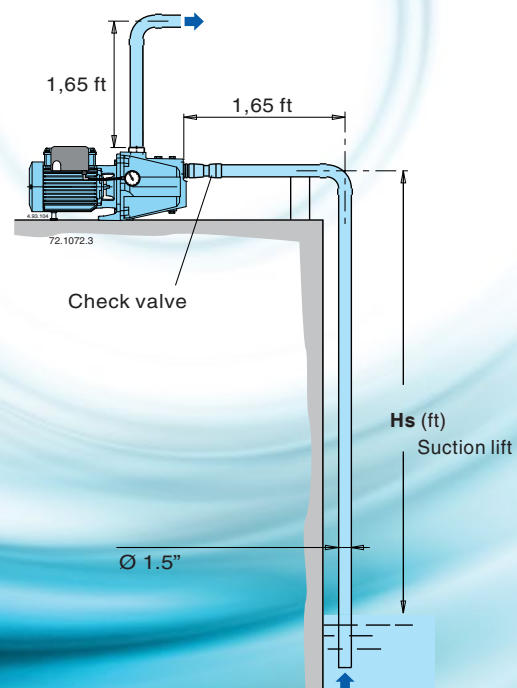
P2 Rated motor power output | Ia / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JCCH 15	65	67.8
JCCQ 15	65	67.8
JCCH 20	69	74



Installation





JCCH/JCCQ DELUXE

Self priming jet pumps for special applications pumps

Features

This new version of the JCC has been designed for water treatment applications. The components were developed to resist the extreme working conditions of the systems pumping liquid with surfure. The JCCH DELUXE / JCCQ DELUXE has been sized to work in boosting operation because the components resist pressure above standard pumps.

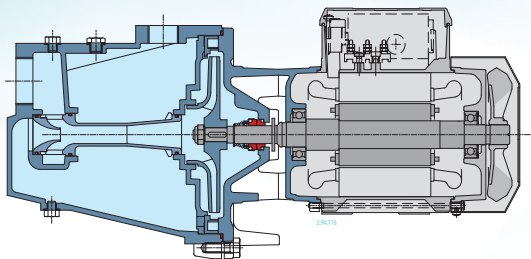
An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

Reliable with new design features, the JCCH DELUXE / JCCQ DELUXE is more robust and forgiving when temporary abnormal operating conditions may exist.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The JCCH DELUXE / JCCQ DELUXE is capable of lifting water from depths of 22 ft in less than 3 minutes, offers new possibilities on suction lift applications, and provides better trouble free service on normal shallow-well suction lift duties, also with a long suction pipe above the water level.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.

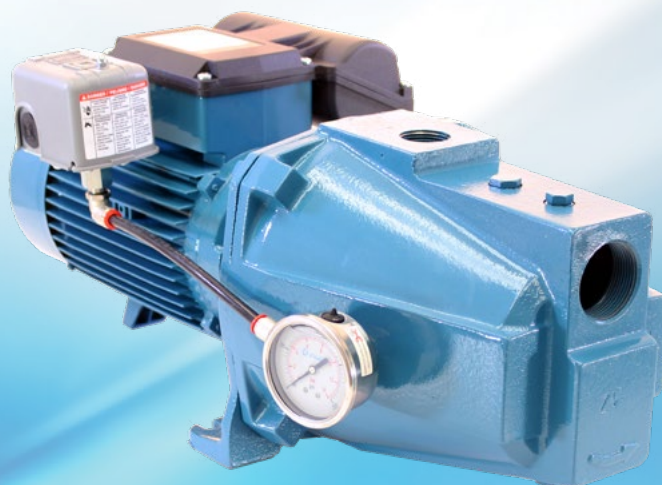


Applications

- Boosting water from well pump to reverse osmosis filtration systems.
- Pumping water with sulfur content.
- For lifting water out of a well, with surfur content.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- A pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Suction lift up to 22 ft.
- Maximum permissible pressure in the pump casing: 140 psi
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Liquid fill pressure gauge in stainless steel.

Special Features on request

Other voltages.

Materials

COMPONENT	MATERIAL
Pump Casing	Cast iron GJL 200 EN 1561
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass P-Cu Zn 40 Pb 2 UNI 5705
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Stainless steel AISI 316
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps for special applications pumps

Technical Data | n= 3450 rpm

MODEL	HP	Total Suction Lift Hs ft	Discharge Pressure in PSI								Max. Shut - OFF PSI
			20	30	40	50	60	70	80	90	
			Pump Capacity US (GPM)								
JCCH 15 DELUXE	1.5	5			-	19.2	12.3	6.3			83
		10			26.2	18.3	11.5	5.6			81
		15			24.0	16.4	9.9	4.2			79
		20			22.6	15.2	8.9	3.3			76
		25			20.6	13.5	7.3	1.9			74
JCCQ 15 DELUXE	1.5	5	50.2	38.3	26.5	14.8					64
		10	48.7	36.8	25.0	13.3					62
		15	45.6	33.7	21.9	10.3					60
		20	43.5	31.6	19.9	8.3					57
		25	40.4	28.6	16.9	5.3					55
JCCH 20 DELUXE	2	5				22	20	16	12	8	111
		10				21	18	15	11	7.5	107
		15				21	18	13.5	10	6.5	105
		20				21	17	13	9	6	103
		25			20	20	16	12	8	4.5	101

P2 Rated motor power output | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

■ Recommended operating range.

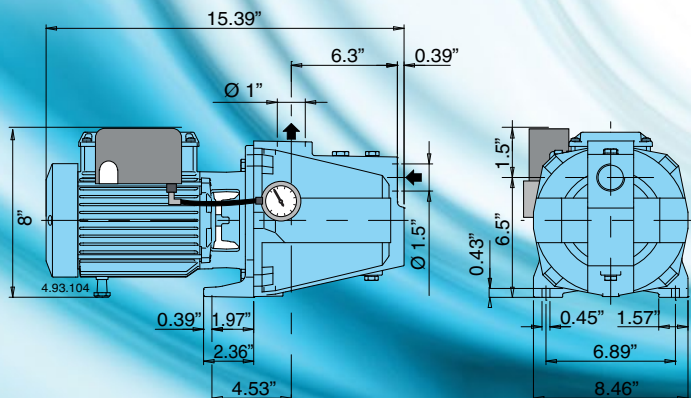
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	Ia / In	115V In A	230V In A	115 / 230V In A	Ia / In
JCCH 15 DELUXE	1.5	8.3 / 4.8	5.4		10.6		3.8
JCCQ 15 DELUXE	1.5	8.3 / 4.8	5.4		10.6		3.8
JCCH 20 DELUXE	2				13.5		

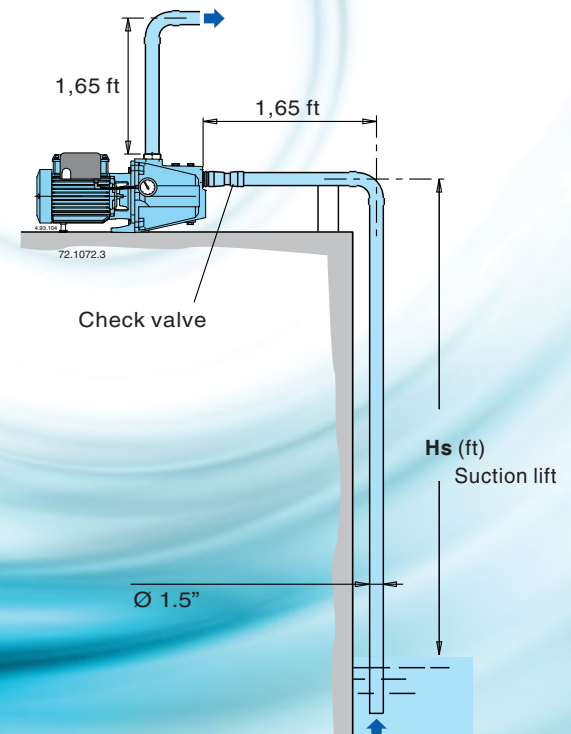
P2 Rated motor power output | Ia / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JCCH 15 DELUXE	65	67.8
JCCQ 15 DELUXE	65	67.8
JCCH 20 DELUXE	69	74



