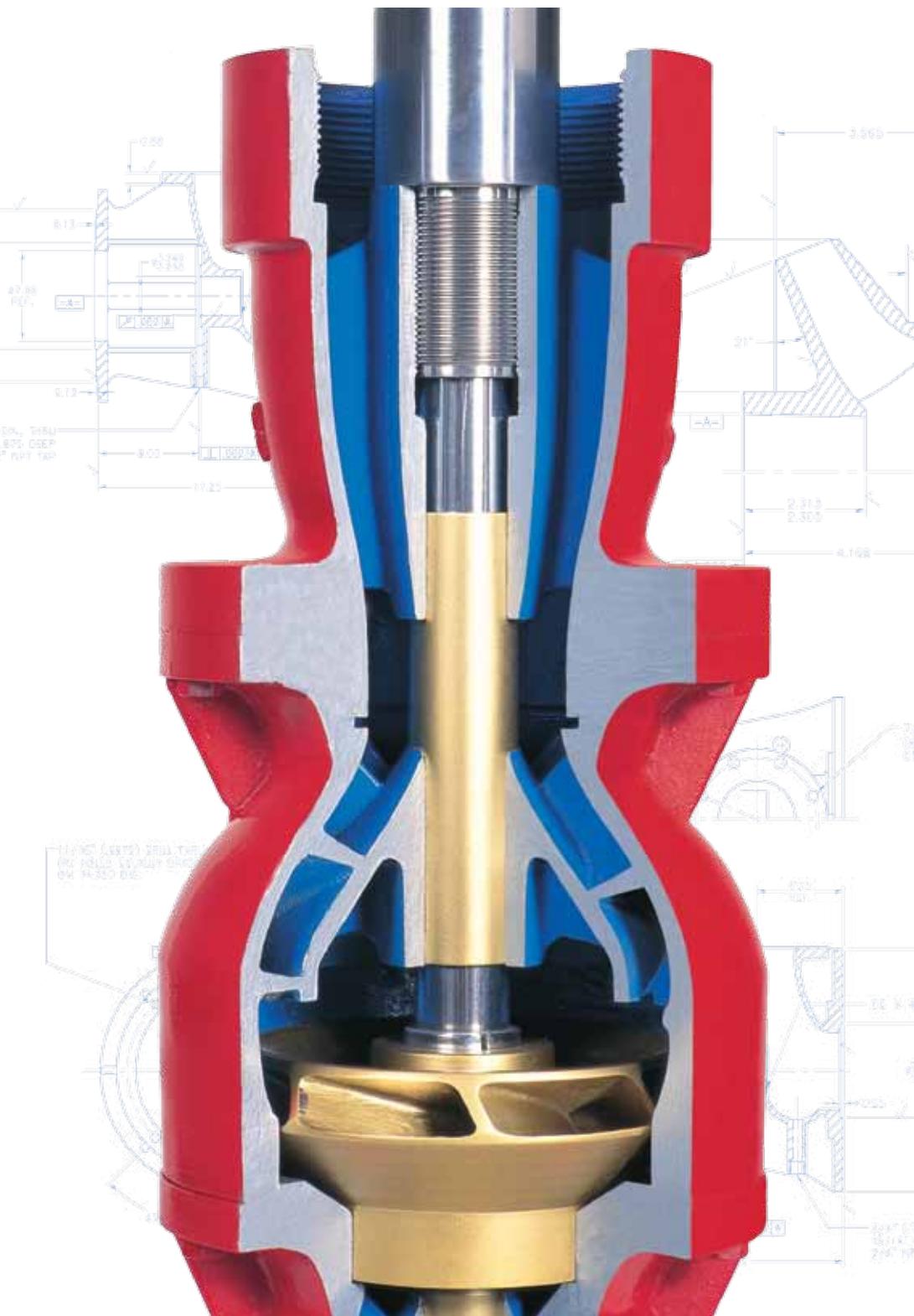




50 HZ CURVES

- 2950 RPM
- 1475 RPM
- 985 RPM
- 735 RPM



Delivering Vertical Turbine Pump
Reliability, Quality and Service
Since 1969

- API/OIL & GAS
- COMMERCIAL
- INDUSTRIAL
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NEW PRODUCTS FROM NPC



H14MO

14" Semi-Open Impeller design is best suited for abrasive water applications; or when variable pump performance is needed by adjusting the impeller-bowl clearances. Flows to: 600 M³/HR, Heads to: 15 M/STG, 85% Efficiency.

H24MC-S LOW NPSH PUMP

The H24MC is a high flow and high efficiency pump that has been servicing the industrial and municipal markets for years.

The pump is now available with a LOW NPSHR impeller for applications where ample NPSH is not available. Flows to: 4,000 M³/HR, Heads to: 45 M/STG, 87% Efficiency, NPSHR to 2 M.



L6LC PUMP

New 15 M³/HR Low Flow 6" pump primarily designed for the API 610 oil and gas industry.
Flows to: 15 M³/HR, Heads to: 10 M/STG.

M6LO, M6MO & M6HO PUMPS

Three (3) Semi open 6" submersible pump designs developed for the agricultural markets to better handle sandy well applications.
Flows from 22 - 45 M³/HR,
Heads to: 12 M/STG.



HI-PRO – 300# DISCHARGE HEADS

(6" thru 12") are designed to better serve high pressure applications in the industrial and municipal markets.



STAYING AHEAD OF THE CURVE

IN ORDER TO UPDATE YOU ON ANY CATALOG CHANGES,
PLEASE COMPLETE THIS FORM AND MAIL OR FAX THIS INFORMATION TO:

National Pump Company
7706 N. 71st Avenue
Glendale, Arizona 85303-1703
Fax (623) 979-2177
www.nationalpumpcompany.com
Email: info@natlpump.com

We will mail updates and changes as they occur.

ATTN: MARKETING DEPARTMENT

CONTACT NAME: _____

COMPANY NAME: _____

TYPE OF BUSINESS: _____

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National Keeps You Pumping Around The World

At National Pump, pump technology is our business. From principals and engineers to sales and service personnel, our key staff members have more than three centuries of combined industry experience. We want to help you achieve your goals and objectives, and we're big enough to meet your needs, yet small enough to provide the one-to-one service you deserve.

At every stage of our work, from research and development to design, production and testing, we use up-to-the-minute technologies and the most modern equipment available to ensure that every National Pump meets the highest possible standards of efficiency and reliability. Using conventional or special materials, we manufacture pumps for specific needs and conditions.

From gold mines to golf courses to grain fields, our pumps are hard at work around the world. Serving commercial, industrial, municipal, power, residential, mining, oil and gas and agricultural irrigation needs, each National Pump produced is an individual pumping system designed to do a specific pumping job. Precisely matched drivers, discharge heads, impellers, bowls and column /shaft assemblies deliver consistent pumping capacity.

We offer a full range of vertical turbine and submersible pumps, water or oil lubricated, of threaded or flanged construction, with capacities to 4,000 M³/HR and pressures up to 1,500 PSI. All pump models are in stock as standard materials, and they can be customized at the service center level. We also manufacture custom pumps, using special alloys and coatings to suit your specific needs. We have multiple patterns in order to meet special alloy requirements in a timely manner.

Even more important is the service we provide. We will be happy to provide pre-design information to help you develop the most efficient pumping system for your customer's needs. Whatever your application, we know that having equipment down causes unacceptable delays so each of our offices is a complete service / warehouse / assembly / finishing center.

Our branches are strategically located throughout the United States and staffed by experienced managers who are all technical experts, ready to help solve your problems on the phone or on site. No matter what brand of pump you have, when you need service, you get it now - not a two month delay while parts are ordered, or a several-day wait for a visit from service personnel.

Before you design your next pumping system, talk with a National Pump expert and take advantage of the knowledge and experience we have to offer. We're convinced you won't find better quality or service anywhere!

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(800) 745-5393

Email: info@natlpump.com

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JANUARY 2012



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PLEASE REFER TO ENGINEERING CATALOG FOR TECHNICAL DATA.

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



L6LC
2950 RPM

CHANGE EFFICIENCY
AS FOLLOWS

NUMBER OF
STAGES
NUMBER OF
POINTS

1

3

4

DESIGN

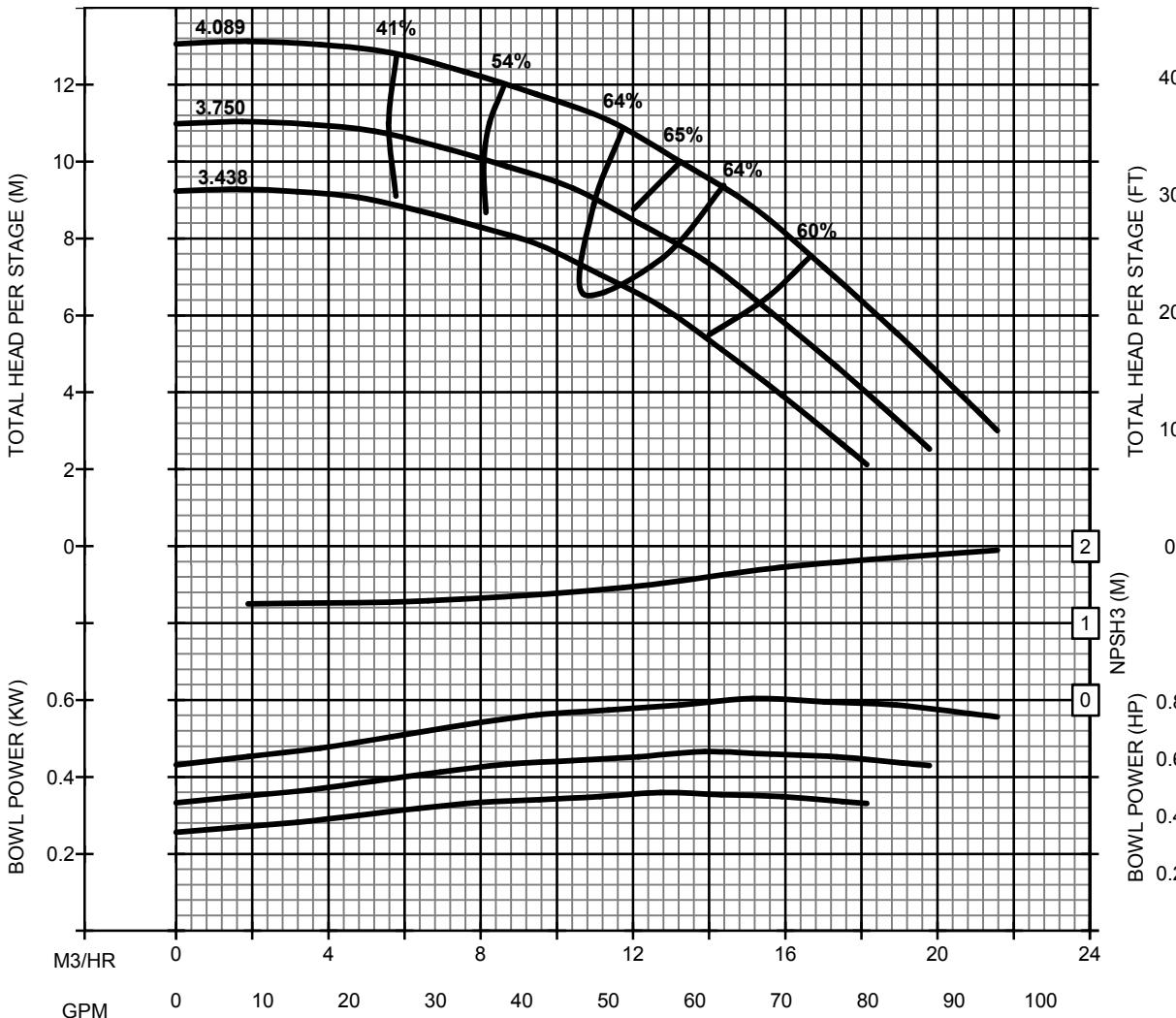
M3/HR

TDH

KW

EFF

1 STG () STG



DIMENSIONS

IN
INCHES

A

B

C

ADD/STG

E

F

G

H*

J

K

L

M

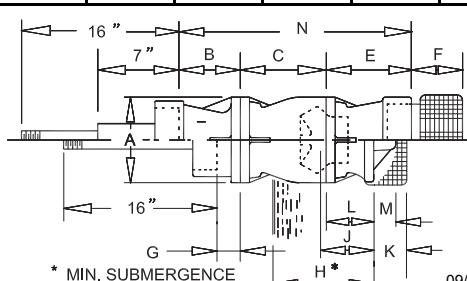
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PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	4"
THRUST CONSTANT:	1.20	SUCTION SIZE:	BELL
LATERAL (STD):	0.19	STD. TUBE:	N/A
EYE AREA IN ² :	5.38	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.0	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



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09/01/2011

CVL6LC2P5CY

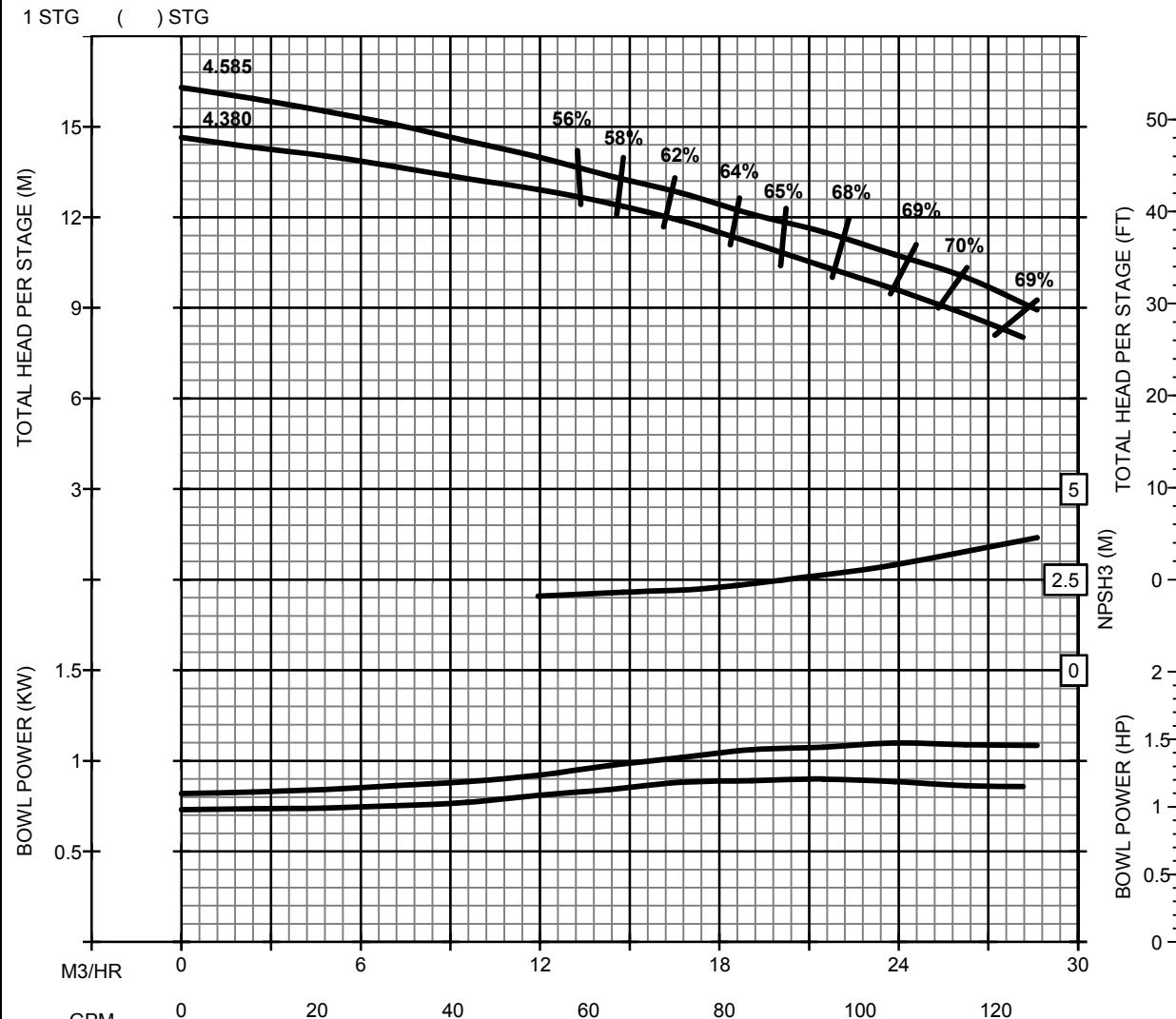
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6LC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN M3/HR	TDH	KW	EFF
		-2	-1	0					



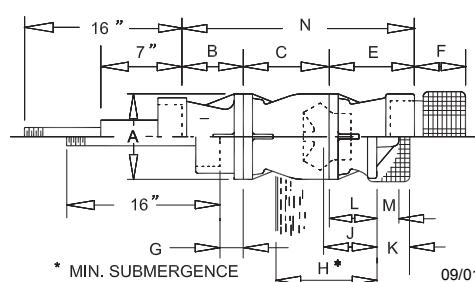
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.19	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	5	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
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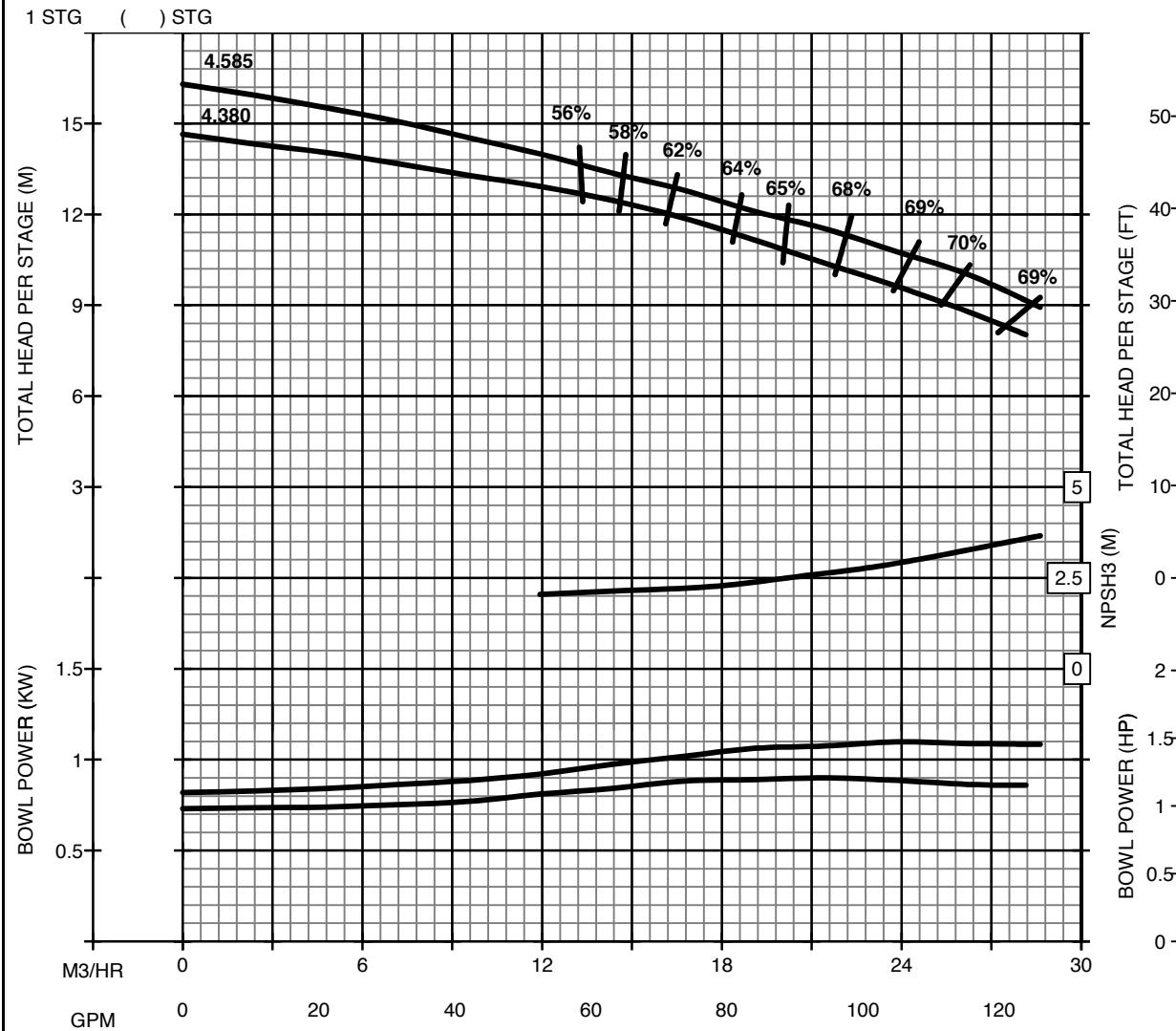
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6LO
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



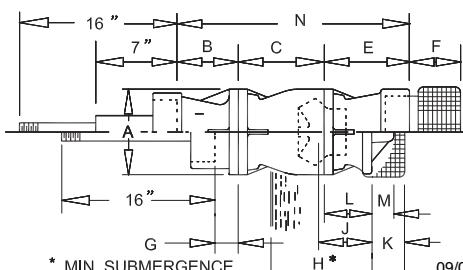
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.19	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	THREADED
NO. OF VANES:	5	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

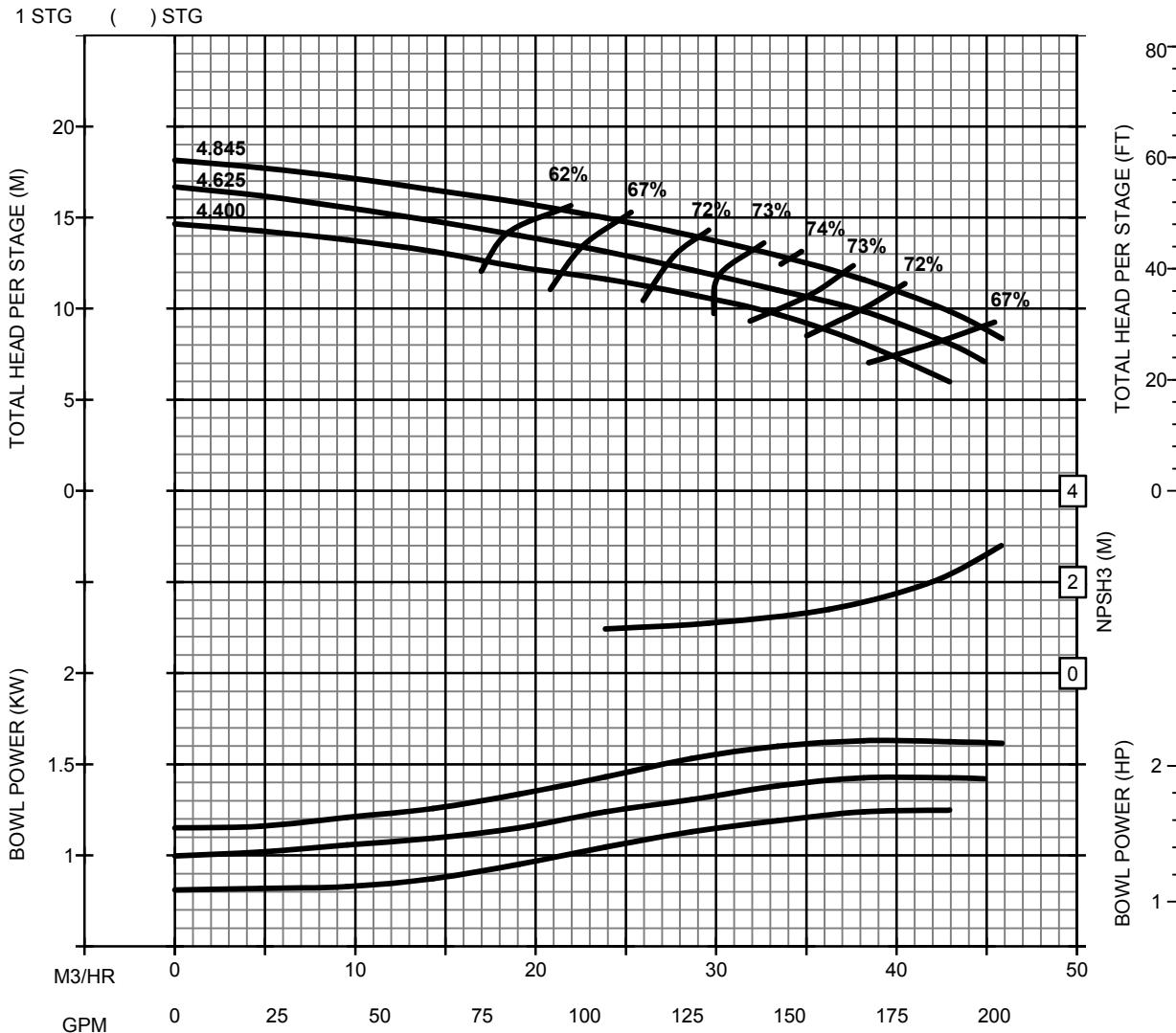


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6MC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4	DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0					



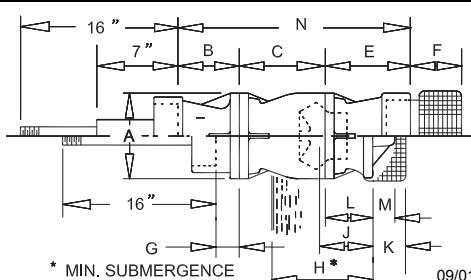
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	6	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
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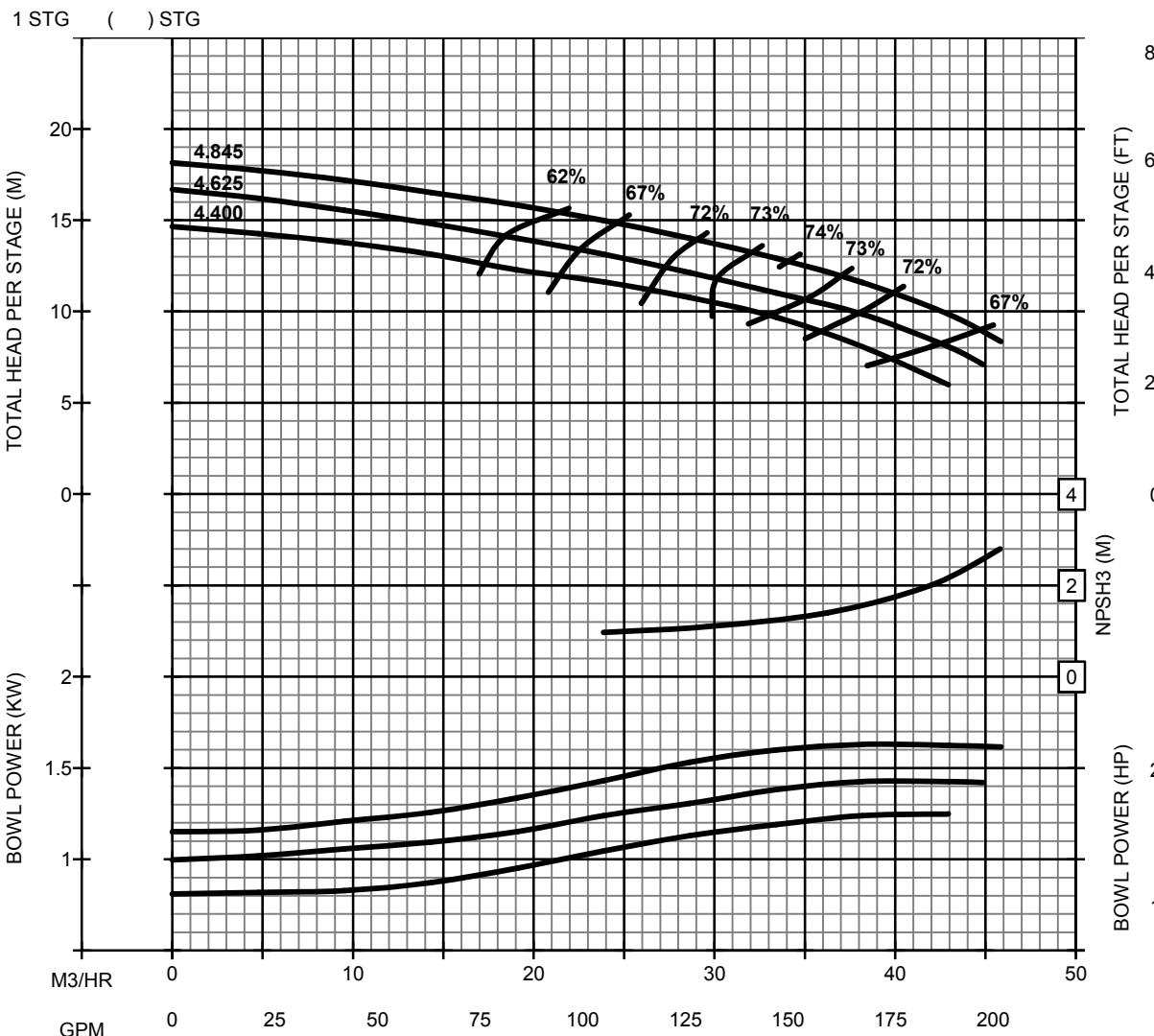
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PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6MO
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



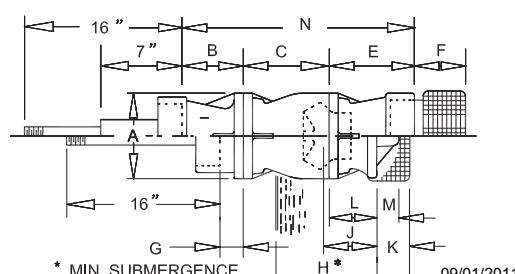
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	THREADED
NO. OF VANES:	6	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

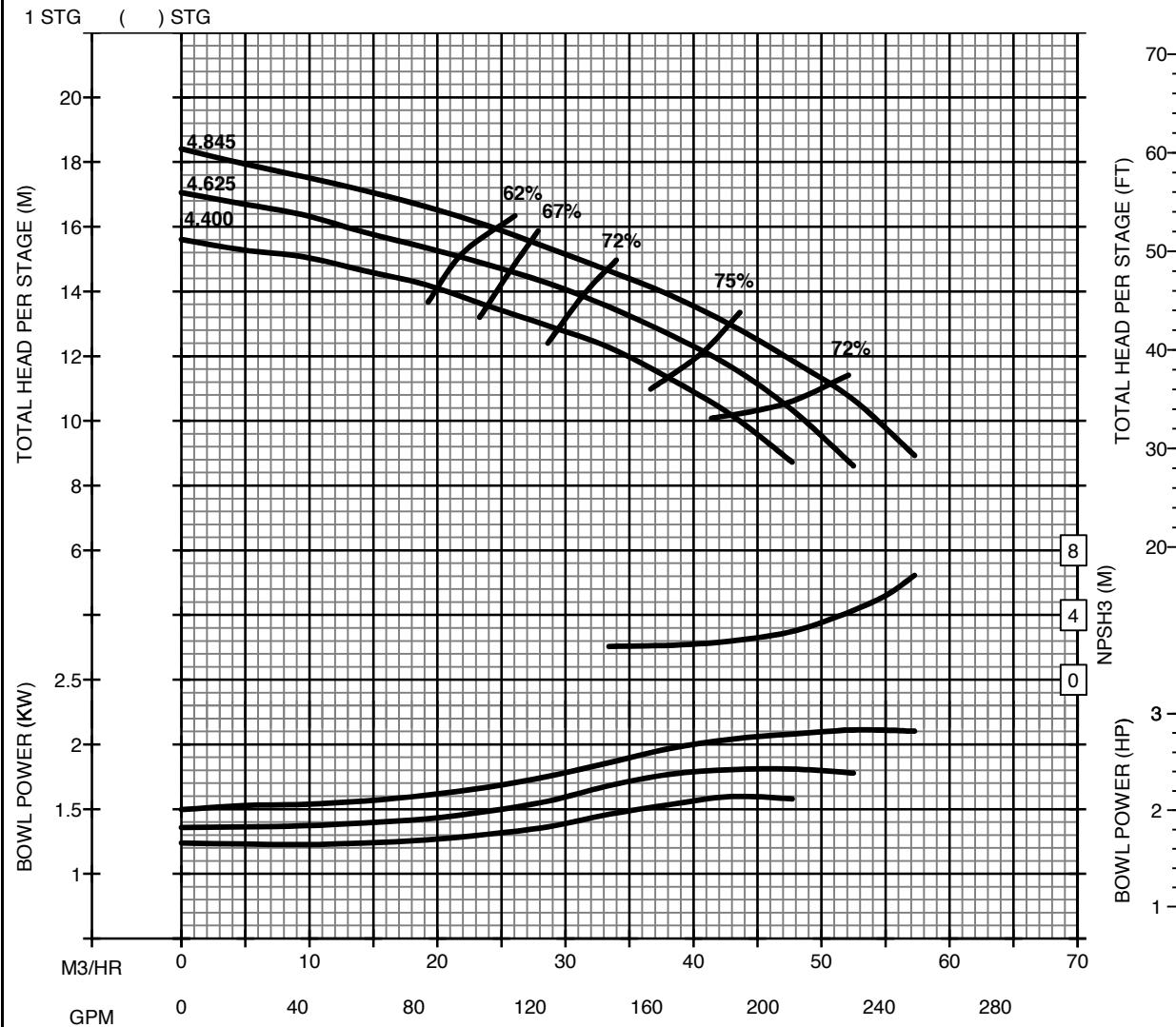
CVM6MO2P5CY

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6HC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



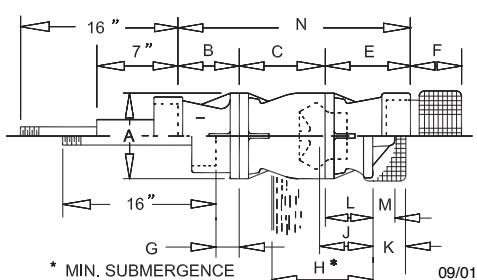
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	7	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	4.89	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

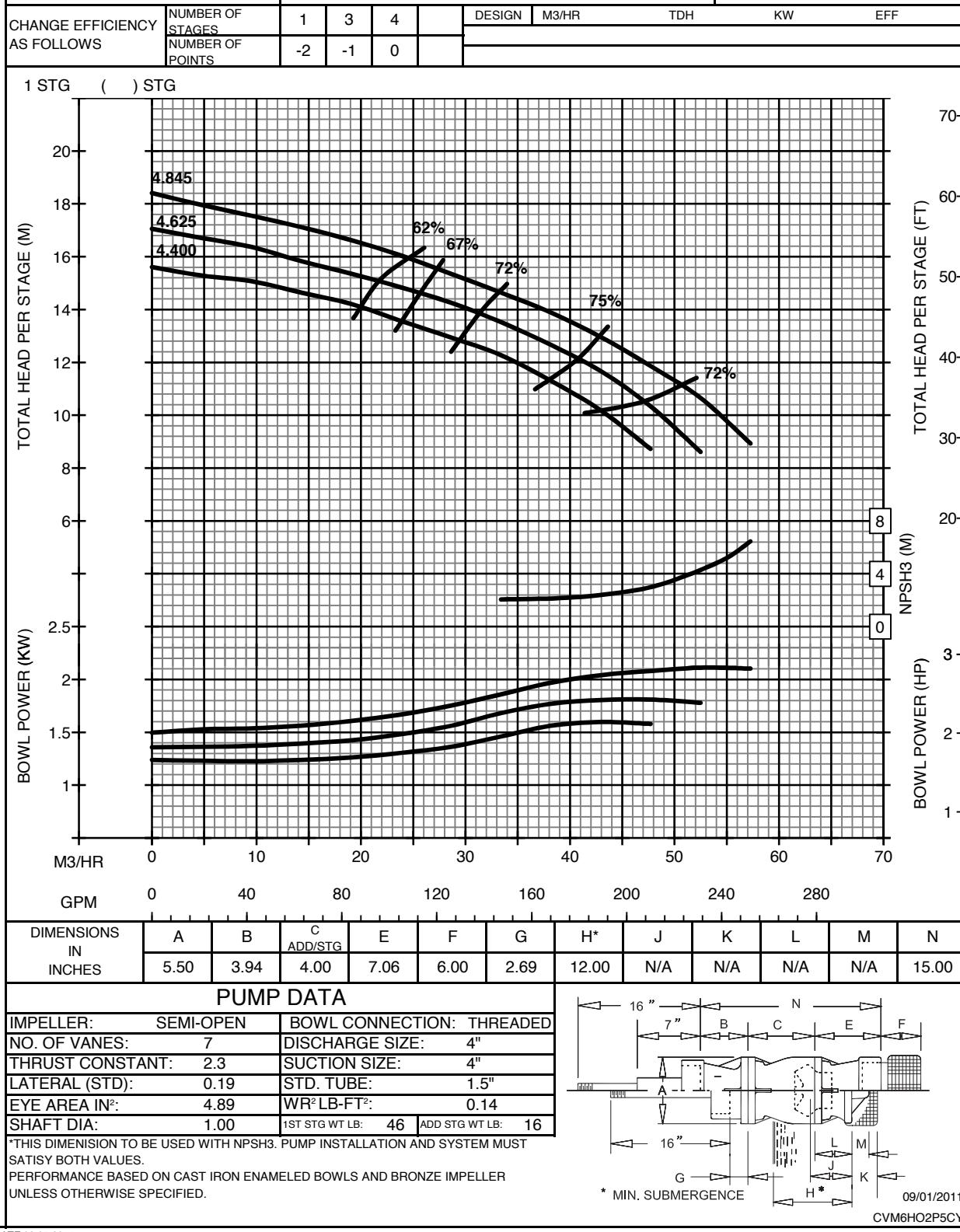
PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6HO
2950 RPM

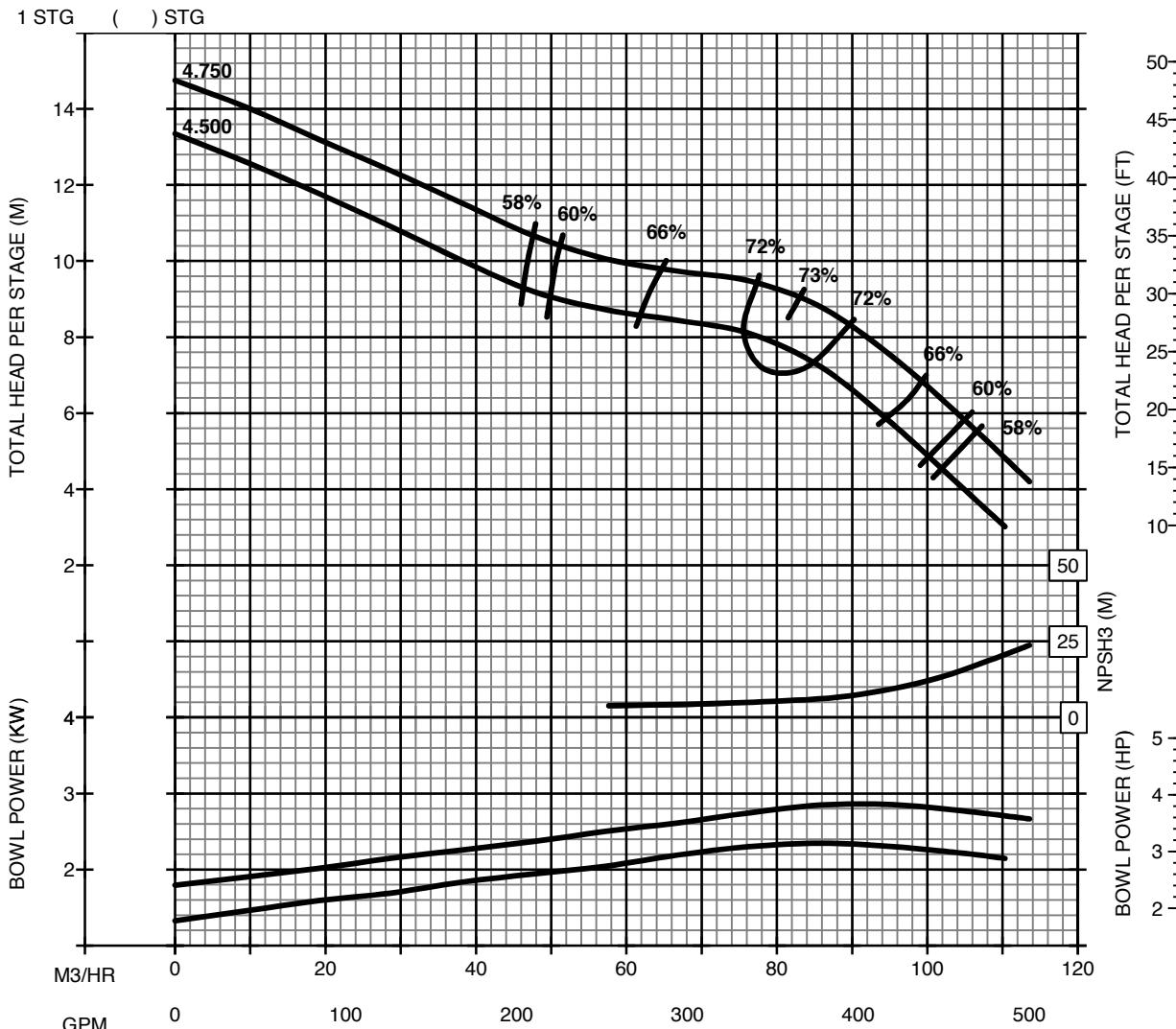


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E6XHC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



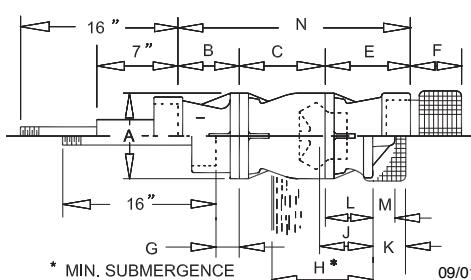
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.62	3.94	6.19	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	18.75

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	8	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.90	SUCTION SIZE:	4"
LATERAL (STD):	0.188	STD. TUBE:	1.5"
EYE AREA IN ² :	7.12	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	60 ADD STG WT LB: 25

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVE6XHC2P5CY

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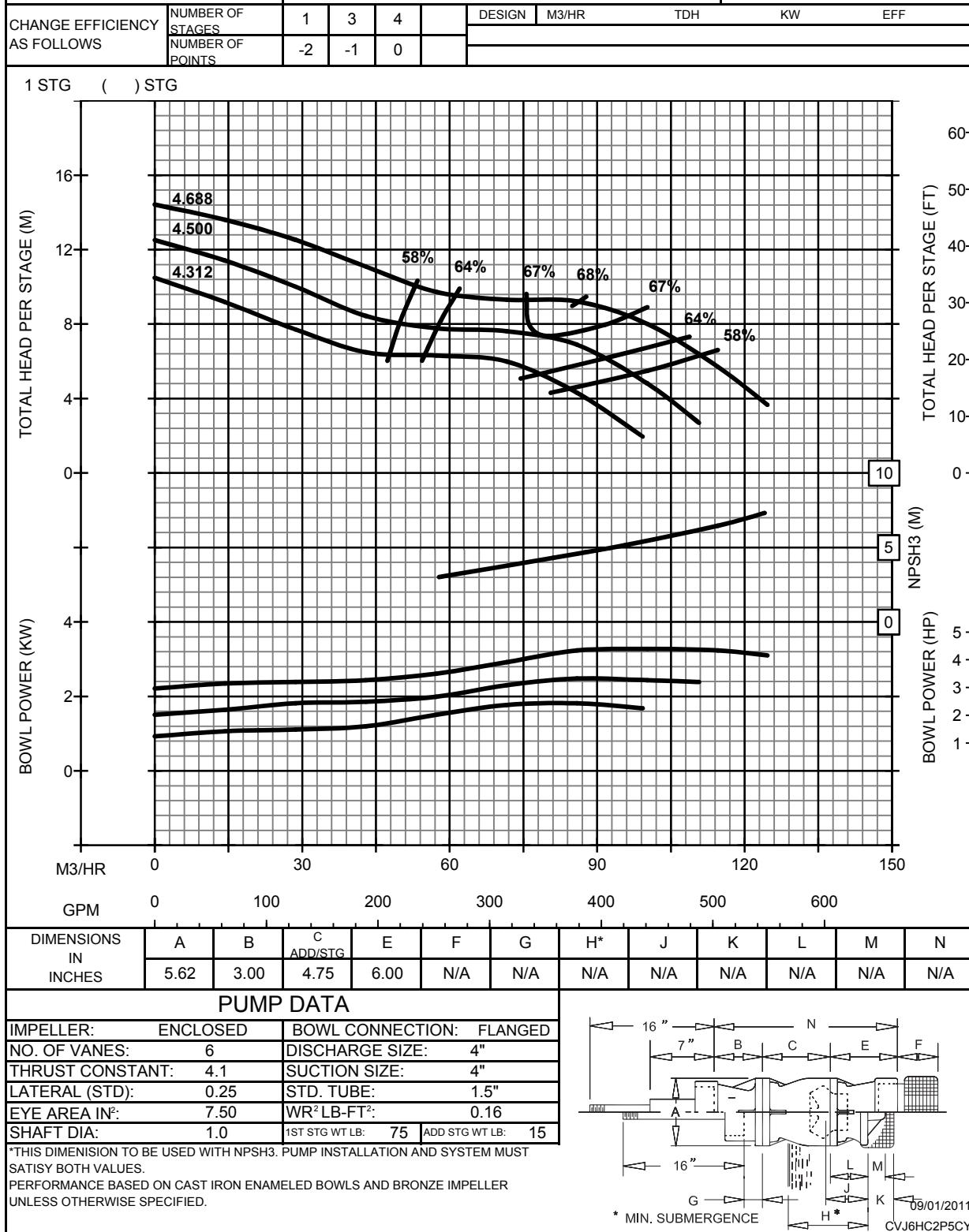


