



Edwards Engineering

60 Years of Excellence

Company name: Chiller Solutions LLC

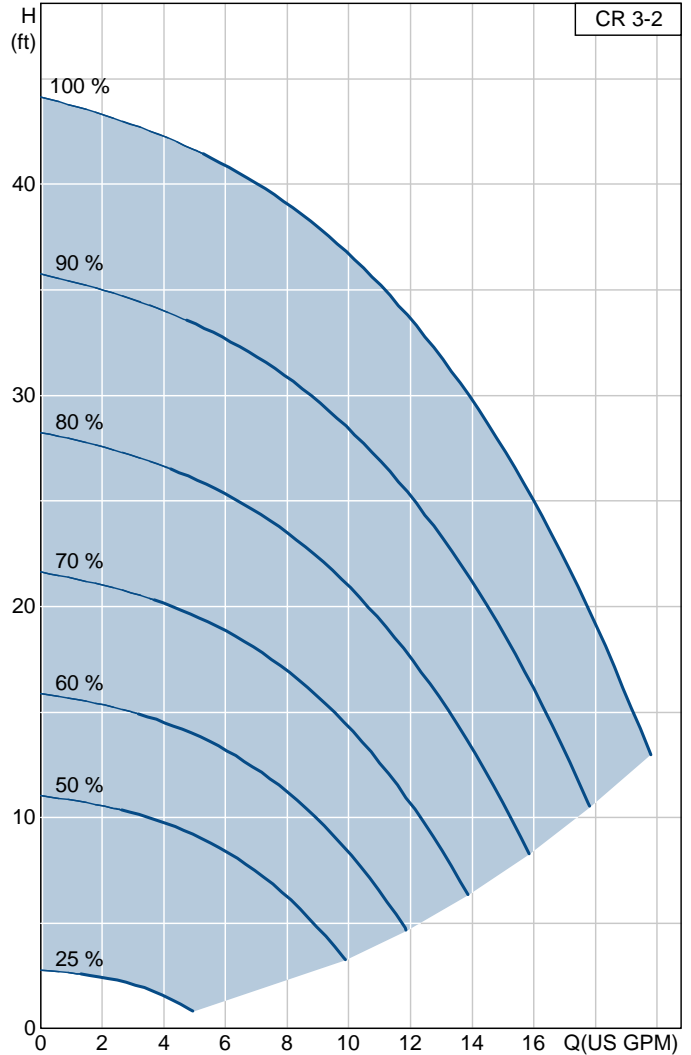
Created by: Engineering Dept.