Installation





JSC

Self priming jet pumps

Features

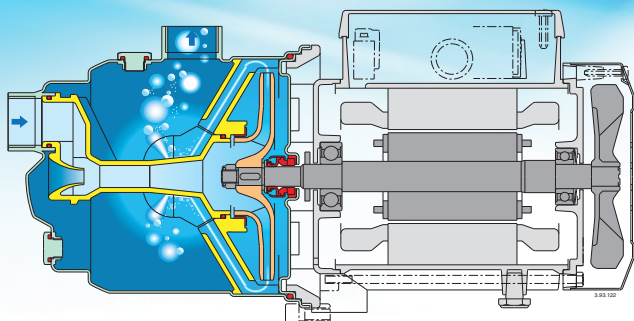
An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

Reliable with new design features, the JSC is more robust and forgiving when temporary abnormal operating conditions may exist.

The JSC is smaller than conventional pumps of a similar type, allowing for installation in restricted spaces and providing for easier retrofit applications.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.



Applications

- For lifting water out of a well.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- As pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).
- For garden use.
- For clean liquids or slightly dirty surface water.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- A high-quality pump for domestic water supply.
- Designed with environmental considerations, featuring a stainless steel casing, brass alloy impeller with minimal use of plastic materials.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 115/230 V, 115 V, 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Pressure gauge.

Special Features on request

Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass CW510L (lead free public LAW 111-380)
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Chrome Steel 1.4104 EN 10088 (AISI 403) Cr-Ni steel 1.4305 EN 10088 (AISI 303) for JSC(H) 15
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps

Technical Data | n= 3450 rpm

MODEL	HP	Total Suction Lift Hs ft	Discharge Pressure in PSI						Max. Shut - OFF PSI
			20	30	40	50	60	70	
			Pump Capacity US (GPM)						
JSC 05	0.5	5		12.3	9.0	5.5	2.4		73
		10		11.9	8.5	5.0	2.0		71
		15		11.1	7.6	4.2	1.4		69
		20		10.5	7.0	3.6	1.0		66
		25		9.6	6.1	2.9	0.6		64
JSC 07	0.75	5	21.3	14.7	8.7	3.3			58
		10	20.4	13.9	8.0	2.7			56
		15	18.7	12.3	6.6	1.4			54
		20	17.5	11.3	5.6	0.6			51
		25	15.8	9.7	4.2	-			49
JSC 10	1	5		22.2	16.3	11.1	6.2		74
		10		21.4	15.6	10.4	5.6		72
		15		19.8	14.2	9.1	4.3		70
		20		18.8	13.3	8.3	3.5		67
		25		17.3	12	7	2.3		65

P2 Rated motor power output. | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

■ Recommended operating range.

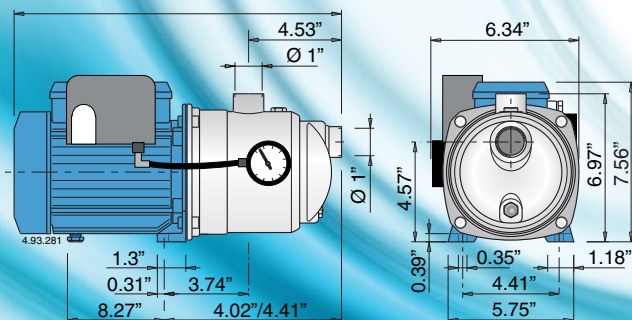
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	IA / In	115V In A	230V In A	115 / 230V In A	IA / In
JSC 05	0.5	2.6 / 1.6	3.7	10.8	5.4	8.8 / 4.5	3.1
JSC 07	0.75	3.8 / 2.3	6.8	12.4	6.2	10.5 / 5.4	3.5
JSC 10	1	5.4 / 3.1	5.5	13.8	7.2	13.6 / 7	3.5

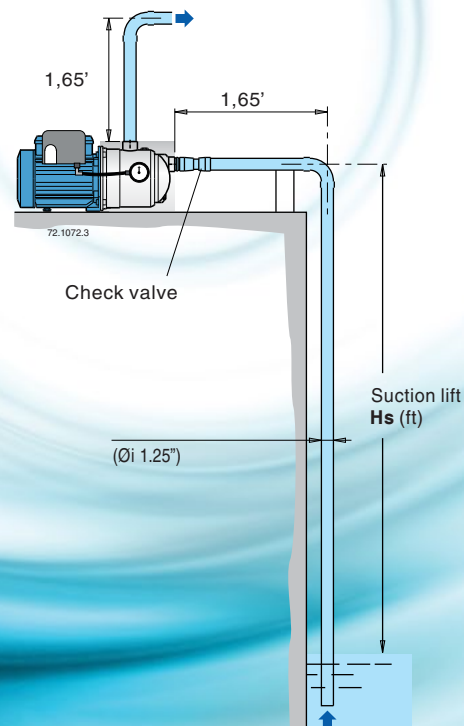
P2 Rated motor power output. | IA / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JSC 05	19.1	21.1
JSC 07	21.1	23.3
JSC 10	25.3	25.4



Installation





Self priming jet pumps for special applications pumps

Features

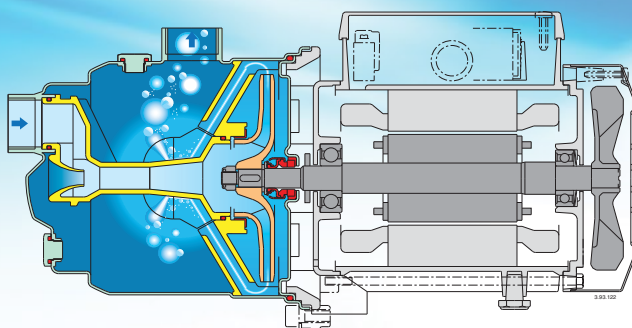
This new version of the JSC has been designed for water treatment applications. The components were developed to resist the extreme working conditions of systems pumping RO water (Reverse Osmosis Systems).

An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

Reliable with new design features, the JSC DELUXE is more robust and forgiving when temporary abnormal operating conditions may exist.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.



Applications

- Pumping water out from RO water.
- Pumping in environments where water with a percentage of sulfur.
- For lifting water out of a well, with sulfur water.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- As pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).
- For garden use.
- For clean liquids or slightly dirty surface water.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- A high-quality pump for domestic water supply.
- Designed with environmental considerations, featuring a stainless steel casing, brass alloy impeller with minimal use of plastic materials.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 115/230 V, 115 V, 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Liquid filled pressure gauge in stainless steel.

Special Features on request

Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass CW510L (lead free public LAW 111-380)
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Stainless steel AISI 316
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps for special applications pumps

Technical Data | n= 3450 rpm

MODEL	HP	Total Suction Lift Hs ft	Discharge Pressure in PSI						Max. Shut - OFF PSI
			20	30	40	50	60	70	
			Pump Capacity US (GPM)						
JSC 05 DELUXE	0.5	5		12.3	9.0	5.5	2.4		73
		10		11.9	8.5	5.0	2.0		71
		15		11.1	7.6	4.2	1.4		69
		20		10.5	7.0	3.6	1.0		66
		25		9.6	6.1	2.9	0.6		64
JSC 07 DELUXE	0.75	5	21.3	14.7	8.7	3.3			58
		10	20.4	13.9	8.0	2.7			56
		15	18.7	12.3	6.6	1.4			54
		20	17.5	11.3	5.6	0.6			51
		25	15.8	9.7	4.2	-			49
JSC 10 DELUXE	1	5		22.2	16.3	11.1	6.2		74
		10		21.4	15.6	10.4	5.6		72
		15		19.8	14.2	9.1	4.3		70
		20		18.8	13.3	8.3	3.5		67
		25		17.3	12	7	2.3		65

P2 Rated motor power output. | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

Recommended operating range.