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J6HC
2950 RPM

CURVES
2950



CURVE TEMPLATE 08.05.2011



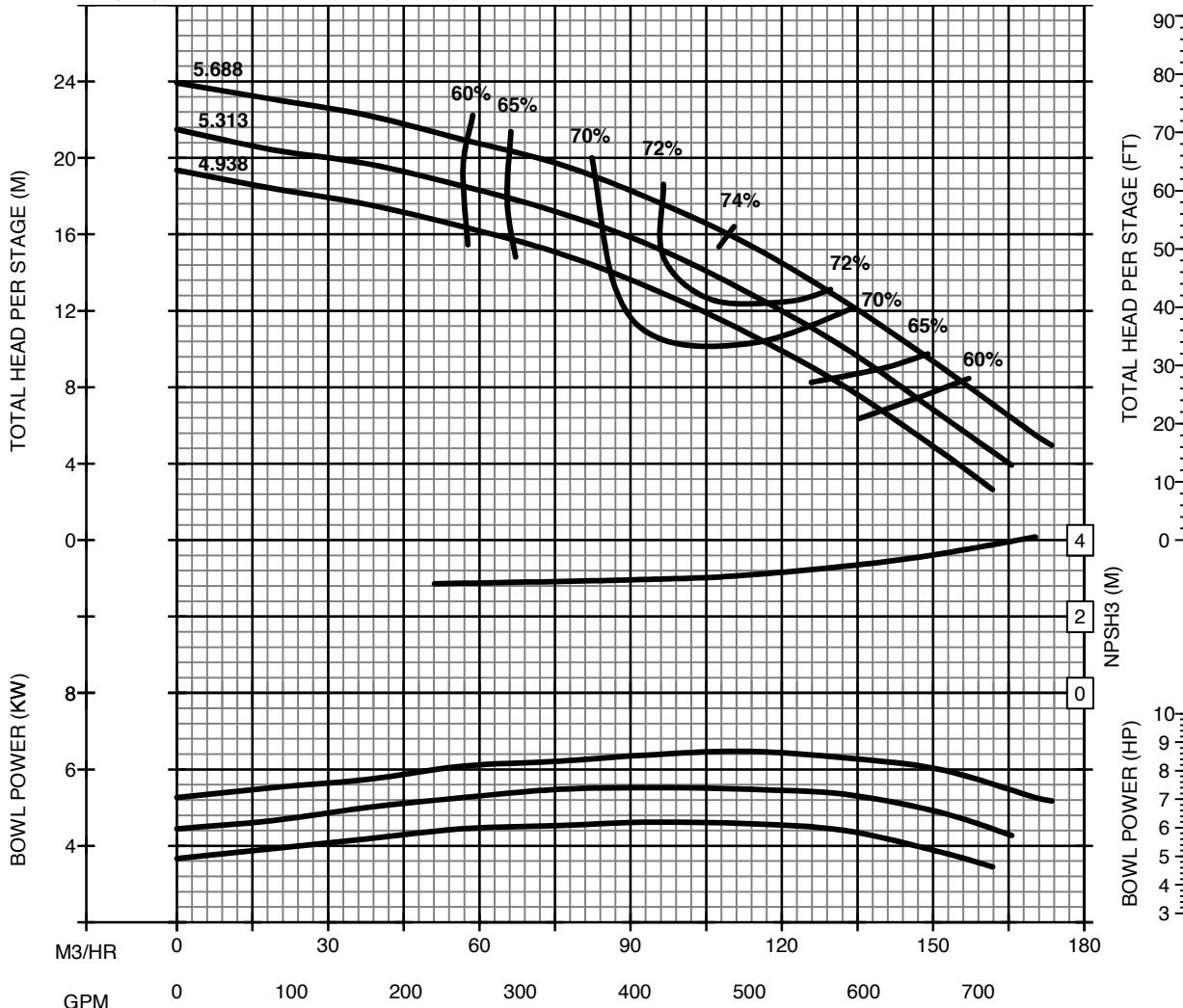
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H7LC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						

1 STG () STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.00	5.50	6.75	8.25	6.56	1.12	16.50	8.75	N/A	N/A	N/A	20.50

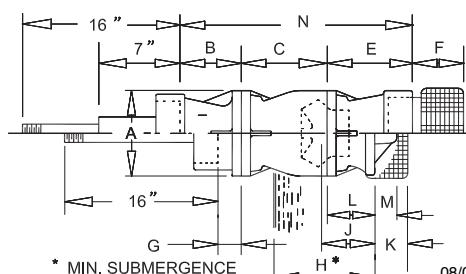
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.2	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	9.07	WR ² LB-FT ² :	0.25
SHAFT DIA:	1.25	1ST STG WT LB:	95 ADD STG WT LB: 35

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**IF 6" DISCHARGE CASE OR 6" SUCTION CASE IS USED THIS DIMENSION IS 7.25"



* MIN. SUBMERGENCE
08/08/2011
CVH7LC2P5CY

CURVE TEMPLATE 08.05.2011

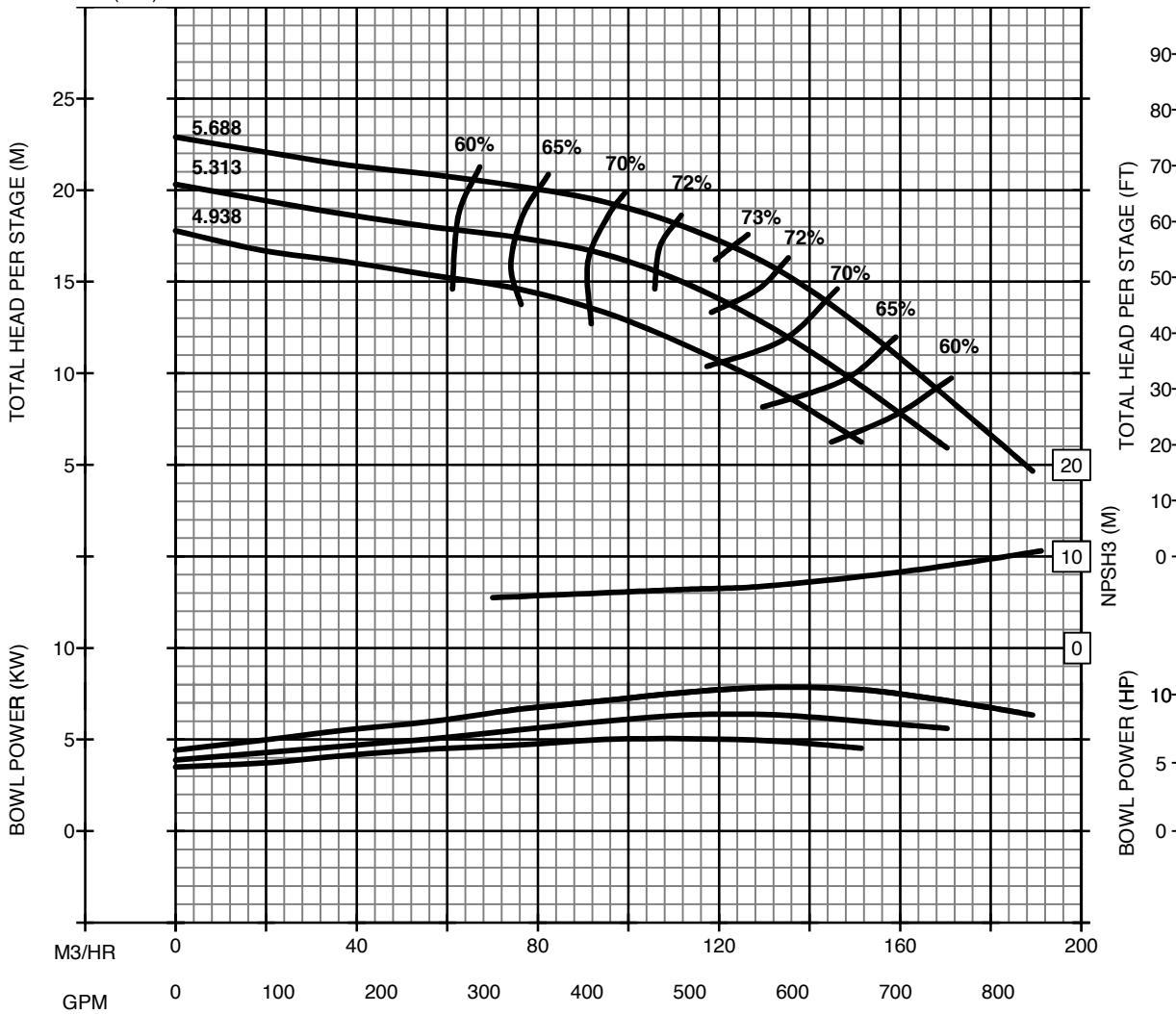
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H7HC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.00	5.50	6.75	8.25	6.56	1.12	16.50	8.75	N/A	N/A	N/A	20.50

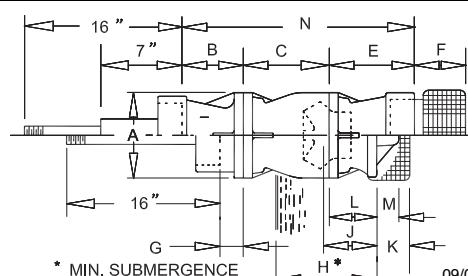
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IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.2	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	9.09	WR ² LB·FT ² :	0.25
SHAFT DIA:	1.25	1ST STG WT LB:	95 ADD STG WT LB: 35

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**IF 6" DISCHARGE CASE OR 6" SUCTION CASE IS USED THIS DIMENSION IS 7.25"



* MIN. SUBMERGENCE
09/01/2011
CVH7HC2P5CY

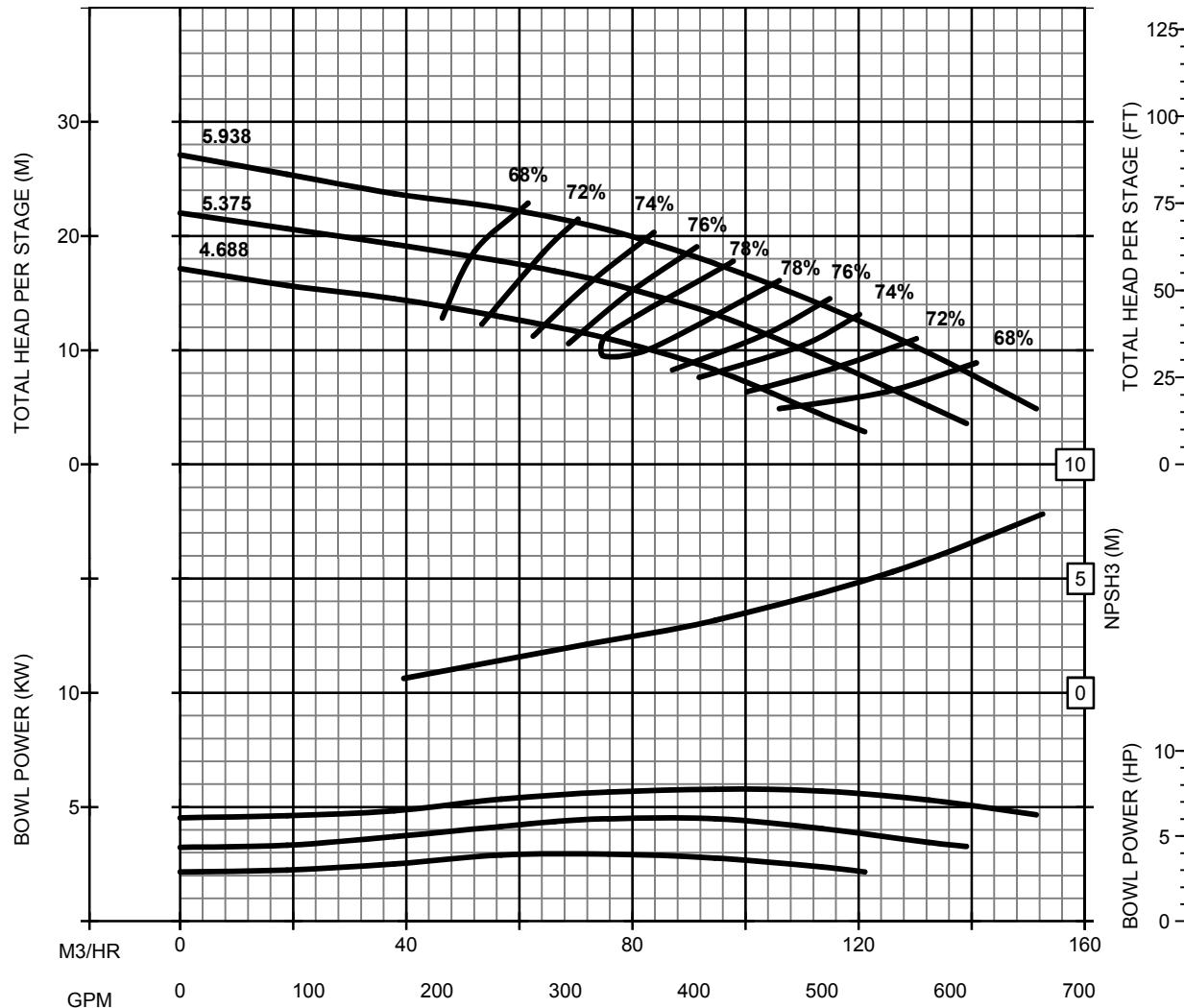
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K8LC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



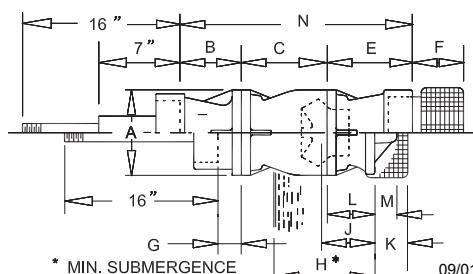
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.63	5.53	6.50	8.38	6.56	1.12	14.50	6.00	6.12	5.52	2.50	20.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.73	SUCTION SIZE:	5"
LATERAL (STD):	0.688	STD. TUBE:	2"
EYE AREA IN ² :	7.742	WR ² LB-FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	85 ADD STG WT LB: 36

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



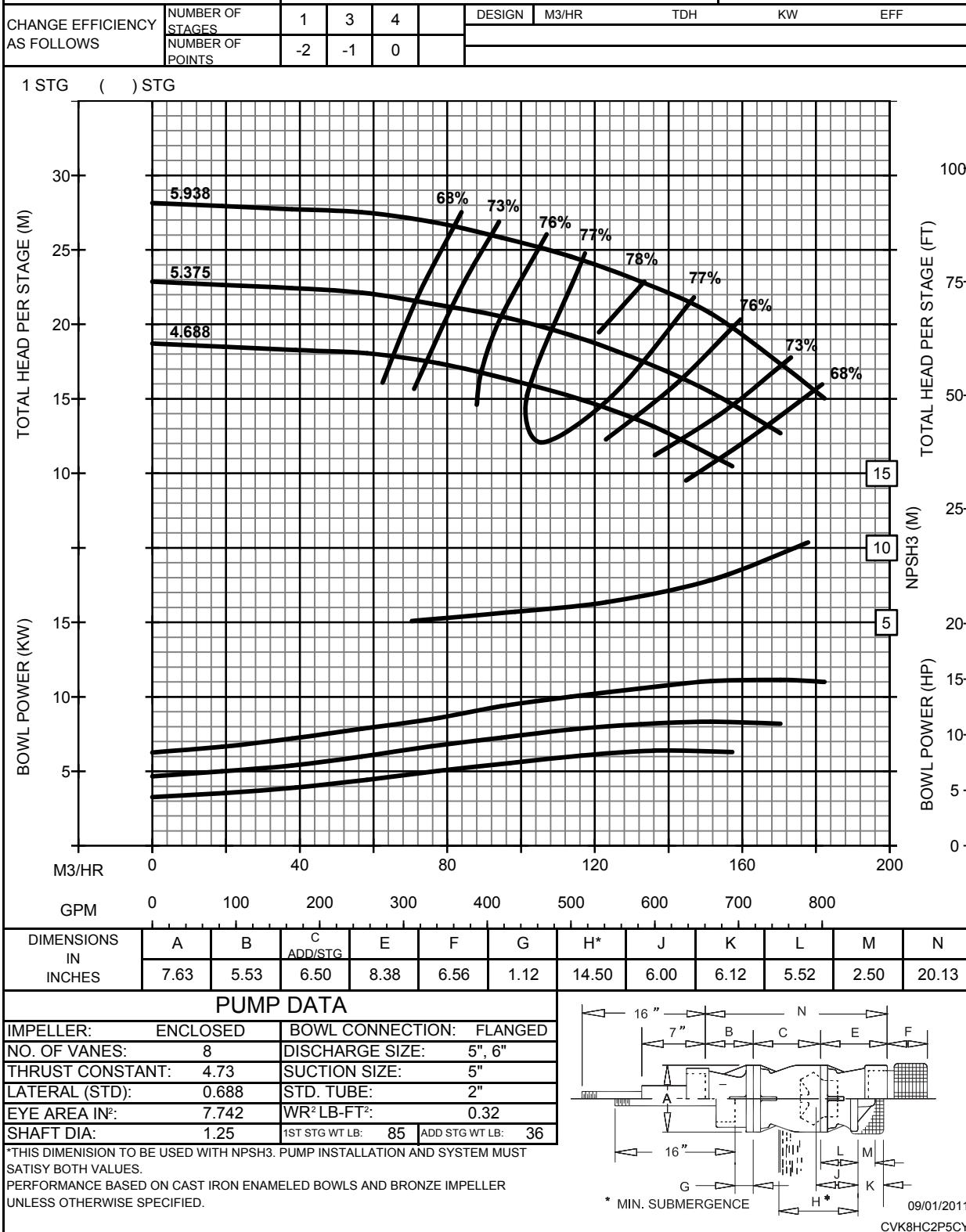
* MIN. SUBMERGENCE
09/01/2011
CVK8LC2P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K8HC
2950 RPM



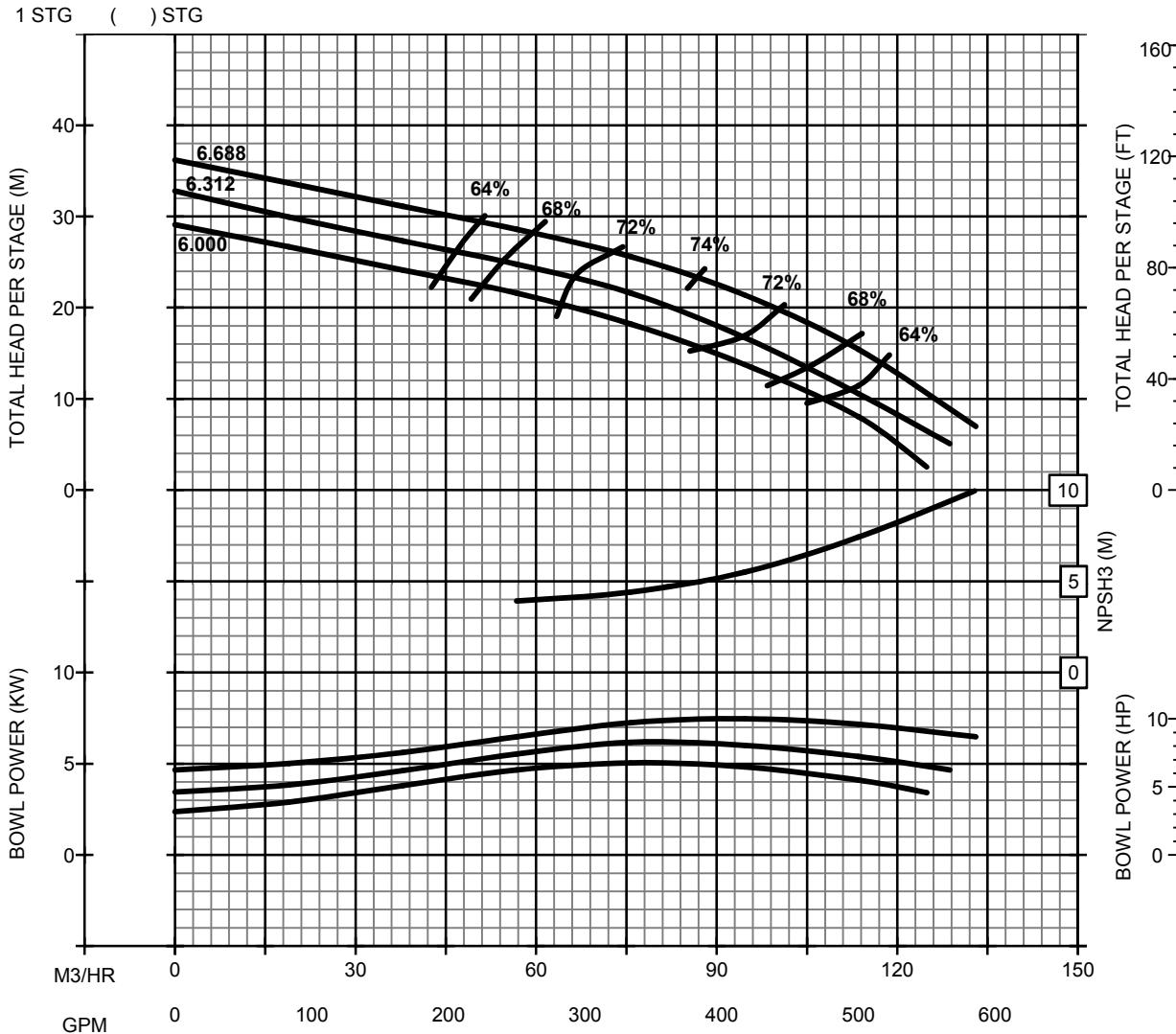
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8XLC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



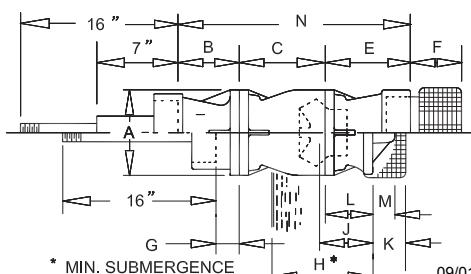
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	4	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.0	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	7.72	WR ² LB-FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	102 ADD STG WT LB: 40

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



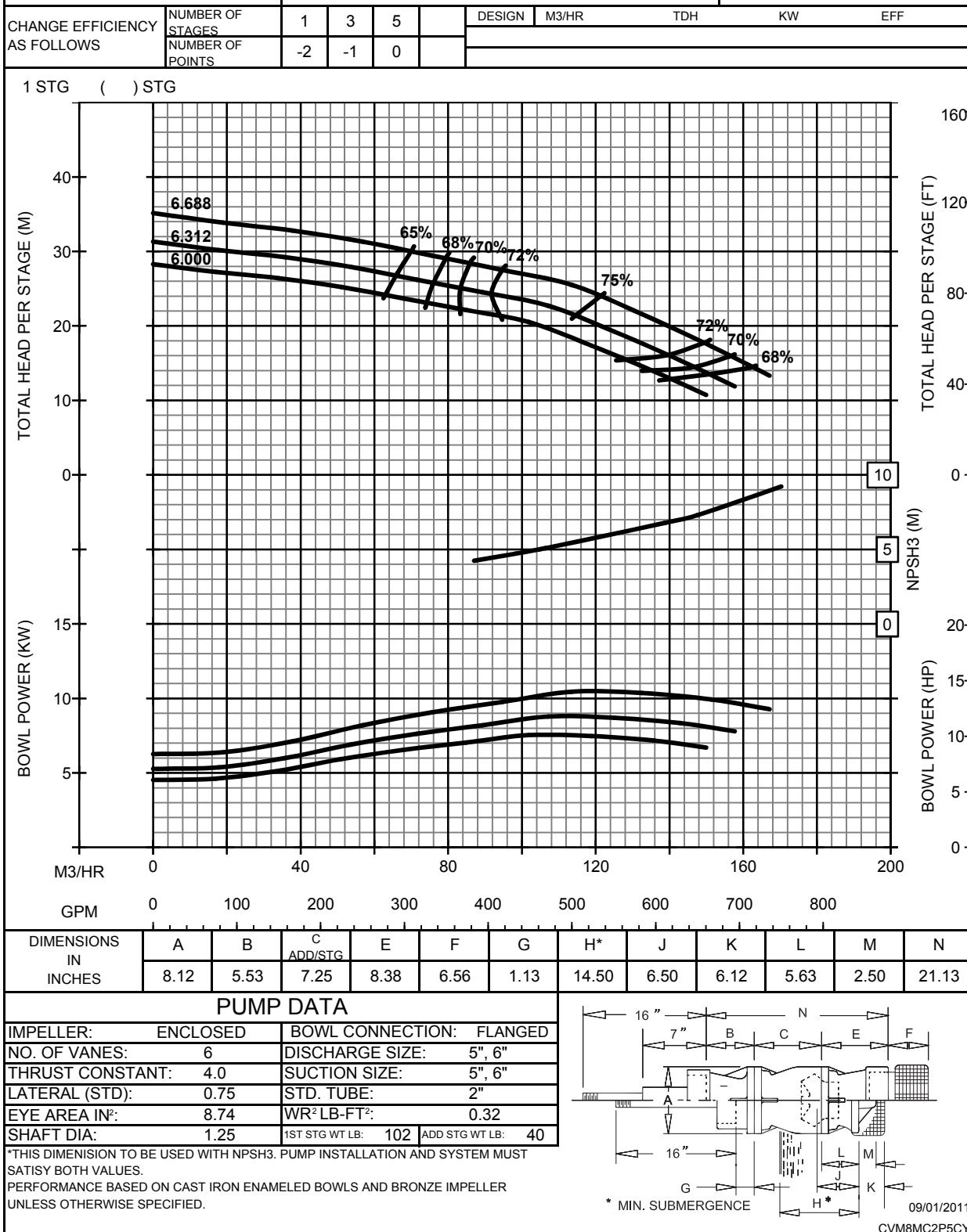
* MIN. SUBMERGENCE
09/01/2011
CVM8XLC2P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8MC
2950 RPM



CURVE TEMPLATE 08.05.2011

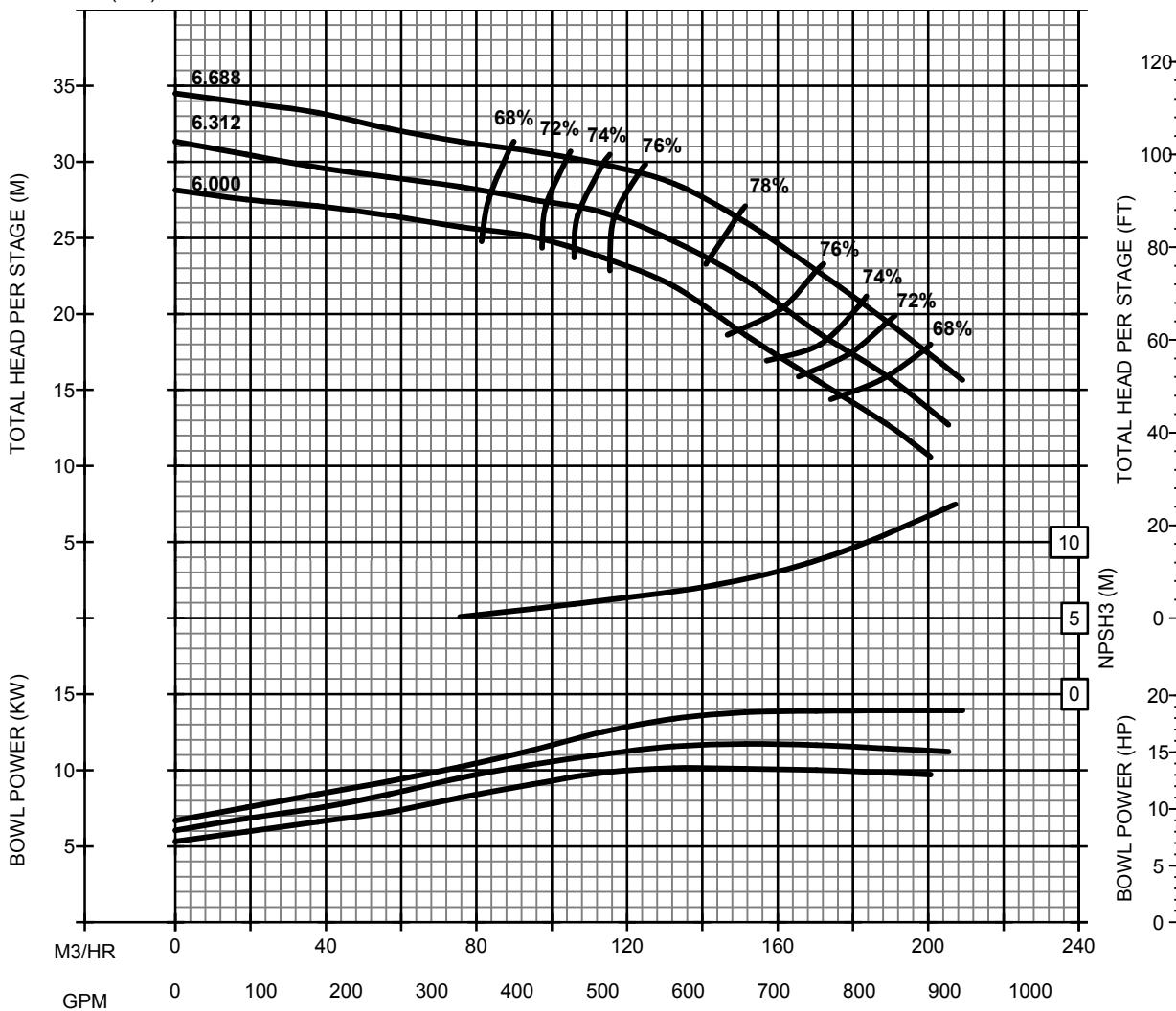
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8HC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



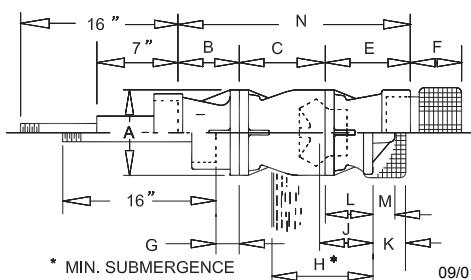
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.0	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	8.74	WR ² LB-FT ² :	0.23
SHAFT DIA:	1.25	1ST STG WT LB:	102 ADD STG WT LB: 40

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



09/01/2011
CVM8HC2P5CY

CURVE TEMPLATE 08.05.2011

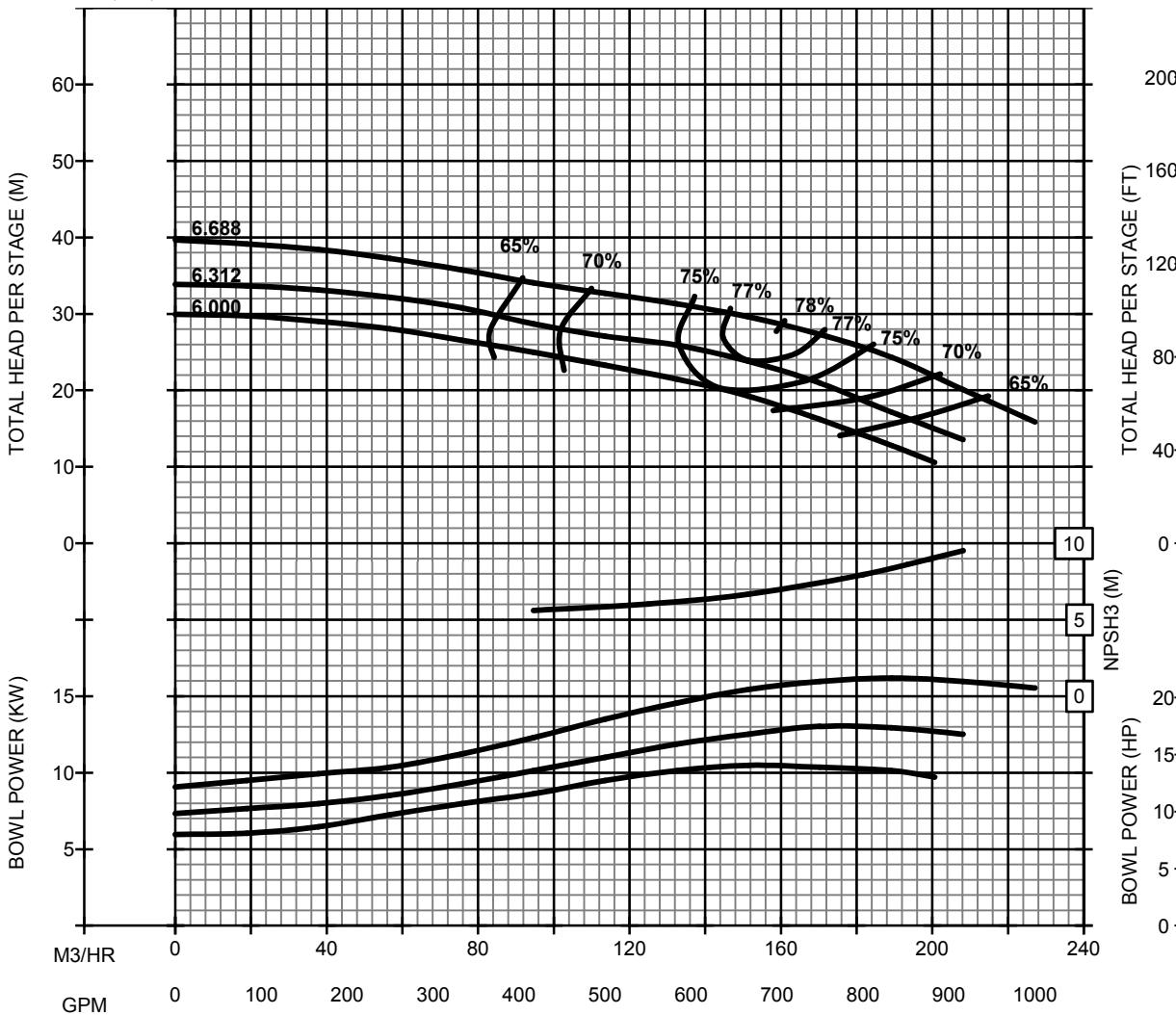
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8XHC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



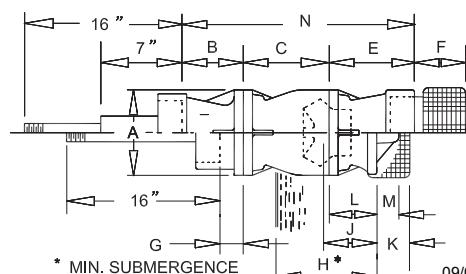
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.9	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.62	STD. TUBE:	2"
EYE AREA IN ² :	10.7	WR ² LB·FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	102
		ADD STG WT LB:	40

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVM8XHC2P5CY

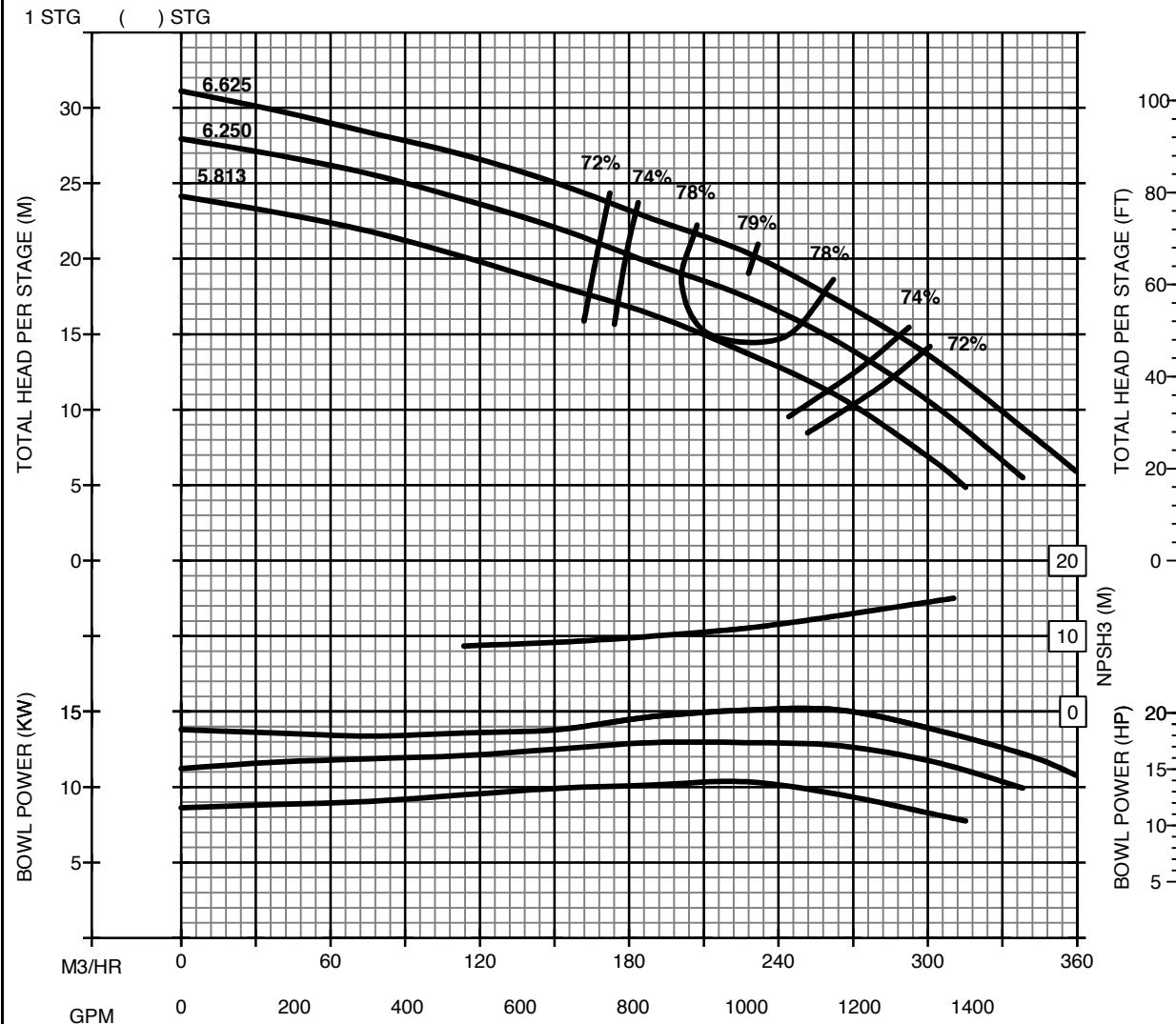
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J8XHC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	5	DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	-1	0					



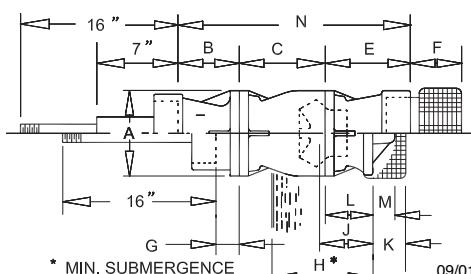
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.75	8.50	8.88	9.25	6.63	1.12	14.00	N/A	N/A	N/A	N/A	26.63

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	6	DISCHARGE SIZE:	6"
THRUST CONSTANT:	5.4	SUCTION SIZE:	6"
LATERAL (STD):	1.38	STD. TUBE:	2"
EYE AREA IN ² :	12.81	WR ² LB-FT ² :	0.36
SHAFT DIA:	1.25	1ST STG WT LB:	140 ADD STG WT LB: 62

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

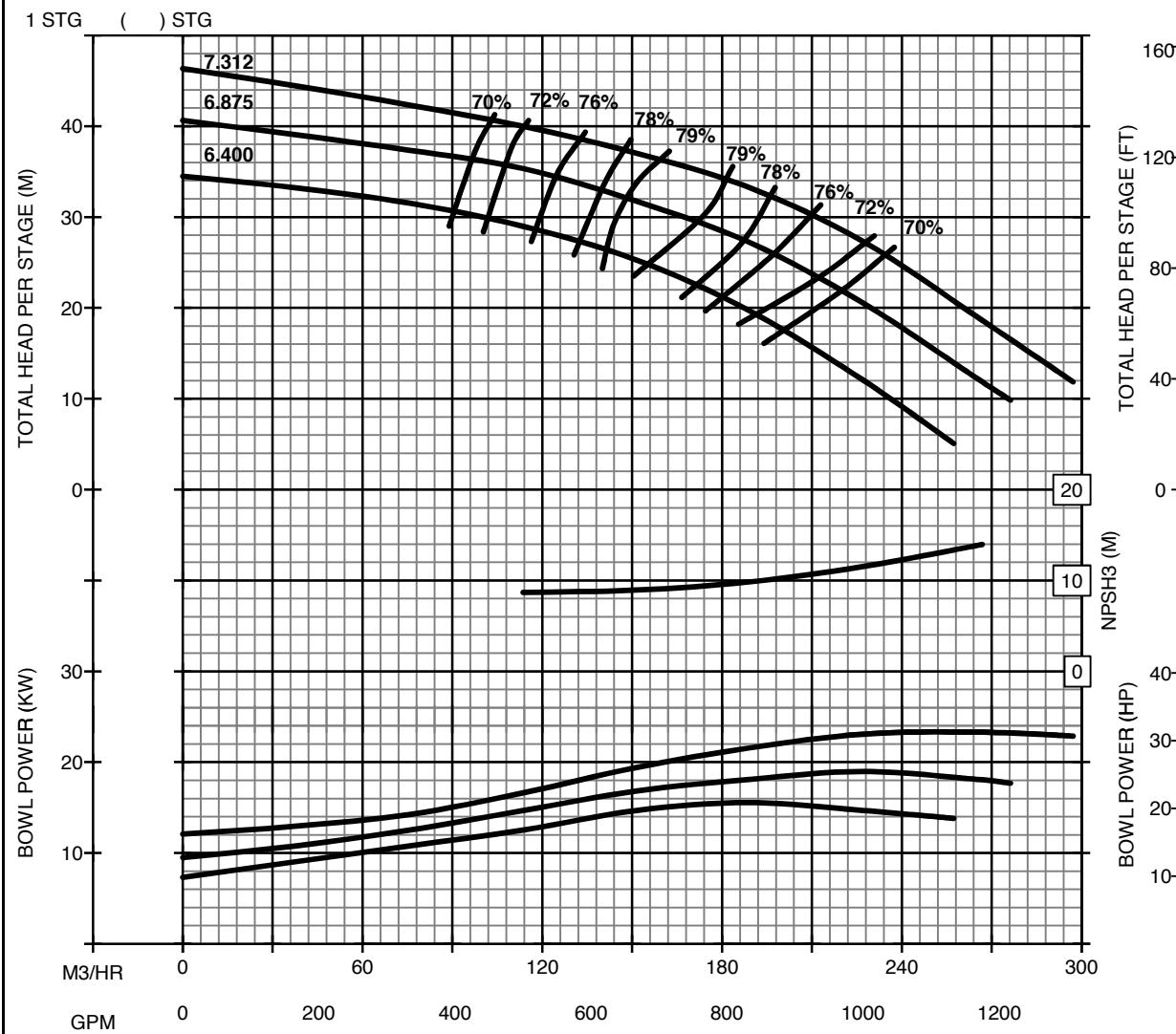


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M9MC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	4	6		DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	0						