Phone: 973-835-2800

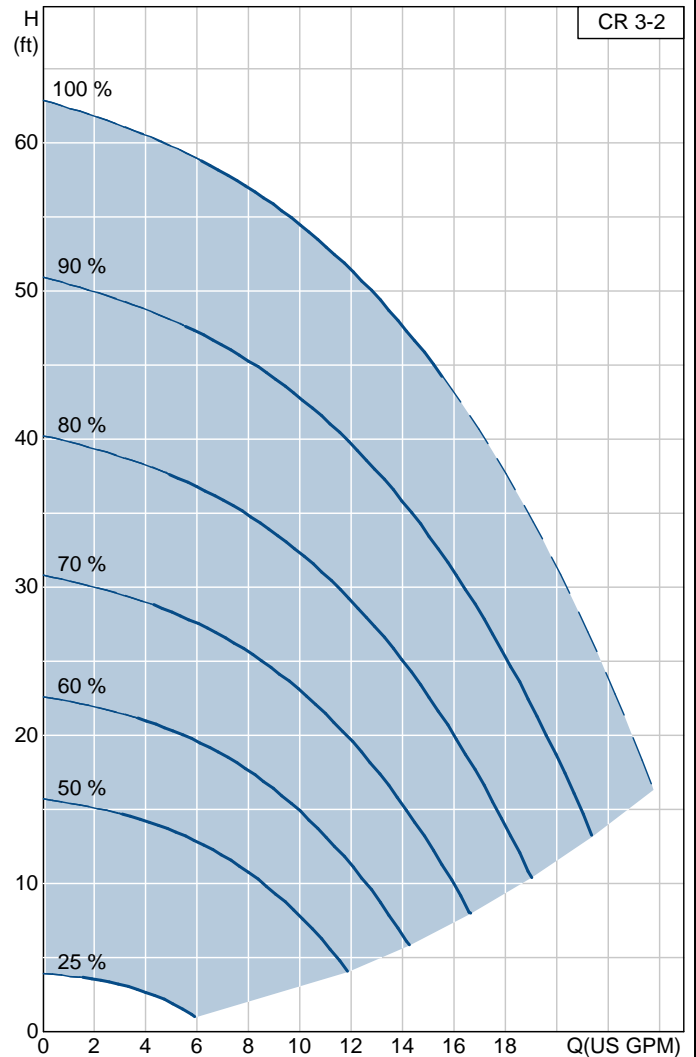
Fax: 973-835-3222

Date: 2/25/2008

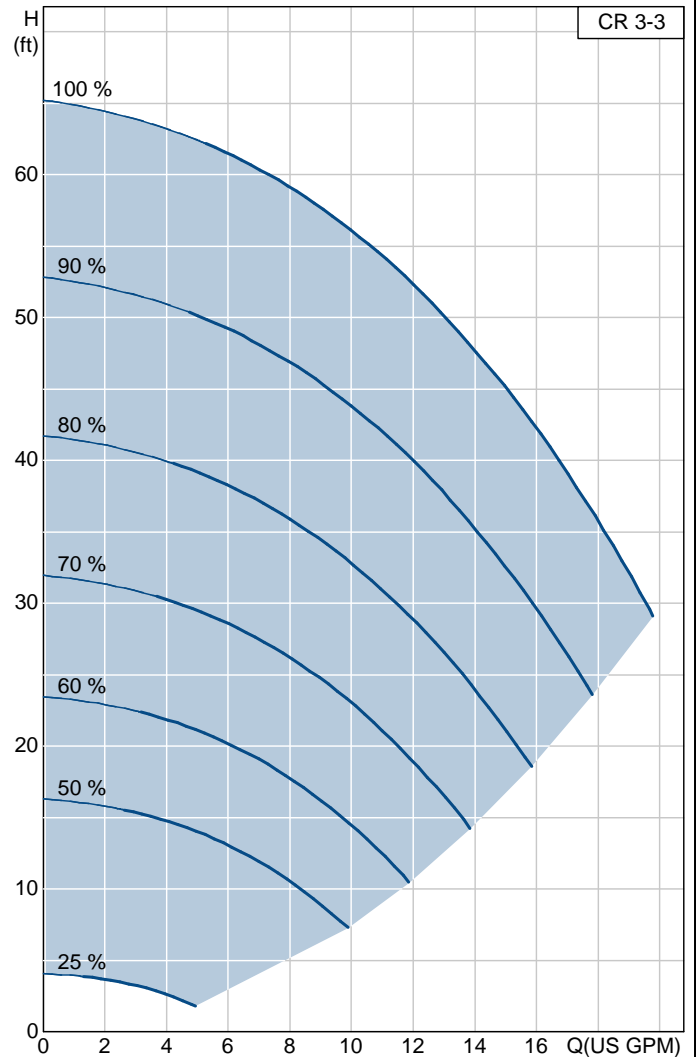
Description	Value
Product name:	CR 3-2 A-A-A-E HQQE
Product Number:	96516590
EAN number:	5700396745930
Technical:	
Speed for pump data:	2873 rpm
Rated flow:	13.21 US GPM
Rated head:	31.5 ft
Head max:	42.7 ft
Impellers:	2
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	3
Pump version:	A
Model:	A
Materials:	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT85
Liquid:	
Liquid temperature range:	-4 .. 248 °F
Electrical data:	
Motor type:	71A
Efficiency class:	0
Number of poles:	2
P2:	0.5 HP
Power (P2) required by pump:	0.5 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	1.74 / 1 A
Starting current:	490-530 %
Cos phi - power factor:	0,80-0,70
Rated speed:	2850-2880 rpm
Full load motor efficiency:	78,5 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805102
Others:	
Net weight:	39.9 lb
Gross weight:	44.3 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-2 A-B-A-E HQQE
Product Number:	96083056
EAN number:	5700395182248
<b>Technical:</b>	
Speed for pump data:	3425 rpm
Rated flow:	15.85 US GPM
Rated head:	43 ft
Impellers:	2
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	3
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	71AA
Number of poles:	2
P2:	0.33 HP
Power (P2) required by pump:	0.33 HP 0.33 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,35
Rated current:	1.12-1.10 / 0.55 A
Starting current:	630-700 %
Cos phi - power factor:	0.81-0.75
Rated speed:	3450-3480 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900700
<b>Others:</b>	
Net weight:	47.6 lb
Gross weight:	53.1 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-3 A-A-A-E HQQE
Product Number:	96516591
EAN number:	5700396745954
<b>Technical:</b>	
Speed for pump data:	2873 rpm
Rated flow:	13.21 US GPM
Rated head:	49.9 ft
Head max:	65.6 ft
Impellers:	3
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	3
Pump version:	A
Model:	A
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT85
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	71A
Efficiency class:	0
Number of poles:	2
P2:	0.5 HP
Power (P2) required by pump:	0.5 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	1.74 / 1 A
Starting current:	490-530 %
Cos phi - power factor:	0,80-0,70
Rated speed:	2850-2880 rpm
Full load motor efficiency:	78,5 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805102
<b>Others:</b>	
Net weight:	40.4 lb
Gross weight:	44.8 lb
Shipping volume:	1.77 ft³





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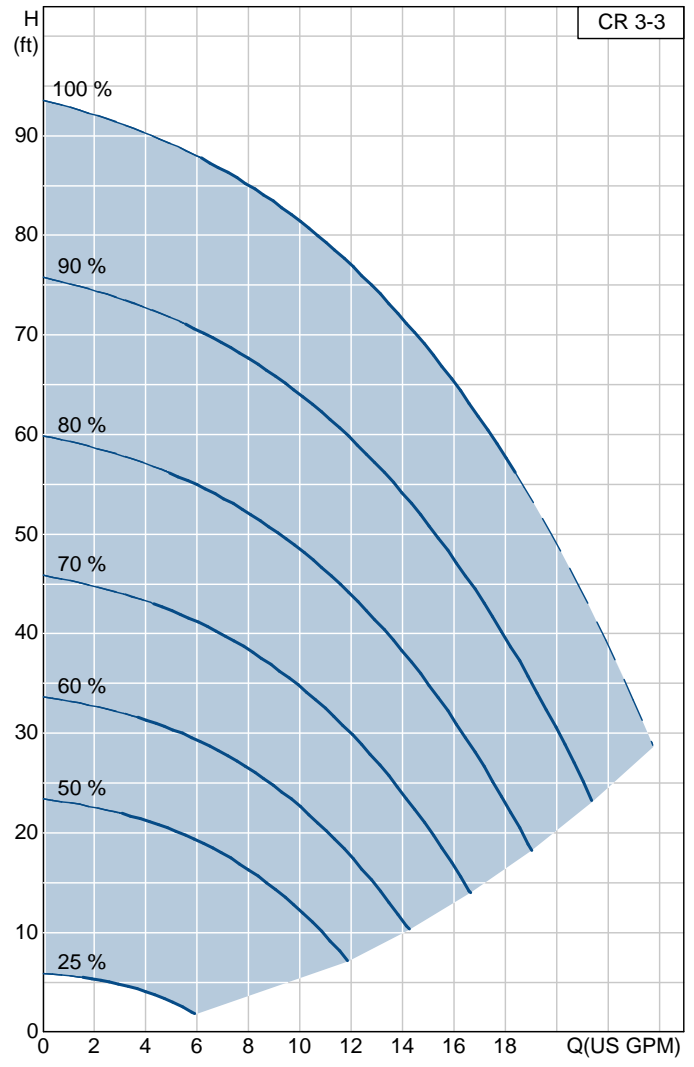
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Phone: 973-835-2800

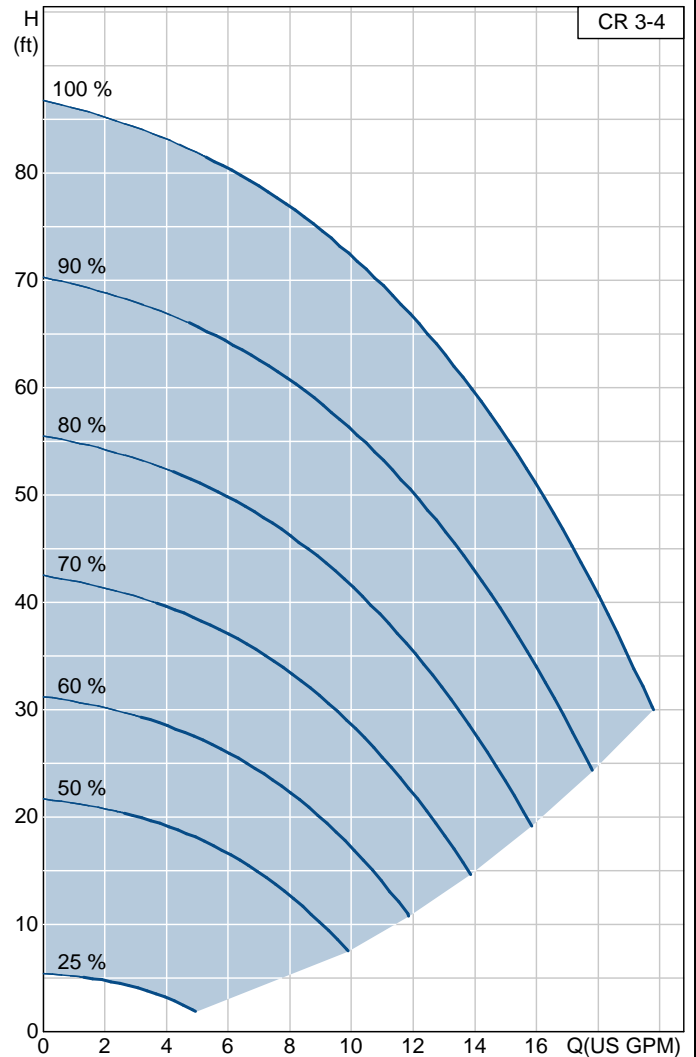
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Date: 2/12/2008