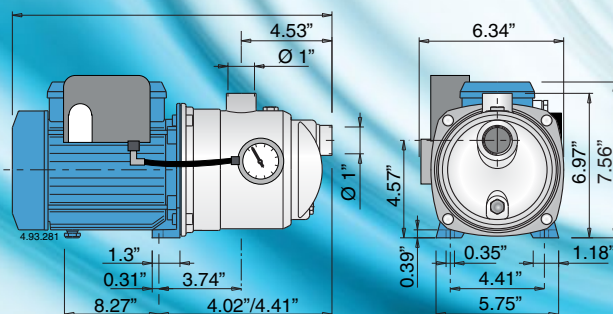
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	IA / In	115V In A	230V In A	115 / 230V In A	IA / In
JSC 05 DELUXE	0.5	2.6 / 1.6	3.7	10.8	5.4	8.8 / 4.5	3.1
JSC 07 DELUXE	0.75	3.8 / 2.3	6.8	12.4	6.2	10.5 / 5.4	3.5
JSC 10 DELUXE	1	5.4 / 3.1	5.5	13.8	7.2	13.6 / 7	3.5

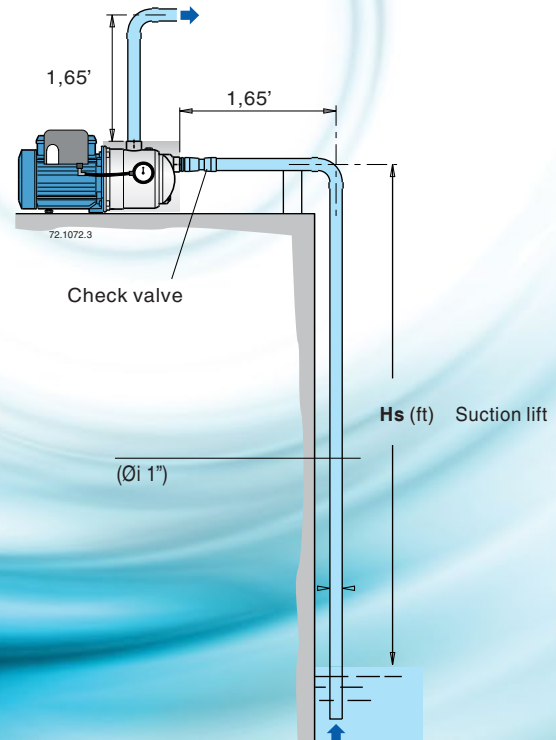
P2 Rated motor power output. | IA / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JSC 05 DELUXE	19.1	21.1
JSC 07 DELUXE	21.1	23.3
JSC 10 DELUXE	25.3	25.4



Installation



Pearl®

JSCH/JSCQ

Self priming jet pumps

Features

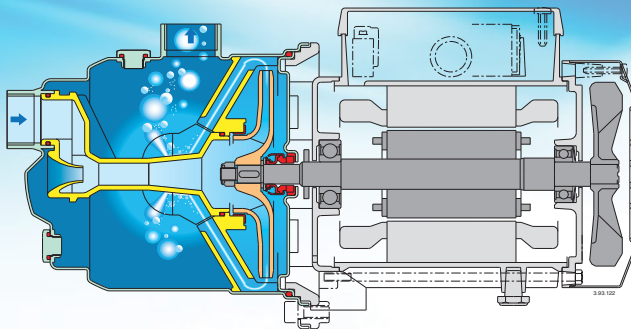
An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

Reliable with new design features, the JSCH / JSCQ is more robust and forgiving when temporary abnormal operating conditions may exist.

The JSCH/JSCQ is smaller than conventional pumps of a similar type, allowing for installation in restricted spaces and providing for easier retrofit applications.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.



Applications

- For lifting water out of a well.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- As pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).
- For garden use.
- For clean liquids or slightly dirty surface water.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 140 psi.
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- A high-quality pump for domestic water supply.
- Designed with environmental considerations, featuring a stainless steel casing, brass alloy impeller with minimal use of plastic materials.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz (n ≈ 3450 rpm).
- Three-phase 230/460 V.
- Single-phase 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Pressure gauge.

Special Features on request

Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass CW510L (lead free public LAW 111-380)
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Chrome Steel 1.4104 EN 10088 (AISI 403) Cr-Ni steel 1.4305 EN 10088 (AISI 303) for JSC(H) 15
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps

Technical Data | n= 3450 rpm

MODEL	HP	Total Suction Lift Hs ft	Discharge Pressure in PSI						Max. Shut - OFF PSI
			20	30	40	50	60	70	
			Pump Capacity US (GPM)						
JSCH 15	1.5	5			25.2	18.6	12.0	5.9	82
		10			24.4	17.8	11.2	5.1	80
		15			22.7	16.0	9.5	3.7	78
		20			21.5	14.9	8.5	2.8	75
		25			19.8	13.2	6.9	1.4	73
JSCQ 15	1.5	5		38.4	26.8	16.8	6.7		67
		10		36.7	25.4	15.5	5.2		65
		15		33.6	22.8	12.9	2.3		63
		20		31.5	21.0	11.2	0.3		60
		25		28.7	18.5	8.5	-		58

P2 Rated motor power output. | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

■ Recommended operating range.

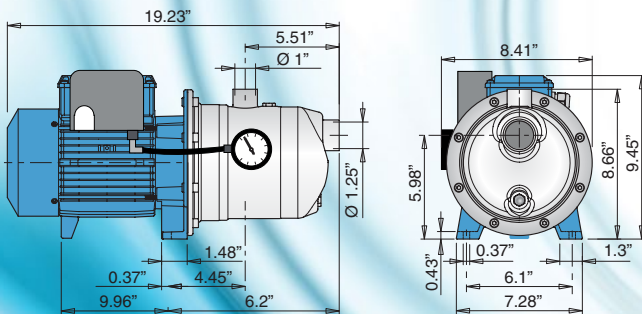
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	IA / In	115V In A	230V In A	115 / 230V In A	IA / In
JSCH 15	1.5	8.3 / 4.8	5.4		10.6		3.8
JSCQ 15	1.5	8.3 / 4.8	5.4		10.6		3.8

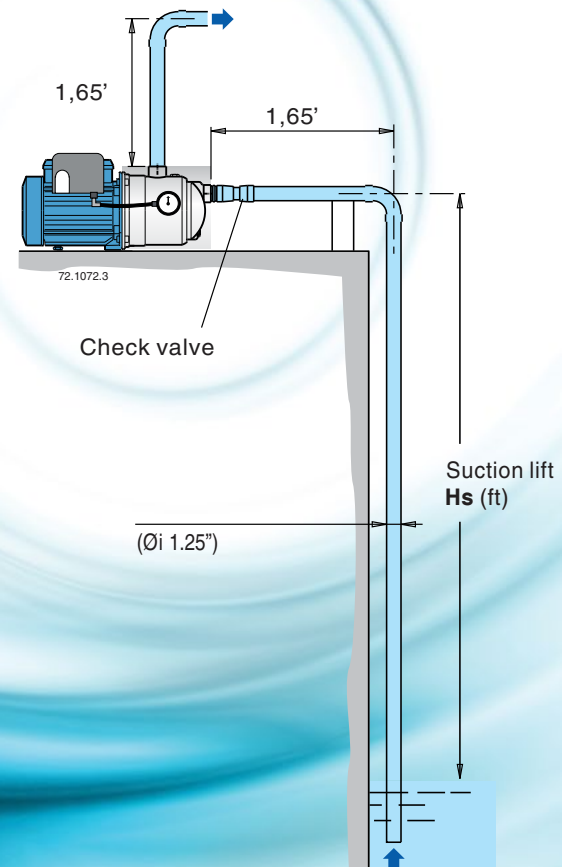
P2 Rated motor power output. | IA / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JSCH 15	39.2	40
JSCQ 15	39.2	40