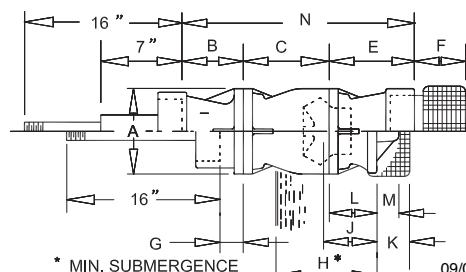
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.00	5.53	8.00	8.38	2.94	7.47	14.50	6.50	6.13	5.62	2.50	21.91

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	5.1	SUCTION SIZE:	6"
LATERAL (STD):	0.625	STD. TUBE:	2"
EYE AREA IN ² :	9.69	WR ² LB-FT ² :	0.47
SHAFT DIA:	1.25	1ST STG WT LB:	138 ADD STG WT LB: 56

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVM9MC2P5CY

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

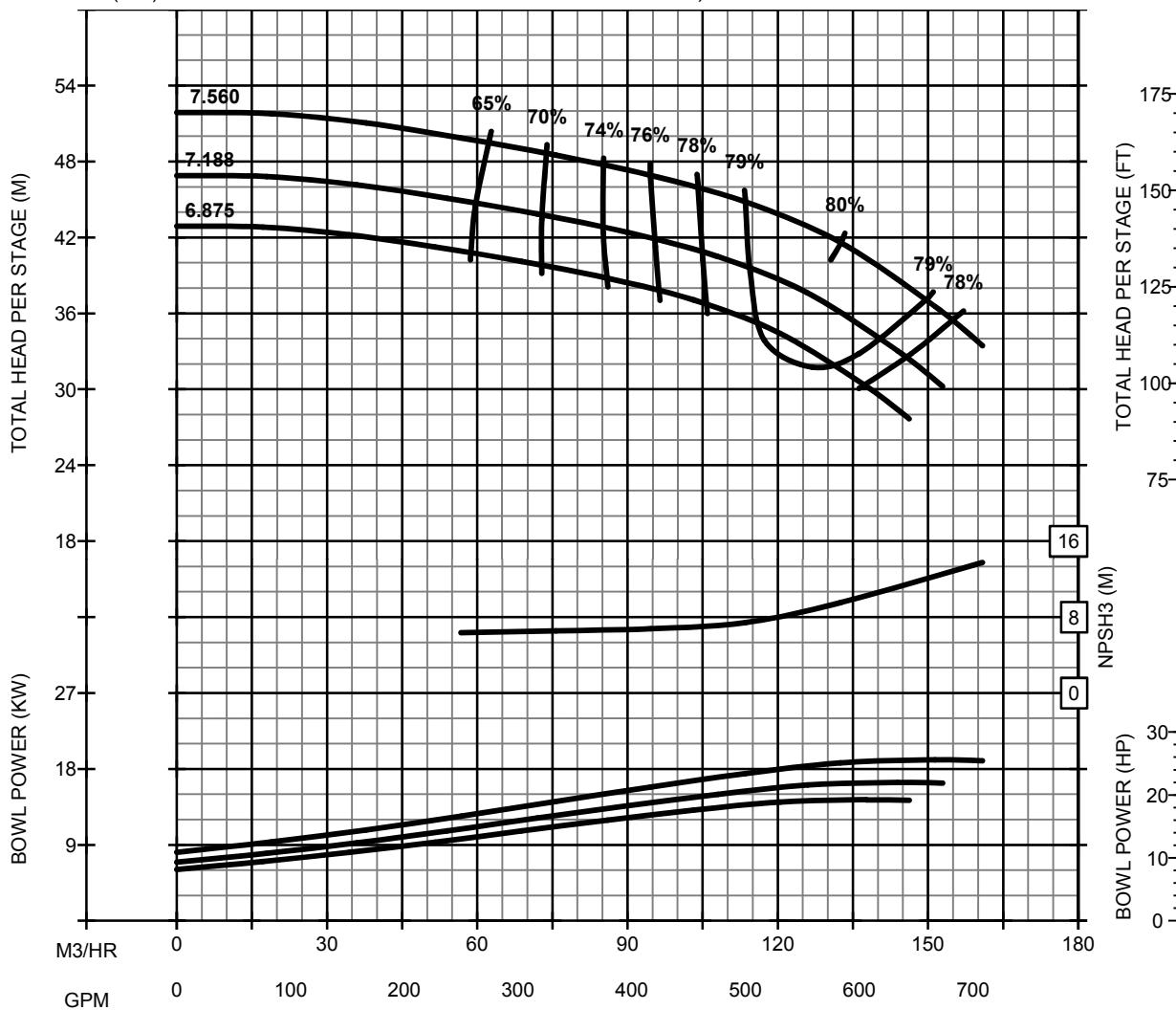


L10HC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



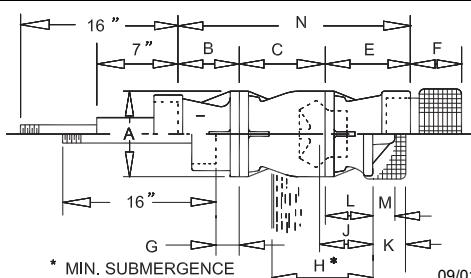
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.83	5.18	6.50	N/A	N/A	1.43	16.00	4.00		4.13	3.75	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	6"
THRUST CONSTANT:	4.60	SUCTION SIZE:	N/A
LATERAL (STD):	0.50	STD. TUBE:	2.5"
EYE AREA IN ² :	8.53	WR ² LB-FT ² :	0.44
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVL10HC2P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

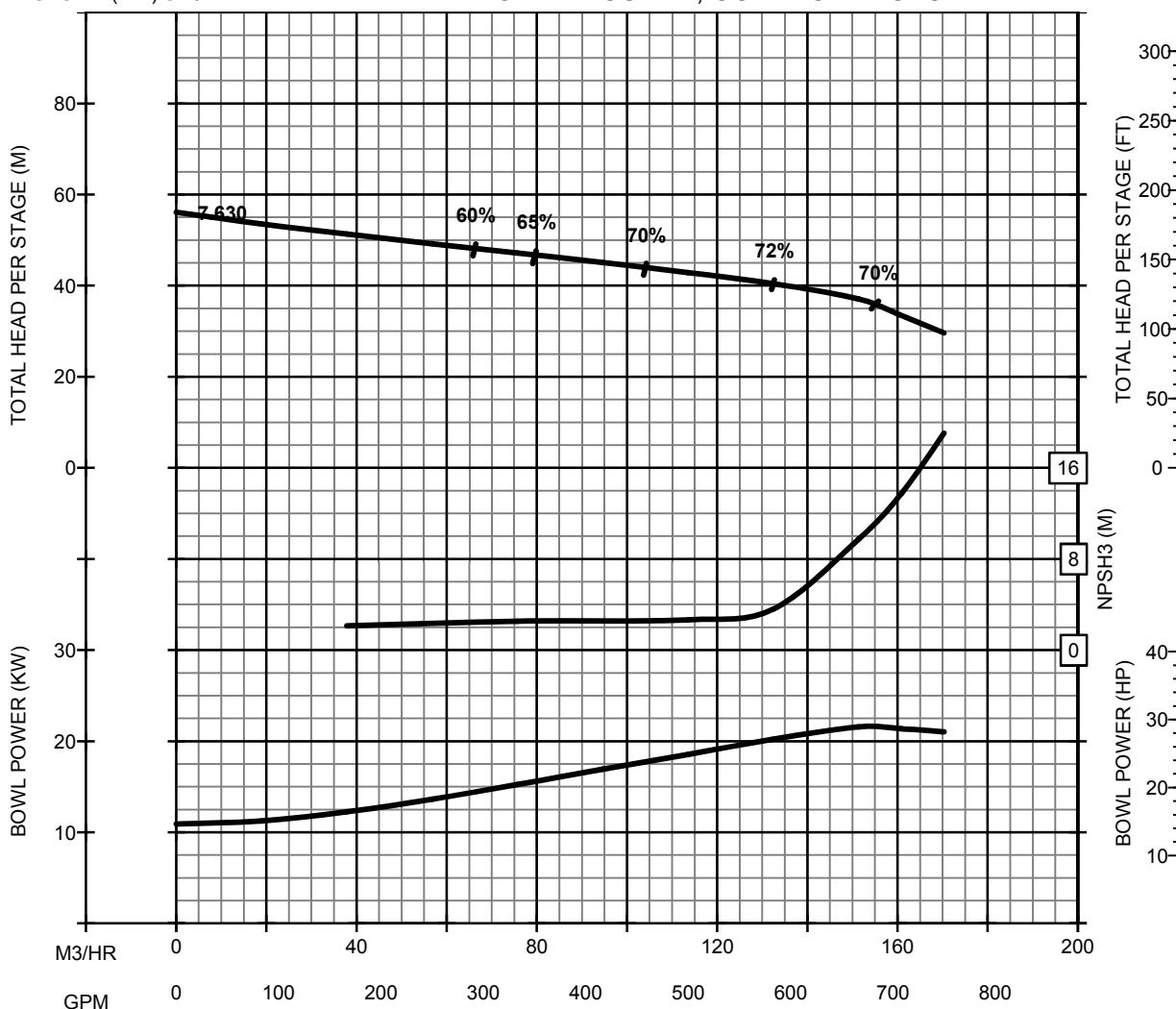


L10HC-S
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	-	-	-	-	DESIGN	M3/HR	TDH	KW	EFF
		-	-	-	-					
	NUMBER OF POINTS	-	-	-	-					

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.83	5.18	6.50	N/A	N/A	1.43	16.00	4.00		4.13	3.75	N/A

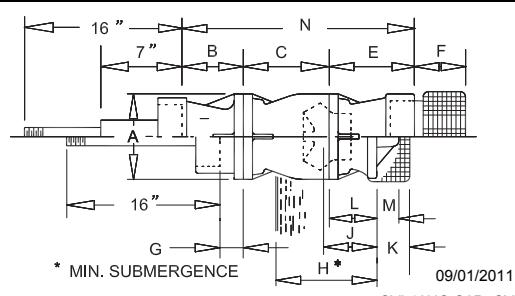
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	6"
THRUST CONSTANT:	8.80	SUCTION SIZE:	N/A
LATERAL (STD):	0.50	STD. TUBE:	2.5"
EYE AREA IN ² :	18.66	WR ² LB-FT ² :	0.44
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

LOW NPSH IMPELLER FOR 1ST STAGE ONLY



* MIN. SUBMERGENCE

09/01/2011

CVL10HC-S2P5CY

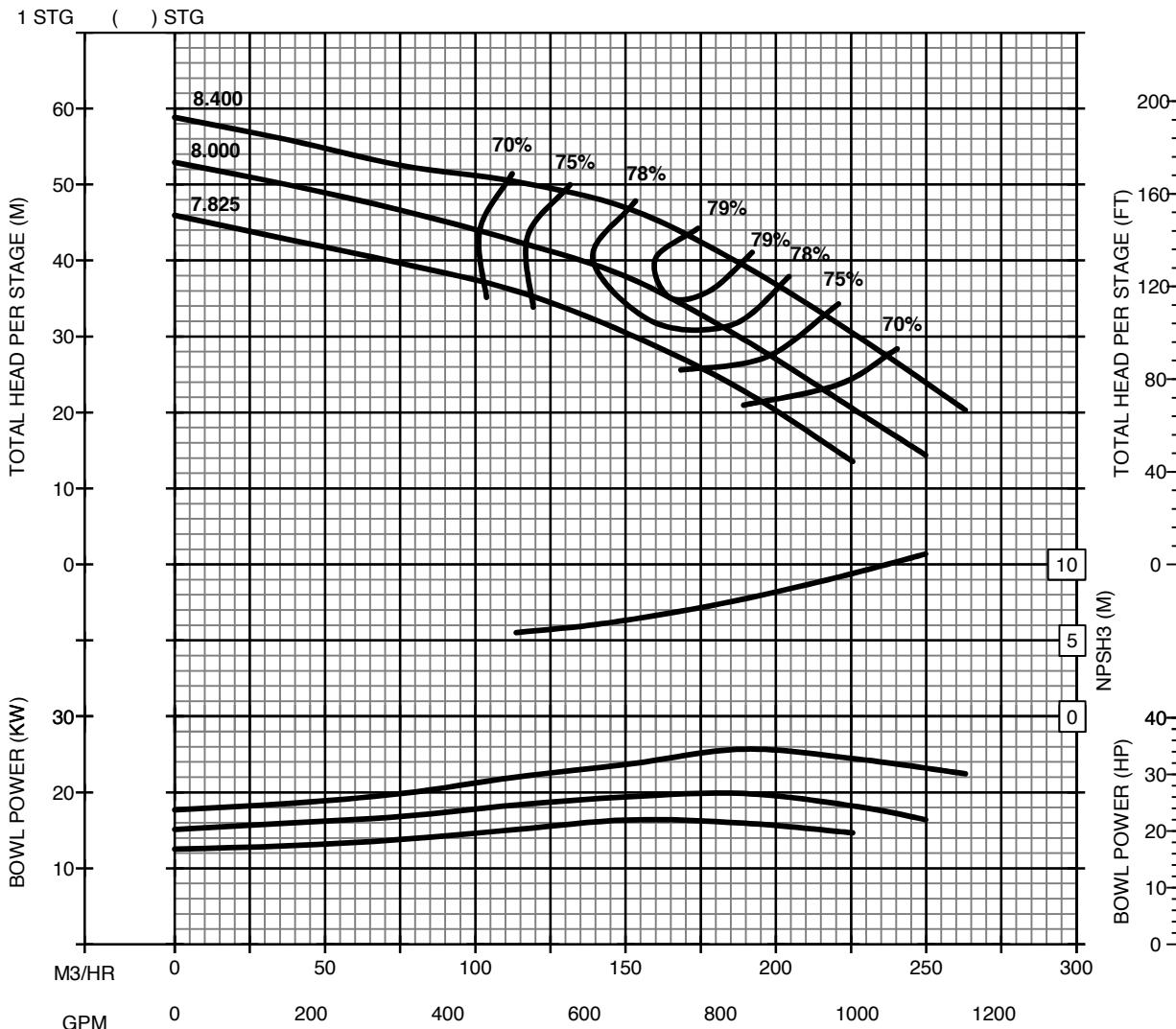
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M10LC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



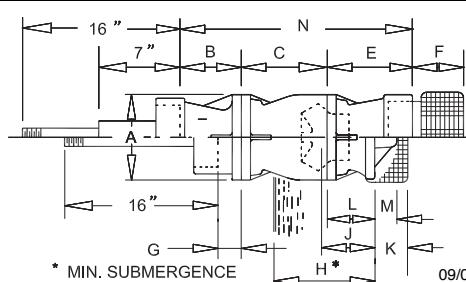
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	10.12	5.19	9.62	10.69	7.56	1.43	10.50	7.50	8.12	7.00	3.19	25.50

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	6", 8"
THRUST CONSTANT:	5.3	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.25	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



09/01/2011
CVM10LC2P5CY

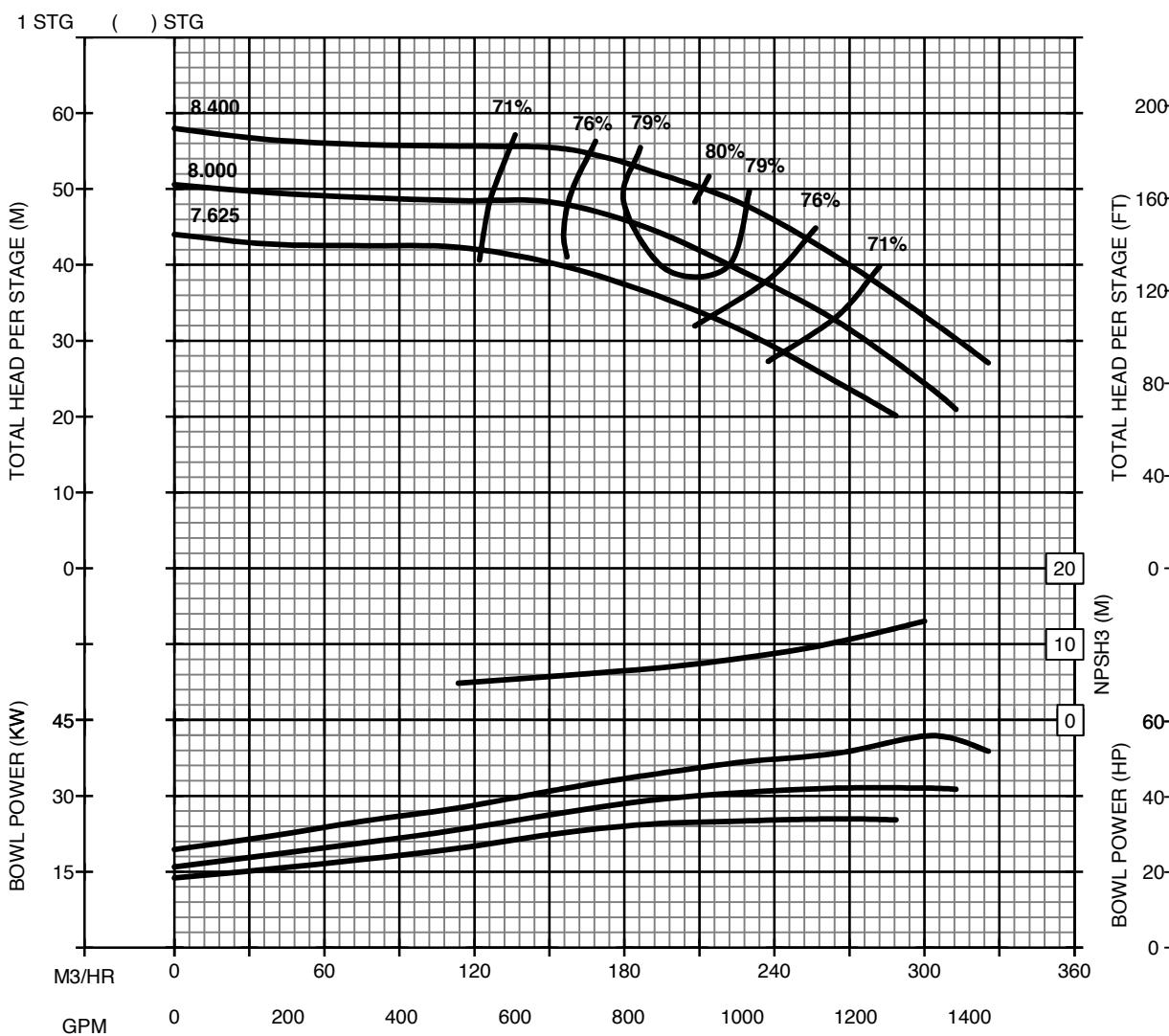
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
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NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M10HC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



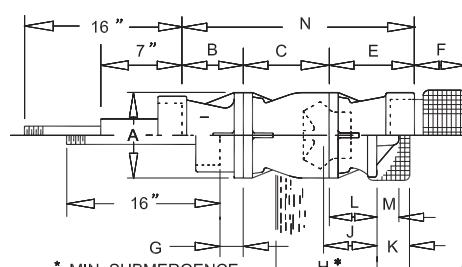
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	10.12	5.31	9.62	10.69	7.58	1.43	10.50	7.50	8.12	7.00	3.12	25.62

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	6", 8"
THRUST CONSTANT:	5.4	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.25	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVM10HC2P5CY

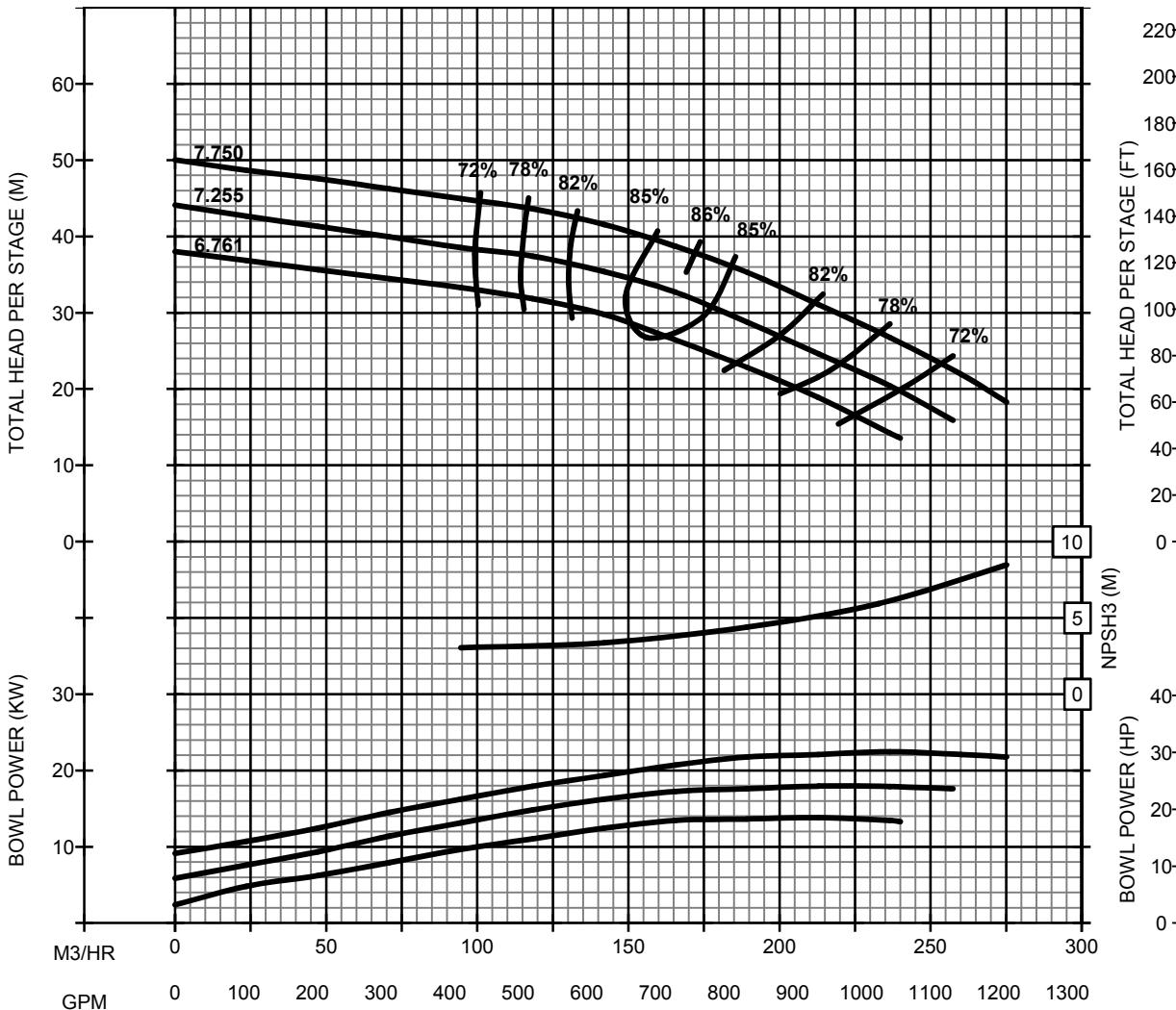
PERFORMANCE BASED ON
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NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K10LC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						

1 STG () STG



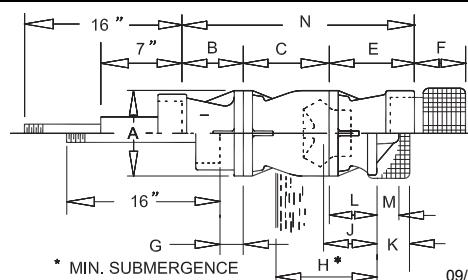
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.8	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	170 ADD STG WT LB: 68

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



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09/01/2011
CVK10LC2P5CY

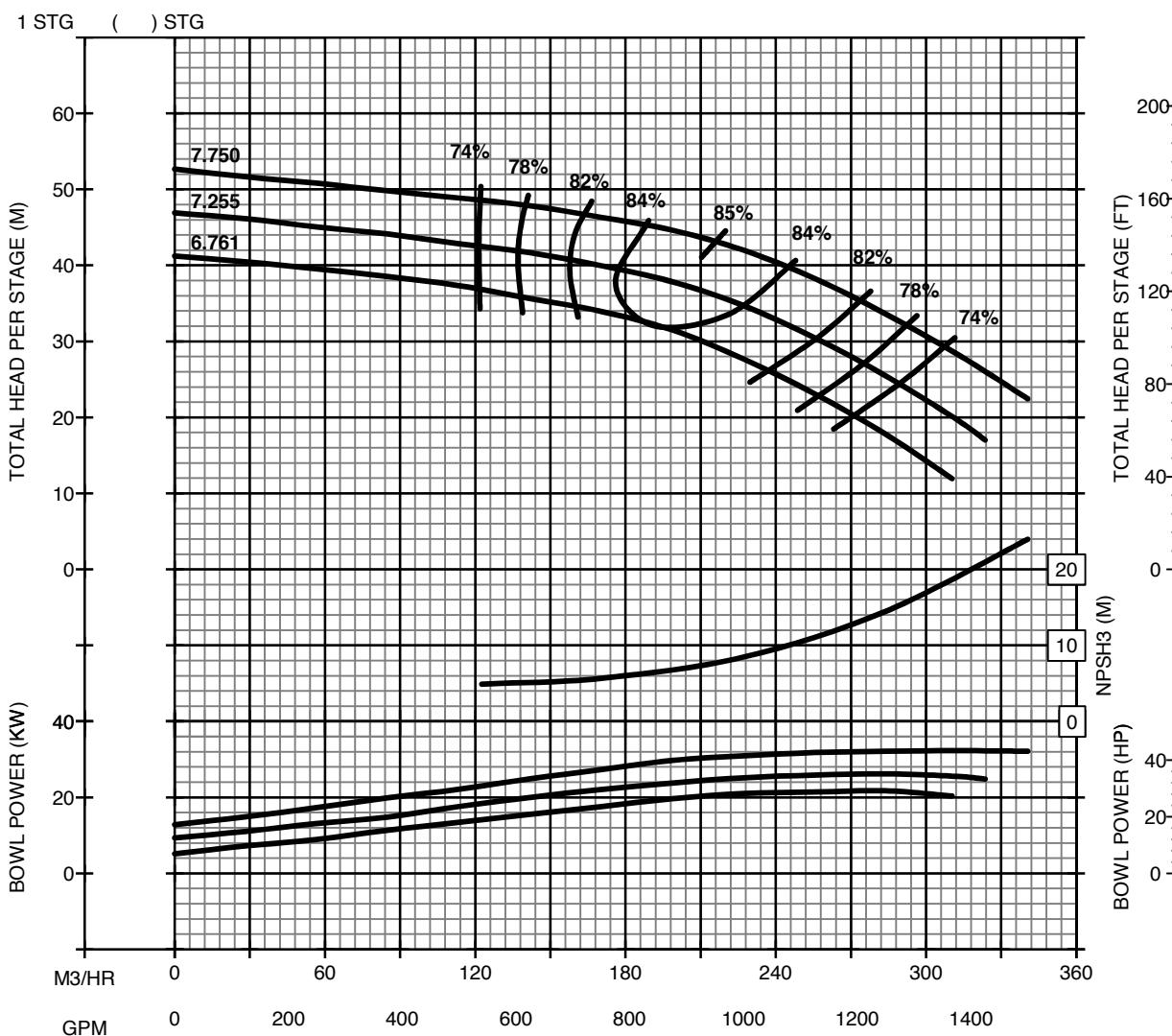
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K10MC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



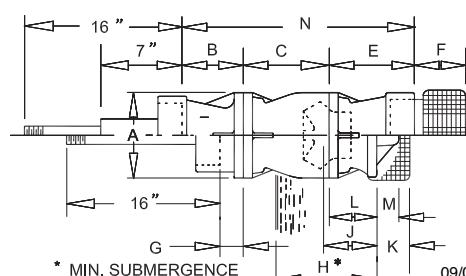
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.8	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	170 ADD STG WT LB: 68

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

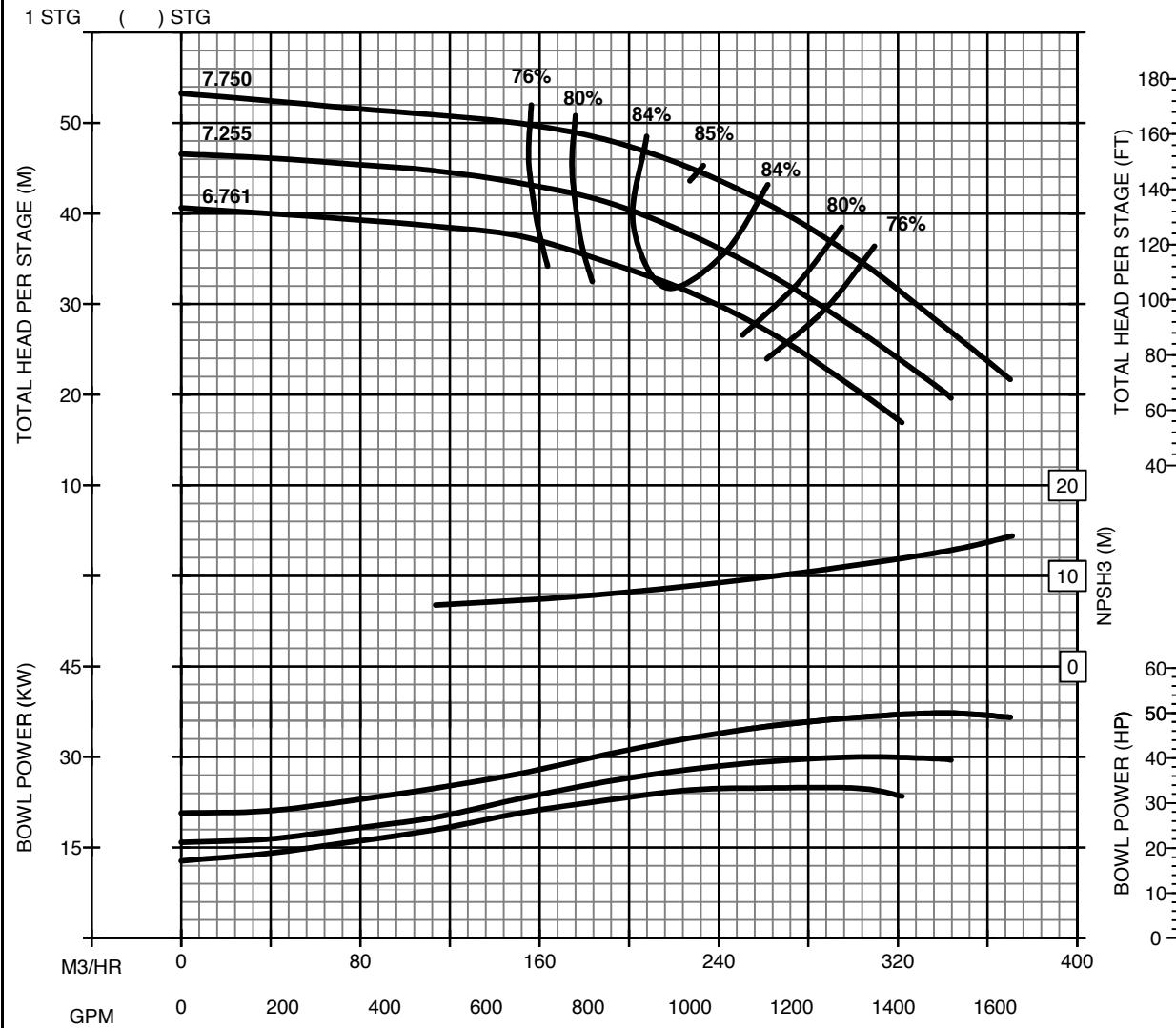


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K10HC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



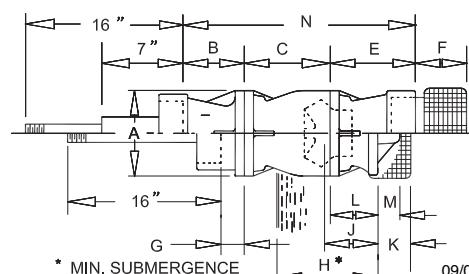
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.8	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	170 ADD STG WT LB: 68

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
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* MIN. SUBMERGENCE
09/01/2011
CVK10HC2P5CY

CURVE TEMPLATE 08.05.2011

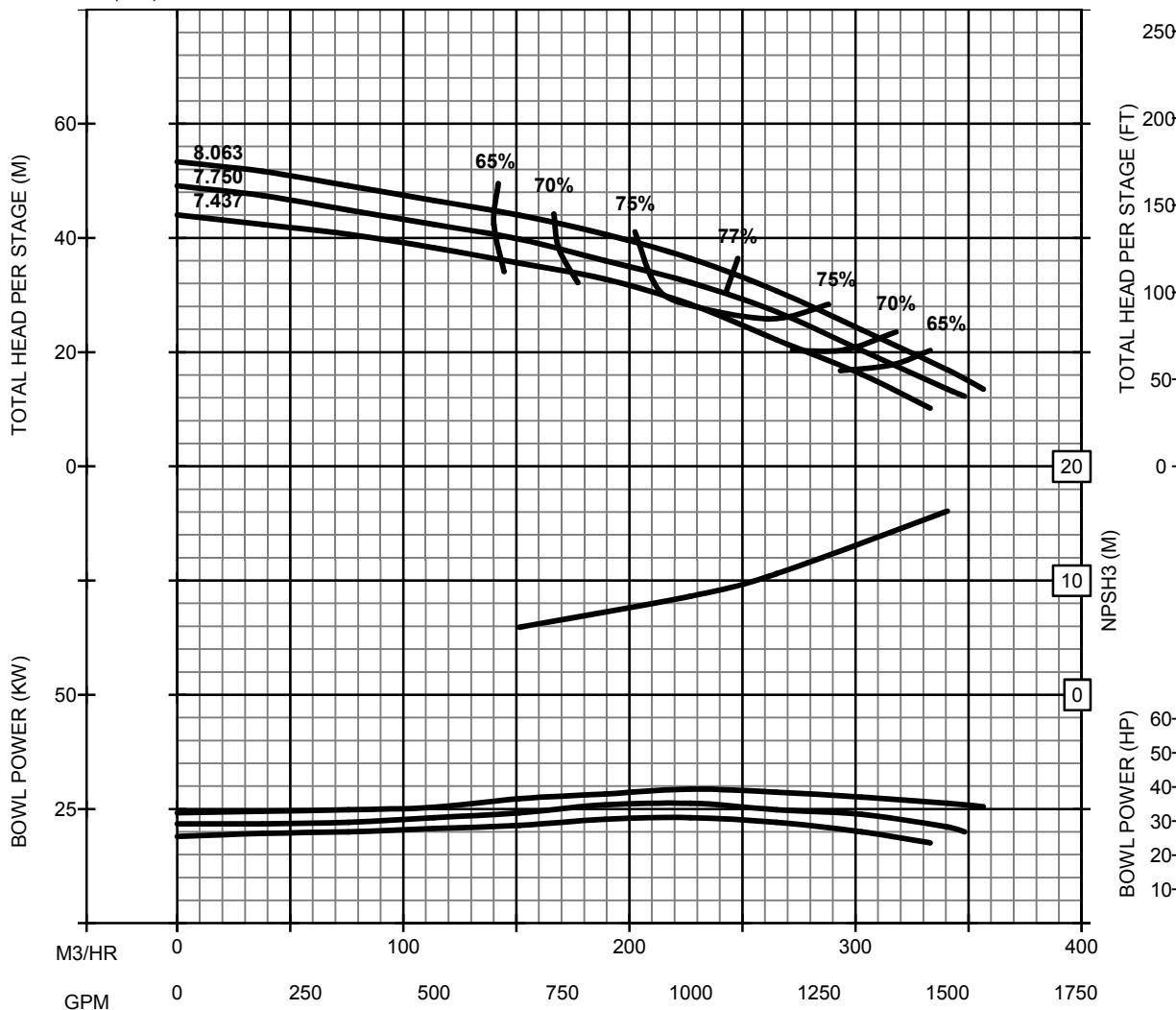
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H10MC
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



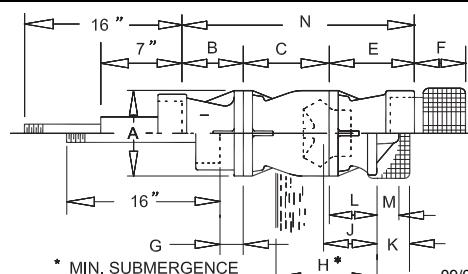
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.31	9.62	8.19	7.56	1.43	12.50	8.50	N/A	N/A	N/A	23.12

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	6", 8"
THRUST CONSTANT:	6.9	SUCTION SIZE:	6"
LATERAL (STD):	1.25	STD. TUBE:	2.5"
EYE AREA IN ² :	16.89	WR ² LB-FT ² :	0.75
SHAFT DIA:	1.50	1ST STG WT LB:	210 ADD STG WT LB: 80

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

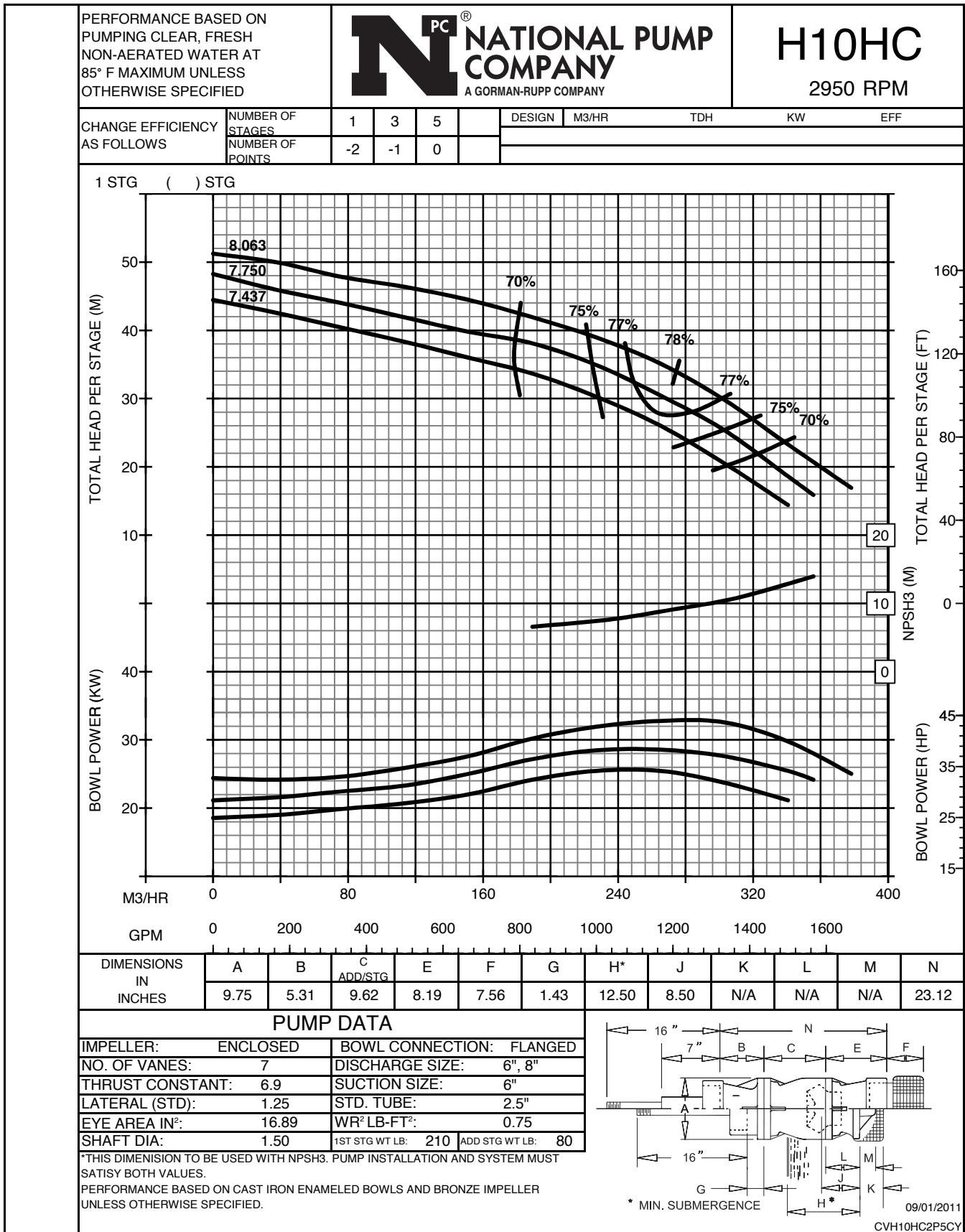
PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



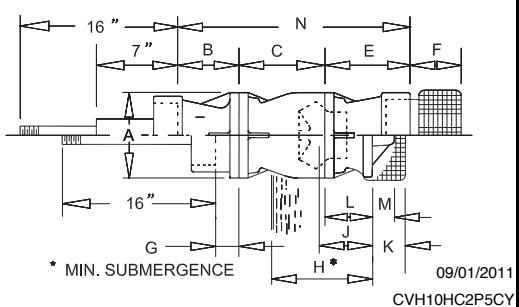
* MIN. SUBMERGENCE

09/01/2011

CVH10MC2P5CY



CURVE TEMPLATE 08.05.2011



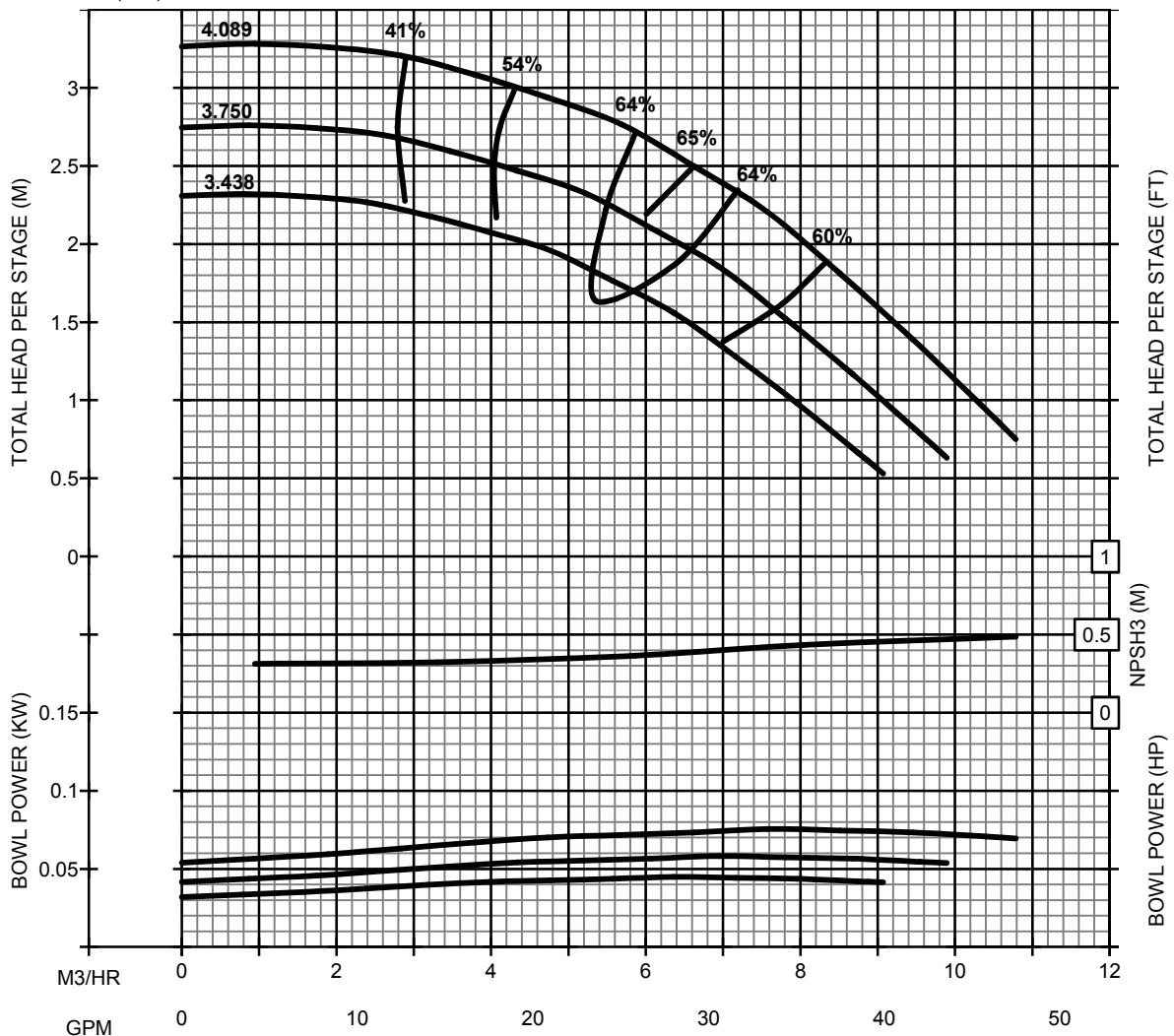
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