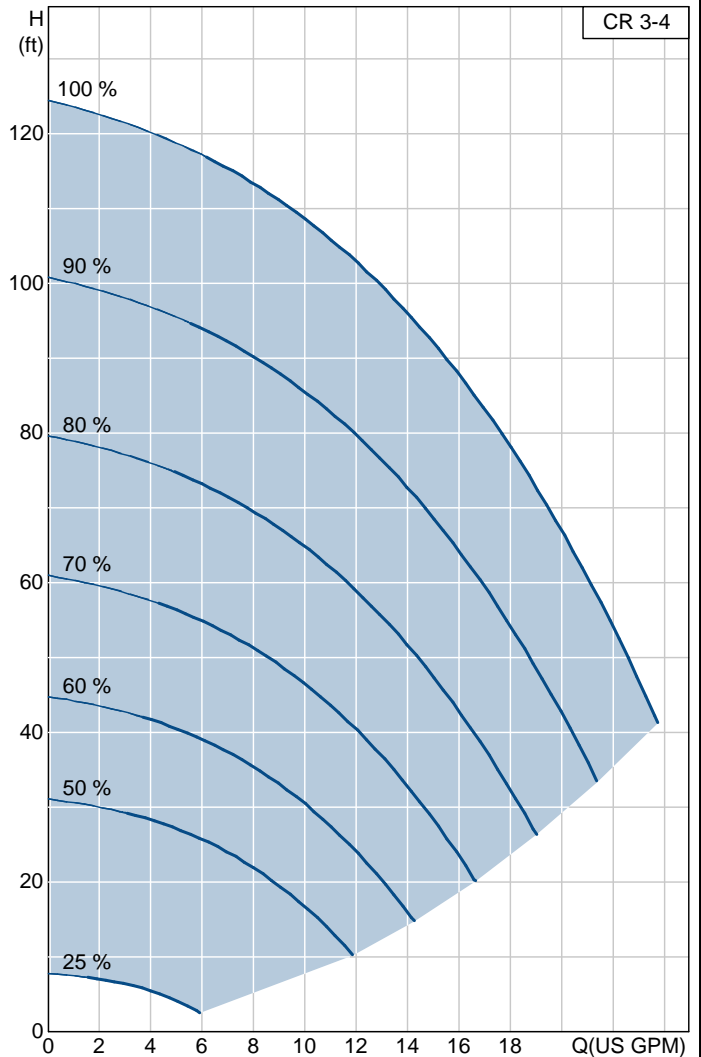
Description	Value
Product name:	CR 3-3 A-B-A-E HQQE
Product Number:	96083058
EAN number:	5700395182262
Technical:	
Speed for pump data:	3485 rpm
Rated flow:	15.85 US GPM
Rated head:	65 ft
Impellers:	3
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	3
Pump version:	A
Model:	A
Cooling:	TEFC
Materials:	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
Liquid:	
Liquid temperature range:	-4 .. 248 °F
Electrical data:	
Motor type:	71AB
Number of poles:	2
P2:	0.5 HP
Power (P2) required by pump:	0.5 HP 0.5 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,25
Rated current:	1.64-1.55 / 0.78 A
Starting current:	590-650 %
Cos phi - power factor:	0.84-0.78
Rated speed:	3430-3460 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900701
Others:	
Net weight:	46.7 lb
Gross weight:	52.3 lb
Shipping volume:	1.77 ft³



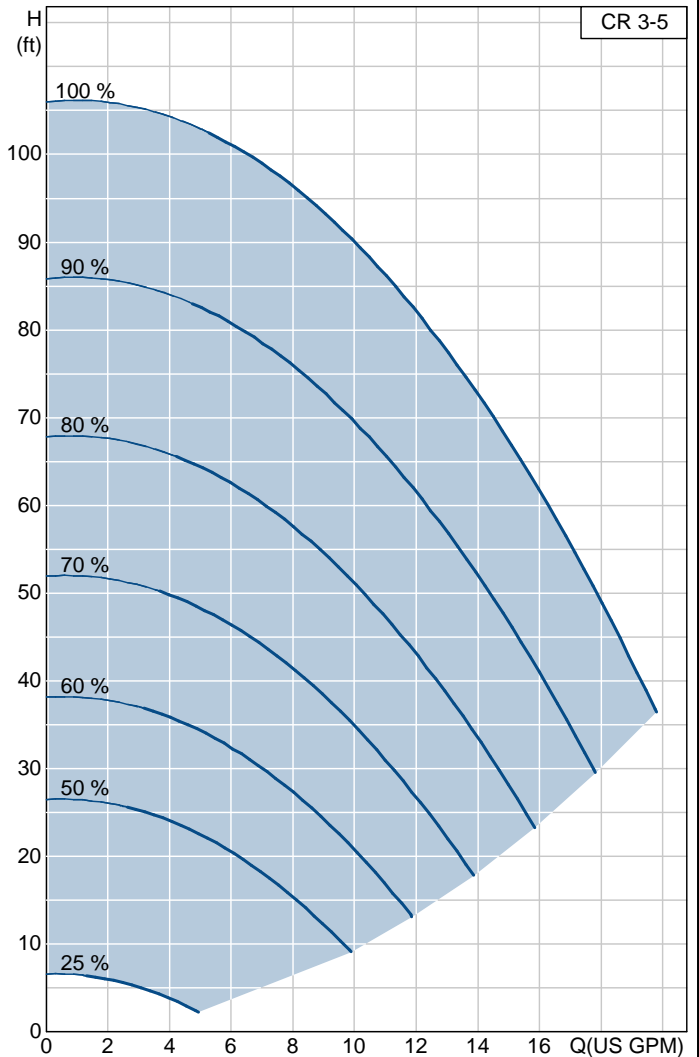
Description	Value
Product name:	CR 3-4 A-A-A-E HQQE
Product Number:	96516592
EAN number:	5700396745978
<b>Technical:</b>	
Speed for pump data:	2873 rpm
Rated flow:	13.21 US GPM
Rated head:	62.7 ft
Head max:	85.3 ft
Impellers:	4
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	4
Pump version:	A
Model:	A
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT85
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	71A
Efficiency class:	0
Number of poles:	2
P2:	0.5 HP
Power (P2) required by pump:	0.5 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	1.74 / 1 A
Starting current:	490-530 %
Cos phi - power factor:	0,80-0,70
Rated speed:	2850-2880 rpm
Full load motor efficiency:	78,5 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805102
<b>Others:</b>	
Net weight:	41.2 lb
Gross weight:	45.6 lb
Shipping volume:	1.77 ft³