Installation



Pearl®

JSCH/JSCQ DELUXE

Self priming jet pumps

Features

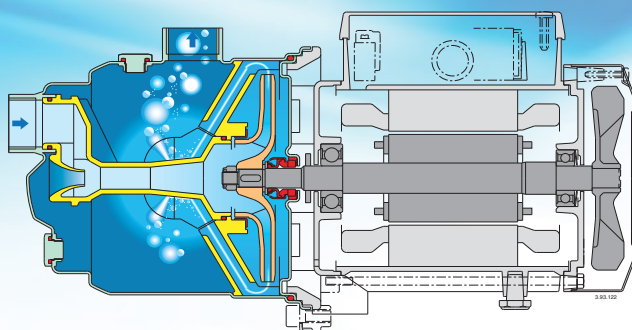
An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

Reliable with new design features, the JSCH DELUXE / JSCQ DELUXE is more robust and forgiving when temporary abnormal operating conditions may exist.

The JSCH DELUXE / JSCQ DELUXE is smaller than conventional pumps of a similar type, allowing for installation in restricted spaces and providing for easier retrofit applications.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.



Applications

- For lifting water out of a well.
- For lifting water containing air or other gases.
- For increasing water pressure from flooded suction applications.
- As pressure boosting pump for water systems with low pressure (follow local specifications if increasing network pressure).
- For garden use.
- For clean liquids or slightly dirty surface water.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 140 psi.
- Continuous duty.



Construction

- Close-coupled self-priming shallow-well jet pump with built-in ejector.
- A high-quality pump for domestic water supply.
- Designed with environmental considerations, featuring a stainless steel casing, brass alloy impeller with minimal use of plastic materials.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz (n ≈ 3450 rpm).
- Three-phase 230/460 V.
- Single-phase 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Assembled with:

- Pressure switch.
- Pressure gauge.

Special Features on request

Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Brass CW510L (lead free public LAW 111-380)
Wear Ring Impeller-Diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Shaft	Chrome Steel 1.4104 EN 10088 (AISI 403) Cr-Ni steel 1.4305 EN 10088 (AISI 316) for JSC(H) 15
Mechanical Seal	Carbon - Ceramic - Viton

Self priming jet pumps

Technical Data | n= 3450 rpm

MODEL	HP	Total Suction Lift Hs ft	Discharge Pressure in PSI						Max. Shut - OFF PSI
			20	30	40	50	60	70	
			Pump Capacity US (GPM)						
JSCH 15 DELUXE	1.5	5			25.2	18.6	12.0	5.9	82
		10			24.4	17.8	11.2	5.1	80
		15			22.7	16.0	9.5	3.7	78
		20			21.5	14.9	8.5	2.8	75
		25			19.8	13.2	6.9	1.4	73
JSCQ 15 DELUXE	1.5	5		38.4	26.8	16.8	6.7		67
		10		36.7	25.4	15.5	5.2		65
		15		33.6	22.8	12.9	2.3		63
		20		31.5	21.0	11.2	0.3		60
		25		28.7	18.5	8.5	-		58

P2 Rated motor power output. | Tolerance according to UNI EN ISO 9906:2012 | H D.O.L. starting current / Rated current.

■ Recommended operating range.

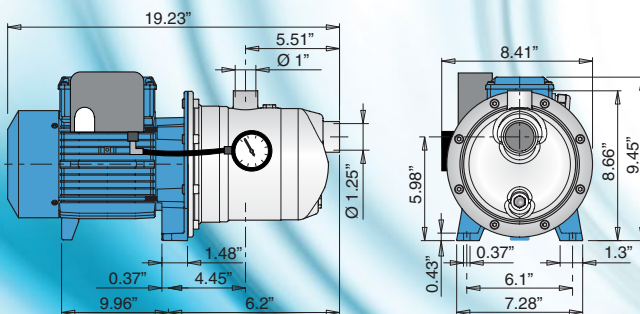
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	IA / In	115V In A	230V In A	115 / 230V In A	IA / In
JSCH 15 DELUXE	1.5	8.3 / 4.8	5.4		10.6		3.8
JSCQ 15 DELUXE	1.5	8.3 / 4.8	5.4		10.6		3.8

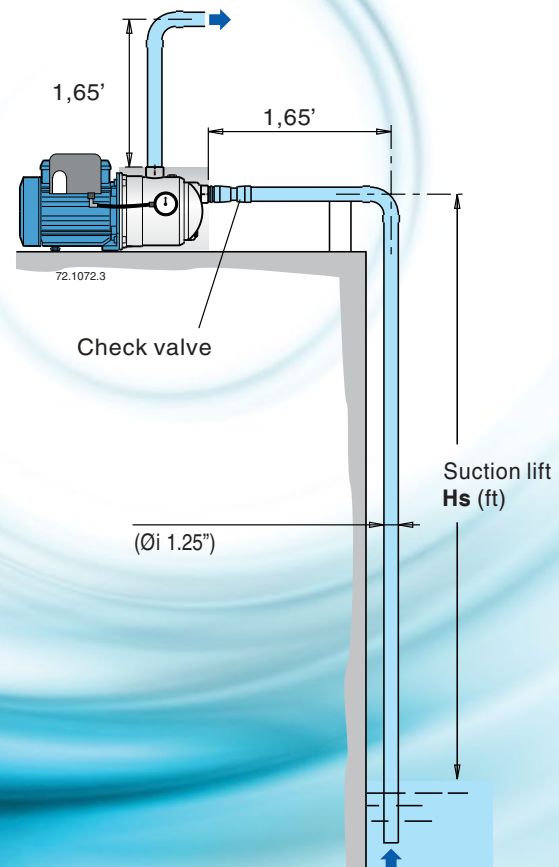
P2 Rated motor power output. | IA / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
JSCH 15 DELUXE	39.2	40
JSCQ 15 DELUXE	39.2	40



Installation





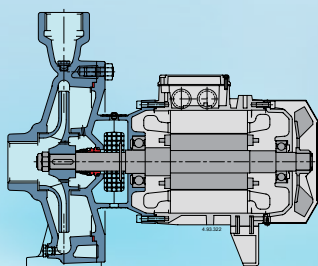
End suction centrifugal pumps with threaded ports

Features

SINGLE IMPELLER

The compact design allows for easy installation even in confined spaces.

The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress.



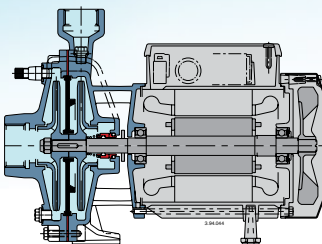
The lantern bracket design prevents contact with the pumps rotating parts, providing protection to the end user whilst allowing for inspection of the mechanical seal.

The bearing and shaft are designed to ensure the reduction of the stress, providing high reliability under all operating conditions.



TWO BACK-TO-BACK IMPELLER

The option to choose between cast iron and bronze materials for the hydraulic parts in contact with the pumped liquid allows two back-to-back impellers series pumps to be selected for use with different types of liquids.



The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress.