L6LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



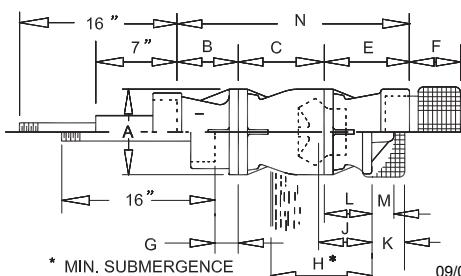
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	N/A	3.75	N/A	N/A	2.69	8.00	3.19	N/A	3.00	3.38	12.81

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	4"
THRUST CONSTANT:	1.20	SUCTION SIZE:	BELL
LATERAL (STD):	0.19	STD. TUBE:	N/A
EYE AREA IN ² :	5.38	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.0	1ST STG WT LB:	46
		ADD STG WT LB:	16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVL6LC4P5CY

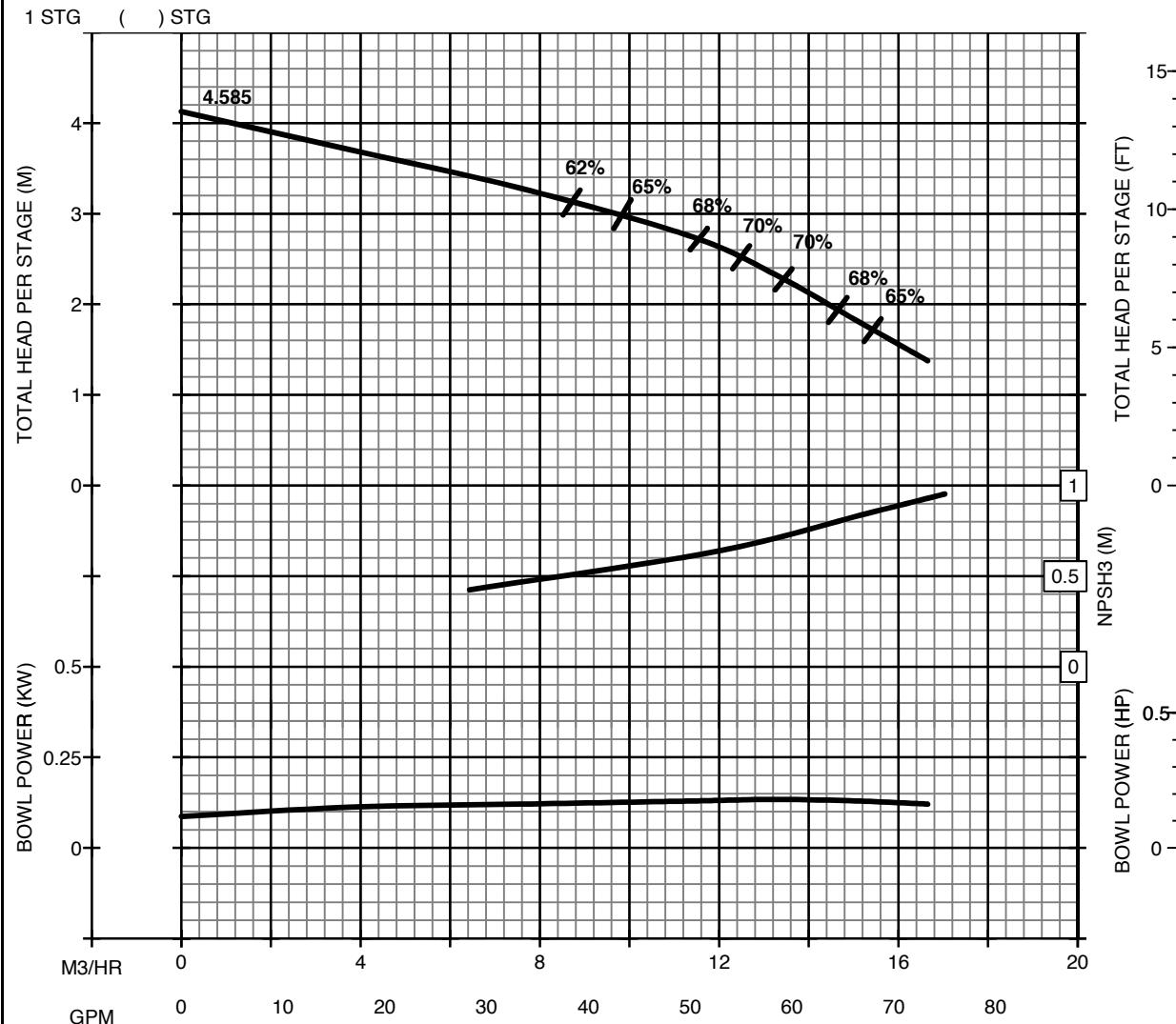
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-2	-1	0					



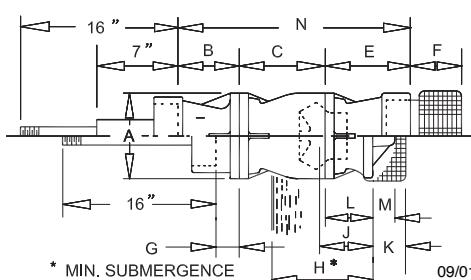
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	5	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVM6LC4P5CY

CURVE TEMPLATE 08.05.2011

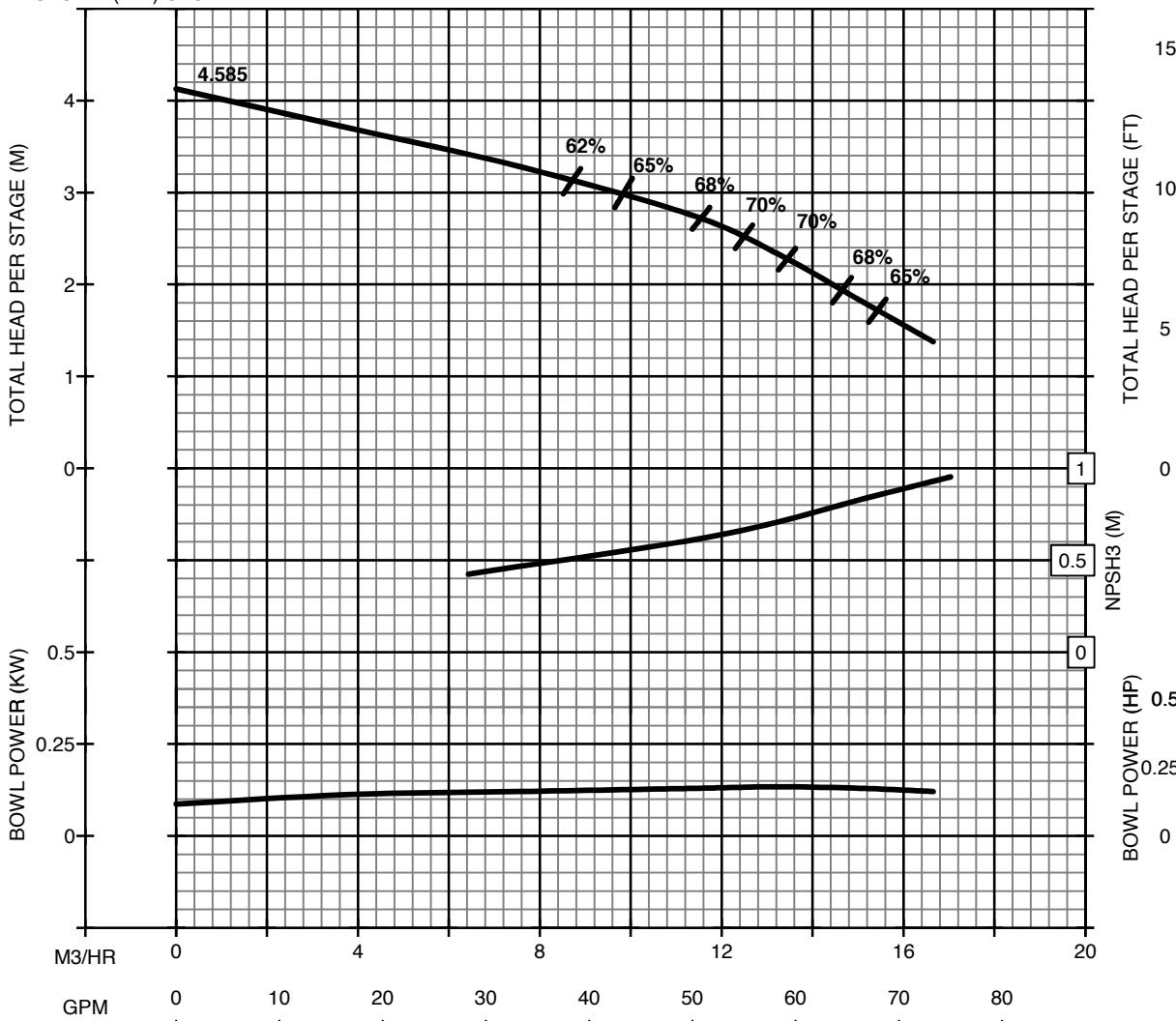
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6LO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



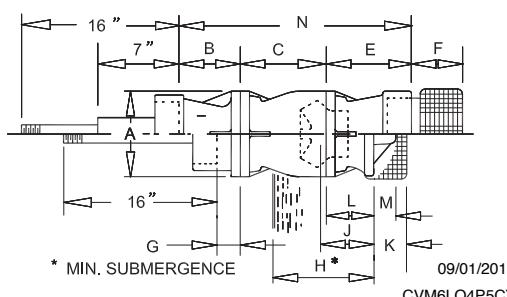
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	THREADED
NO. OF VANES:	5	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



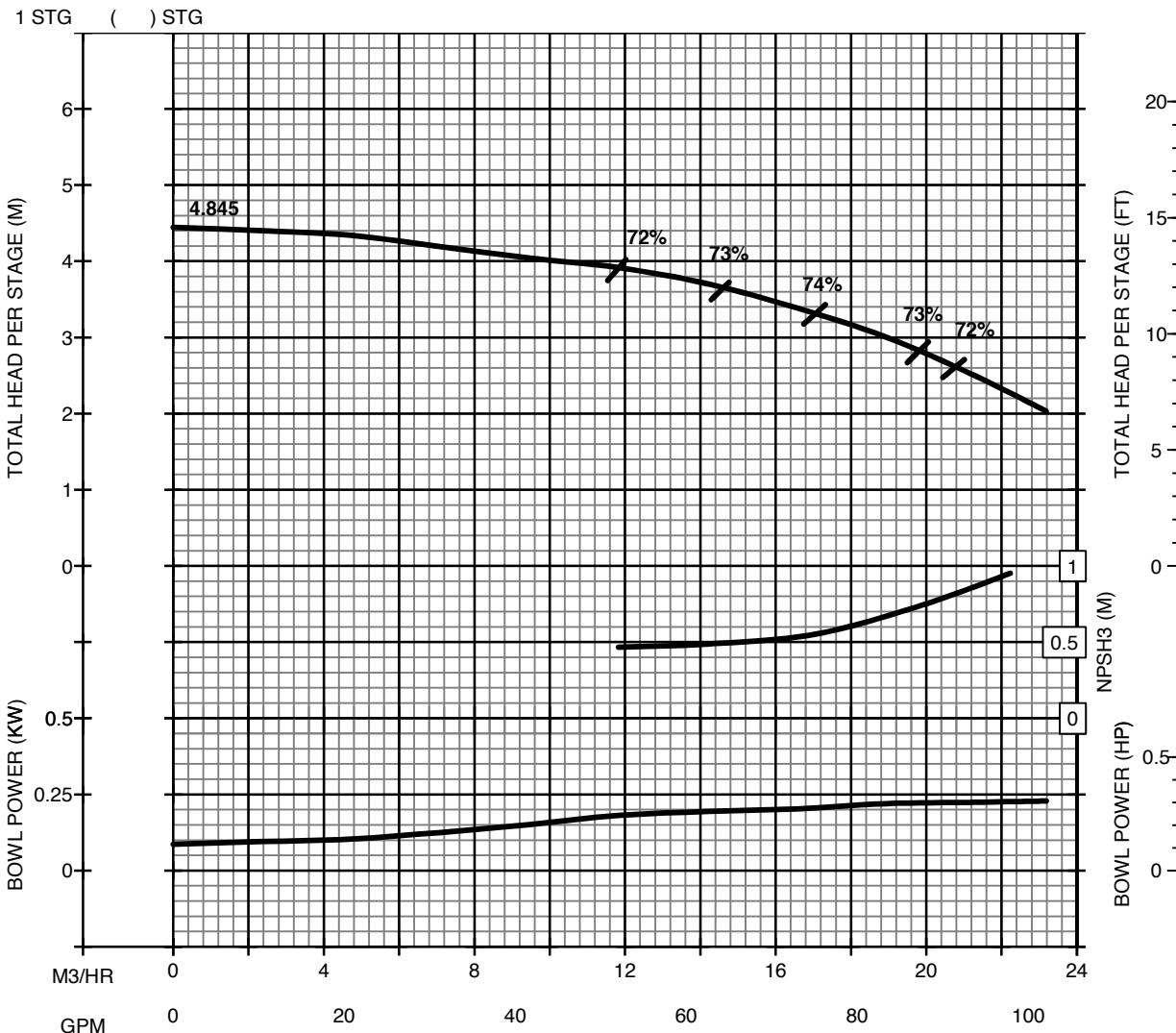
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



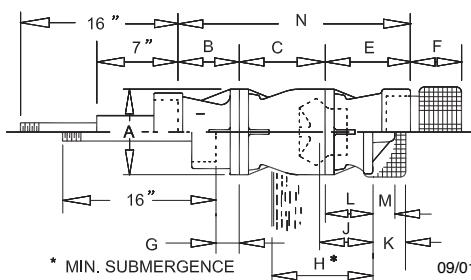
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	6	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

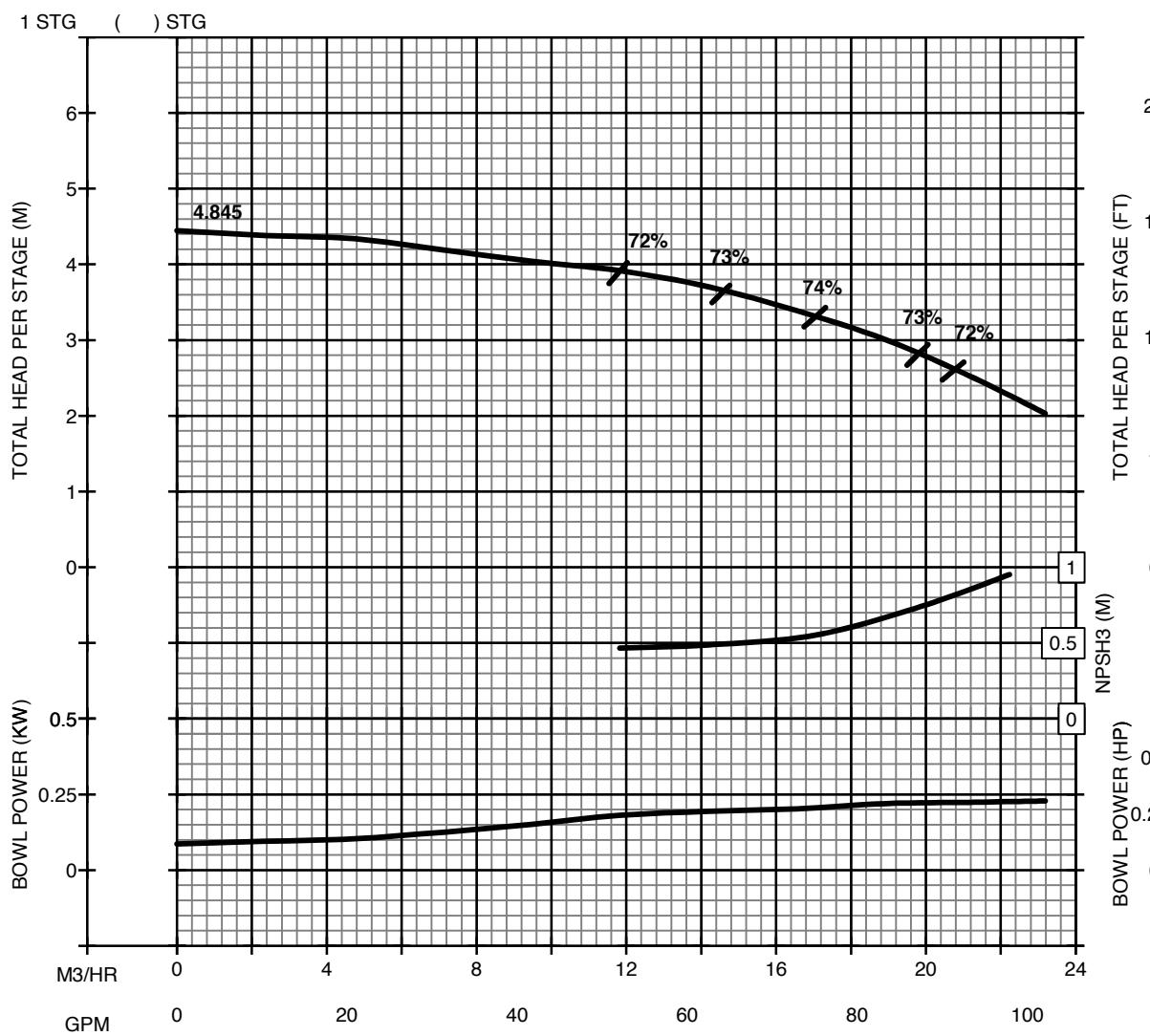


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6MO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



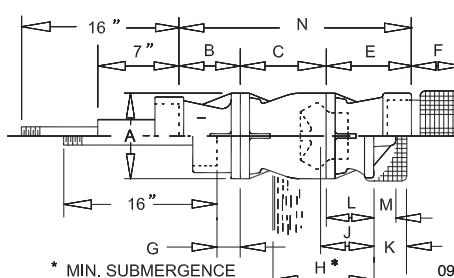
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	THREADED
NO. OF VANES:	6	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

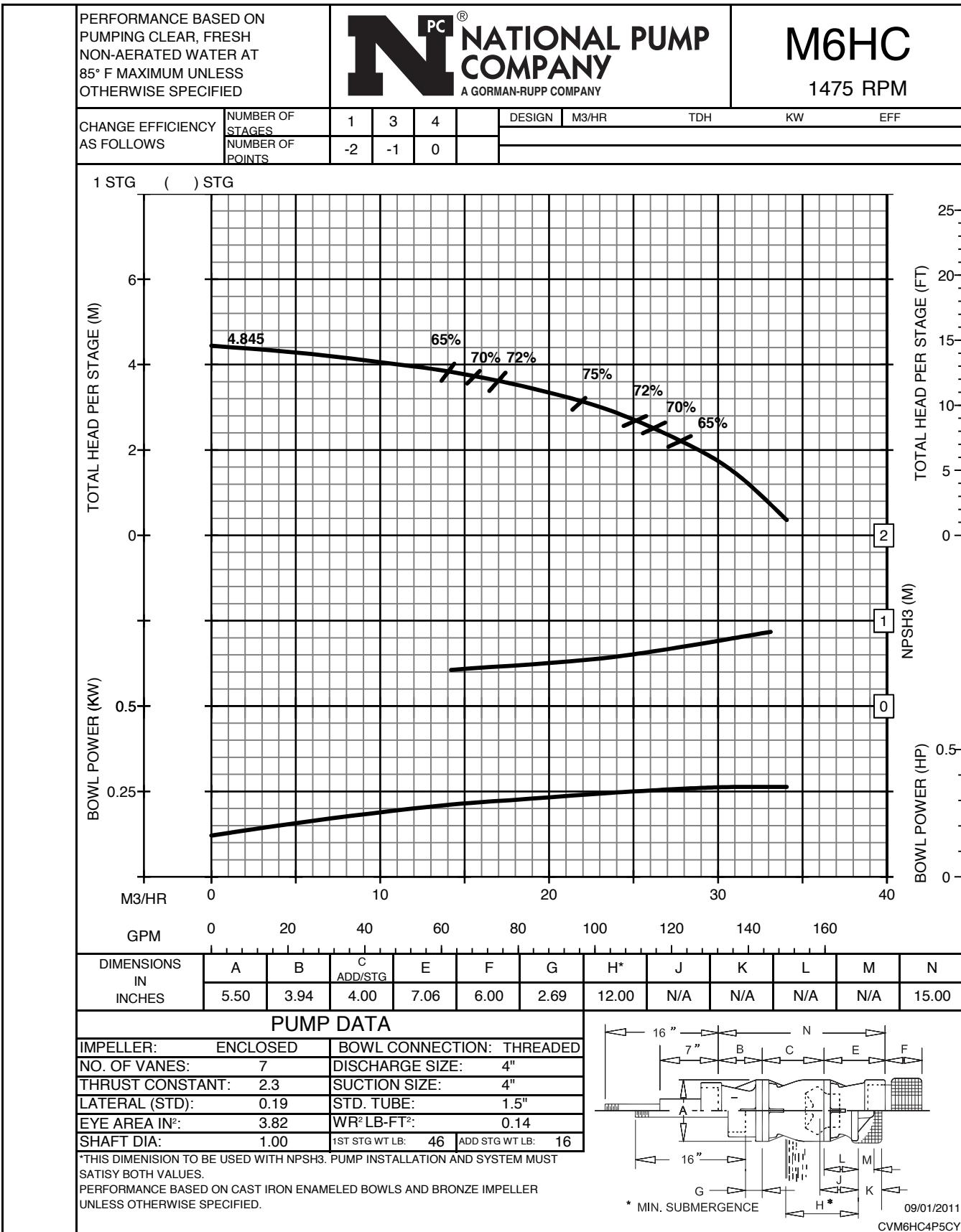
*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVM6MO4P5CY

CURVES 1475



CURVE TEMPLATE 08.05.2011

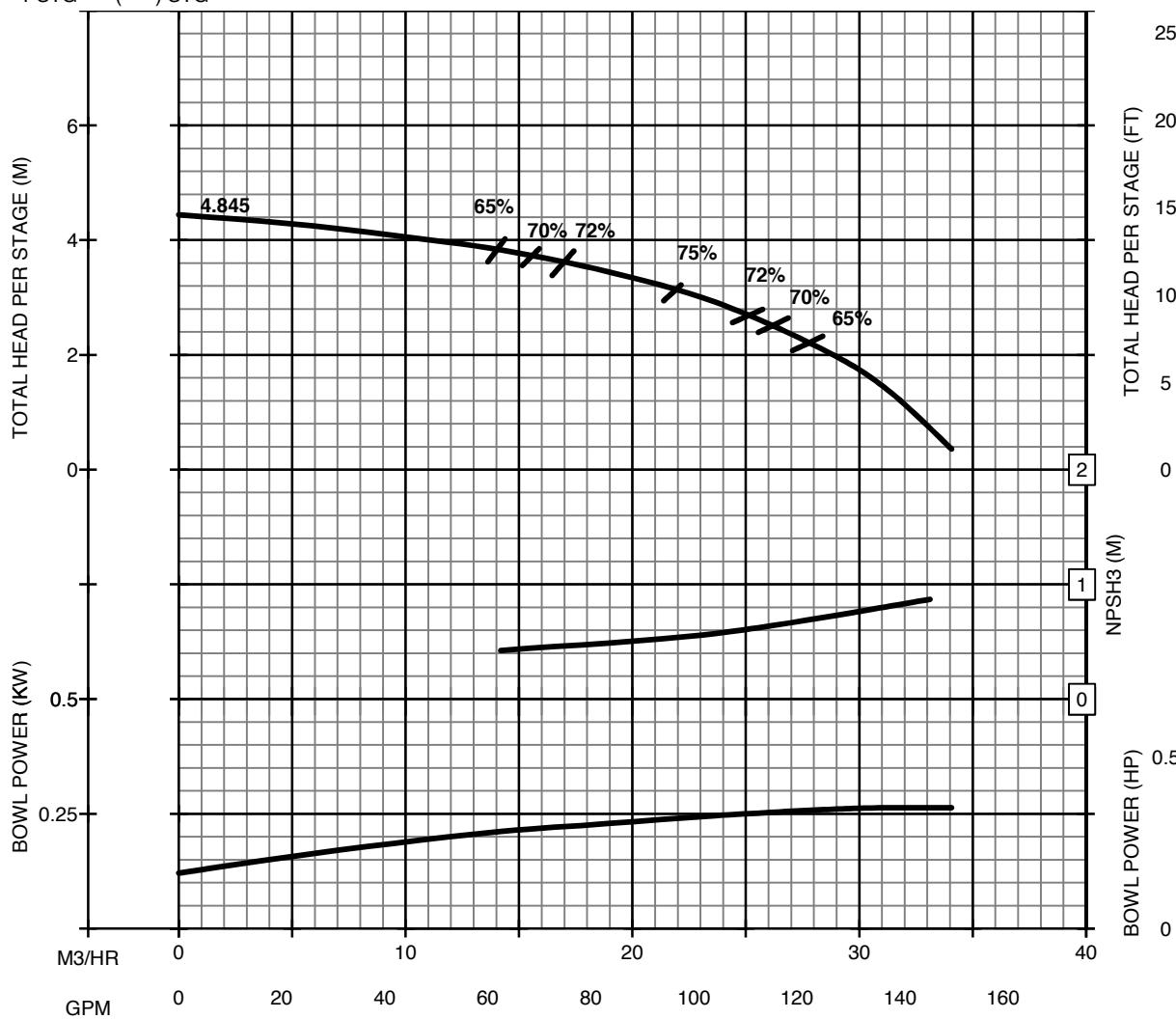
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M6HO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



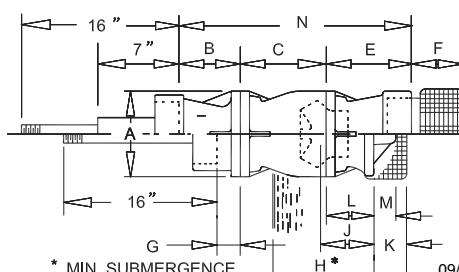
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	THREADED
NO. OF VANES:	7	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN ² :	3.82	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	46 ADD STG WT LB: 16

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVM6HO4P5CY

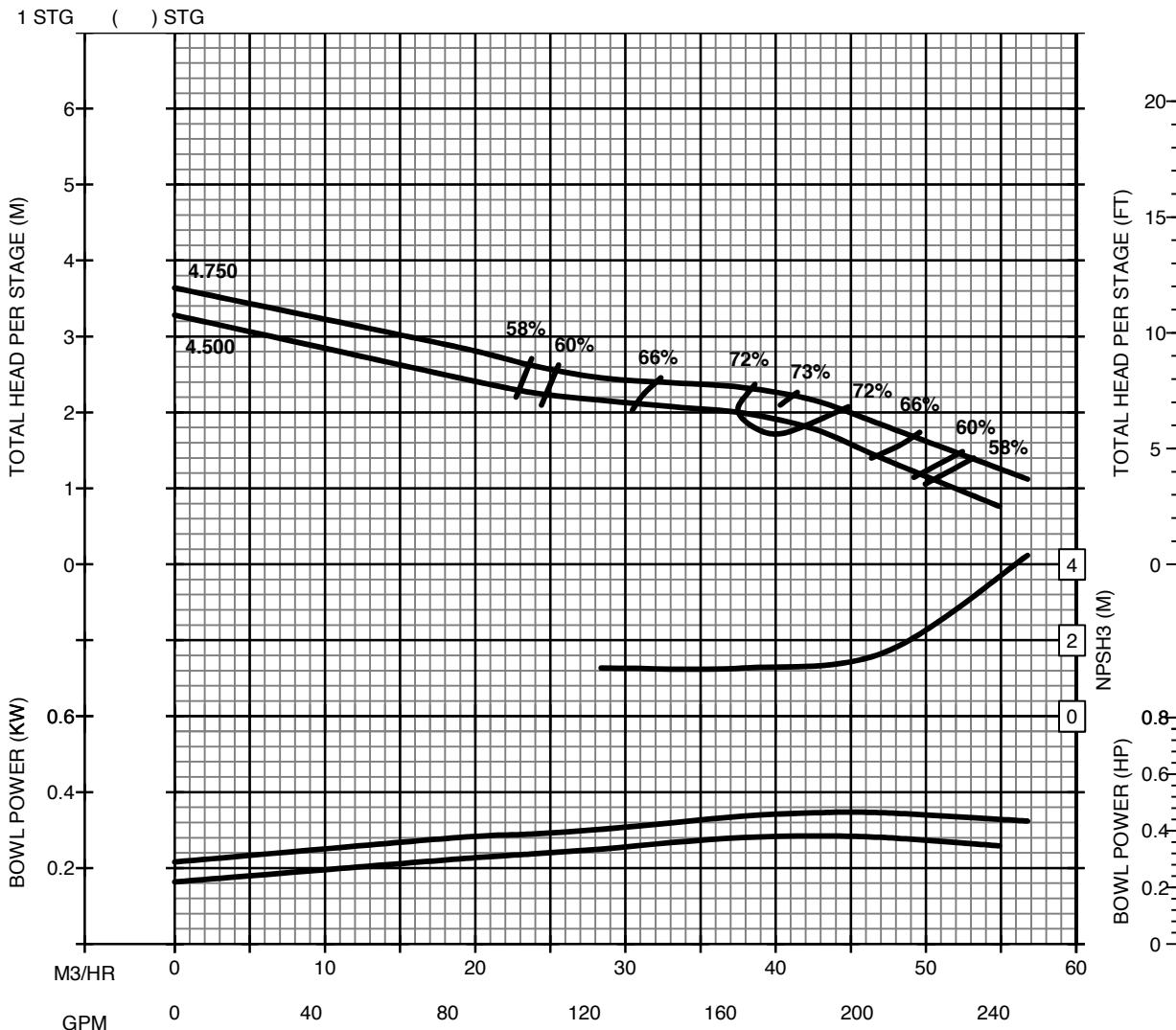
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E6XHC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



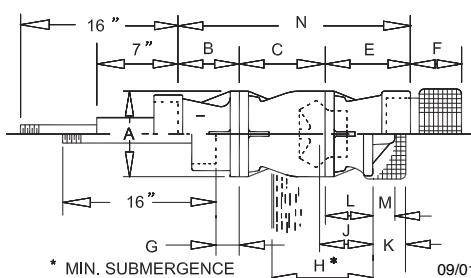
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.62	3.94	6.19	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	18.75

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	8	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.90	SUCTION SIZE:	4"
LATERAL (STD):	0.188	STD. TUBE:	1.5"
EYE AREA IN ² :	7.12	WR ² LB-FT ² :	0.14
SHAFT DIA:	1.00	1ST STG WT LB:	60 ADD STG WT LB: 25

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

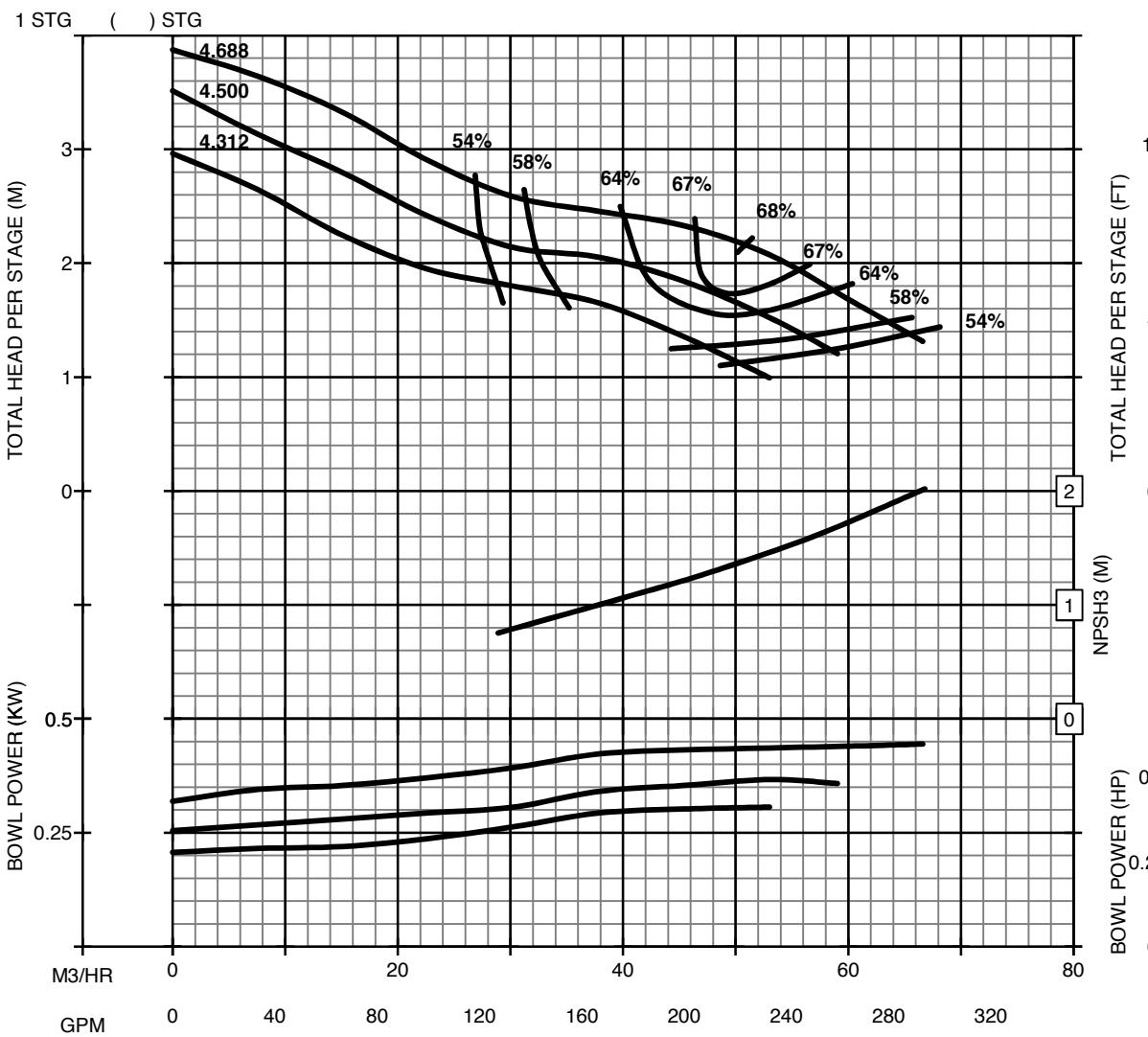


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85°F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J6HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



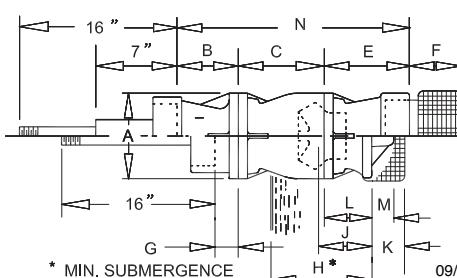
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.62	3.00	4.75	6.00								

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	4.0"
THRUST CONSTANT:	4.1	SUCTION SIZE:	4.0"
LATERAL (STD):	0.25	STD. TUBE:	1.5"
EYE AREA IN ² :	7.50	WR ² LB-FT ² :	0.16
SHAFT DIA:	1.0	1ST STG WT LB:	75 ADD STG WT LB: 15

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVJ6HC4P5CY

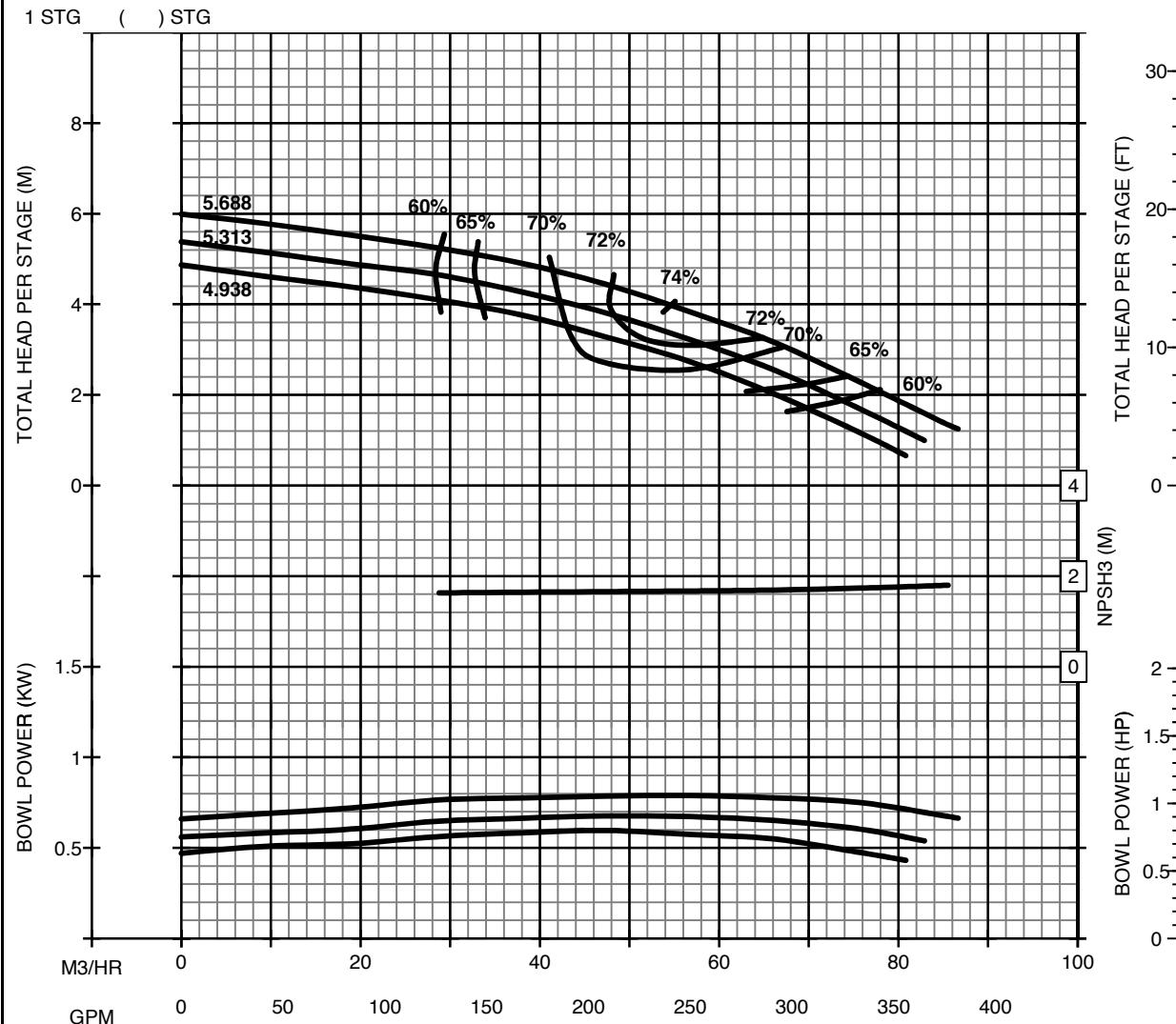
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H7LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.0	5.5	6.75	8.25	6.56	1.12	16.5	8.75	N/A	N/A	N/A	20.5

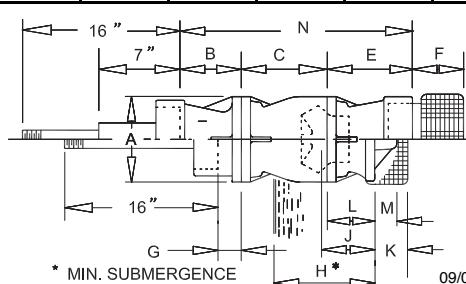
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.2	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	9.07	WR ² LB-FT ² :	0.25
SHAFT DIA:	1.25	1ST STG WT LB:	95 ADD STG WT LB: 35

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

** IF 6" DISCHARGE CASE OR 6" SUCTION CASE IS USED, THIS DIMENSION IS 7.25"



* MIN. SUBMERGENCE
09/01/2011
CVH7LC4P5CY

CURVE TEMPLATE 08.05.2011

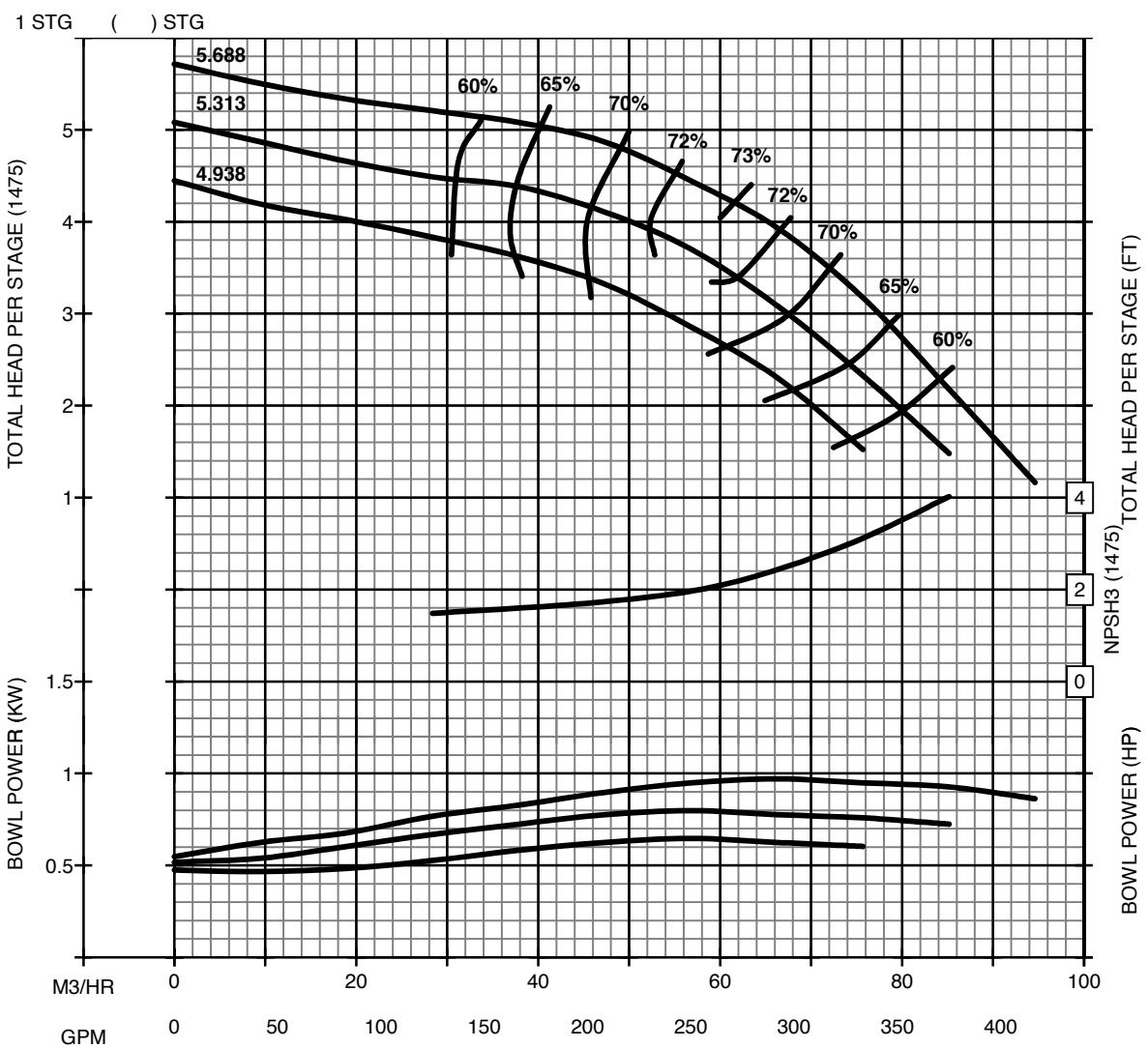
175
CURVES

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H7HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.0	5.5	6.75	8.25	6.56	1.12	16.5	8.75	N/A	N/A	N/A	20.5