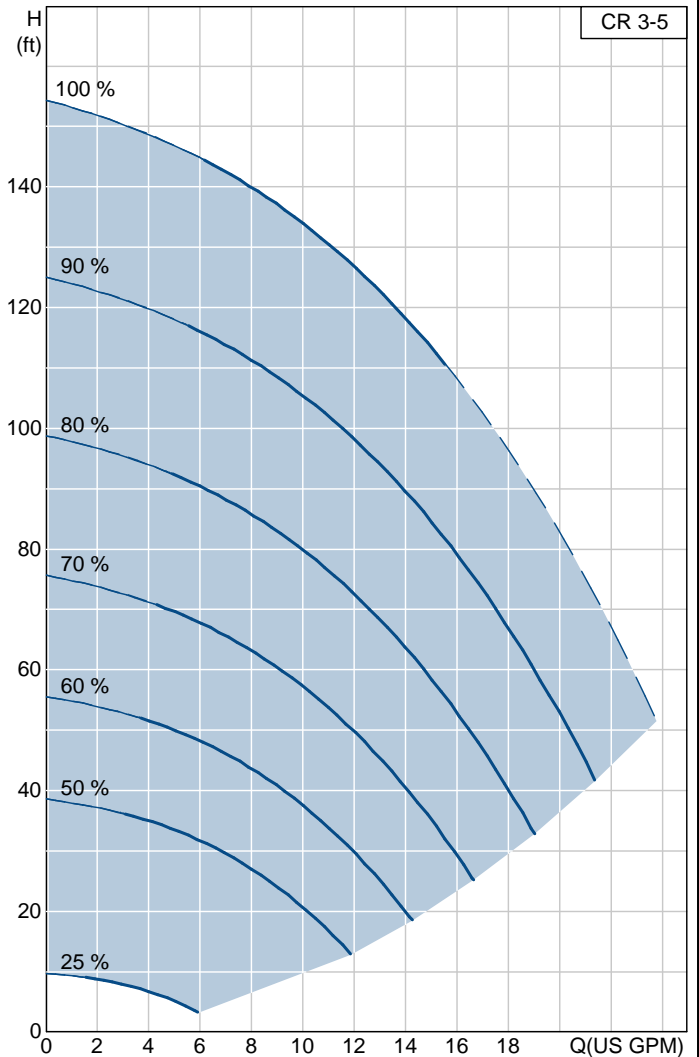
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Product name:	CR 3-4 A-B-A-E HQQE
Product Number:	96083060
EAN number:	5700395182286
<b>Technical:</b>	
Speed for pump data:	3439 rpm
Rated flow:	15.85 US GPM
Rated head:	87.9 ft
Impellers:	4
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	4
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	71BA
Number of poles:	2
P2:	0.75 HP
Power (P2) required by pump:	0.75 HP 0.75 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,25
Rated current:	2.40-2.30 / 1.2 A
Starting current:	590-650 %
Cos phi - power factor:	0.84-0.78
Rated speed:	3430-3460 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900702
<b>Others:</b>	
Net weight:	49.2 lb
Gross weight:	54.7 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-5 A-A-A-E HQQE
Product Number:	96509508
EAN number:	5700396488271
<b>Technical:</b>	
Speed for pump data:	2873 rpm
Rated flow:	13.21 US GPM
Rated head:	76.8 ft
Head max:	105 ft
Impellers:	5
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	5
Pump version:	A
Model:	A
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT85
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	71A
Efficiency class:	0
Number of poles:	2
P2:	0.5 HP
Power (P2) required by pump:	0.5 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	1.74 / 1 A
Starting current:	490-530 %
Cos phi - power factor:	0,80-0,70
Rated speed:	2850-2880 rpm
Full load motor efficiency:	78,5 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805102
<b>Others:</b>	
Net weight:	42.3 lb
Gross weight:	46.7 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-5 A-B-A-E HQQE
Product Number:	96083062
EAN number:	5700395182309
<b>Technical:</b>	
Speed for pump data:	3439 rpm
Rated flow:	15.85 US GPM
Rated head:	112 ft
Impellers:	5
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	5
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	71BA
Number of poles:	2
P2:	0.75 HP
Power (P2) required by pump:	0.75 HP 0.75 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,25
Rated current:	2.40-2.30 / 1.2 A
Starting current:	590-650 %
Cos phi - power factor:	0.84-0.78
Rated speed:	3430-3460 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900702
<b>Others:</b>	
Net weight:	49.6 lb
Gross weight:	55.1 lb
Shipping volume:	1.77 ft³







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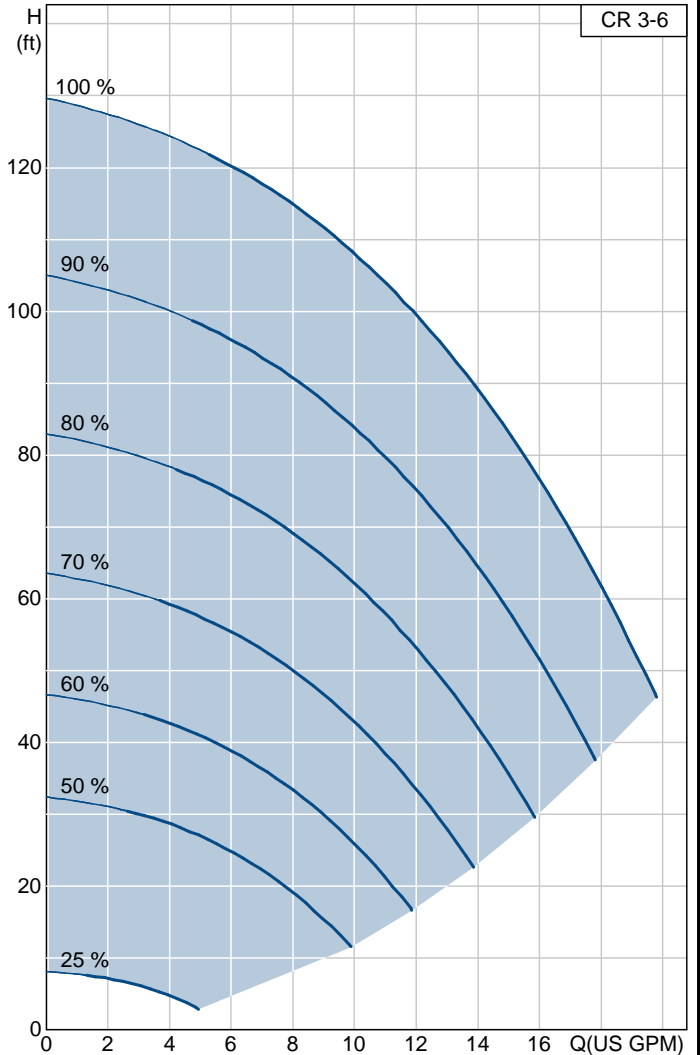
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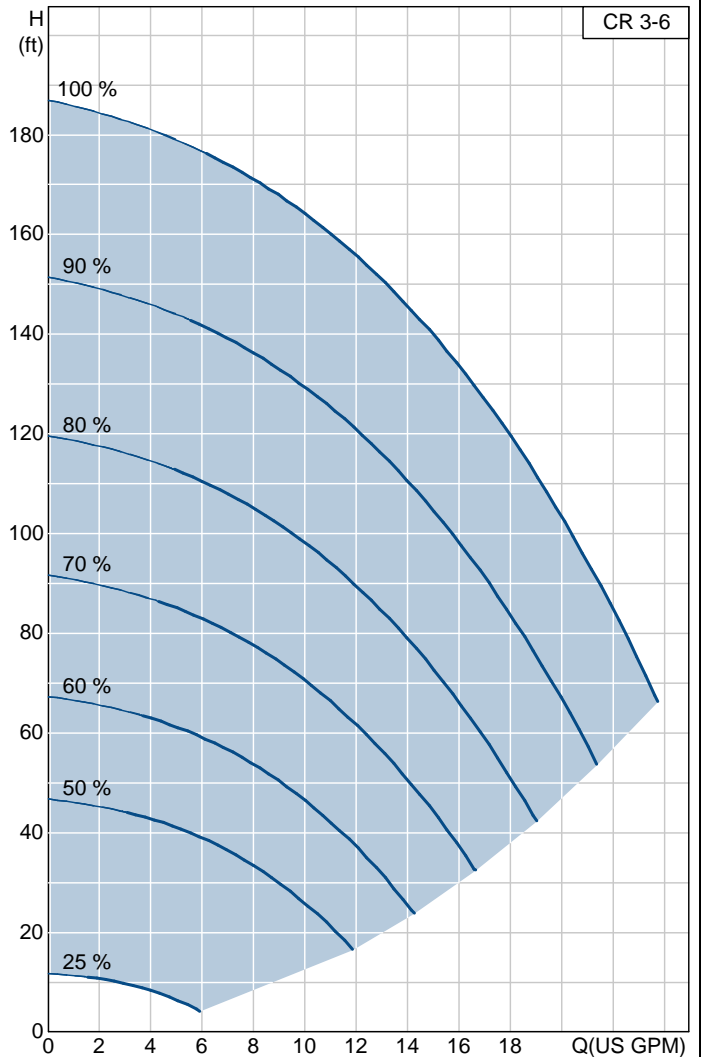
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Date: 2/25/2008