The bearing and shaft are designed to ensure the reduction of the stress, providing high reliability under all operating conditions.

Construction

- Close-coupled, centrifugal pumps; electric motor with extended shaft directly connected to the pump.
- Single-impeller
- Two back-to-back impellers (with axial thrust balancing).
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 115/230 V, 115 V, 230 V.
- Insulation class F.
- Protection IP 44.

Special Features on request

- Other voltages.
- Special mechanical seal.
- Higher or lower liquid or ambient temperatures.

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials (solids content up to 0.2%).
- For water supply.
- For heating, air-conditioning, cooling and circulation plants.
- For civil and industrial applications.
- For irrigation.

Operating Conditions

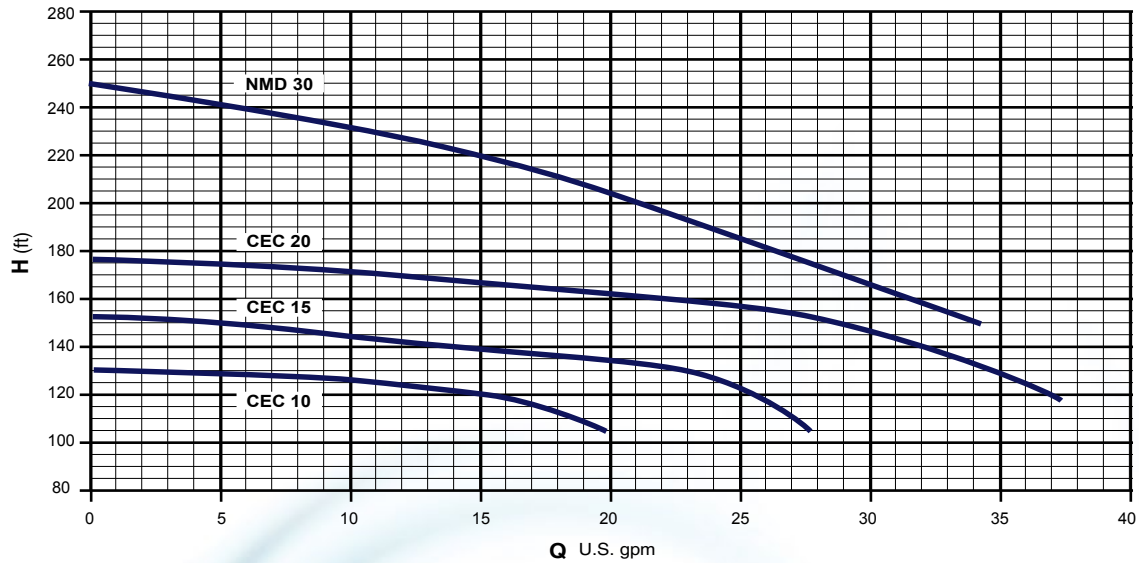
- Liquid temperature from 14 °F to 194 °F.
- Ambient temperature up to 104 °F.
- Total suction lift up to 23 ft.
- Maximum permissible working pressure up to 145 psi (232 psi for pumps NMD 25/190).
- Continuous duty.

Materials

COMPONENT	MATERIAL
Pump Casing	Cast iron
Lantern Bracket	GJL 200 EN 1561
Impeller	Brass CW510L (lead free public LAW 111-380)
Shaft	Cr steel AISI 430
	Cr Ni steel AISI 303 1 - 1.5 - 2.5 - 3 HP
Mechanical Seal	Carbon - Ceramic - NBR

End suction centrifugal pumps with threaded ports

Performance Curves | n= 3450 rpm

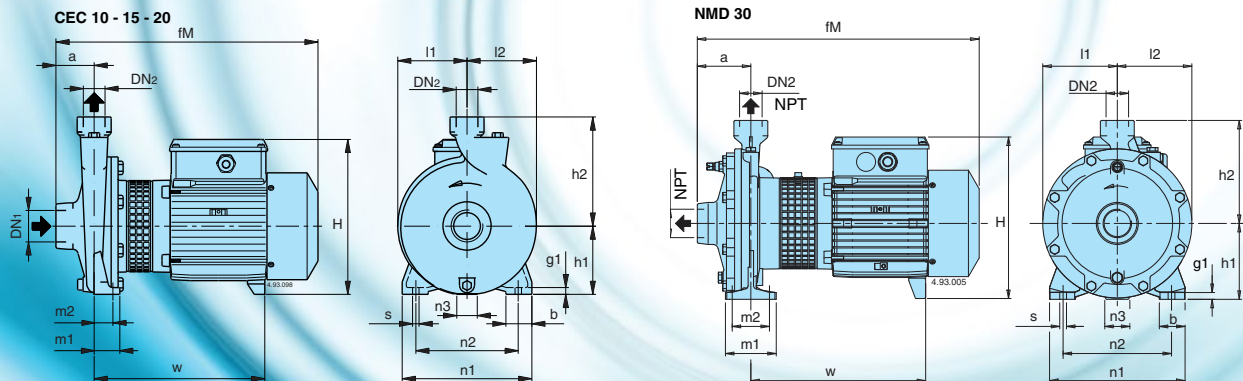


Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	IA / In	115V In A	230V In A	115 / 230V In A	IA / In
CEC 10	1	5.5/3.2	5.5		8.5		2.8
CEC 15	1.5	8.3/4.8	5.4		10.6		3.8
CEC 20	2	9.9/5.7	7.3		13.5		4.5
NMD 30	3	9.9/5.7	7.3				

P2 Rated motor power output. | IA / In D.O.L. starting current / Rated current.

Weights and Dimensions



MODEL	DN1	DN2	DIMENSIONS INCHES																NET WEIGHT LBS	
	NPT		a	fM	h1	h2	H	m1	m2	n1	n2	n3	b	s	l1	l2	w	g1	3 ~	1 ~
CEC 10 / CEC 15	1	1	1.97	14.76	4.41	7.09	9.45	2.17	1.69	9.65	8.07	1.46	1.77	0.45	4.33	4.45	9.61	9.61	50.4 / 55.2	52.8 / 57.2
CEC 20	1	1	1.97	16.34	4.41	7.09	9.45	2.17	1.69	9.65	8.07	1.46	1.77	0.45	4.33	4.45	11.18	11.18		63.1
NMD 30	1.5	1	3.82	19.17	5.51	7.09	10.55	-	-	9.45	7.48	1.27	1.97	0.55	5.24	5.24	12.36	0.51	92.4	



Horizontal multi-stage pumps

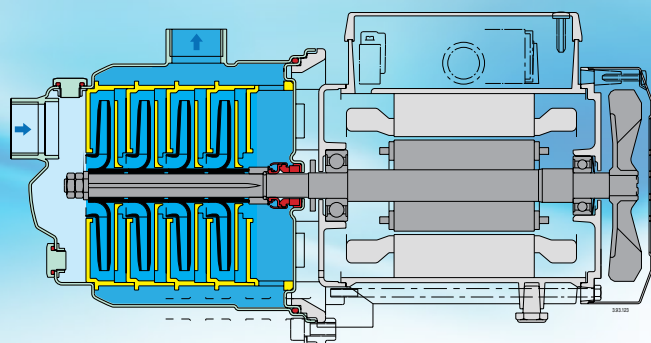
Features

Extra safety against running dry with the suction port above pump axis.

Robust single-piece barrel casing.

Compact single-piece lantern bracket and base.

Low noise with the water-filled shroud around the stages.



Applications

- For water supply.
- For domestic use, for garden use and irrigation.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.

Construction

- Horizontal multi-stage close coupled pump.
- Single-piece barrel casing in chrome-nickel stainless steel, with front suction port above pumps axis and radial delivery at top.
- Stages in Noryl.
- Connections: threaded ports NPT.



Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 115/230 V, 115 V, 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Special Features on request

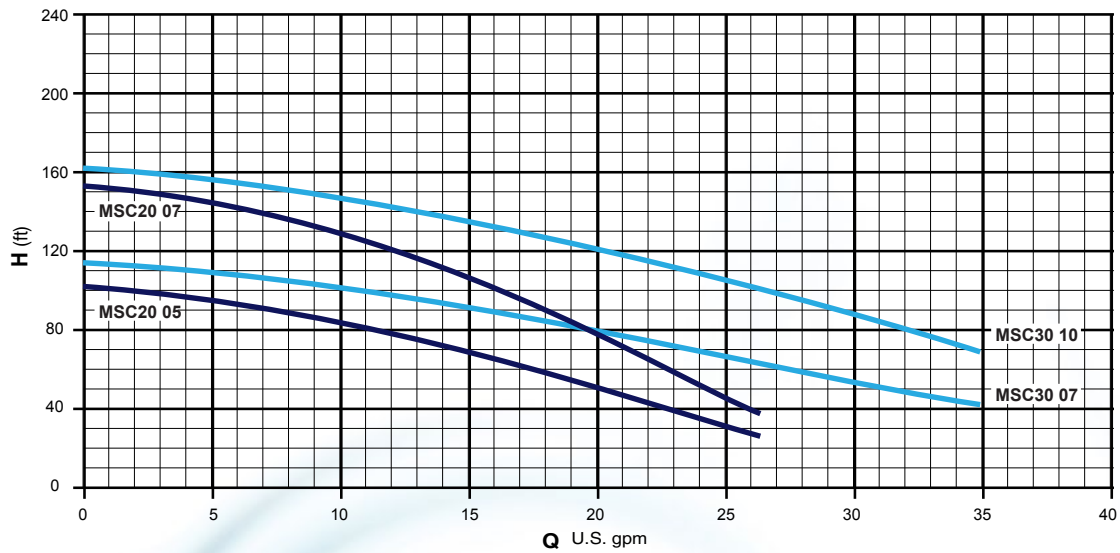
Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Pump Shaft	Chrome Steel 1.4104 EN 10088 (AISI 430)
Plug	Cr-Ni steel 1.4305 EN 10088 (AISI 303)
Stage Casing	PPO-GF20 (Noryl)
Impeller	PPO-GF20 (Noryl)
Mechanical Seal	Carbon - Ceramic - NBR

Horizontal multi-stage pumps

Performance Curves | n= 3450 rpm



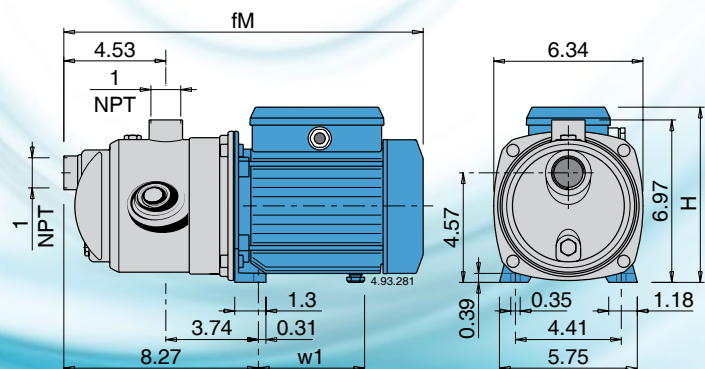
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	I _A / In	115V In A	230V In A	115 / 230V In A	I _A / In
MSC20 05	0.5	2.6/1.6	5.4	8.4	4.2		2.6
MSC20 07	0.75	2.6/1.6	3.7	10.8	5.4	8.6/4.5	3.1
MSC30 07	0.75	2.6/1.6	3.7	10.8	5.4	13.6/7	3.1
MSC30 10	1	5.4/3.1	5.5	13.8	7.2		3.5

P2 Rated motor power output | I_A / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	DIMENSIONS INCHES			NET WEIGHT LBS	
	fM	H	w1	3 ~	1 ~
MSC20 05	14.25	6.93	4.02	15.9	15.9
MSC20 07	15.39	7.56	4.41	19.6	21.6
MSC30 07	15.39	7.56	4.41	19.3	21.3
MSC30 10	15.39	7.56	4.41	24.2	



Pearl[®]

MSC DELUXE

Horizontal multi-stage pumps

This new version of the MSC has been designed for water treatment applications. The components were developed to resist the extreme working conditions of the systems pumping liquid with surfure. The MSC DELUXE has been sized to work in boosting operation because the components resist pressure above standard pumps.

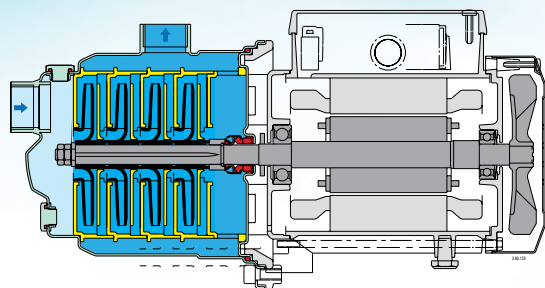
An exclusive diffuser design with flow control device provides for compact construction, fast self-priming capability and low noise.

Reliable with new design features, the MSC DELUXE is more robust and forgiving when temporary abnormal operating conditions may exist.

Fast air evacuation reduces the risk of air-pockets developing at the mechanical seal preventing the danger of seal failure due to a lack of flushing and cooling.

The MSC DELUXE is capable of lifting water from depths of 22 ft in less than 3 minutes, offers new possibilities on suction lift applications, and provides better trouble free service on normal shallow-well suction lift duties, also with a long suction pipe above the water level.

The new diffuser and flow control device guide the fluid from the impeller into the central part of the pump casing, reducing turbulence and velocity, with effective use of the surrounding liquid in dampening the noise of flow.



Features

Extra safety against running dry with the suction port above pump axis.

Robust single-piece barrel casing.

Compact single-piece lantern bracket and base.

Low noise with the water-filled shroud around the stages.

Applications

- Pumping water out from RO water.
- For water supply.
- For domestic use, for garden use and irrigation.
- Pumping in enviroments where water with a percentage of sulfur.



Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.

Construction

- Horizontal multi-stage close coupled pump.
- Single-piece barrel casing in chrome-nickel stainless steel, with front suction port above pumps axis and radial delivery at top.
- Stages in Noryl.
- Connections: threaded ports NPT.

Motor

- 2-pole induction motor, 60 Hz (n ≈ 3450 rpm).
- Three-phase 230/460 V.
- Single-phase 115/230 V, 115 V, 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Special Features on request