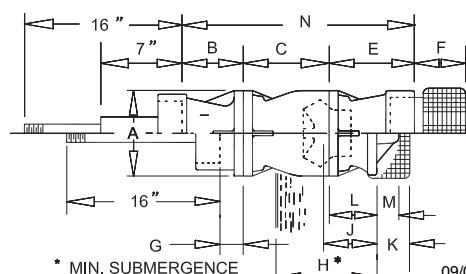
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.2	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	9.09	WR ² LB-FT ² :	0.25
SHAFT DIA:	1.25	1ST STG WT LB:	95 ADD STG WT LB: 35

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

** IF 6" DISCHARGE CASE OR 6" SUCTION CASE IS USED, THIS DIMENSION IS 7.25"



* MIN. SUBMERGENCE
09/01/2011
CVH7HC4P5CY

CURVE TEMPLATE 08.05.2011

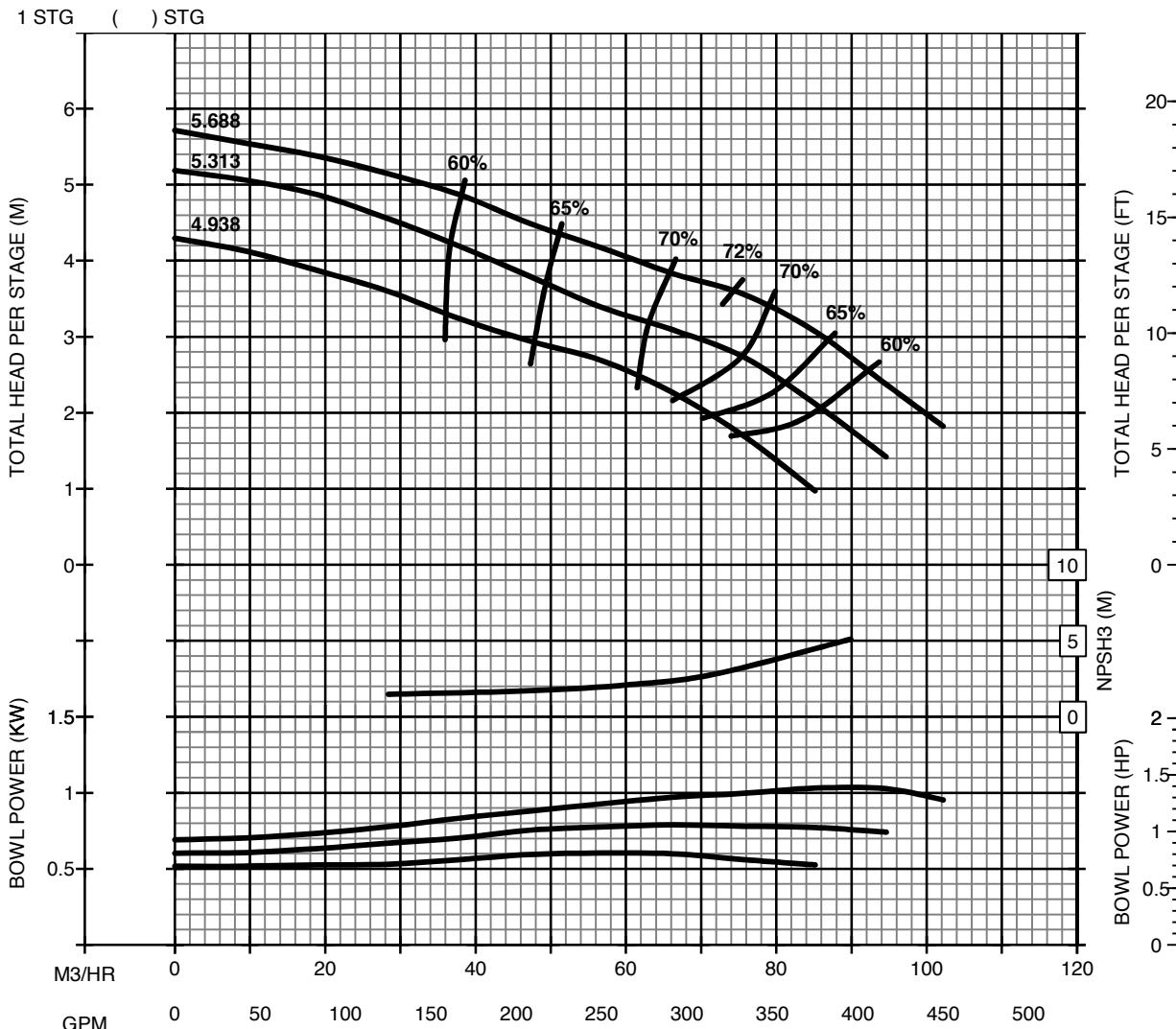


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H7XHC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-2	-1	0					



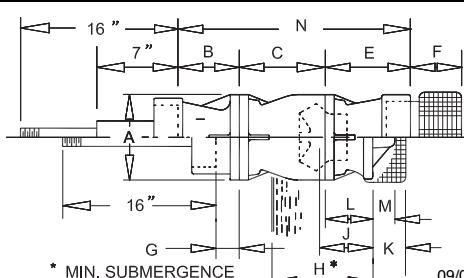
DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.0	5.5	6.75	8.25	6.56	1.12	16.5	8.75	N/A	N/A	N/A	20.5

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.2	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	10.7	WR ² LB-FT ² :	0.25
SHAFT DIA:	1.25	1ST STG WT LB:	95 ADD STG WT LB: 35

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVH7XHC4P5CY

CURVE TEMPLATE 08.05.2011

1475
CURVES

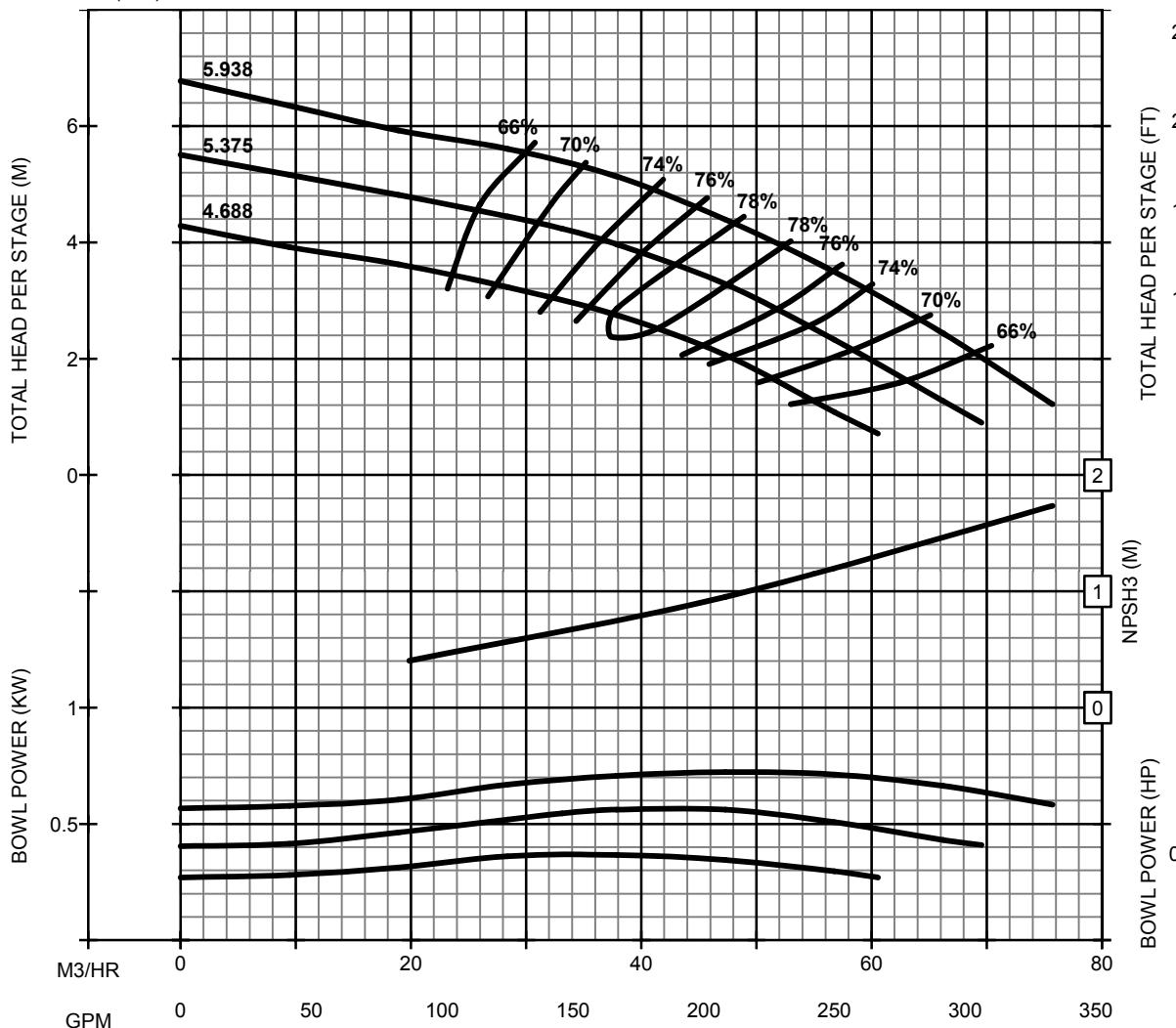
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K8LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



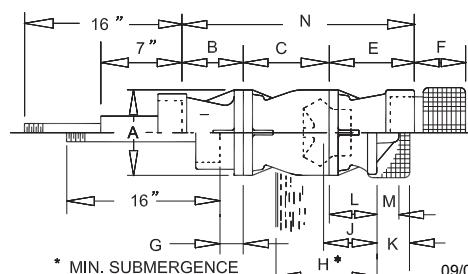
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.63	5.53	6.50	8.38	6.56	1.12	14.50	6.00	6.12	5.52	2.50	20.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.73	SUCTION SIZE:	5"
LATERAL (STD):	0.688	STD. TUBE:	2"
EYE AREA IN ² :	7.742	WR ² LB-FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	85 ADD STG WT LB: 36

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K8HC
1475 RPM

CHANGE EFFICIENCY
AS FOLLOWS

NUMBER OF
STAGES
NUMBER OF
POINTS

1

3

4

DESIGN

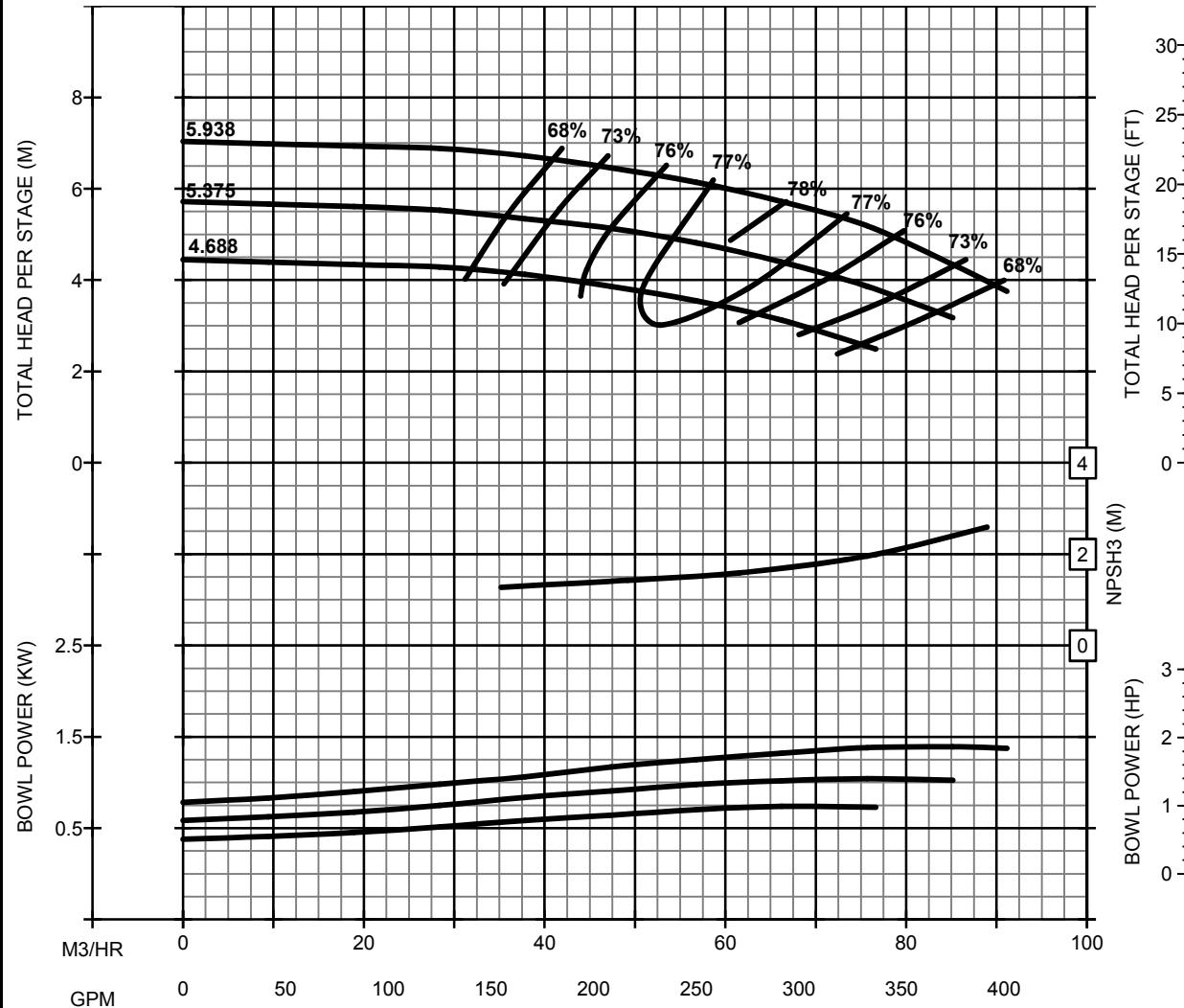
M3/HR

TDH

KW

EFF

1 STG () STG



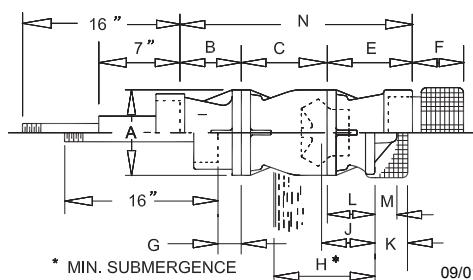
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.63	5.53	6.50	8.38	6.56	1.12	14.50	6.00	6.12	5.52	2.50	20.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.73	SUCTION SIZE:	5"
LATERAL (STD):	0.688	STD. TUBE:	2"
EYE AREA IN ² :	7.742	WR ² LB-FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	85 ADD STG WT LB: 36

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVK8HC4P5CY

CURVE TEMPLATE 08.05.2011



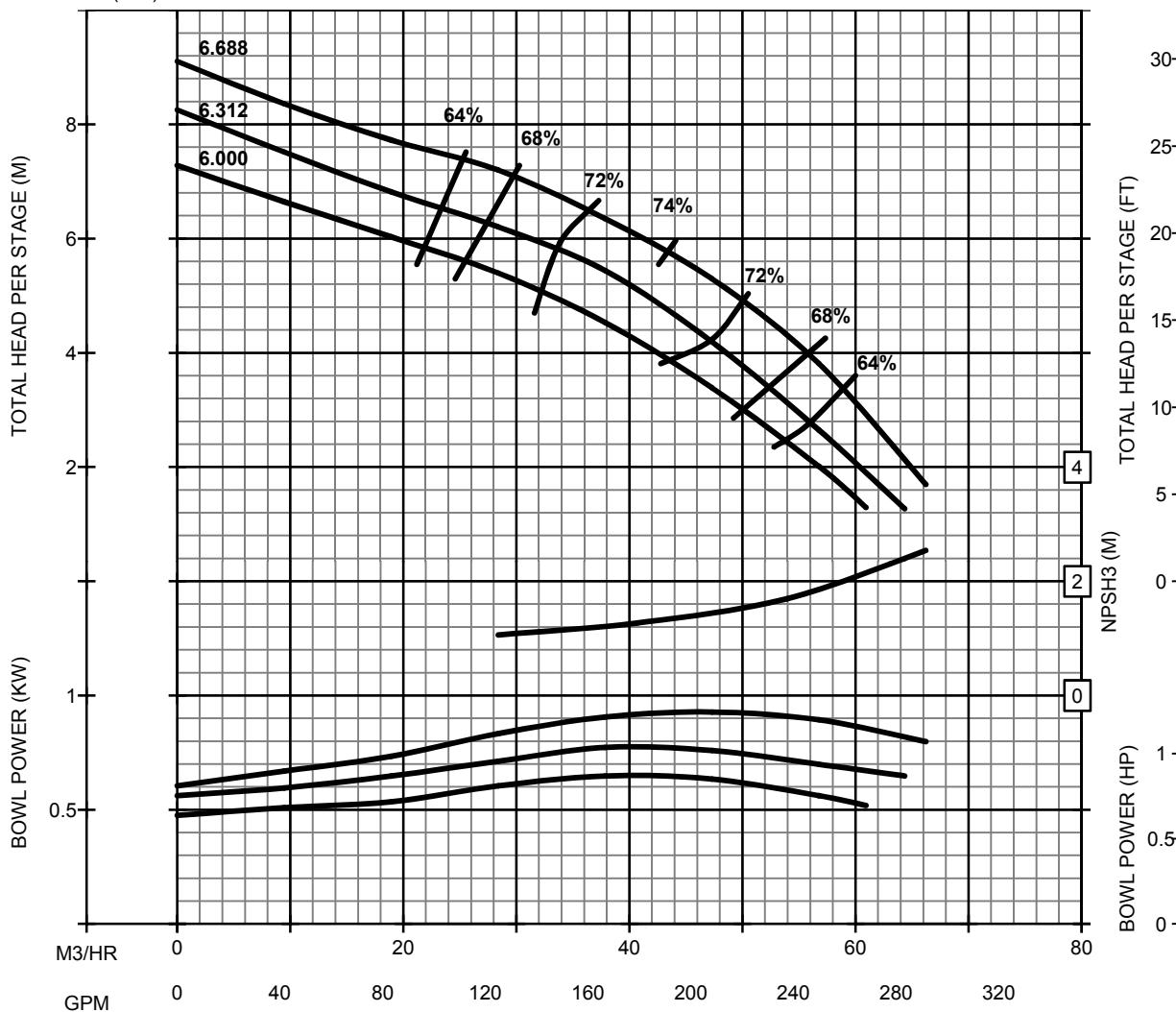
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8XLC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



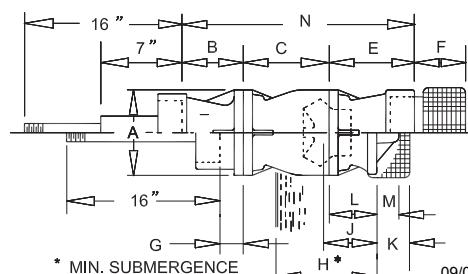
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	4	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.0	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	7.72	WR ² LB·FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	102
		ADD STG WT LB:	40

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVM8XLC4P5CY

CURVE TEMPLATE 08.05.2011

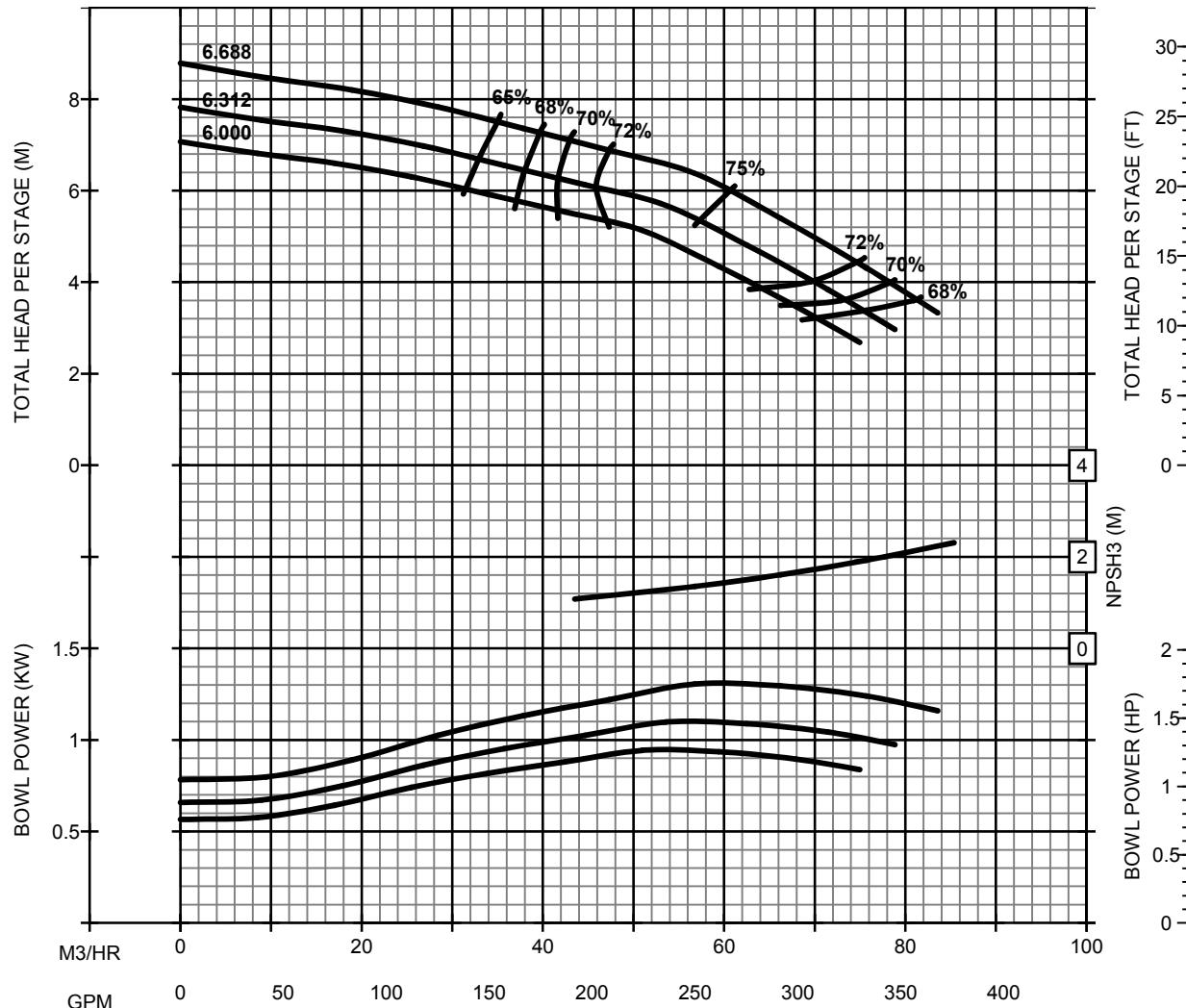
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5	DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0					

1 STG () STG



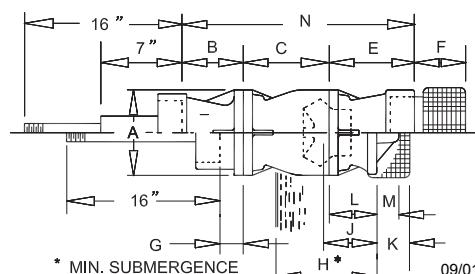
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.0	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	8.74	WR ² LB-FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	102 ADD STG WT LB: 40

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



CVM8MC4P5CY

CURVE TEMPLATE 08.05.2011

1475
CURVES

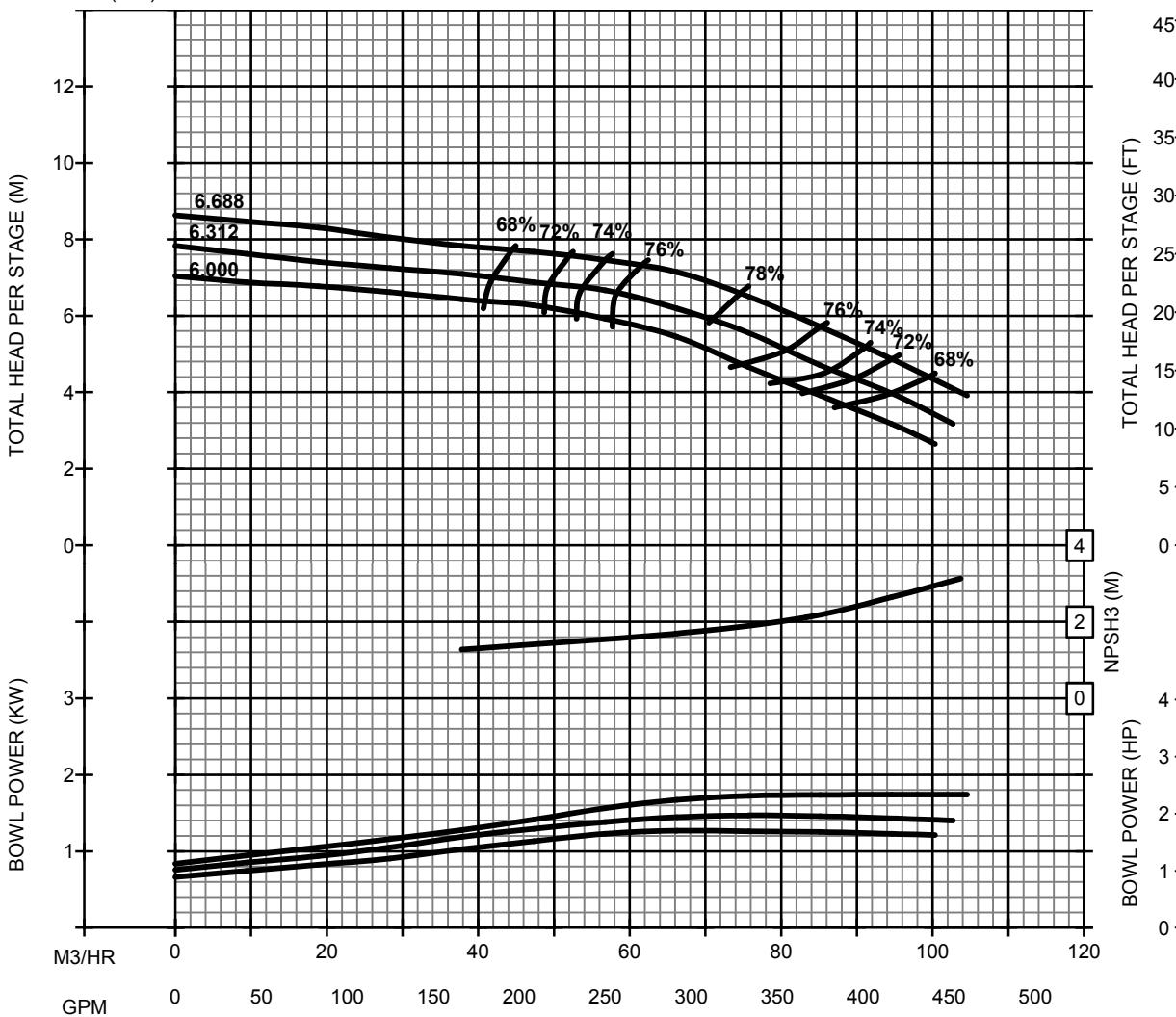
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



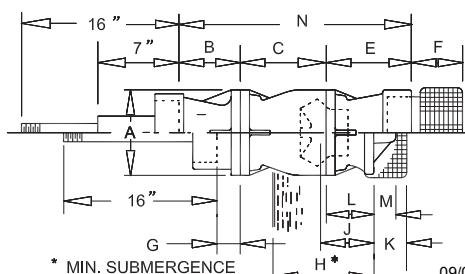
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.0	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN ² :	8.74	WR ² LB·FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	102 ADD STG WT LB: 40

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVM8HC4P5CY

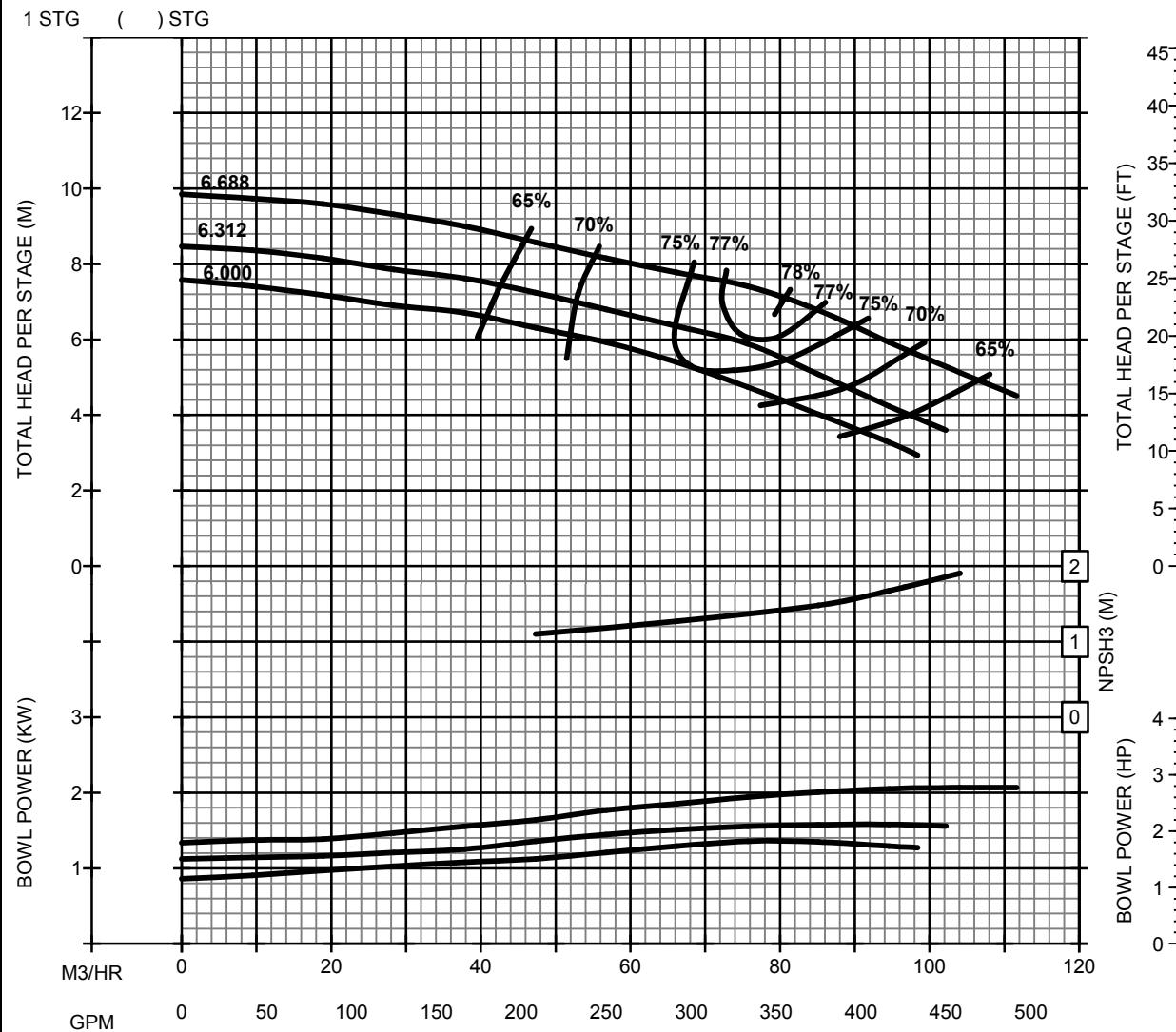
CURVES 1475

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M8XHC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



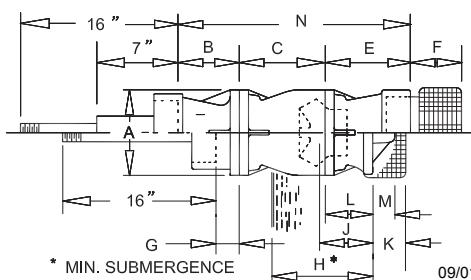
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.9	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.62	STD. TUBE:	2"
EYE AREA IN ² :	10.7	WR ² LB-FT ² :	0.32
SHAFT DIA:	1.25	1ST STG WT LB:	102 ADD STG WT LB: 40

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVM8XHC4P5CY

CURVE TEMPLATE 08.05.2011

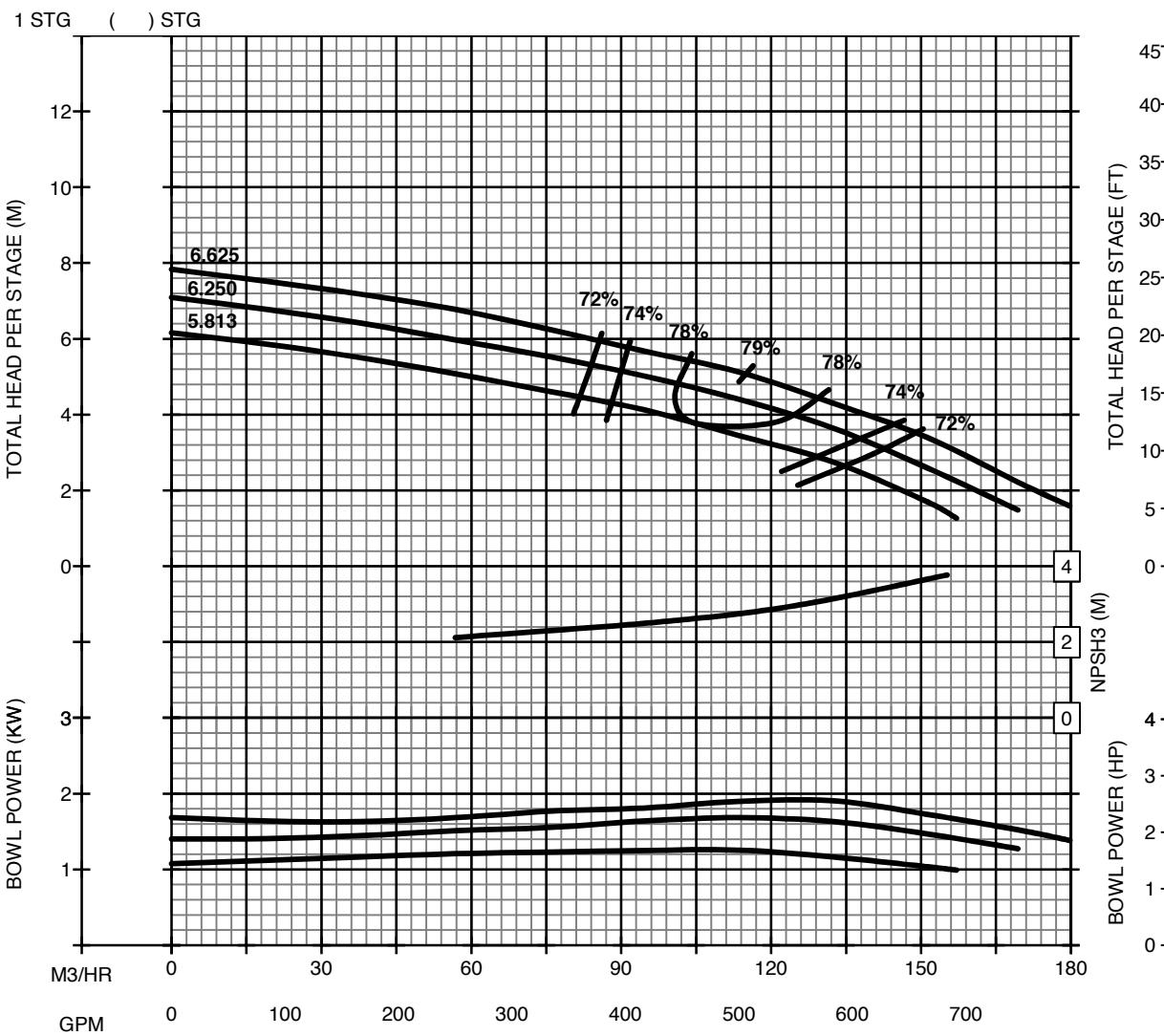


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J8XHC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	5	DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	-1	0					



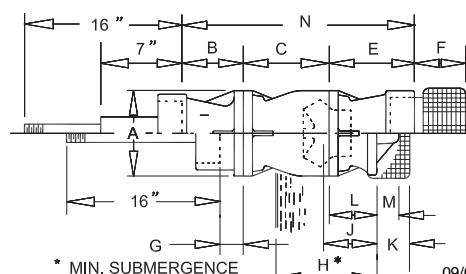
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.75	8.50	8.88	9.25	6.63	1.12	14.00	N/A	N/A	N/A	N/A	26.63

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	6	DISCHARGE SIZE:	6"
THRUST CONSTANT:	5.4	SUCTION SIZE:	6"
LATERAL (STD):	1.38	STD. TUBE:	2"
EYE AREA IN ² :	12.81	WR ² LB-FT ² :	0.36
SHAFT DIA:	1.25	1ST STG WT LB:	140 ADD STG WT LB: 62

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVJ8XHC4P5CY

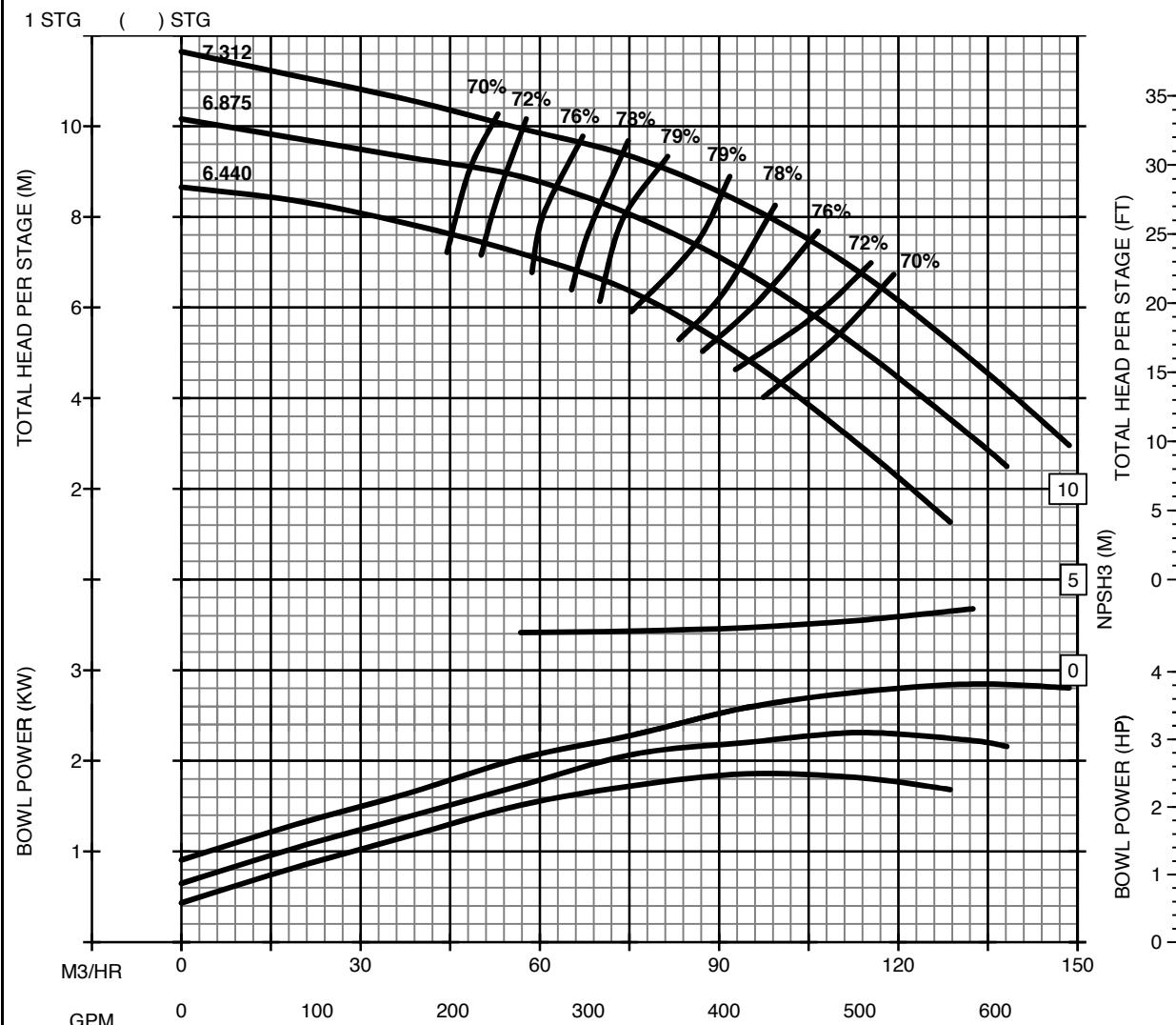
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M9MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	4	6		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-3	-2	0						



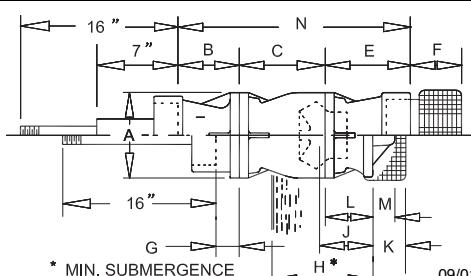
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.00	5.53	8.00	8.38	2.94	7.47	14.50	6.50	6.13	5.62	2.50	21.91

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	5.1	SUCTION SIZE:	6"
LATERAL (STD):	0.625	STD. TUBE:	2"
EYE AREA IN ² :	9.69	WR ² LB-FT ² :	0.47
SHAFT DIA:	1.25	1ST STG WT LB:	138 ADD STG WT LB: 56