Description	Value
Product name:	CR 3-6 A-A-A-E HQQE
Product Number:	96516593
EAN number:	5700396745992
Technical:	
Speed for pump data:	2856 rpm
Rated flow:	13.21 US GPM
Rated head:	93.5 ft
Head max:	131 ft
Impellers:	6
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	6
Pump version:	A
Model:	A
Materials:	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT85
Liquid:	
Liquid temperature range:	-4 .. 248 °F
Electrical data:	
Motor type:	71B
Efficiency class:	0
Number of poles:	2
P2:	0.75 HP
Power (P2) required by pump:	0.75 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	2.5 / 1.44 A
Starting current:	480-520 %
Cos phi - power factor:	0,80-0,70
Rated speed:	2830-2850 rpm
Full load motor efficiency:	80,0 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805103
Others:	
Net weight:	44.5 lb
Gross weight:	48.9 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-6 A-B-A-E HQQE
Product Number:	96083064
EAN number:	5700395182323
<b>Technical:</b>	
Speed for pump data:	3484 rpm
Rated flow:	15.85 US GPM
Rated head:	134 ft
Impellers:	6
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	6
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	71BB
Number of poles:	2
P2:	1 HP
Power (P2) required by pump:	1 HP 1 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,25
Rated current:	3.25-3.35 / 1.68 A
Starting current:	590-650 %
Cos phi - power factor:	0.81-0.72
Rated speed:	3430-3460 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900703
<b>Others:</b>	
Net weight:	52 lb
Gross weight:	57.6 lb
Shipping volume:	1.77 ft³





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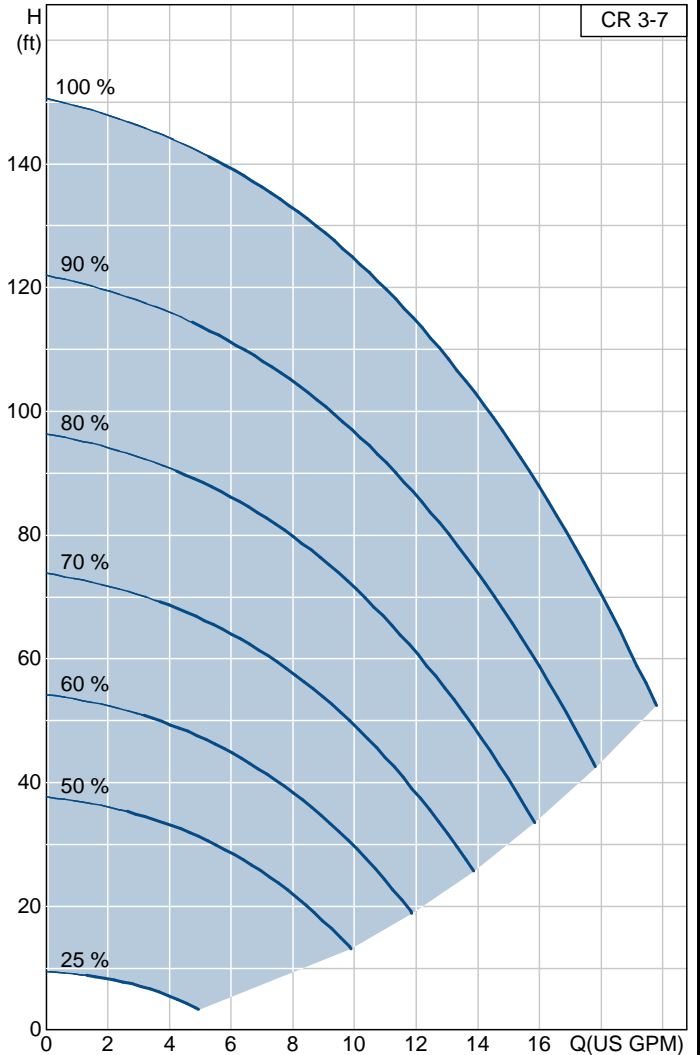
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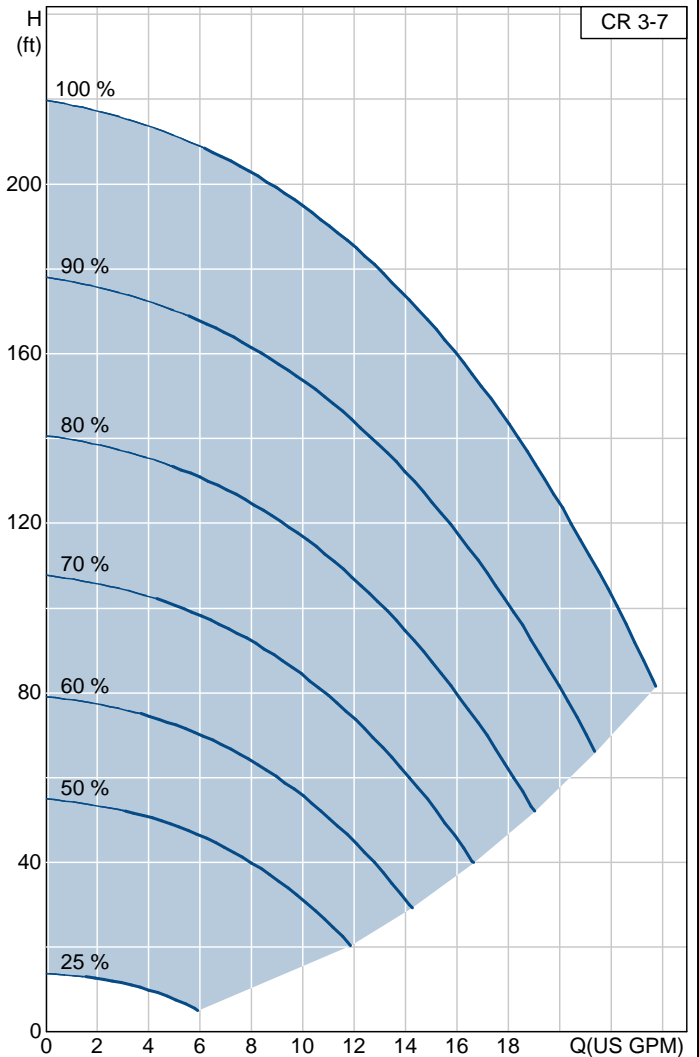
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Date: 2/25/2008