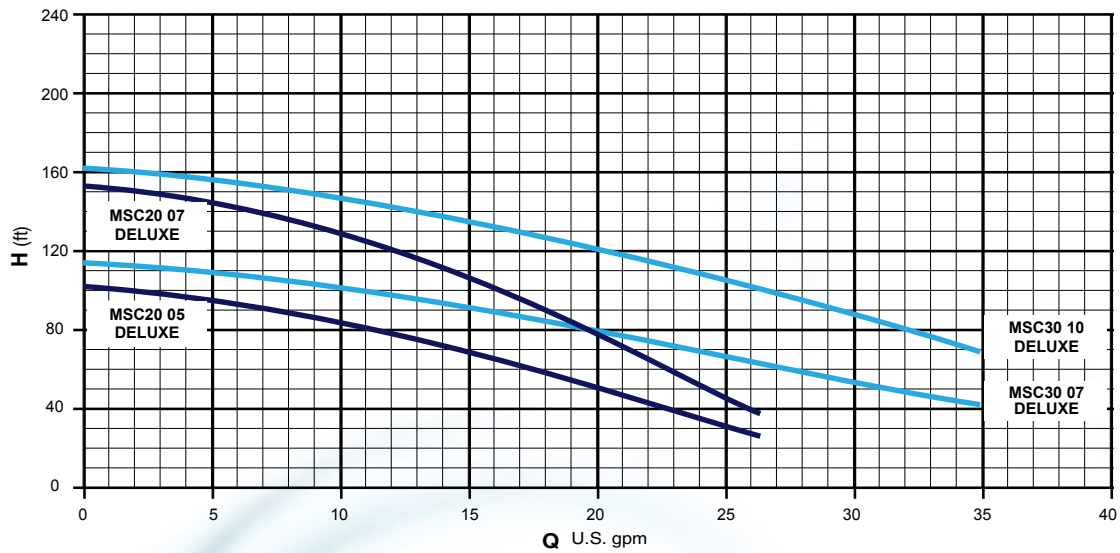
Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Pump Shaft	Stainless Steel (AISI 316)
Plug	Cr-Ni steel 1.4305 EN 10088 (AISI 303)
Stage Casing	PPO-GF20 (Noryl)
Impeller	PPO-GF20 (Noryl)
Mechanical Seal	Carbon - Ceramic -EPDM

Horizontal multi-stage pumps

Performance Curves | n= 3450 rpm



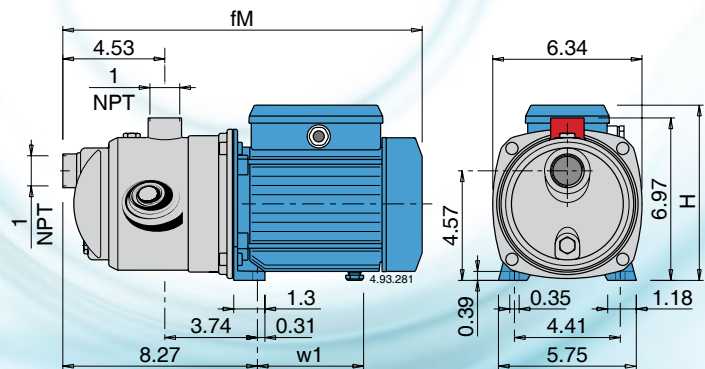
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	I _A / In	115V In A	230V In A	115 / 230V In A	I _A / In
MSC20 05 DELUXE	0.5	2.6/1.6	5.4	8.4	4.2		2.6
MSC20 07 DELUXE	0.75	2.6/1.6	3.7	10.8	5.4	8.6/4.5	3.1
MSC30 07 DELUXE	0.75	2.6/1.6	3.7	10.8	5.4	13.6/7	3.1
MSC30 10 DELUXE	1	5.4/3.1	5.5	13.8	7.2		3.5

P2 Rated motor power output | I_A / In D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	DIMENSIONS INCHES			NET WEIGHT LBS	
	fM	H	w1	3 ~	1 ~
MSC20 05 DELUXE	14.25	6.93	4.02	15.9	15.9
MSC20 07 DELUXE	15.39	7.56	4.41	19.6	21.6
MSC30 07 DELUXE	15.39	7.56	4.41	19.3	21.3
MSC30 10 DELUXE	15.39	7.56	4.41	24.2	



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MXA

Horizontal multi-stage pumps

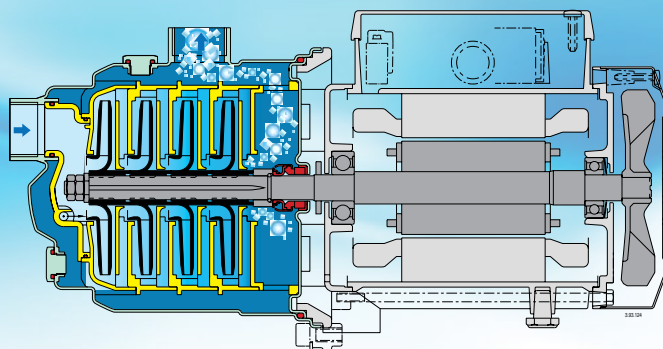
Features

Extra safety against running dry with the suction port above pump axis.

Robust single-piece barrel casing.

Compact single-piece lantern bracket and base.

Low noise with the water-filled shroud around the stages.



Applications

- For water supply.
- For domestic use, for garden use and irrigation.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.

Construction

- Horizontal multi-stage, self-priming, close coupled pump.
- Single-piece barrel casing in chrome-nickel stainless steel, with front suction port above pumps axis and radial delivery at top.
- Stages in Noryl.
- Connections: threaded ports NPT.



Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Special Features on request

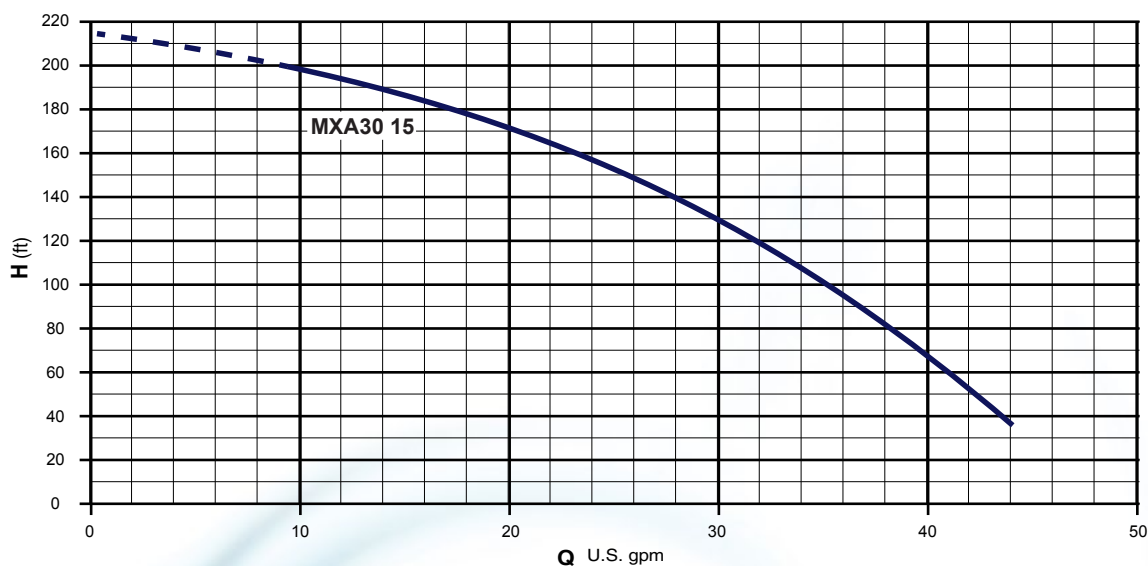
Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Pump Shaft	Chrome Steel 1.4104 EN 10088 (AISI 430)
Plug	Cr-Ni steel 1.4305 EN 10088 (AISI 303)
Stage Casing	PPO-GF20 (Noryl)
Impeller	PPO-GF20 (Noryl)
Suction Casing	PPO-GF20 (Noryl)
Mechanical Seal	Carbon - Ceramic - NBR

Horizontal multi-stage pumps

Performance Curves | n= 3450 rpm



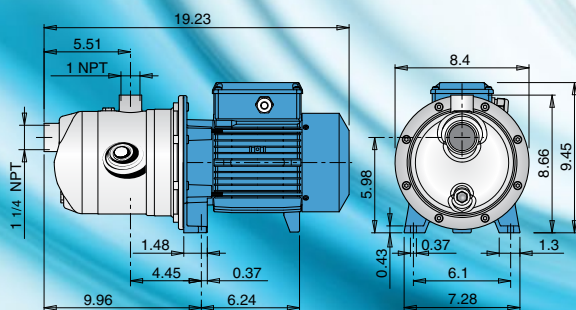
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	I _A / I _N	115V In A	230V In A	115 / 230V In A	I _A / I _N
MXA30 15	1.5	8.3/4.8	5.4	-	10.6	-	3.8