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVM9MC4P5CY

CURVE TEMPLATE 08.05.2011

175
CURVES

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

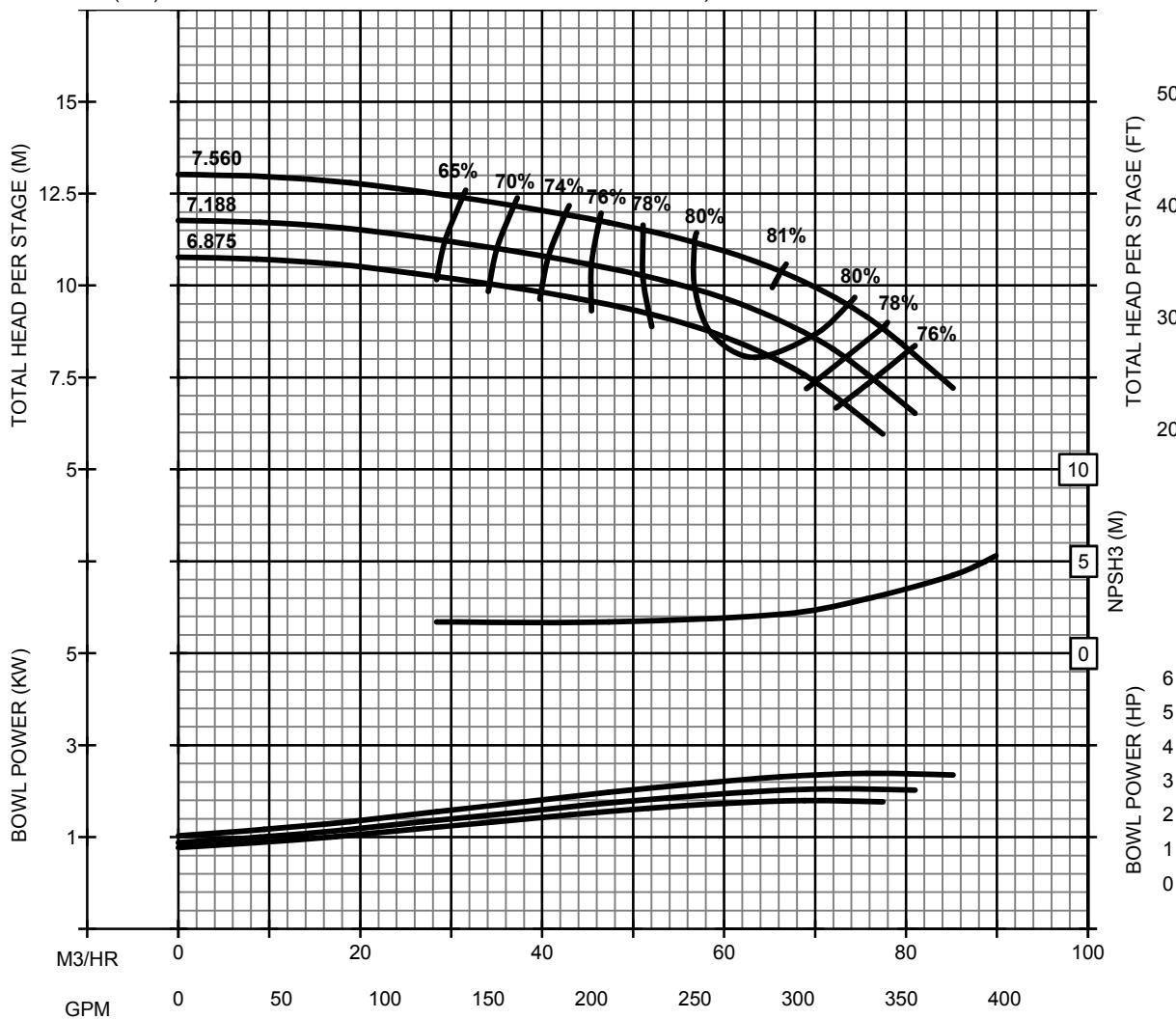


L10HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



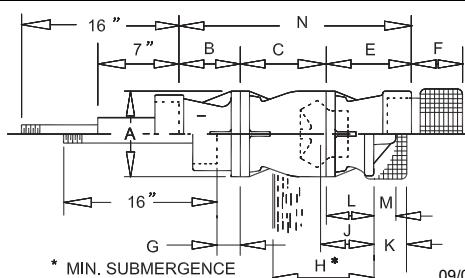
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.83	5.18	6.50	N/A	N/A	1.43	16.00	4.00		4.13	3.75	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	6"
THRUST CONSTANT:	4.60	SUCTION SIZE:	N/A
LATERAL (STD):	0.50	STD. TUBE:	2.5"
EYE AREA IN ² :	8.53	WR ² LB-FT ² :	0.44
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

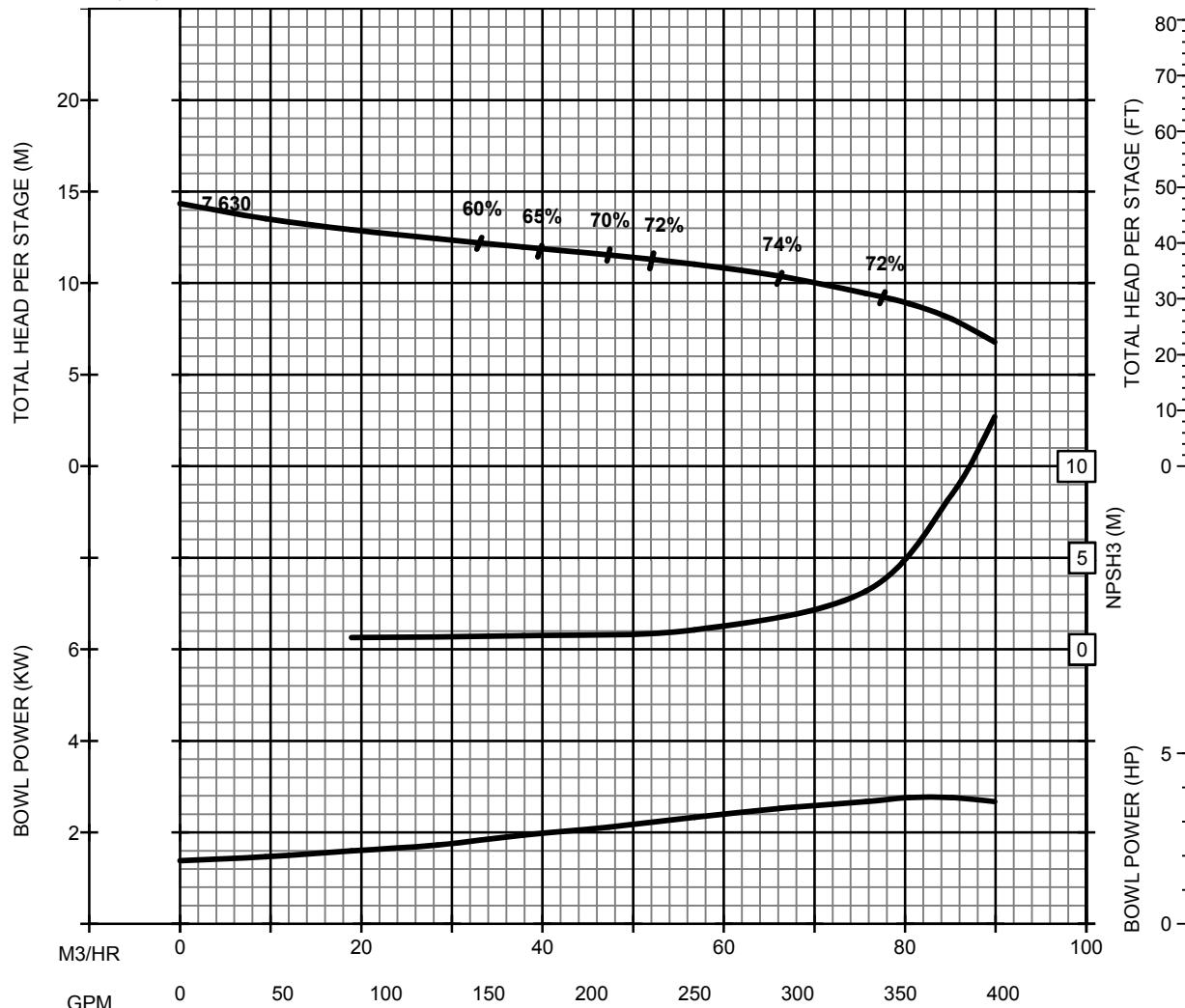


L10HC-S
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	-	-	-	-	DESIGN	M3/HR	TDH	KW	EFF
		-	-	-	-					

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.83	5.18	6.50	N/A	N/A	1.43	16.00	4.00		4.13	3.75	N/A

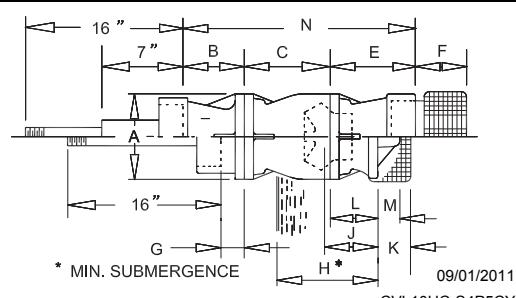
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	6"
THRUST CONSTANT:	8.80	SUCTION SIZE:	N/A
LATERAL (STD):	0.50	STD. TUBE:	2.5"
EYE AREA IN ² :	18.66	WR ² LB-FT ² :	0.44
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

LOW NPSH IMPELLER FOR 1ST STAGE ONLY

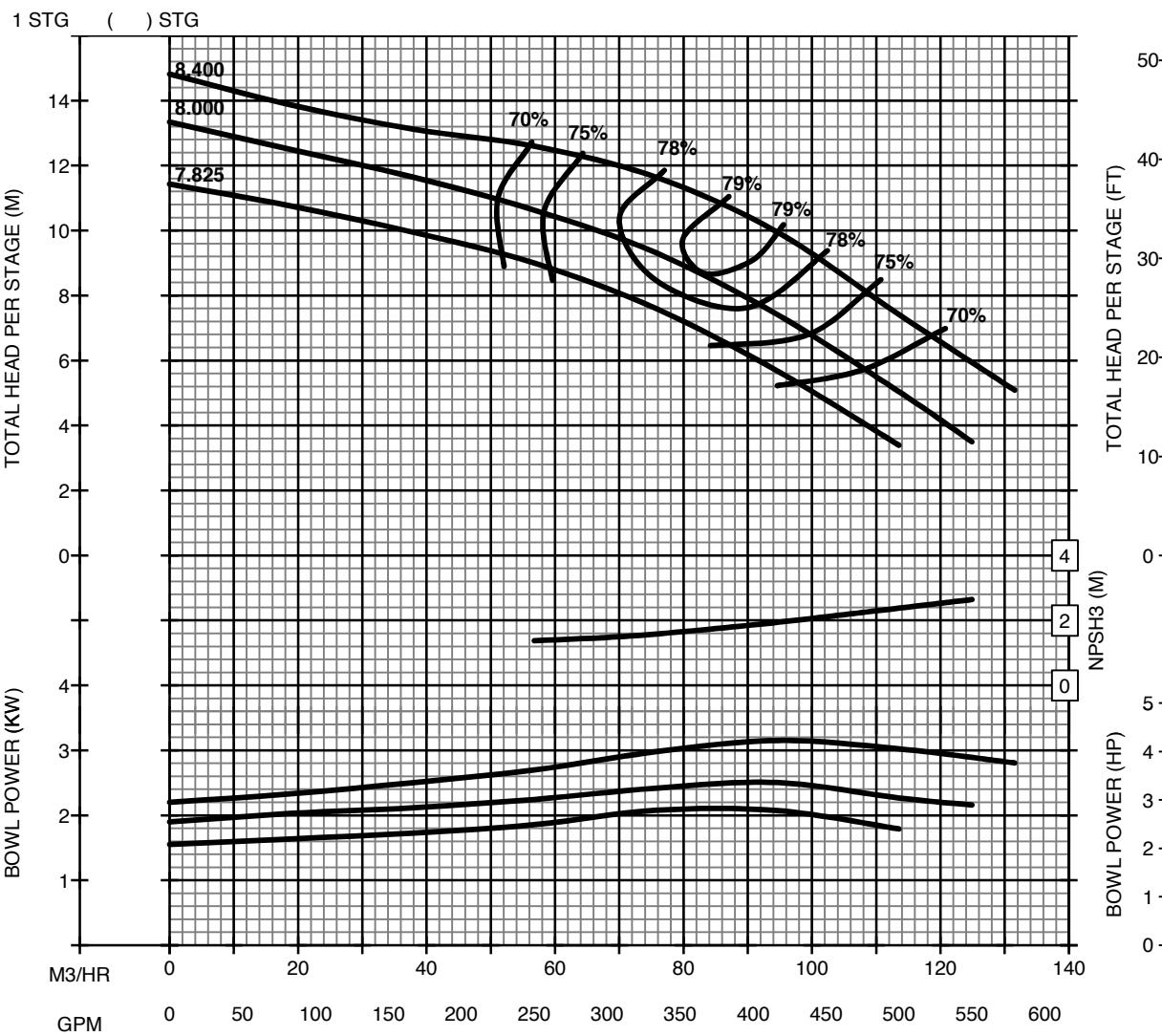


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M10LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



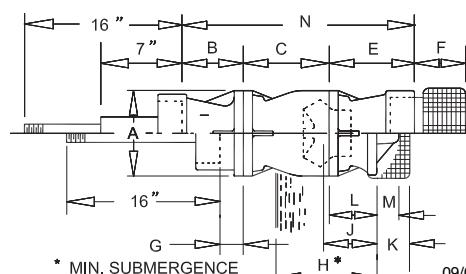
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	10.12	5.19	9.62	10.69	7.56	1.43	10.50	7.50	8.12	7.00	3.19	25.50

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	6", 8"
THRUST CONSTANT:	5.3	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.25	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011
CVM10LC4P5CY

CURVES 1475

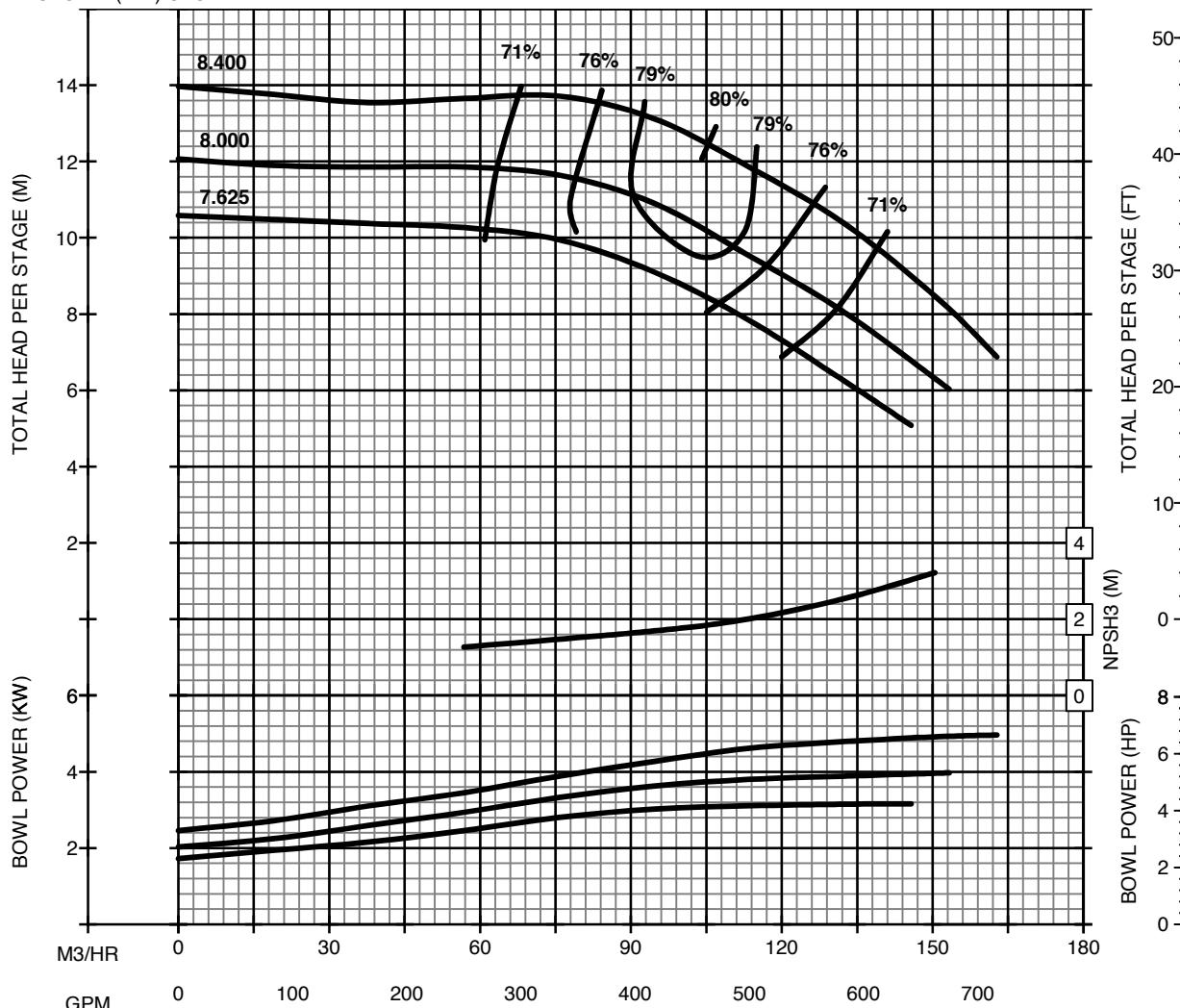
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M10HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						

1 STG () STG



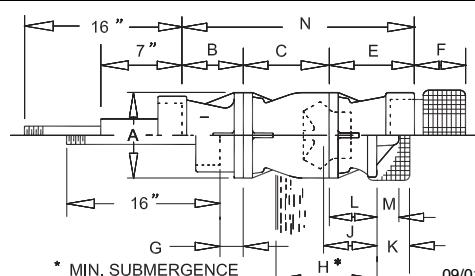
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	10.12	5.31	9.62	10.69	7.58	1.43	10.50	7.50	8.12	7.00	3.12	25.62

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	6", 8"
THRUST CONSTANT:	5.4	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.25	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 75

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVM10HC4P5CY

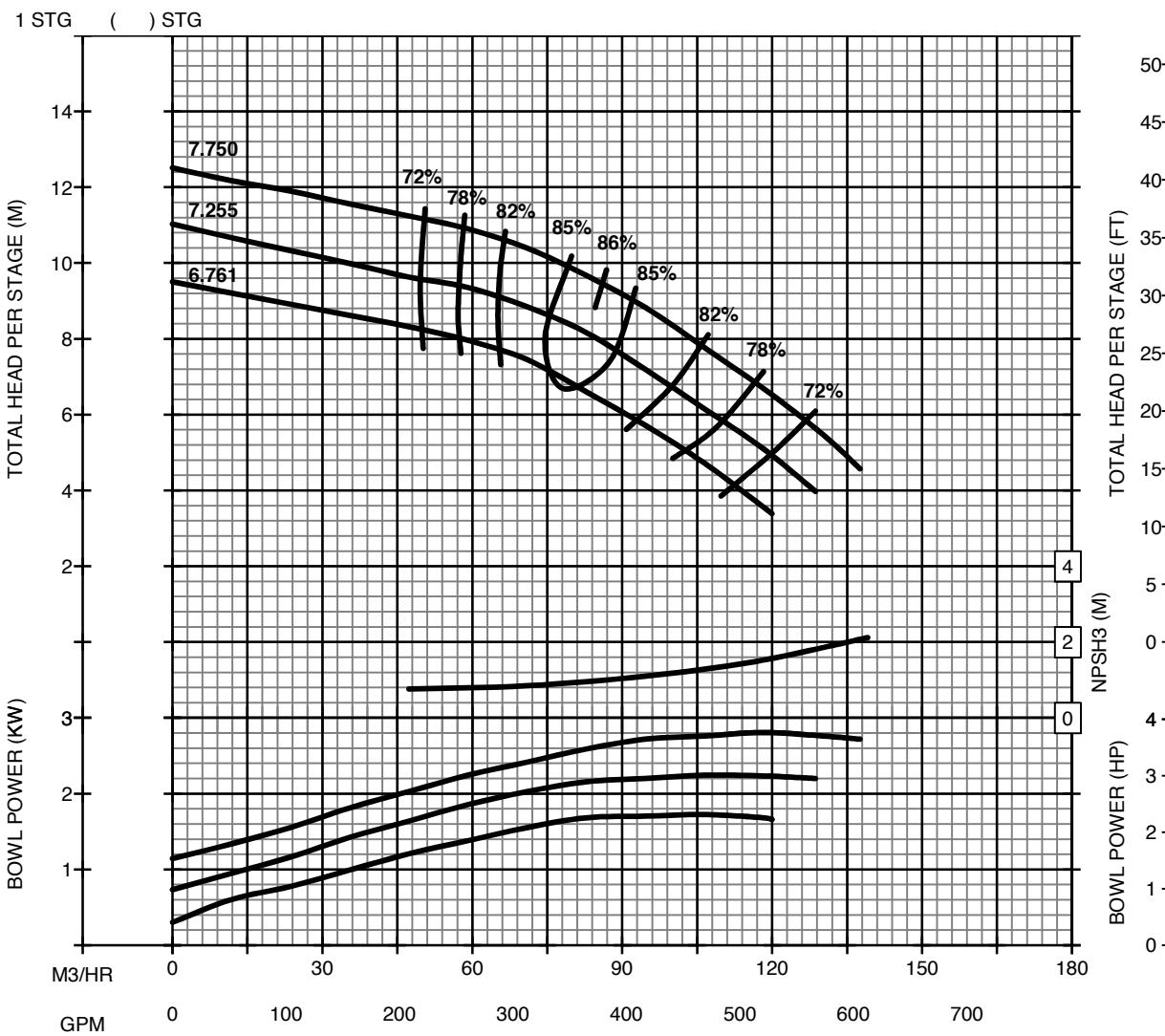
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K10LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



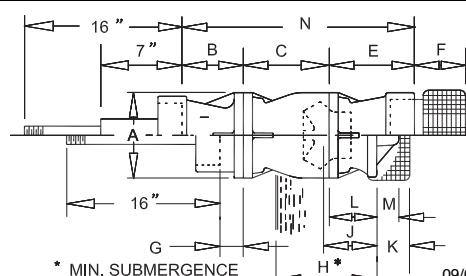
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.8	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	170 ADD STG WT LB: 68

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVK10LC4P5CY

CURVE TEMPLATE 08.05.2011

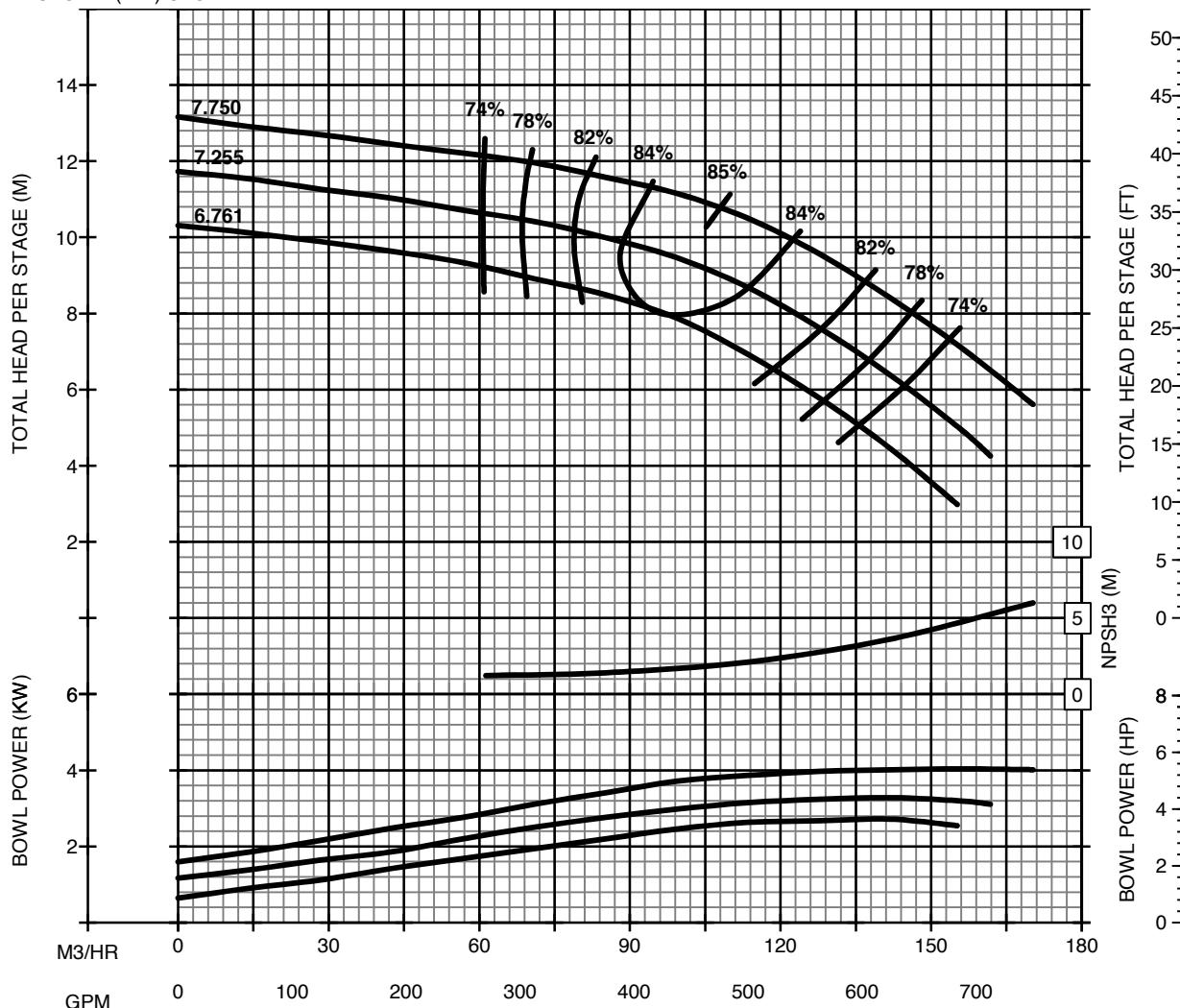
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K10MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-4	-1	0						

1 STG () STG



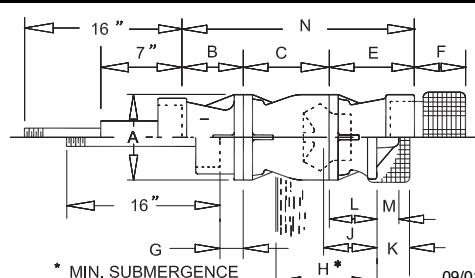
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.8	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	170 ADD STG WT LB: 68

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVK10MC4P5CY

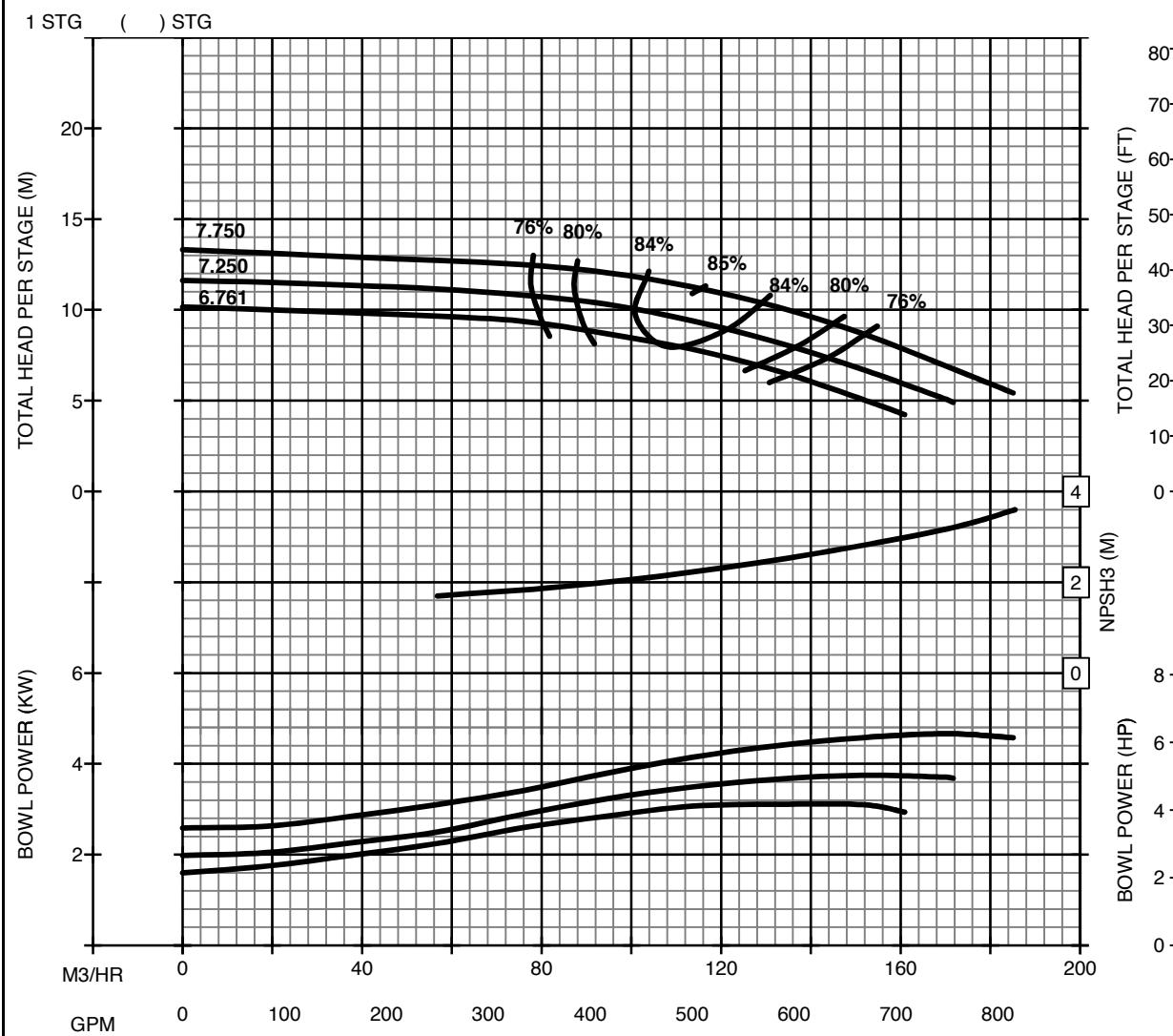
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K10HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



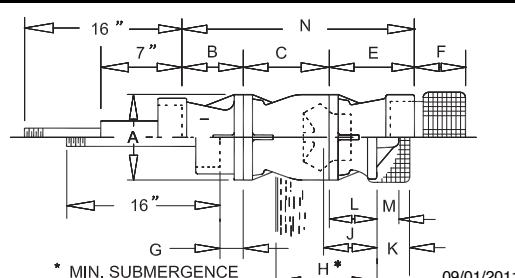
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN ² :	13.8	WR ² LB-FT ² :	0.78
SHAFT DIA:	1.50	1ST STG WT LB:	170 ADD STG WT LB: 68

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

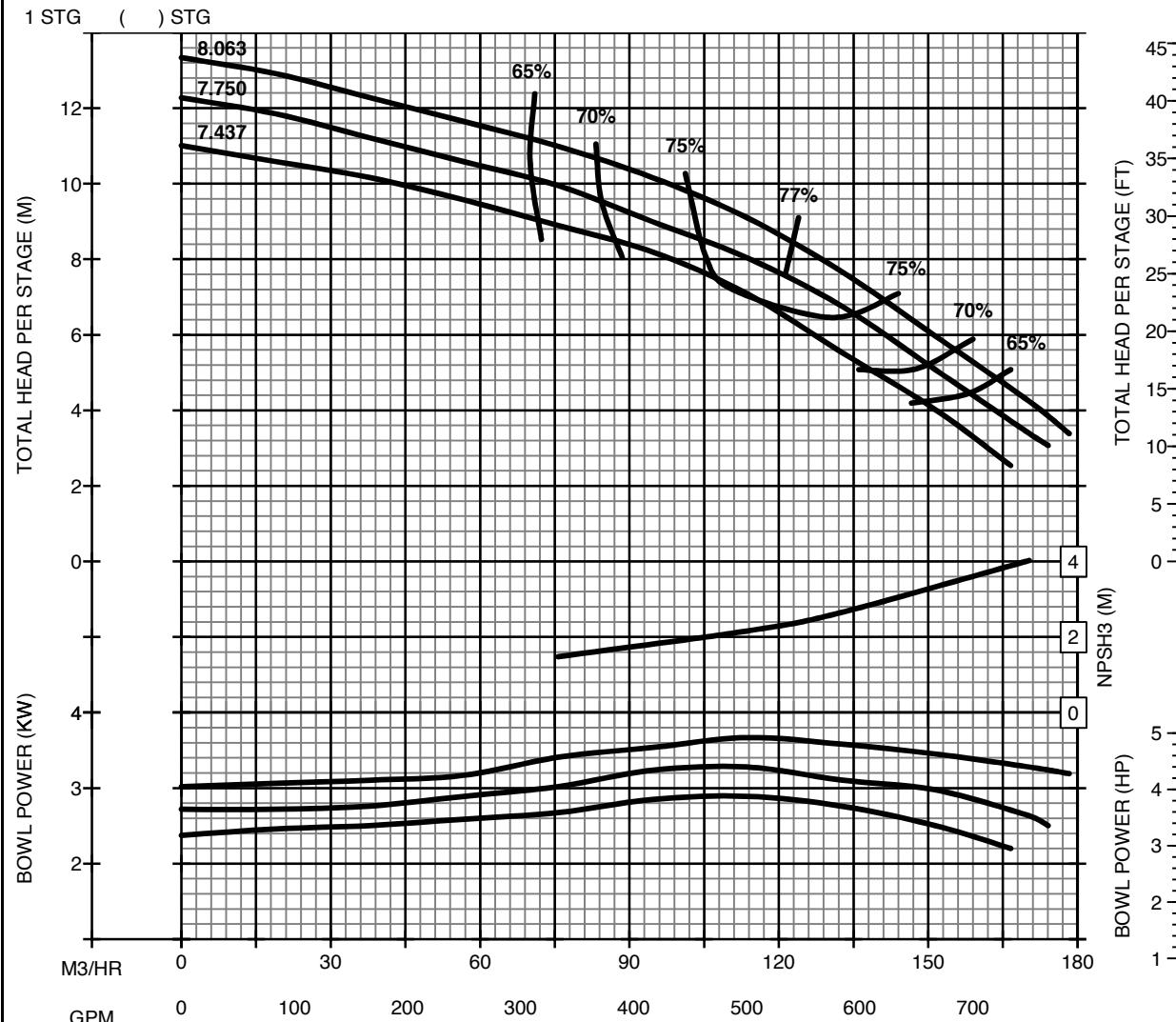


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H10MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



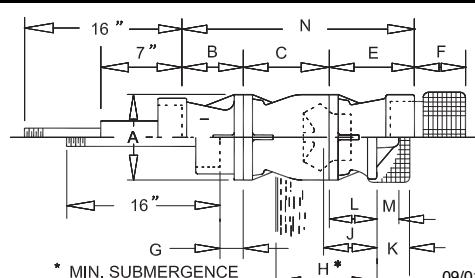
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.31	9.62	8.19	7.56	1.43	12.50	8.50	N/A	N/A	N/A	23.12

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	6", 8"
THRUST CONSTANT:	6.9	SUCTION SIZE:	6"
LATERAL (STD):	1.25	STD. TUBE:	2.5"
EYE AREA IN ² :	16.89	WR ² LB-FT ² :	0.75
SHAFT DIA:	1.50	1ST STG WT LB:	210 ADD STG WT LB: 80

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



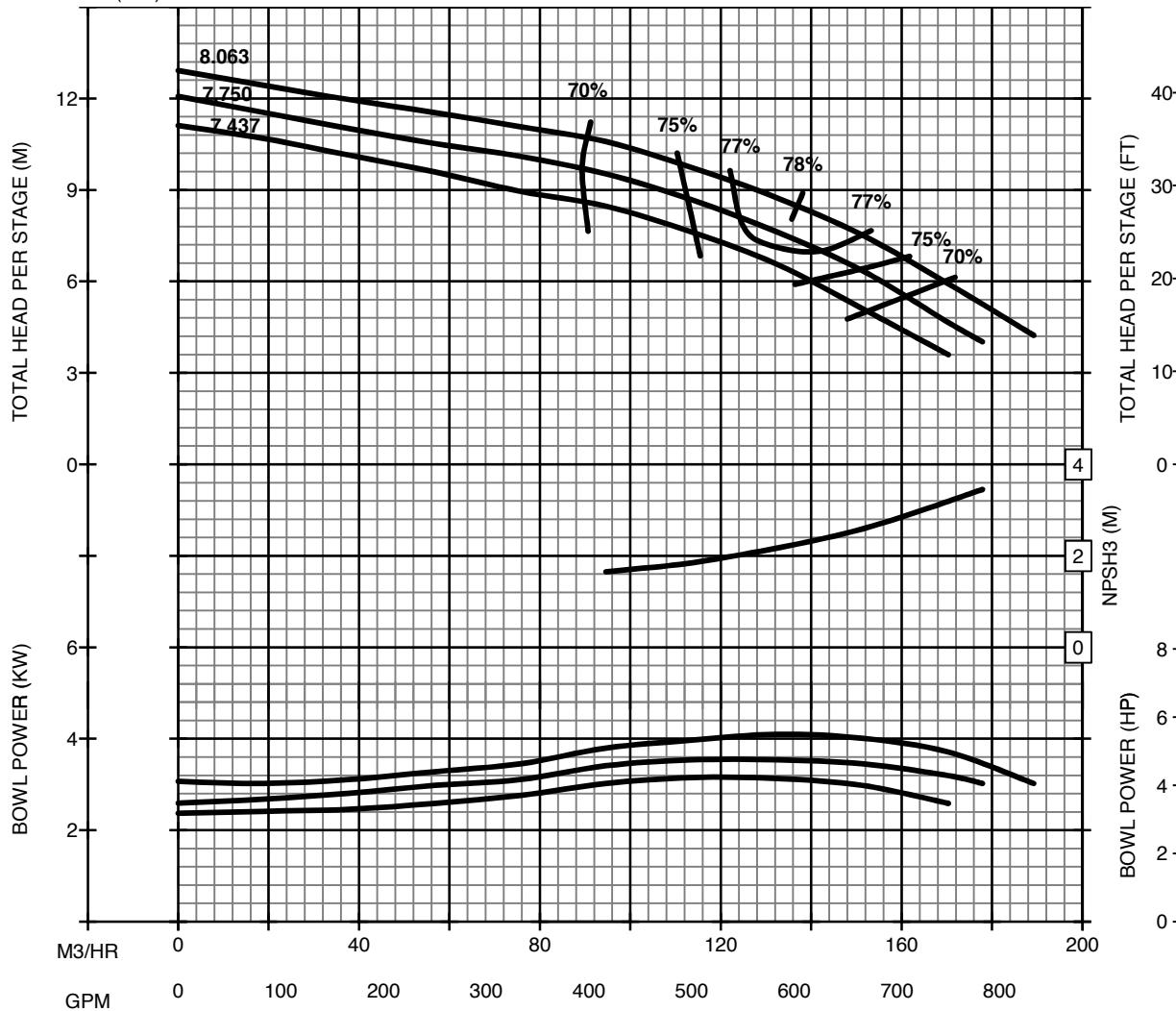
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H10HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



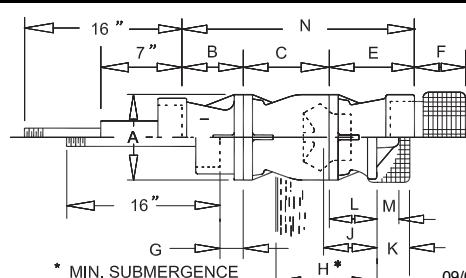
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.31	9.62	8.19	7.56	1.43	12.50	8.50	N/A	N/A	N/A	23.12

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	6", 8"
THRUST CONSTANT:	6.9	SUCTION SIZE:	6"
LATERAL (STD):	1.25	STD. TUBE:	2.5"
EYE AREA IN ² :	16.89	WR ² LB-FT ² :	0.75
SHAFT DIA:	1.50	1ST STG WT LB:	210 ADD STG WT LB: 80

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011
CVH10HC4P5CY

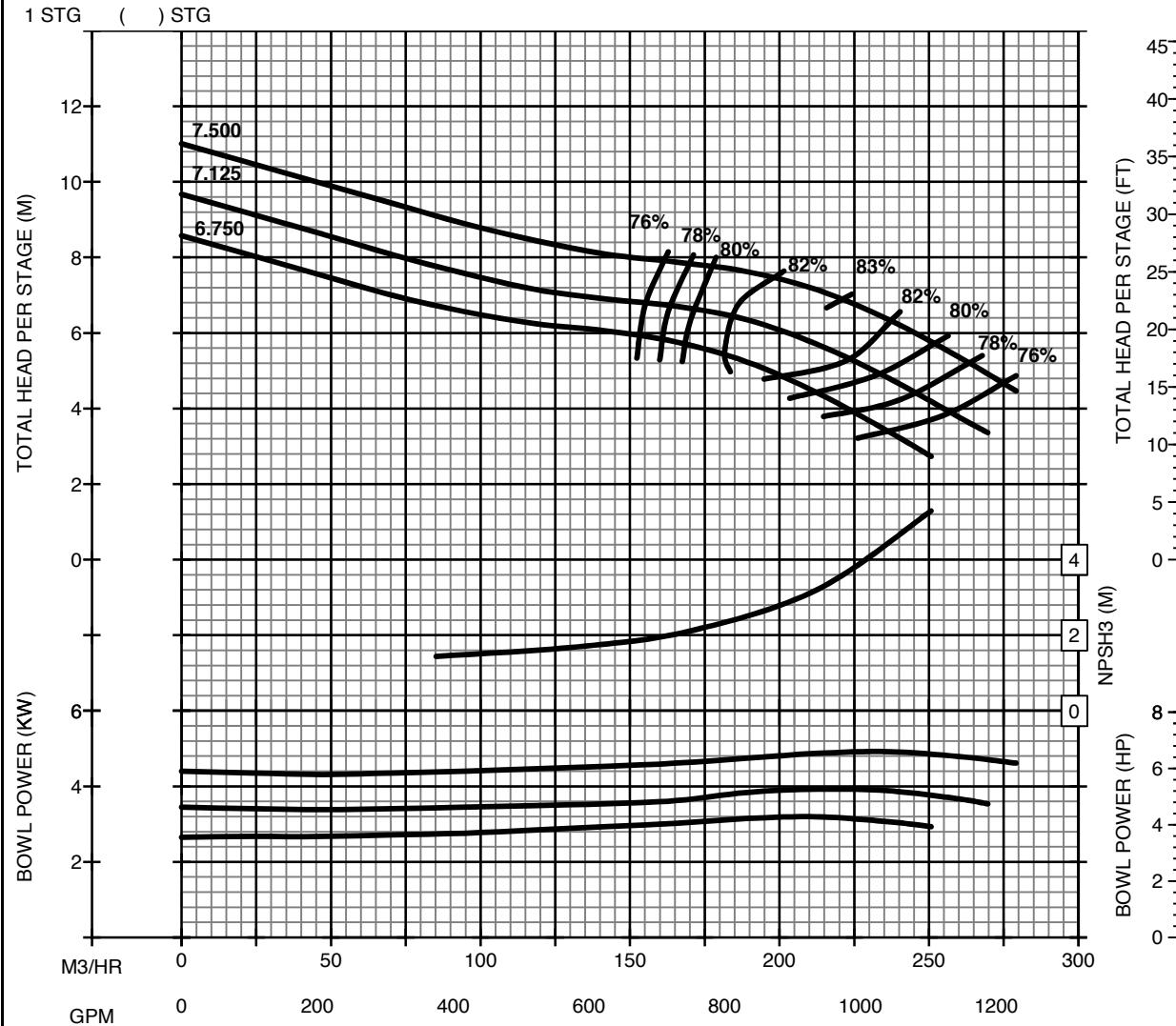
CURVES
1475

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J10HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-1.5	-1	0						



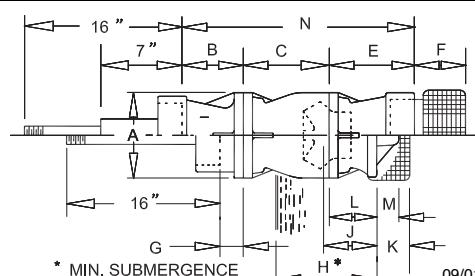
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.63	5.31	9.75	8.19	7.56	1.43	20.00	8.50	N/A	N/A	N/A	23.25

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	8.2	SUCTION SIZE:	8"
LATERAL (STD):	0.750	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	21.8	WR ² LB-FT ² :	0.69
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 70