Description	Value
Product name:	CR 3-7 A-A-A-E HQQE
Product Number:	96516594
EAN number:	5700396746012
Technical:	
Speed for pump data:	2856 rpm
Rated flow:	13.21 US GPM
Rated head:	108 ft
Head max:	151 ft
Impellers:	7
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	7
Pump version:	A
Model:	A
Materials:	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT85
Liquid:	
Liquid temperature range:	-4 .. 248 °F
Electrical data:	
Motor type:	71B
Efficiency class:	0
Number of poles:	2
P2:	0.75 HP
Power (P2) required by pump:	0.75 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	2.5 / 1.44 A
Starting current:	480-520 %
Cos phi - power factor:	0,80-0,70
Rated speed:	2830-2850 rpm
Full load motor efficiency:	80,0 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805103
Others:	
Net weight:	45.4 lb
Gross weight:	49.8 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-7 A-B-A-E HQQE
Product Number:	96083066
EAN number:	5700395182347
<b>Technical:</b>	
Speed for pump data:	3466 rpm
Rated flow:	15.85 US GPM
Rated head:	156 ft
Impellers:	7
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	7
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	80BA
Number of poles:	2
P2:	1.5 HP
Power (P2) required by pump:	1.5 HP 1.5 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,15
Rated current:	4,70-4,60 / 2.3 A
Starting current:	720-800 %
Cos phi - power factor:	0.84-0.75
Rated speed:	3450-3480 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900704
<b>Others:</b>	
Net weight:	59.5 lb
Gross weight:	65 lb
Shipping volume:	1.77 ft³





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60 Years of Excellence

Company name: Chiller Solutions LLC

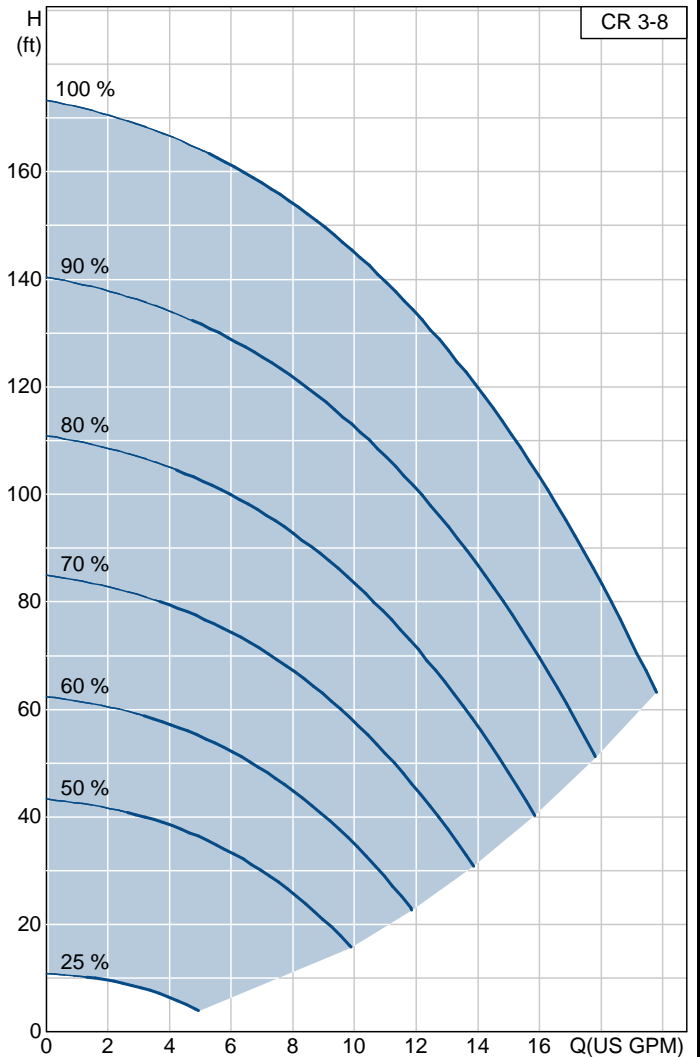
Created by: Engineering Dept.