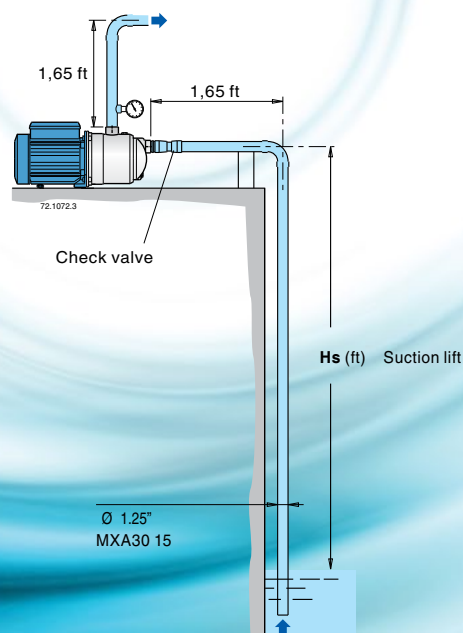
P2 Rated motor power output | I_A / I_N D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
MXA30 15	37.9	39.5



Installation



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MXA DELUXE

Horizontal multi-stage pumps

This new version of the MXA has been designed for water treatment applications. The components were developed to resist the extreme working conditions of systems pumping RO water (Reverse Osmosis Systems).

Reliable with new design features, the MXA DELUXE is more robust and forgiving when temporary abnormal operating conditions may exist.

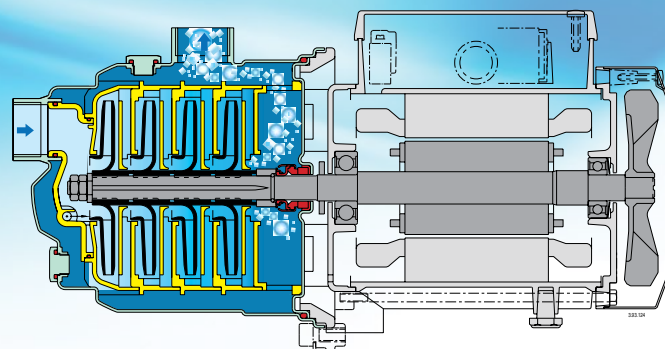
Features

Extra safety against running dry with the suction port above pump axis.

Robust single-piece barrel casing.

Compact single-piece lantern bracket and base.

Low noise with the water-filled shroud around the stages.



Applications

- Pumping water out from RO water.
- For water supply.
- For domestic use, for garden use and irrigation.
- Pumping in environments where water with a percentage of sulfur.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.

Construction

- Horizontal multi-stage, self-priming, close coupled pump.
- Single-piece barrel casing in chrome-nickel stainless steel, with front suction port above pumps axis and radial delivery at top.
- Stages in Noryl.
- Connections: threaded ports NPT.



Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Special Features on request

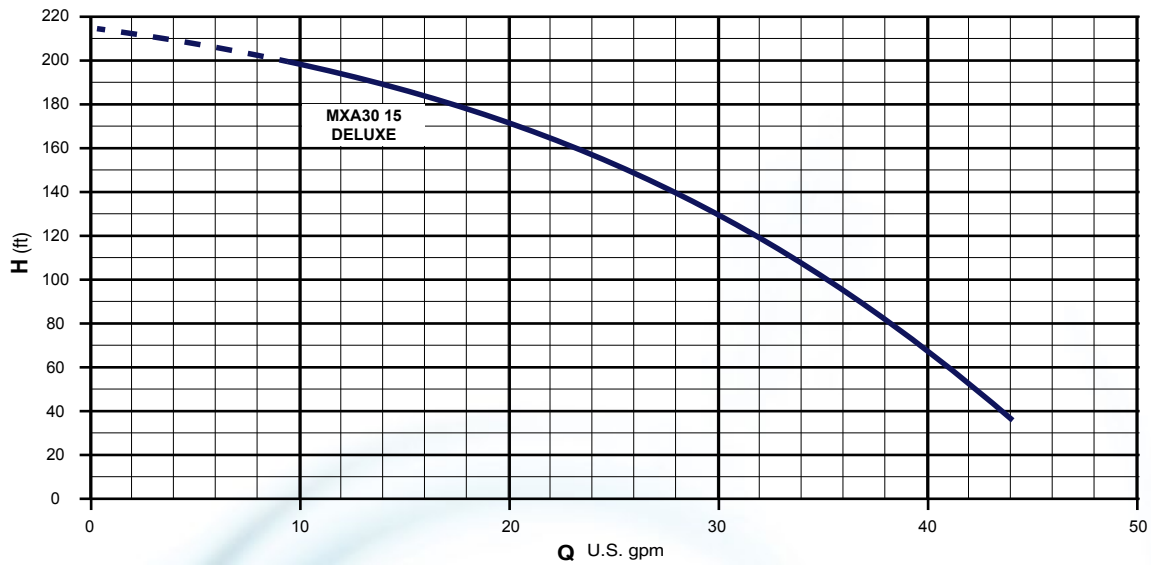
Other voltages

Materials

COMPONENT	MATERIAL
Pump Casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Pump Shaft	Stainless Steel (AISI 316)
Plug	Cr-Ni steel 1.4305 EN 10088 (AISI 303)
Stage Casing	PPO-GF20 (Noryl)
Impeller	PPO-GF20 (Noryl)
Suction Casing	PPO-GF20 (Noryl)
Mechanical Seal	Carbon - Ceramic - Viton

Horizontal multi-stage pumps

Performance Curves | n= 3450 rpm



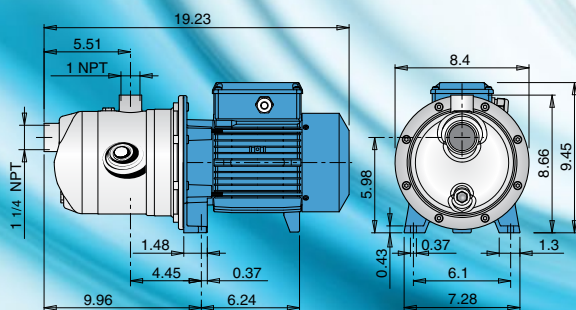
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	I _A / I _N	115V In A	230V In A	115 / 230V In A	I _A / I _N
MXA30 15 DELUXE	1.5	8.3/4.8	5.4	-	10.6	-	3.8

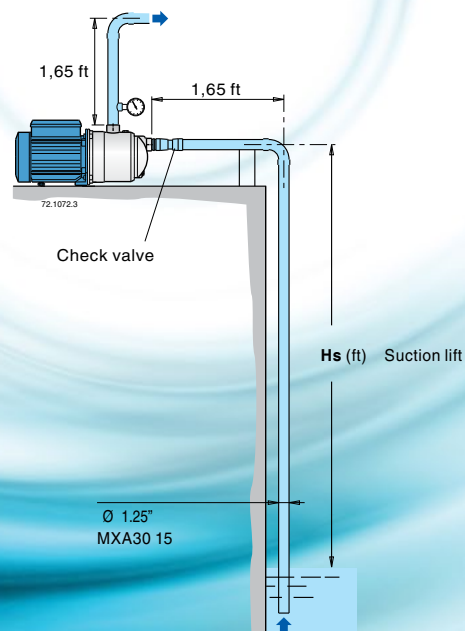
P2 Rated motor power output | I_A / I_N D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
MXA30 15 DELUXE	37.9	39.5



Installation





Self priming jet pumps
End suction centrifugal pumps
Horizontal multistage pumps catalog



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