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVJ10HC4P5CY

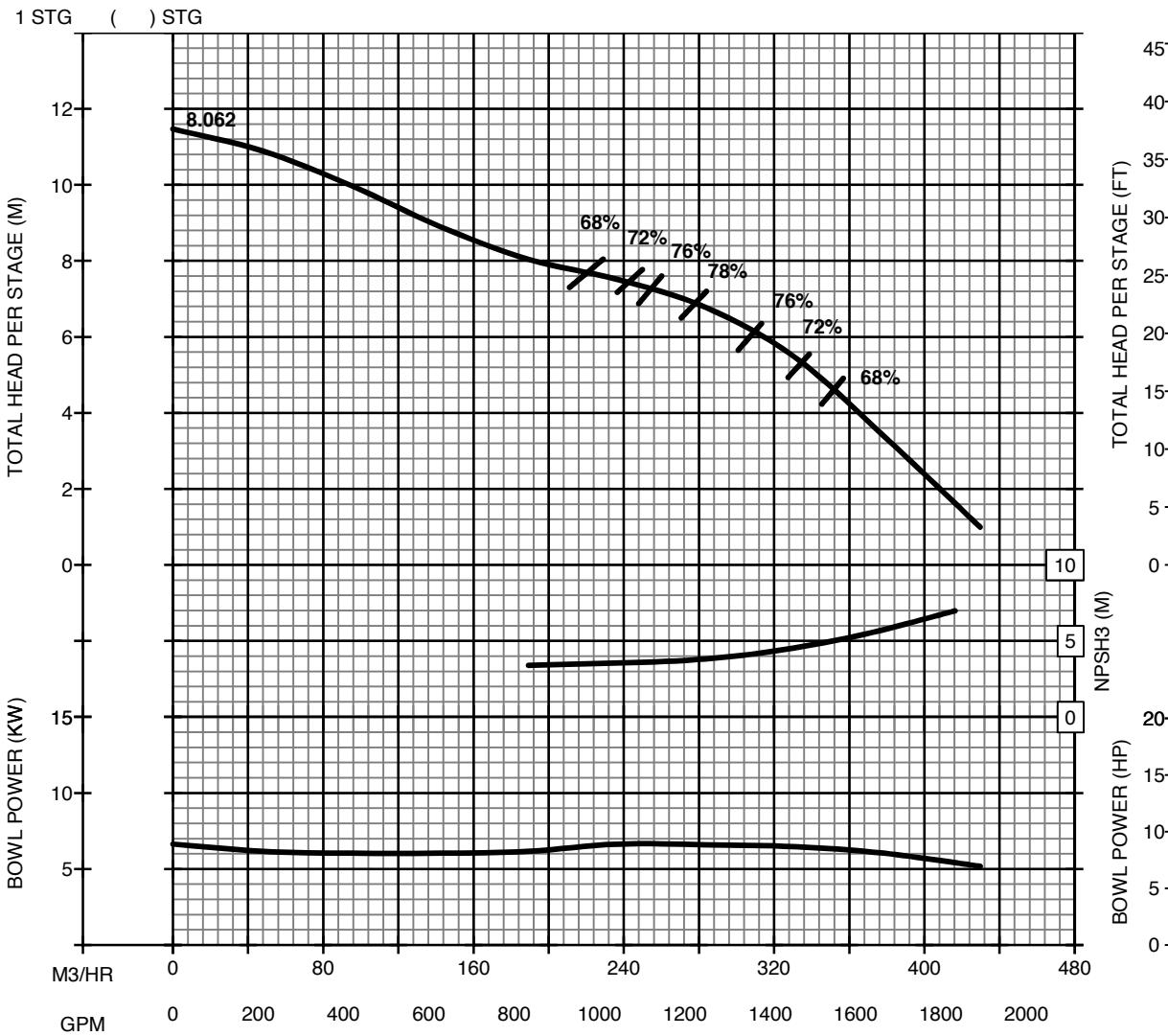
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E10HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	2	3	4	5	DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	-1	0					



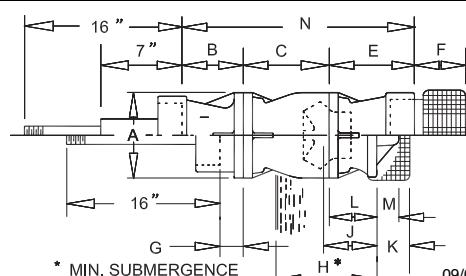
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	6.50	9.62	8.19	9.44	1.43	22.00	10.62	N/A	N/A	N/A	24.31

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	10.7	SUCTION SIZE:	8"
LATERAL (STD):	0.75	STD. TUBE:	2.50"
EYE AREA IN ² :	26.50	WR ² LB-FT ² :	0.59
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 70

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

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CURVE TEMPLATE 08.05.2011

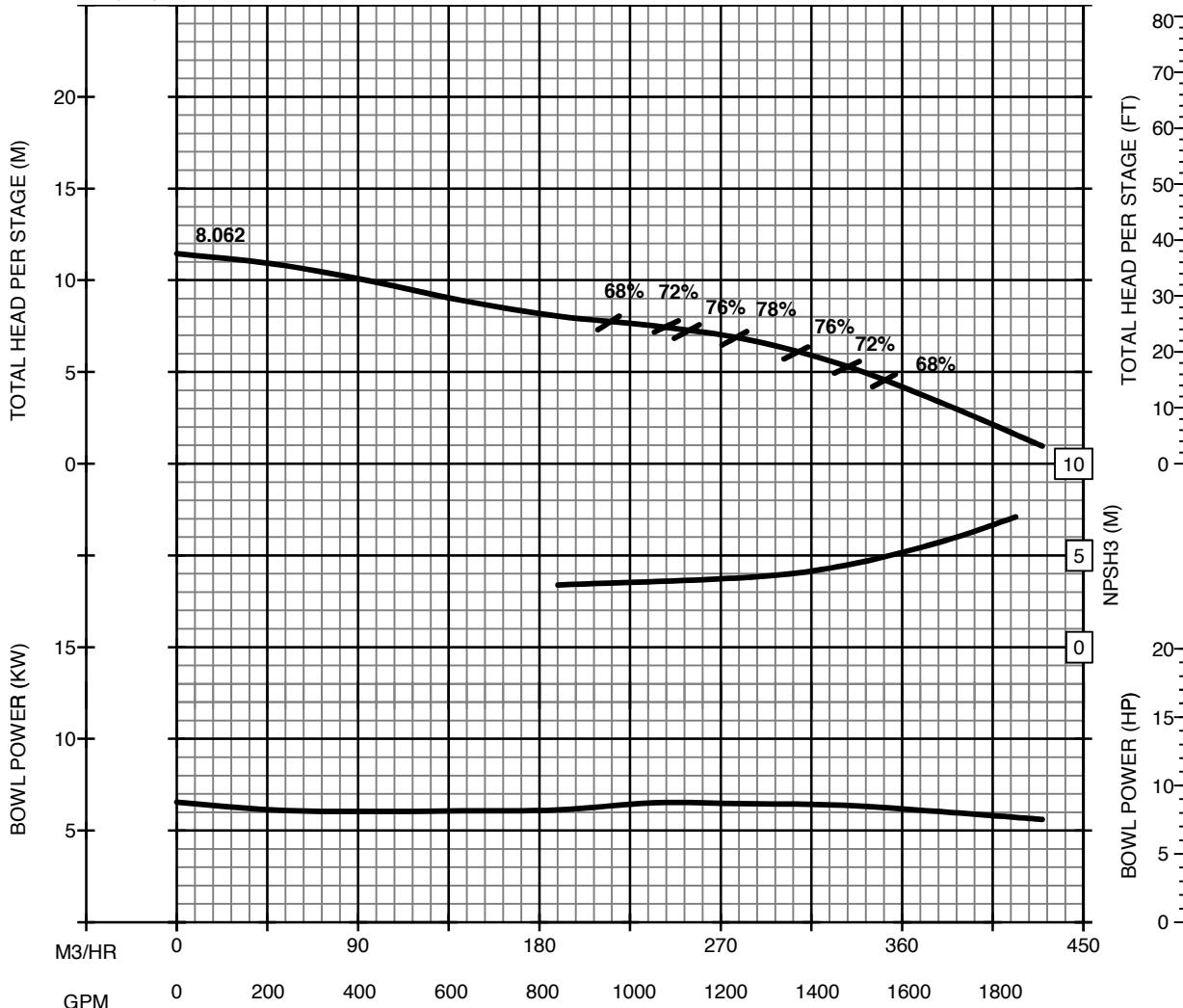
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E10HO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	2	3	4	5	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-3	-2	-1	0					

1 STG () STG



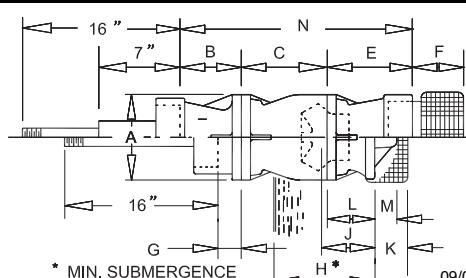
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	6.50	9.62	8.19	9.44	1.43	22.00	10.62	N/A	N/A	N/A	24.31

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	10.7	SUCTION SIZE:	8"
LATERAL (STD):	0.75	STD. TUBE:	2.50"
EYE AREA IN ² :	26.50	WR ² LB-FT ² :	0.59
SHAFT DIA:	1.50	1ST STG WT LB:	175 ADD STG WT LB: 70

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



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09/01/2011
CVE10HO4P5CY

CURVE TEMPLATE 08.05.2011

175
CURVES



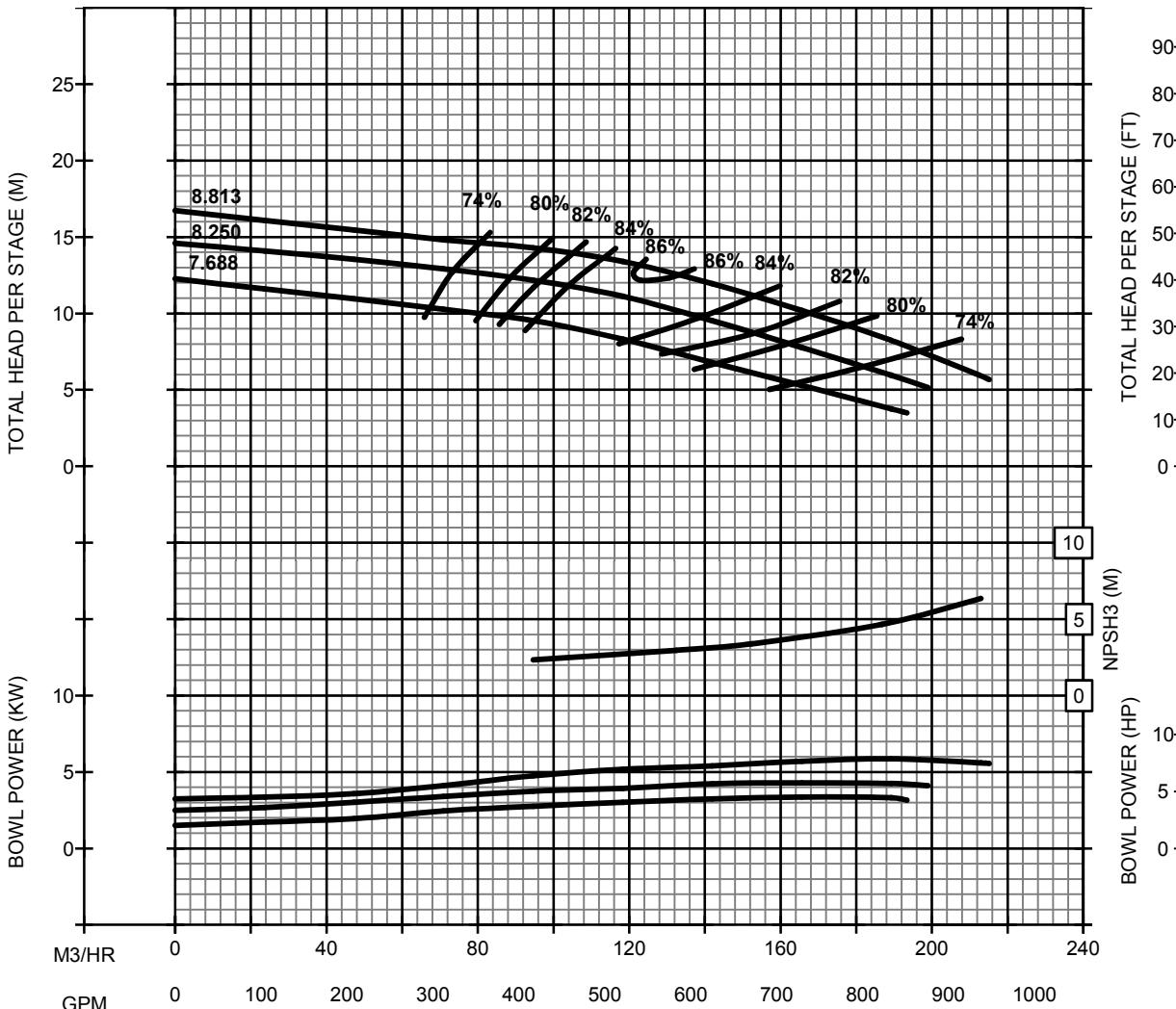
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J11LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						

1 STG () STG



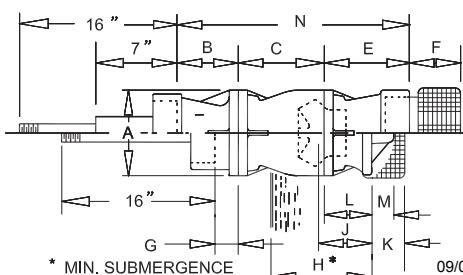
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	10.06	7.25	3.75	26.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.8	SUCTION SIZE:	8"
LATERAL (STD):	1.00	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	15.9	WR ² LB·FT ² :	1.02
SHAFT DIA:	1.6875	1ST STG WT LB:	183 ADD STG WT LB: 91

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVJ11LC4P5CY

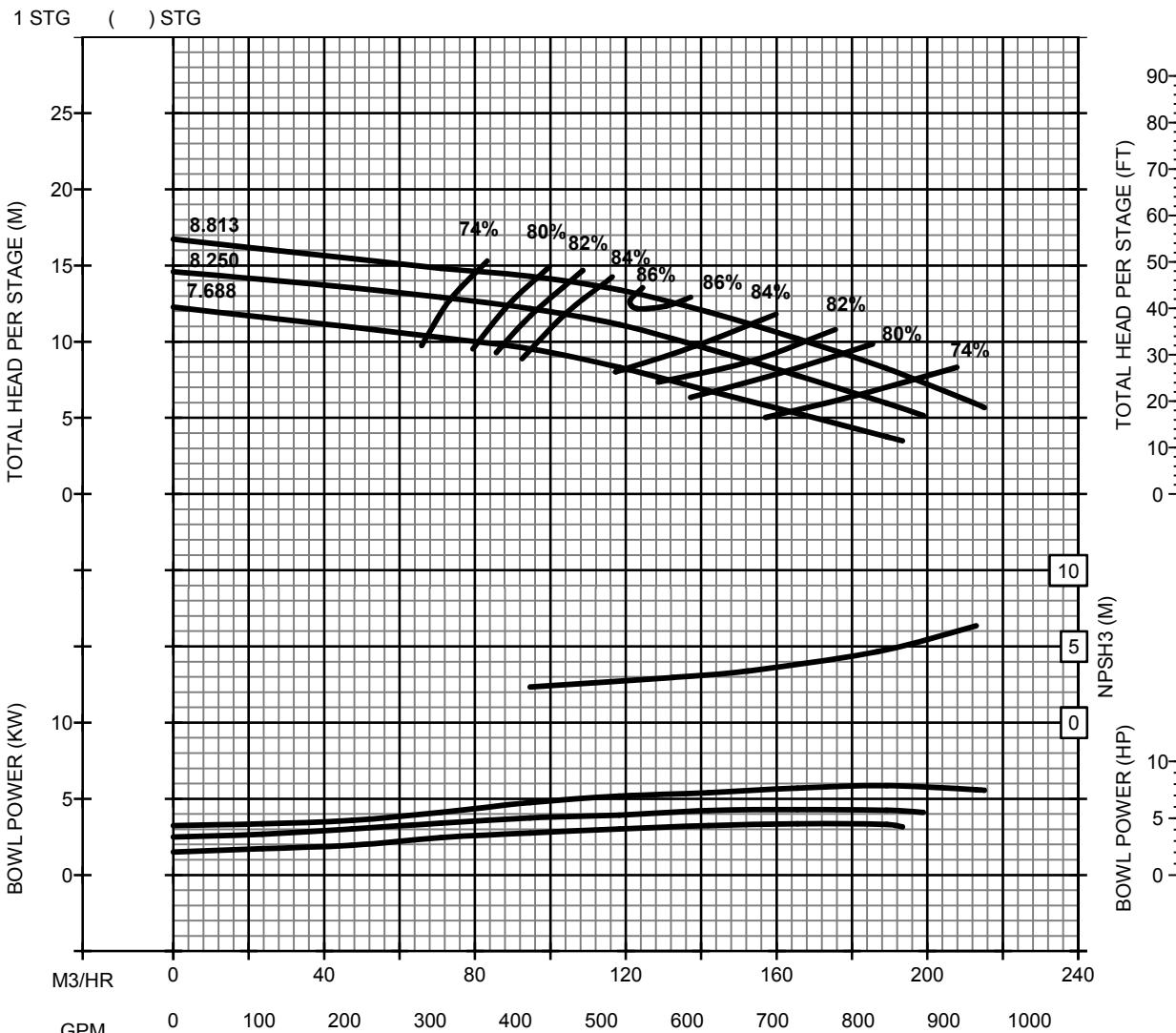
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PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J11LO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



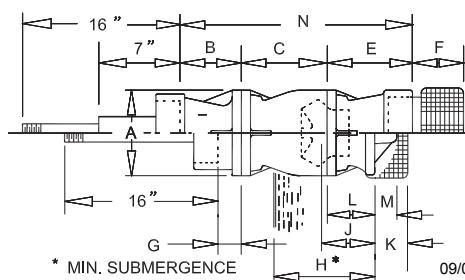
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	N/A	N/A	N/A	26.69

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.8	SUCTION SIZE:	8"
LATERAL (STD):	1.00	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	15.9	WR ² LB·FT ² :	1.02
SHAFT DIA:	1.6875	1ST STG WT LB:	183 ADD STG WT LB: 91

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

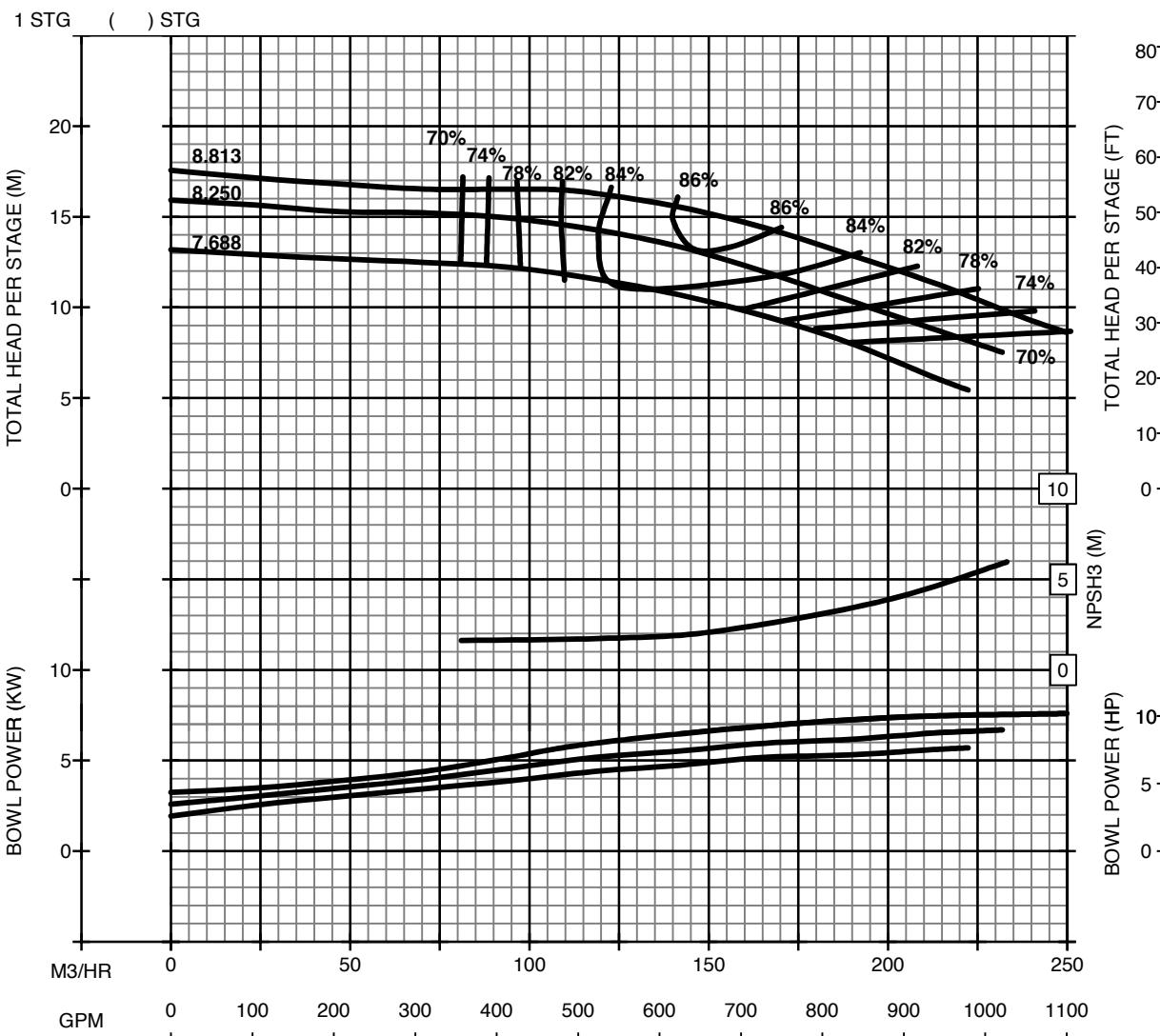
CVJ11LO4P5CY

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J11MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



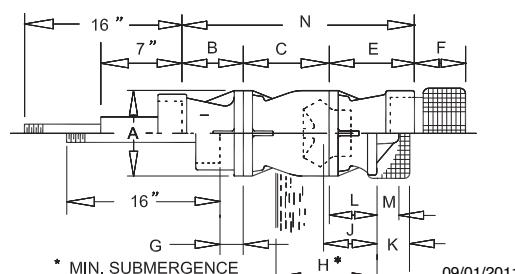
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	10.06	7.25	3.75	26.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.8	SUCTION SIZE:	8"
LATERAL (STD):	1.00	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	15.9	WR ² LB-FT ² :	1.02
SHAFT DIA:	1.6875	1ST STG WT LB:	183 ADD STG WT LB: 91

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



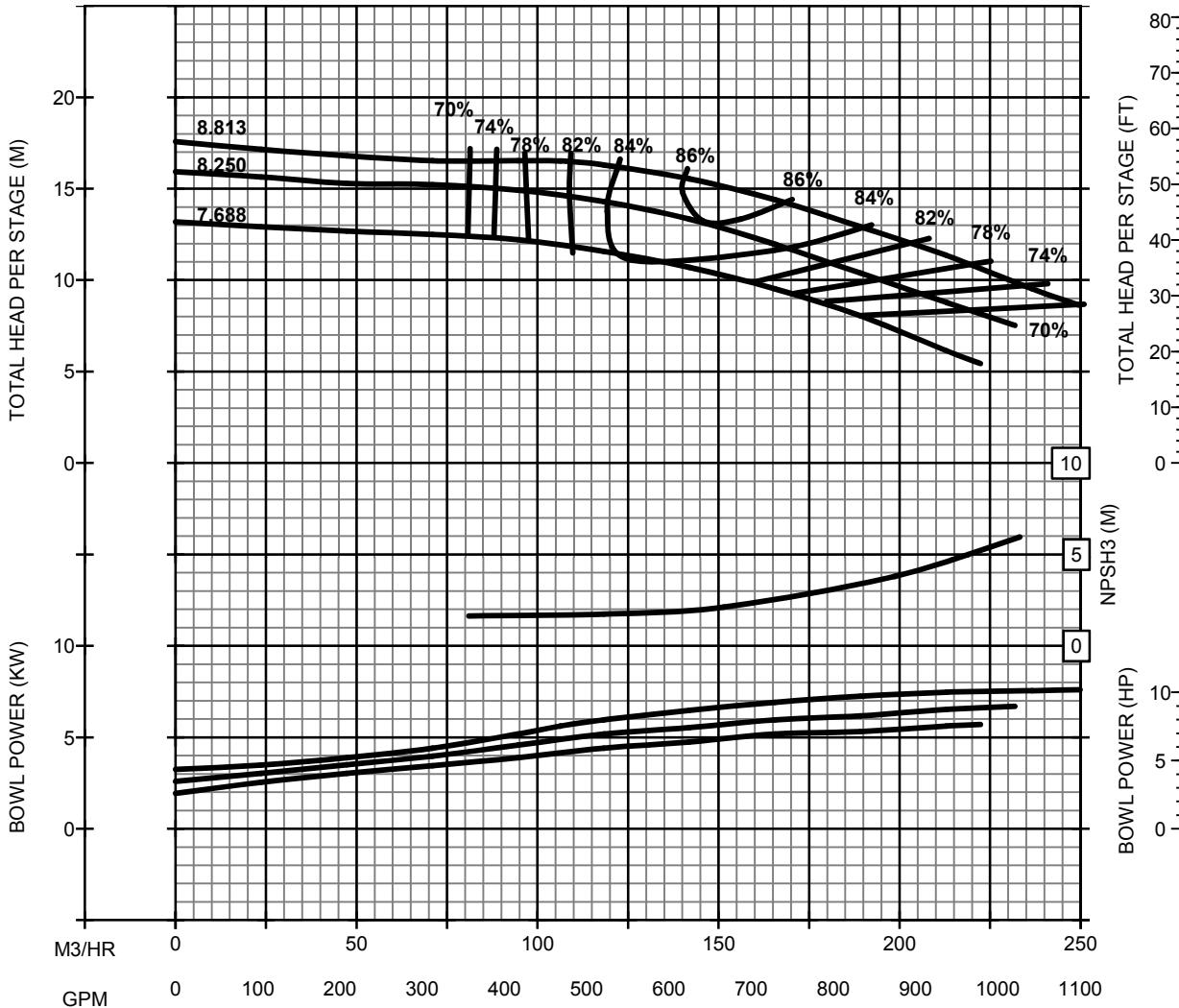
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J11MO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						

1 STG () STG



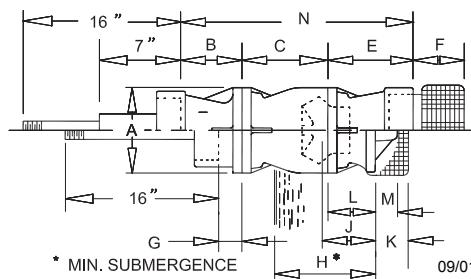
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	N/A	N/A	N/A	26.69

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.8	SUCTION SIZE:	8"
LATERAL (STD):	1.00	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	15.9	WR ² LB-FT ² :	1.02
SHAFT DIA:	1.6875	1ST STG WT LB:	183 ADD STG WT LB: 91

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011
CVJ11MO4P5CY

CURVE TEMPLATE 08.05.2011

1475
CURVES

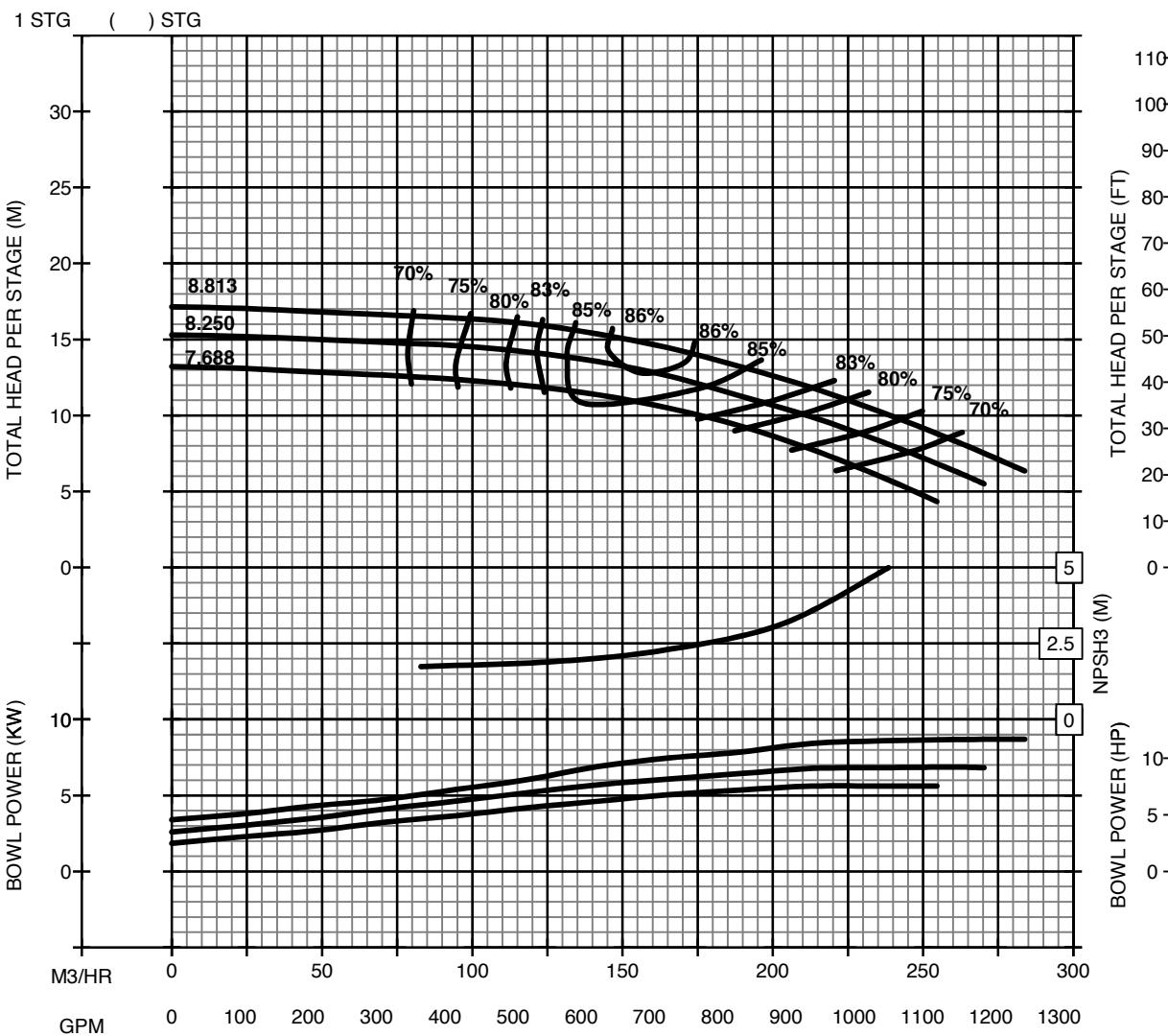


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85°F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J11HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



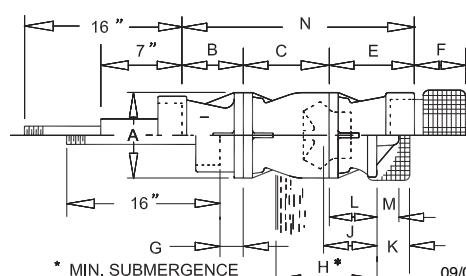
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	10.06	7.25	3.75	26.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.8	SUCTION SIZE:	8"
LATERAL (STD):	1.00	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	15.9	WR ² LB-FT ² :	1.02
SHAFT DIA:	1.6875	1ST STG WT LB:	183 ADD STG WT LB: 91

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVJ11HC4P5CY

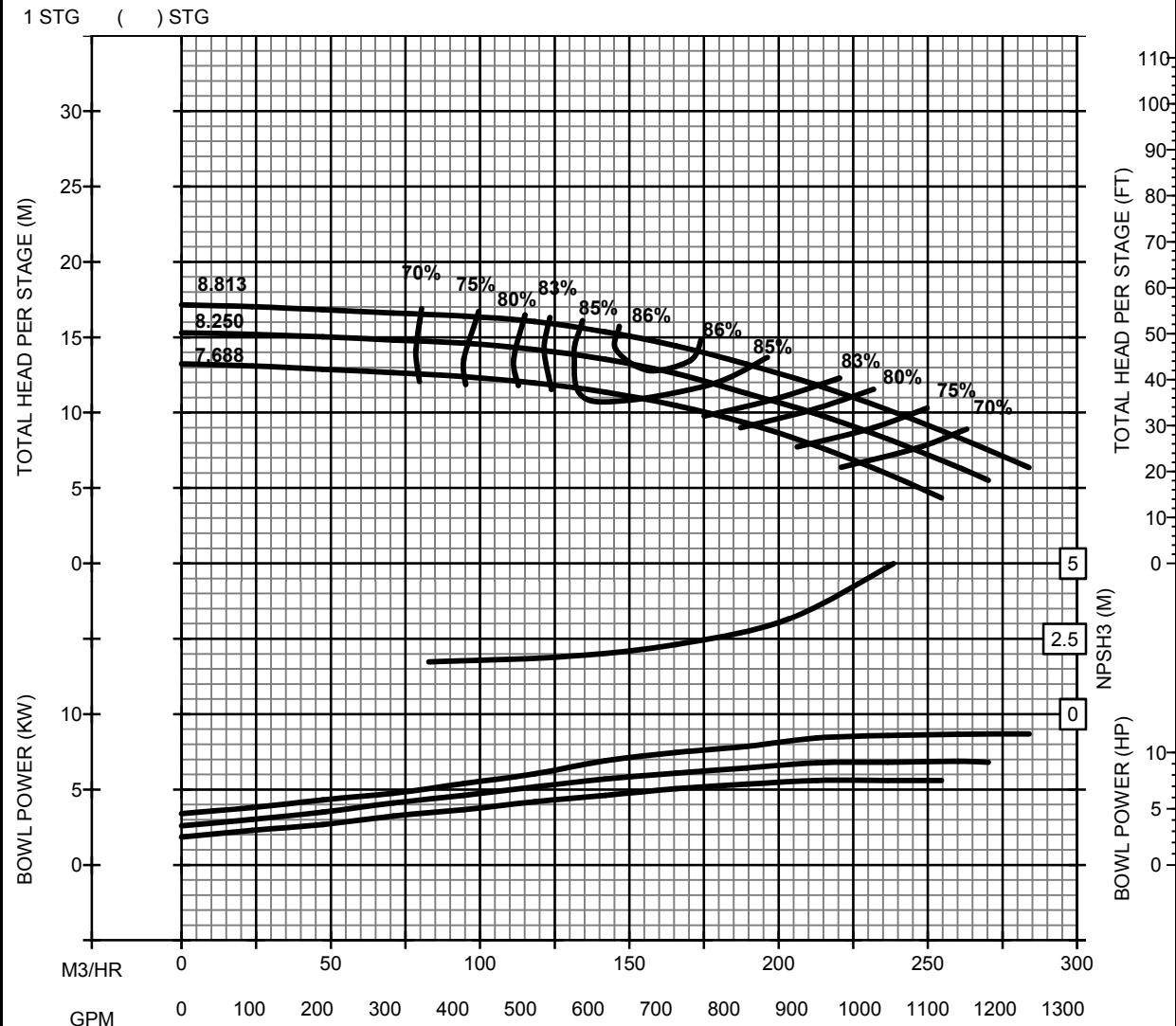
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J11HO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
		-4	-1	0						



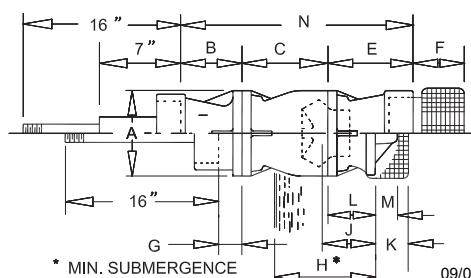
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	N/A	N/A	N/A	26.69

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.8	SUCTION SIZE:	8"
LATERAL (STD):	1.00	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	15.9	WR ² LB-FT ² :	1.02
SHAFT DIA:	1.6875	1ST STG WT LB:	183 ADD STG WT LB: 91

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVJ11HO4P5CY

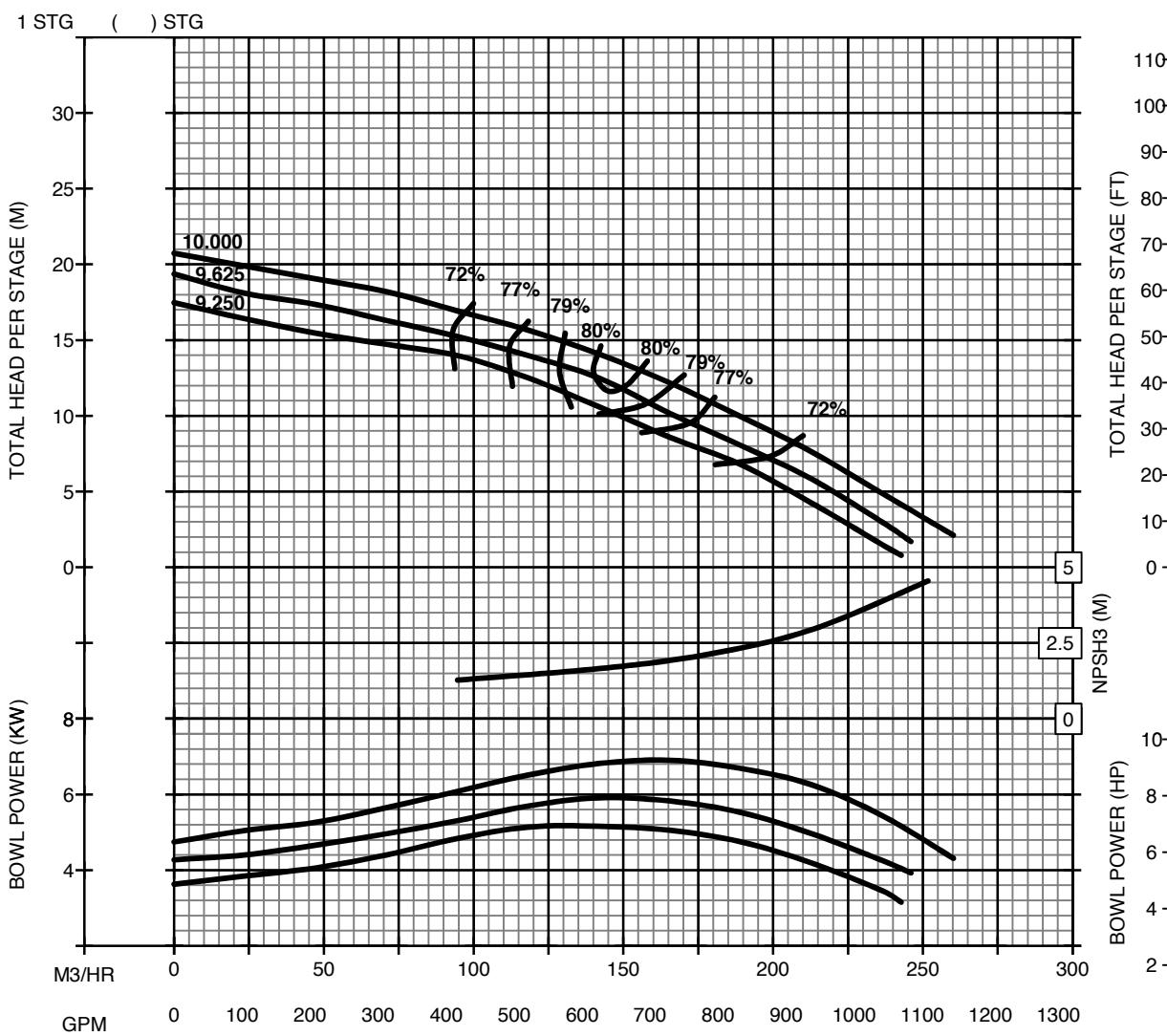
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M12LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



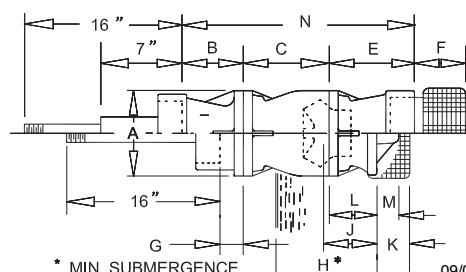
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	12.12	6.94	11.31	11.38	9.44	1.56	21.00	8.00	10.06	7.25	3.75	29.63

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	8", 10"
THRUST CONSTANT:	7.9	SUCTION SIZE:	8"
LATERAL (STD):	1"	STD. TUBE:	2.50", 3.00"
EYE AREA IN ² :	18.39	WR ² LB-FT ² :	1.51
SHAFT DIA:	1.687	1ST STG WT LB:	315 ADD STG WT LB: 125

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVM12LC4P5CY

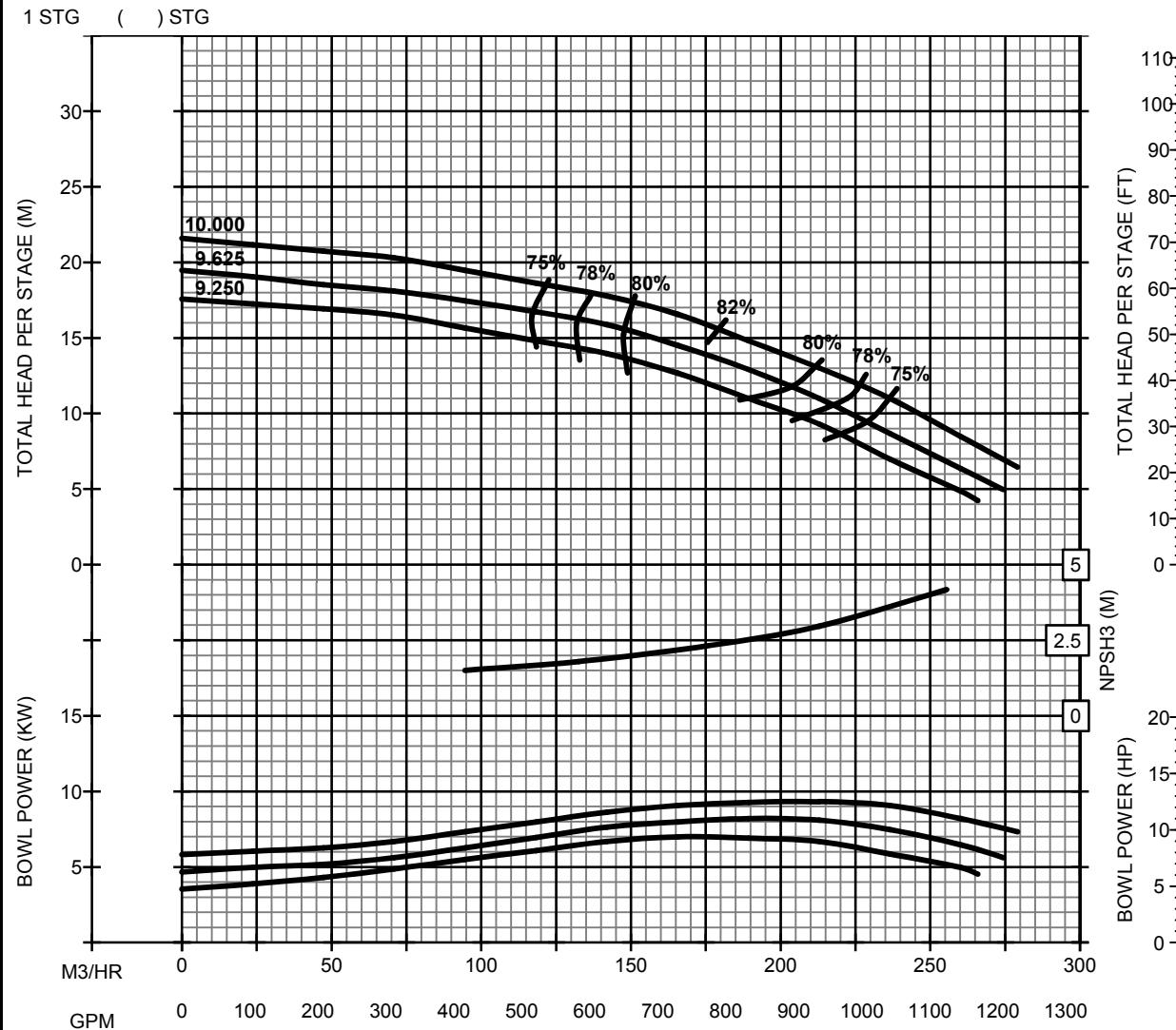
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M12MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



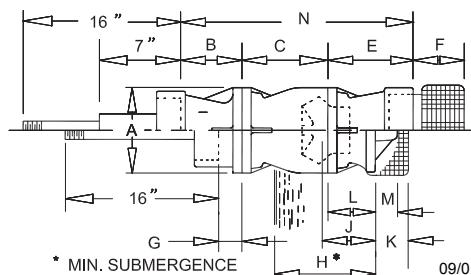
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	12.12	6.94	11.31	11.38	9.44	1.56	21.00	8.00	10.06	7.25	3.75	29.63

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8", 10"
THRUST CONSTANT:	7.9	SUCTION SIZE:	8"
LATERAL (STD):	1"	STD. TUBE:	2.50", 3.00"
EYE AREA IN ² :	18.39	WR ² LB-FT ² :	1.51
SHAFT DIA:	1.687	1ST STG WT LB:	315 ADD STG WT LB: 125