Phone: 973-835-2800

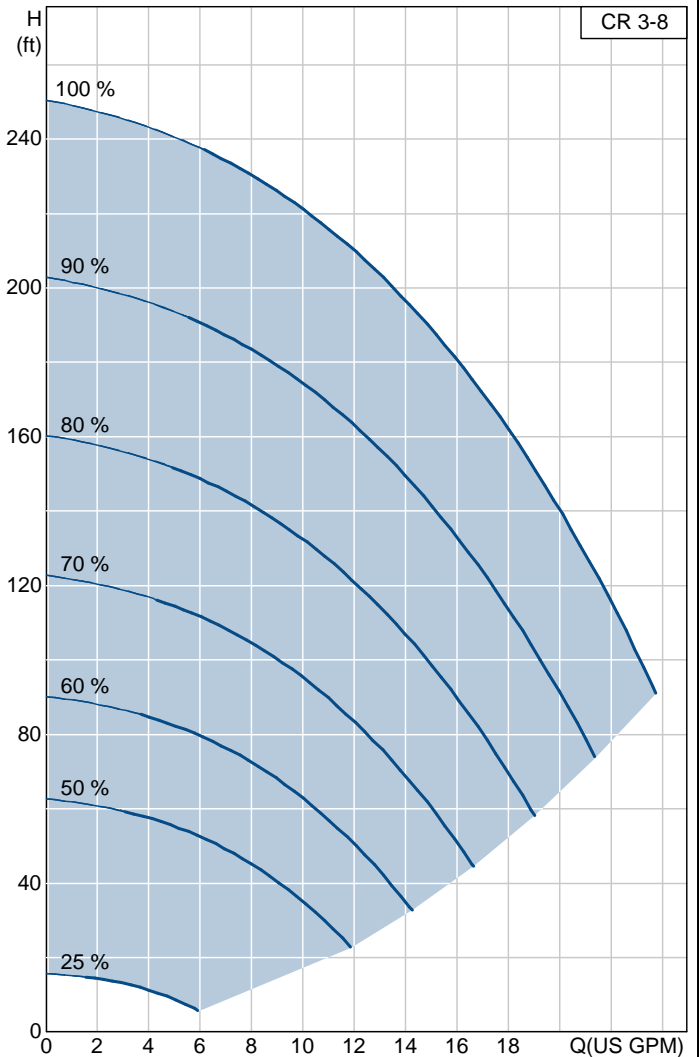
Fax: 973-835-3222

Date: 2/25/2008

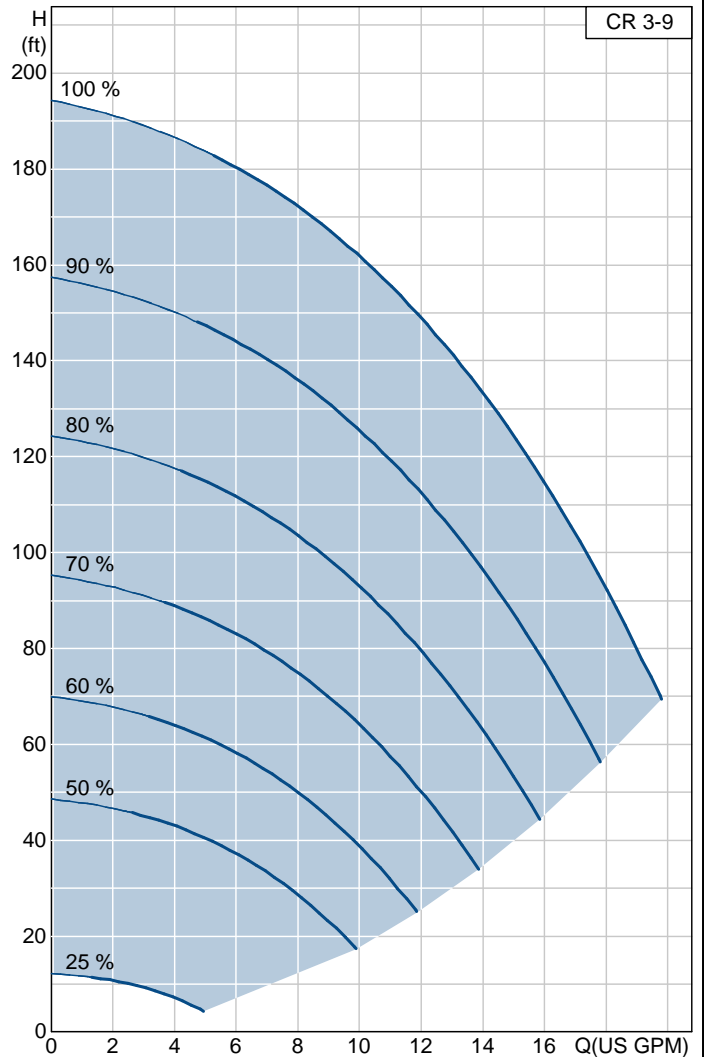
Description	Value
Product name:	CR 3-8 A-A-A-E HQQE
Product Number:	96516595
EAN number:	5700396746036
Technical:	
Speed for pump data:	2864 rpm
Rated flow:	13.21 US GPM
Rated head:	126 ft
Head max:	174 ft
Impellers:	8
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	8
Pump version:	A
Model:	A
Materials:	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT100
Liquid:	
Liquid temperature range:	-4 .. 248 °F
Electrical data:	
Motor type:	80A
Efficiency class:	0
Number of poles:	2
P2:	1 HP
Power (P2) required by pump:	1 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	3.3 / 1.9 A
Starting current:	580-620 %
Cos phi - power factor:	0,81-0,71
Rated speed:	2840-2870 rpm
Full load motor efficiency:	81,0 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805104
Others:	
Net weight:	50.2 lb
Gross weight:	54.6 lb
Shipping volume:	1.77 ft³



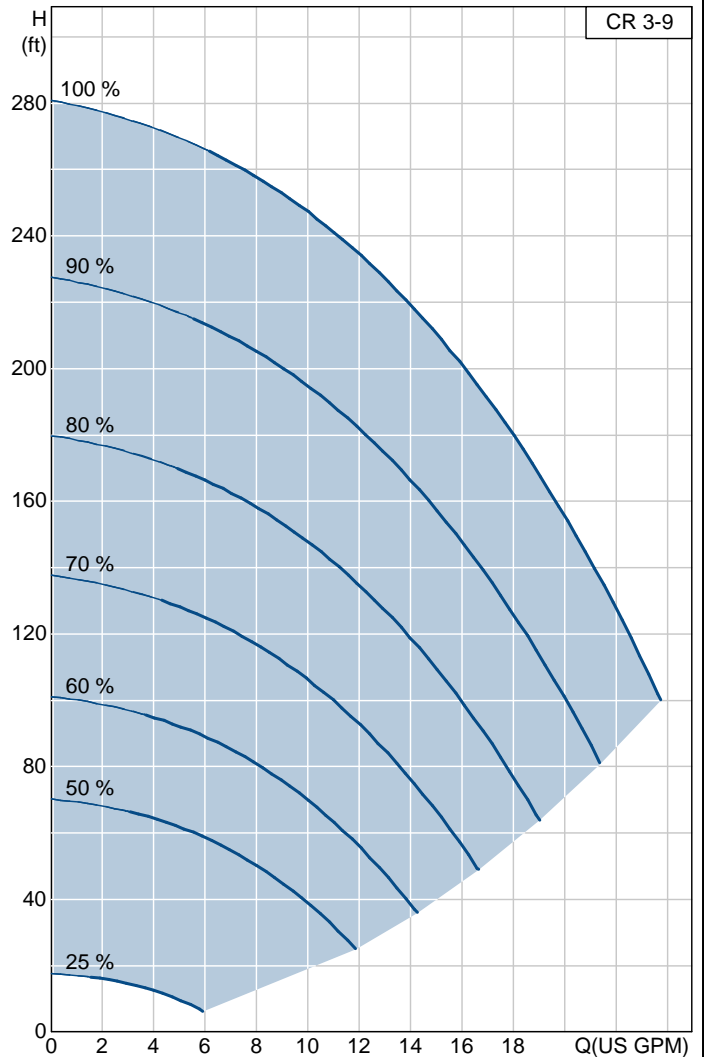
Description	Value
Product name:	CR 3-8 A-B-A-E HQQE
Product Number:	96083068
EAN number:	5700395182361
<b>Technical:</b>	
Speed for pump data:	3466 rpm
Rated flow:	15.85 US GPM
Rated head:	177 ft
Impellers:	8
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	8
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	80BA
Number of poles:	2
P2:	1.5 HP
Power (P2) required by pump:	1.5 HP 1.5 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,15
Rated current:	4,70-4,60 / 2.3 A
Starting current:	720-800 %
Cos phi - power factor:	0.84-0.75
Rated speed:	3450-3480 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900704
<b>Others:</b>	
Net weight:	61.3 lb
Gross weight:	66.8 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-9 A-A-A-E HQQE
Product Number:	96516596
EAN number:	5700396746050
<b>Technical:</b>	
Speed for pump data:	2864 rpm
Rated flow:	13.21 US GPM
Rated head:	140 ft
Head max:	194 ft
Impellers:	9
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	9
Pump version:	A
Model:	A
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT100
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	80A
Efficiency class:	0
Number of poles:	2
P2:	1 HP
Power (P2) required by pump:	1 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	3.3 / 1.9 A
Starting current:	580-620 %
Cos phi - power factor:	0,81-0,71
Rated speed:	2840-2870 rpm
Full load motor efficiency:	81,0 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805104
<b>Others:</b>	
Net weight:	51.1 lb
Gross weight:	55.5 lb
Shipping volume:	1.77 ft³

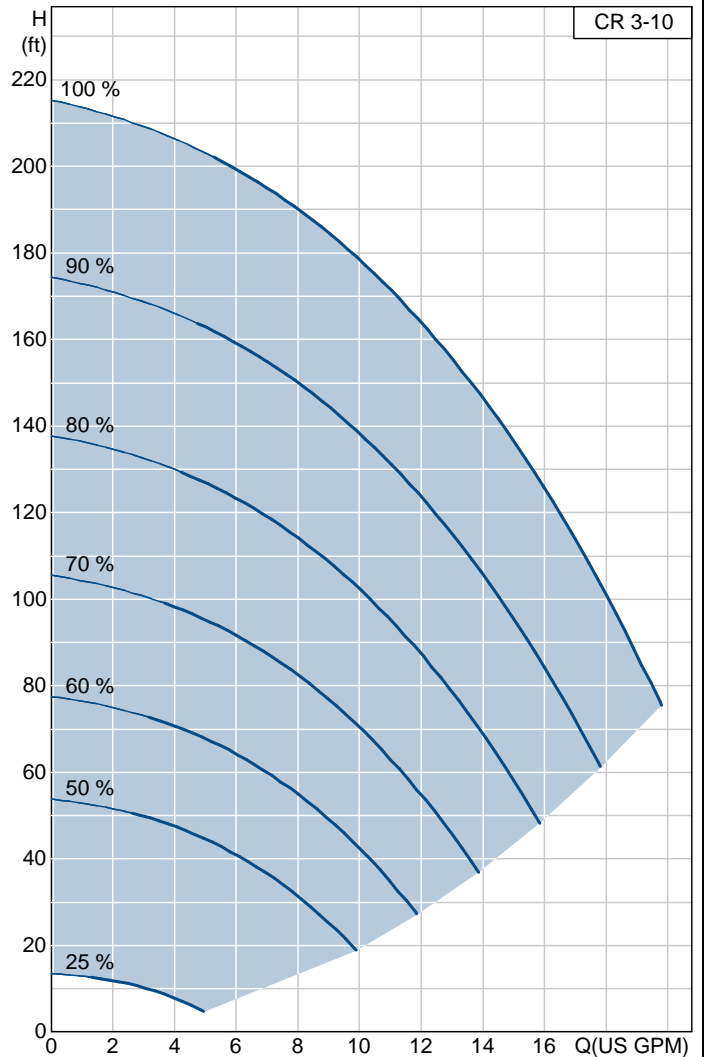


Description	Value
Product name:	CR 3-9 A-B-A-E HQQE
Product Number:	96083070
EAN number:	5700395182385
<b>Technical:</b>	
Speed for pump data:	3466 rpm
Rated flow:	15.85 US GPM
Rated head:	201 ft
Impellers:	9
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	9
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	80BA
Number of poles:	2
P2:	1.5 HP
Power (P2) required by pump:	1.5 HP 1.5 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,15
Rated current:	4,70-4,60 / 2.3 A
Starting current:	720-800 %
Cos phi - power factor:	0.84-0.75
Rated speed:	3450-3480 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900704
<b>Others:</b>	
Net weight:	62.2 lb
Gross weight:	68.8 lb
Shipping volume:	2.12 ft³





Description	Value
Product name:	CR 3-10 A-A-A-E HQQE
Product Number:	96516597
EAN number:	5700396746074
<b>Technical:</b>	
Speed for pump data:	2864 rpm
Rated flow:	13.21 US GPM
Rated head:	154 ft
Head max:	217 ft
Impellers:	10
Type of shaft seal:	HQQE
Approvals on nameplate:	CE
Stages:	10
Pump version:	A
Model:	A
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. A48-30 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	Oval
Connect code:	A
Size, pipe connection:	Rp 1
Flange size for motor:	FT100
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	80A
Efficiency class:	0
Number of poles:	2
P2:	1 HP
Power (P2) required by pump:	1 HP
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D / 380-415 Y V
Rated current:	3.3 / 1.9 A
Starting current:	580-620 %
Cos phi - power factor:	0,81-0,71
Rated speed:	2840-2870 rpm
Full load motor efficiency:	81,0 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85805104
<b>Others:</b>	
Net weight:	52 lb
Gross weight:	56.4 lb
Shipping volume:	1.77 ft³



Description	Value
Product name:	CR 3-10 A-B-A-E HQQE
Product Number:	96083072
EAN number:	5700395182408
<b>Technical:</b>	
Speed for pump data:	3452 rpm
Rated flow:	15.85 US GPM
Rated head:	224 ft
Impellers:	10
Type of shaft seal:	HQQE
Approvals on nameplate:	NEMA
Stages:	10
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Material, pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM
Material, impeller:	Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Material code:	A
Code for rubber:	E
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	232 / 250 psi/°F 232 / -4 psi/°F
Standard, pipe connection:	OVAL
Connect code:	B
Size, pipe connection:	1" NPT
Flange size for motor:	56C
<b>Liquid:</b>	
Liquid temperature range:	-4 .. 248 °F
<b>Electrical data:</b>	
Motor type:	90CC
Number of poles:	2
P2:	2 HP
Power (P2) required by pump:	2 HP 2 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230 / 460 V
Service factor:	1,15
Rated current:	5.70-5.40 / 2.7 A
Starting current:	810-900 %
Cos phi - power factor:	0.88-0.84
Rated speed:	3480-3510 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900705
<b>Others:</b>	
Net weight:	67.9 lb
Gross weight:	74.5 lb
Shipping volume:	2.12 ft³