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVM12MC4P5CY

CURVE TEMPLATE 08.05.2011

1475
CURVES

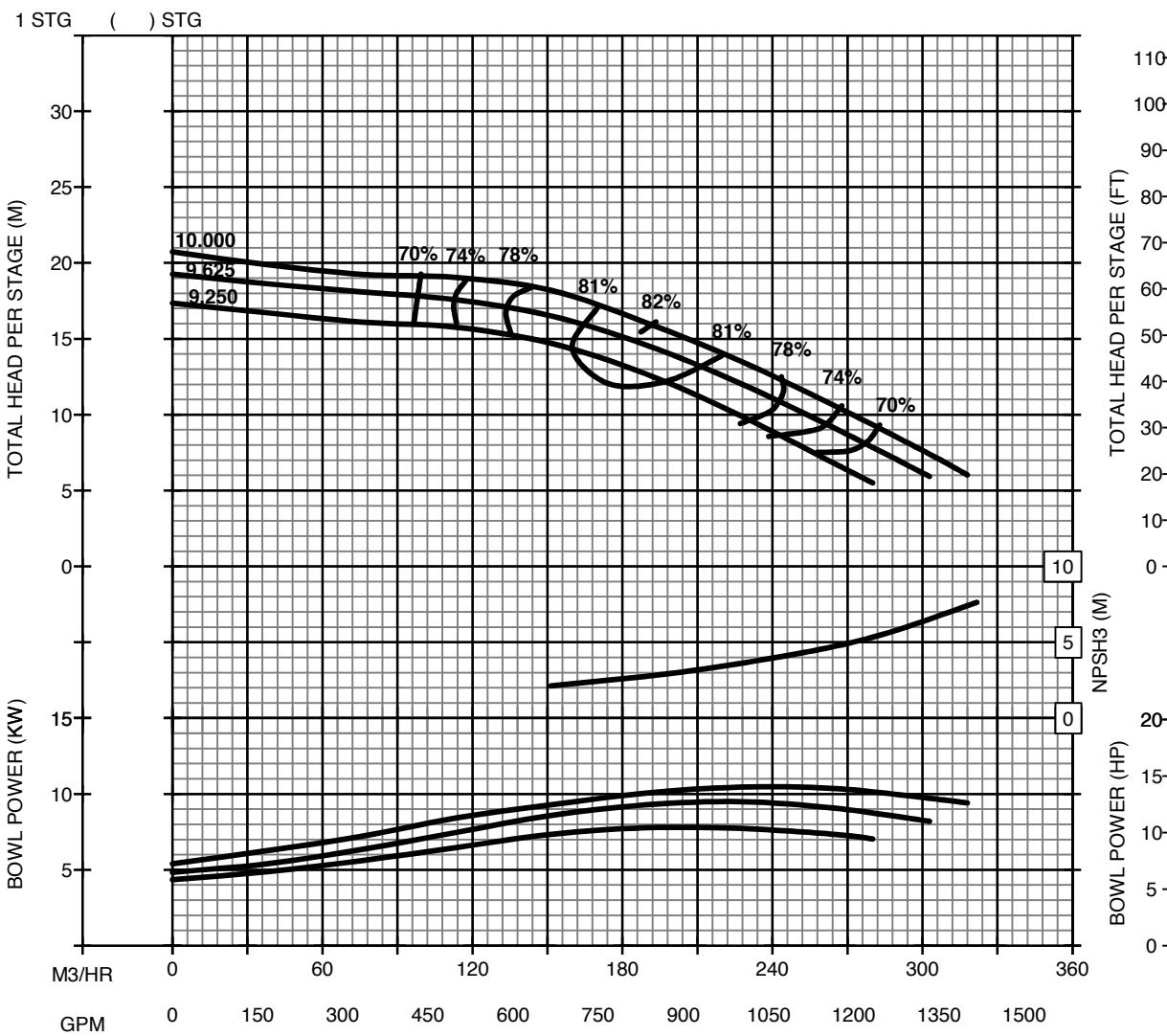


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M12HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



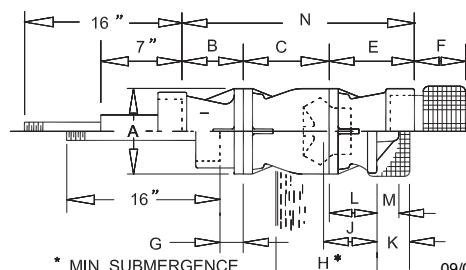
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	12.12	6.94	11.31	11.38	9.44	1.56	21.00	8.00	10.06	7.25	3.75	29.63

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8", 10"
THRUST CONSTANT:	7.9	SUCTION SIZE:	8"
LATERAL (STD):	1"	STD. TUBE:	2.5", 3"
EYE AREA IN ² :	18.39	WR ² LB-FT ² :	1.51
SHAFT DIA:	1.687	1ST STG WT LB:	315 ADD STG WT LB: 125

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVM12HC4P5CY

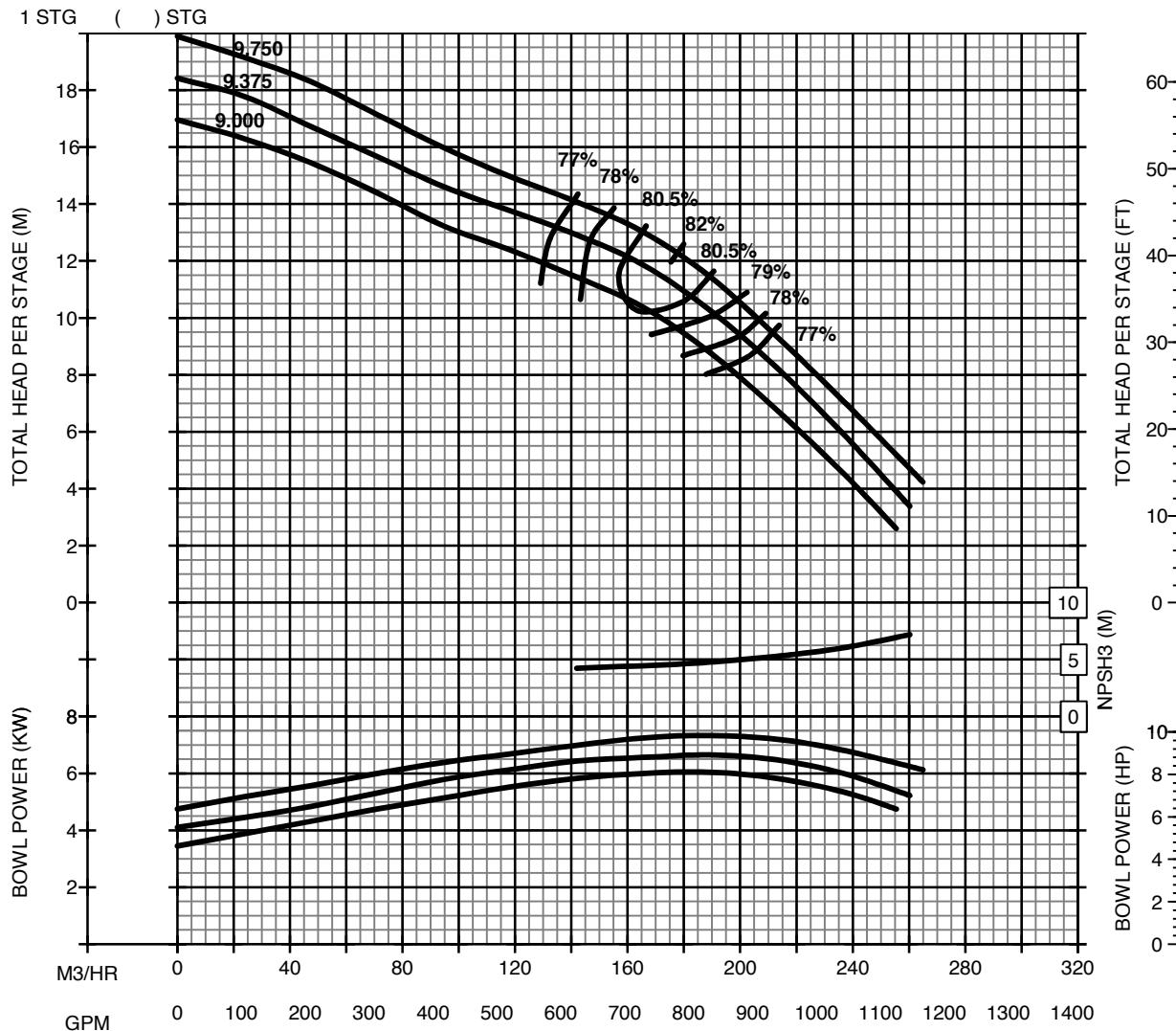
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



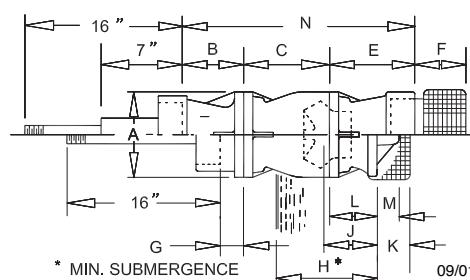
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	4	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.3	SUCTION SIZE:	8"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	14.07	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVE12LC4P5CY

CURVE TEMPLATE 08.05.2011

1475
CURVES

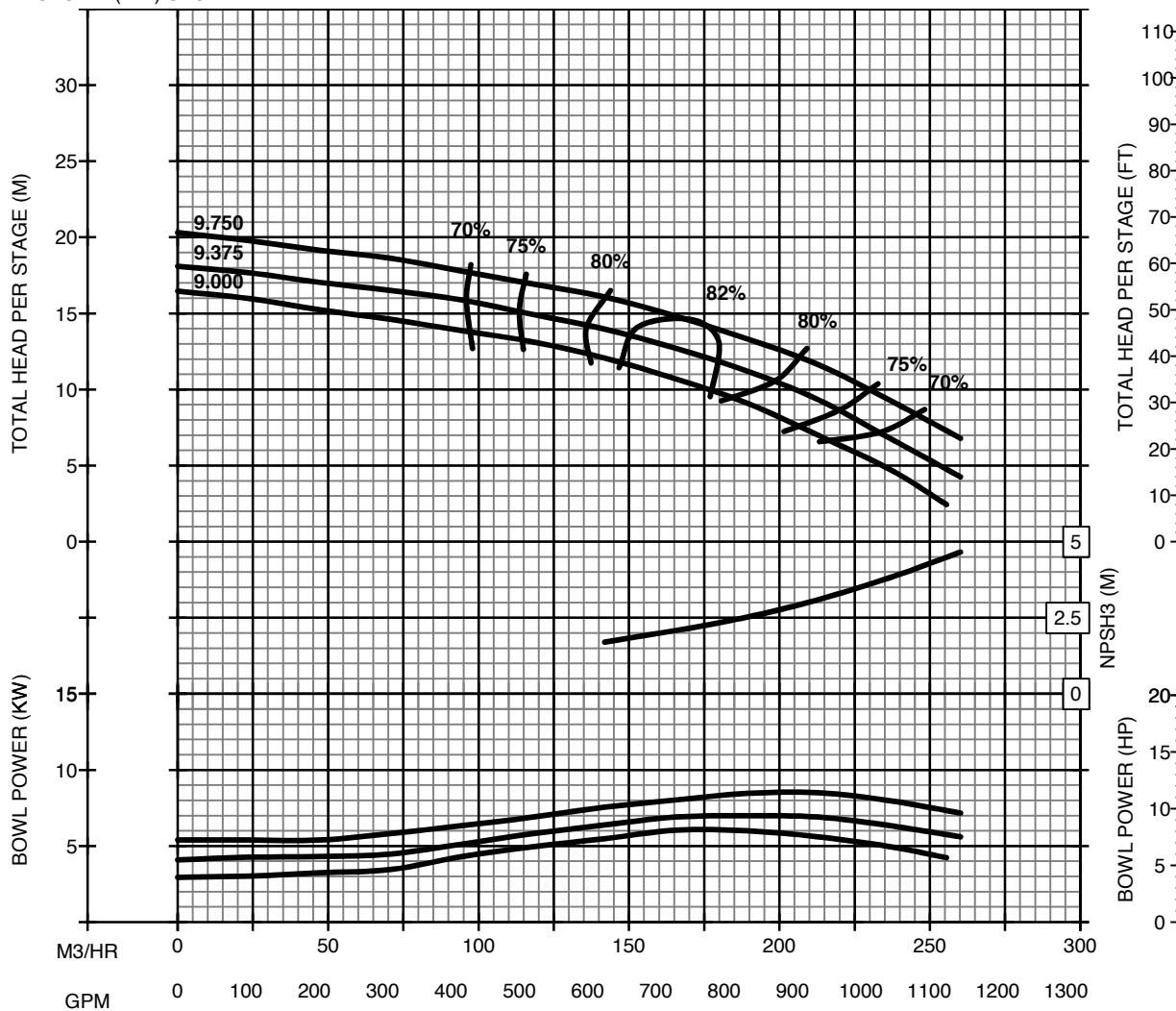
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12XMC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



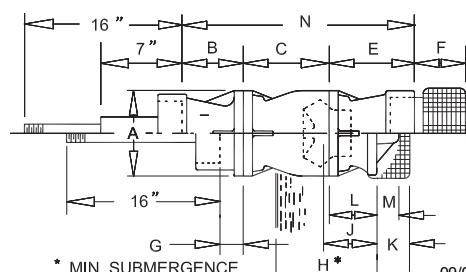
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.9	SUCTION SIZE:	8"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	18.39	WR ² LB-FT ² :	1.51
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVE12XMC4P5CY

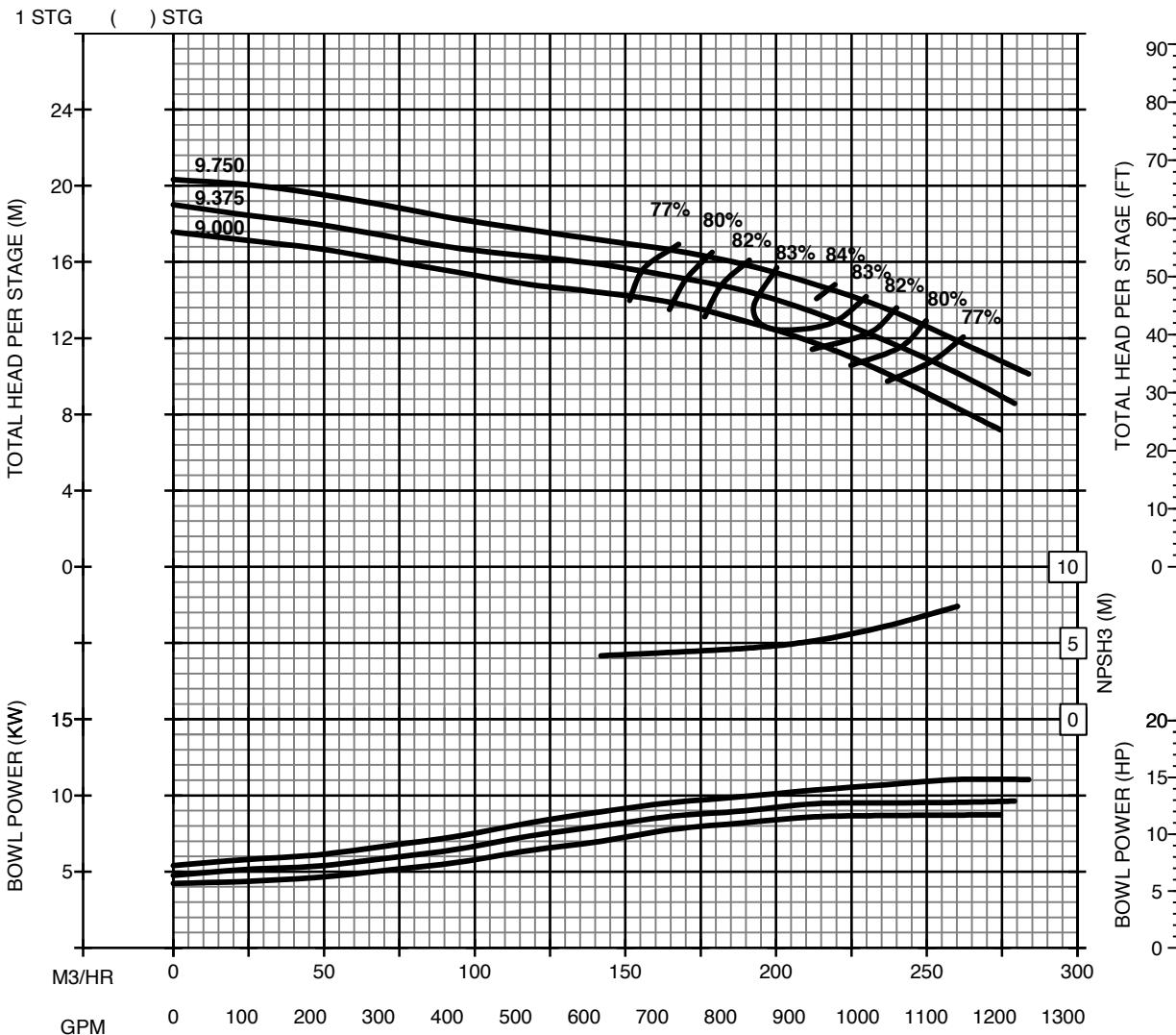
CURVES 1475

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						

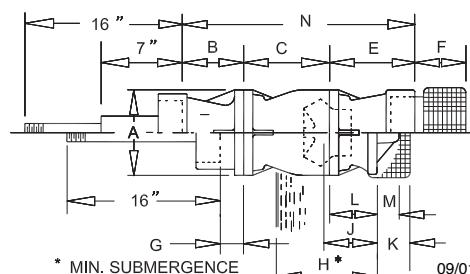


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.3	SUCTION SIZE:	8"
LATERAL (STD):	0.94	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	14.07	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.
PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



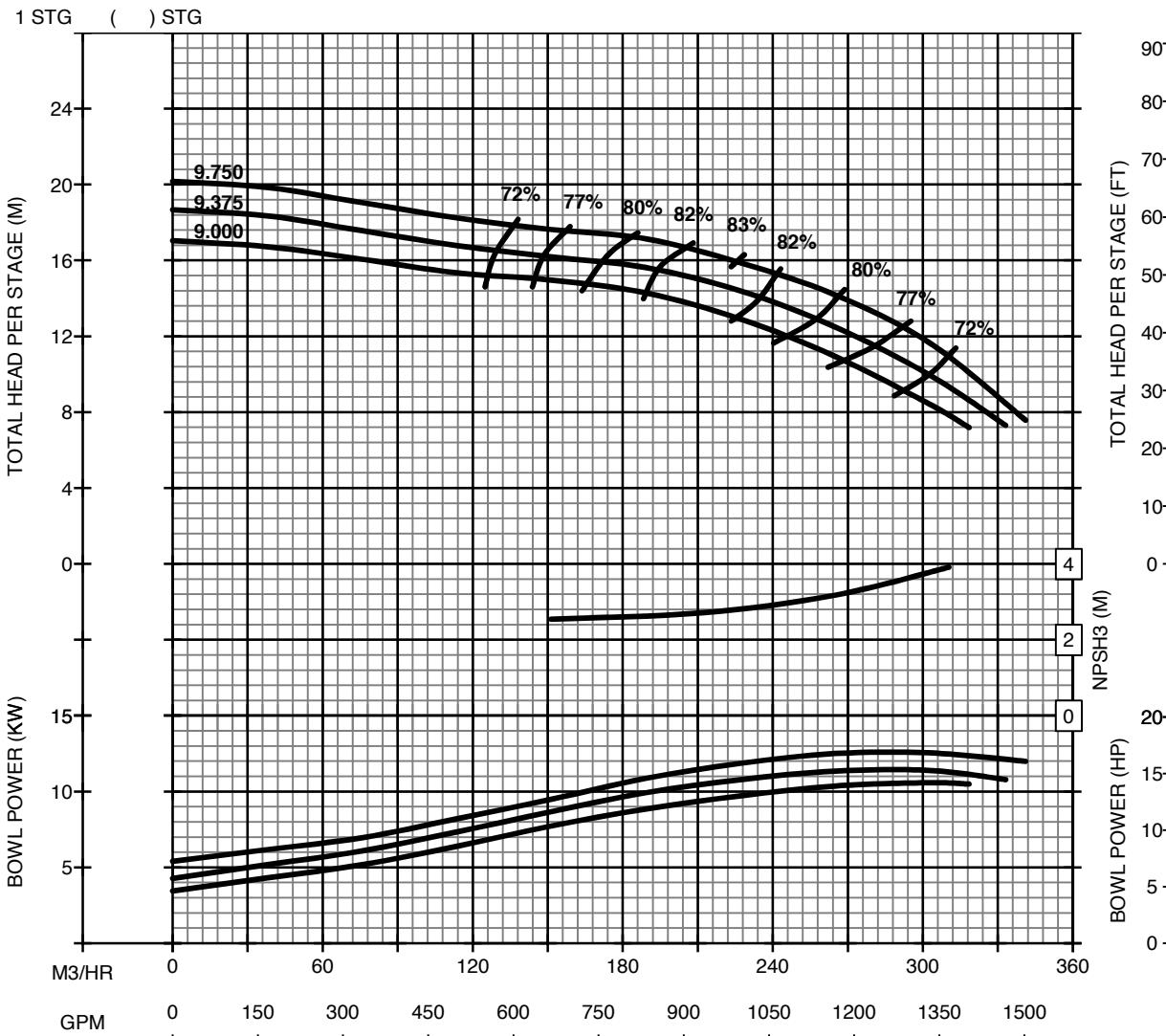
1475
CURVES

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



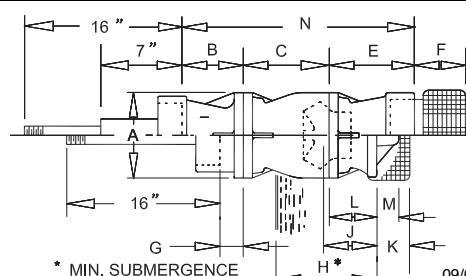
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.3	SUCTION SIZE:	8"
LATERAL (STD):	0.94	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	14.07	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



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CURVE TEMPLATE 08.05.2011



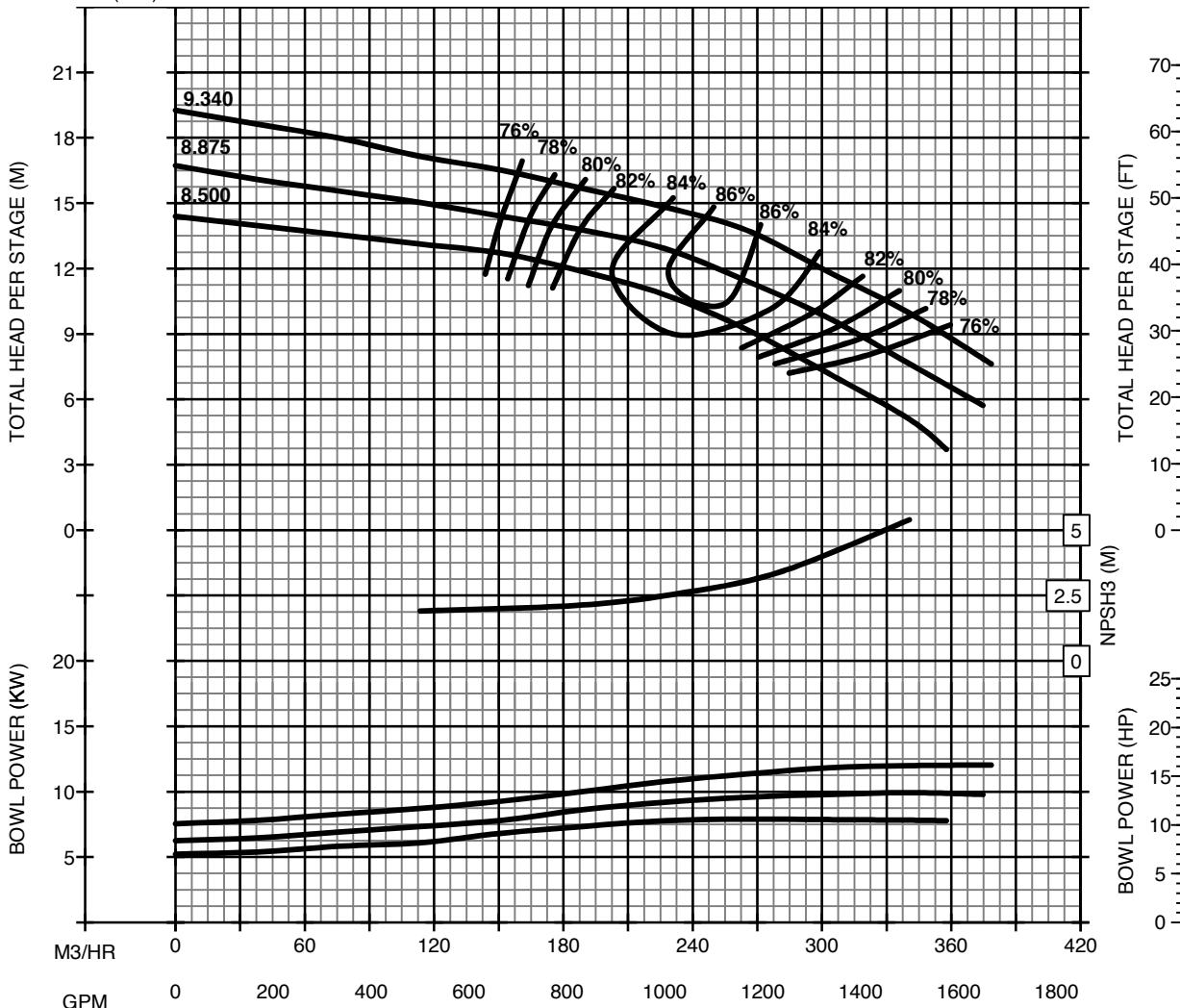
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85°F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K12HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						

1 STG () STG



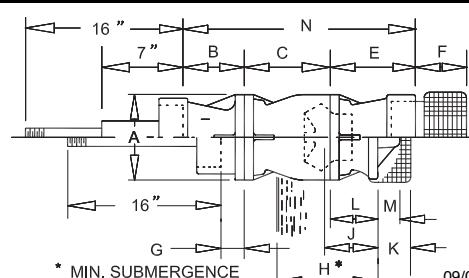
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.63	6.06	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	26.00

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	11.20	SUCTION SIZE:	8"
LATERAL (STD):	0.87	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	21.5	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.6875	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVK12HC4P5CY

CURVE TEMPLATE 08.05.2011

1475
CURVES



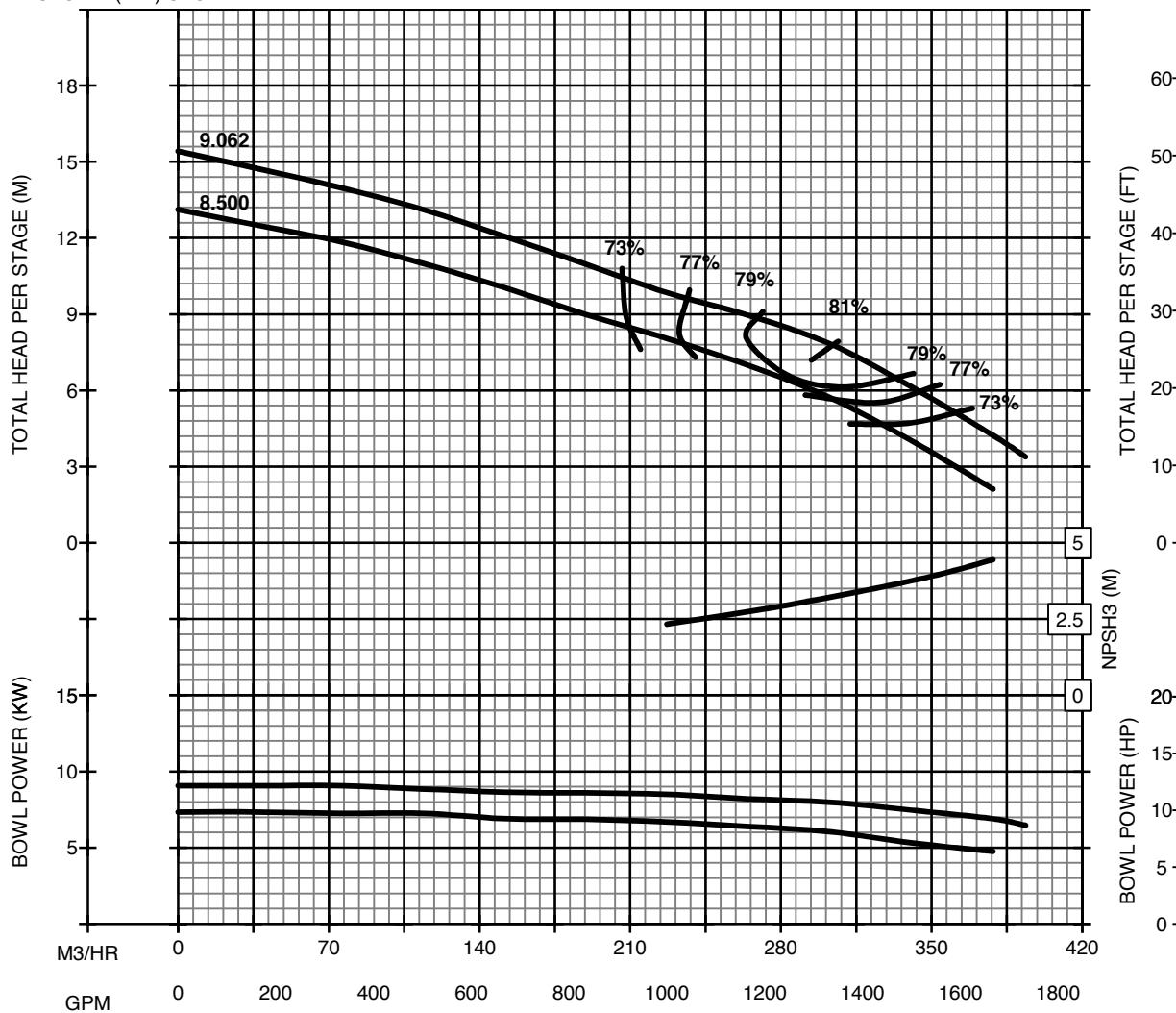
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H12MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	2	3	4	5	DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	-1	0					

1 STG () STG



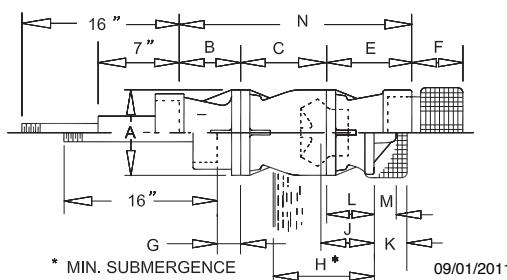
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	8", 10"
THRUST CONSTANT:	15.4	SUCTION SIZE:	10"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3"
EYE AREA IN ² :	33.4	WR ² LB-FT ² :	2.32
SHAFT DIA:	1.687	1ST STG WT LB:	375 ADD STG WT LB: 150

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011 CVH12MC4P5CY

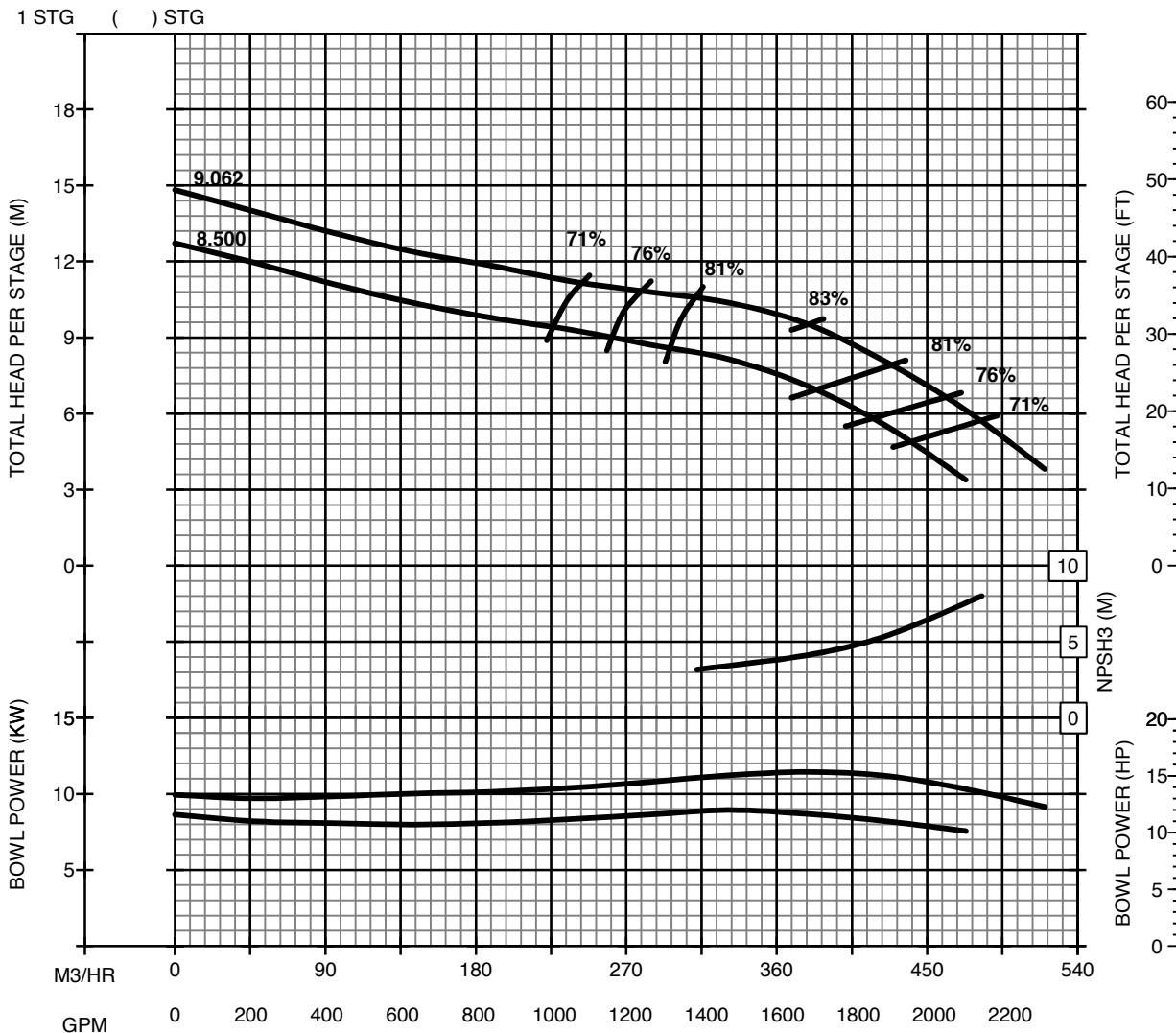
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H12HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	2	3	4	5	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-3	-2	-1	0					

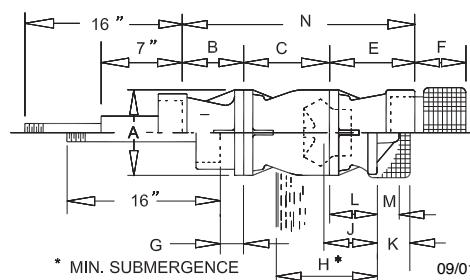


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8", 10"
THRUST CONSTANT:	15.4	SUCTION SIZE:	10"
LATERAL (STD):	1"	STD. TUBE:	2.5", 3"
EYE AREA IN ² :	33.4	WR ² LB-FT ² :	2.32
SHAFT DIA:	1.687	1ST STG WT LB:	375 ADD STG WT LB: 150

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.
PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011
CVH12HC4P5CY

CURVE TEMPLATE 08.05.2011

1475
CURVES

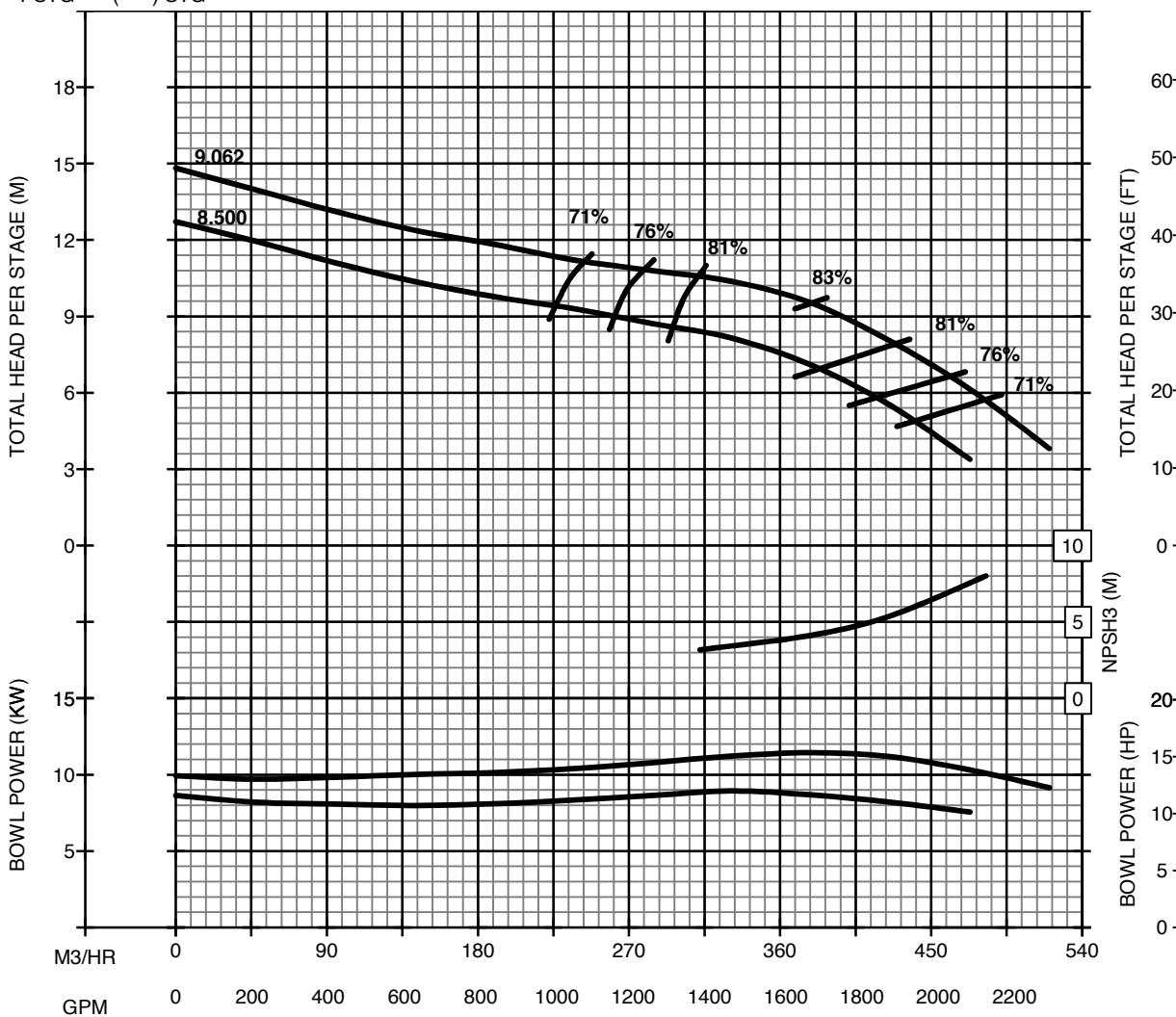
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H12HO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	2	3	4	5	DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	-1	0					

1 STG () STG



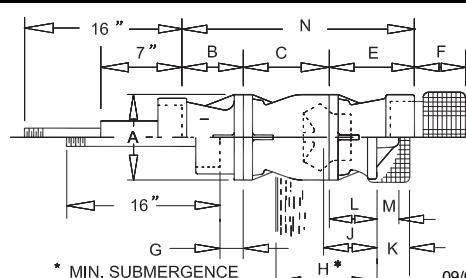
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8", 10"
THRUST CONSTANT:	15.4	SUCTION SIZE:	10"
LATERAL (STD):	1"	STD. TUBE:	2.5", 3"
EYE AREA IN ² :	33.4	WR ² LB-FT ² :	2.32
SHAFT DIA:	1.687	1ST STG WT LB:	375 ADD STG WT LB: 150

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

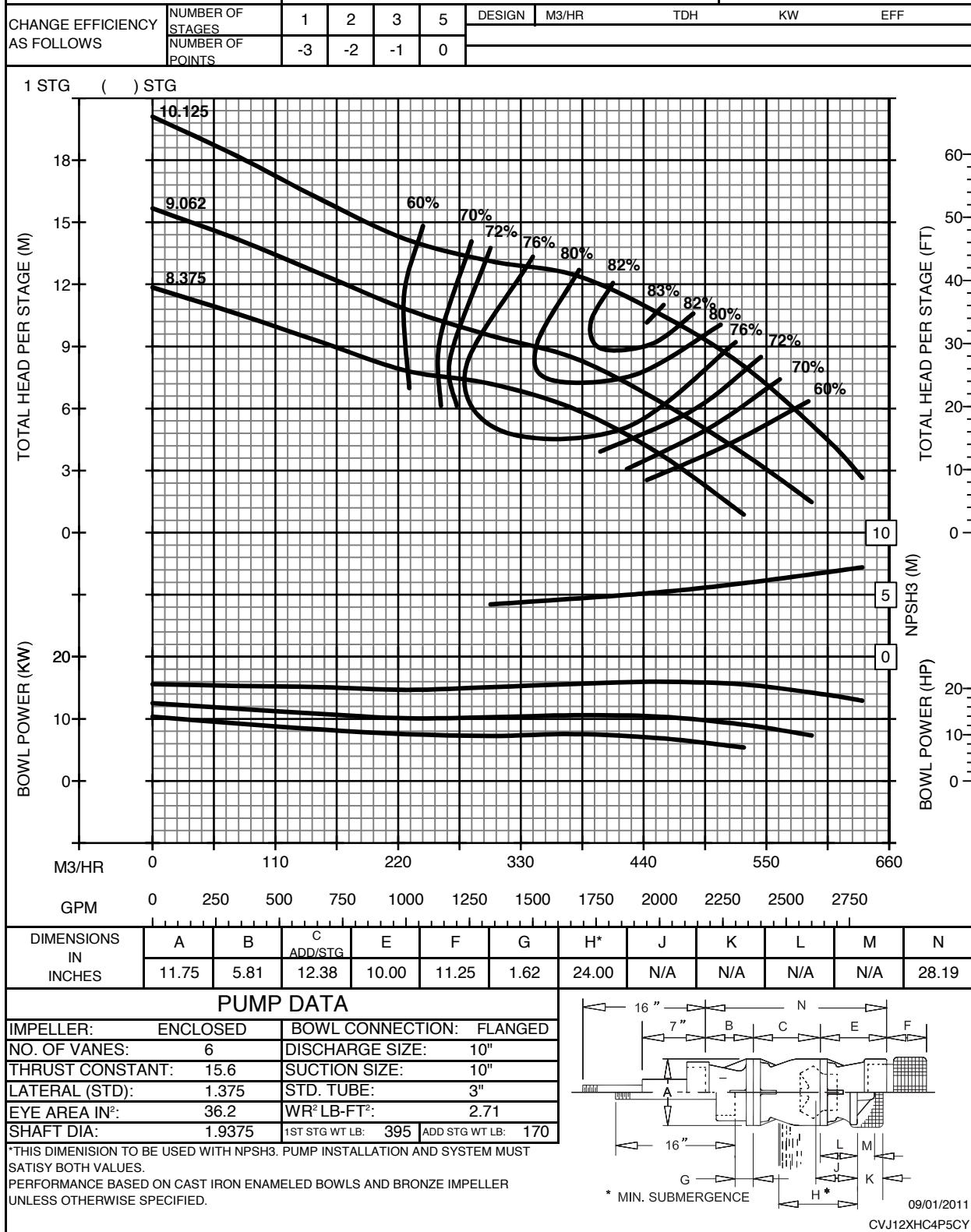
CVH12HO4P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J12XHC
1475 RPM

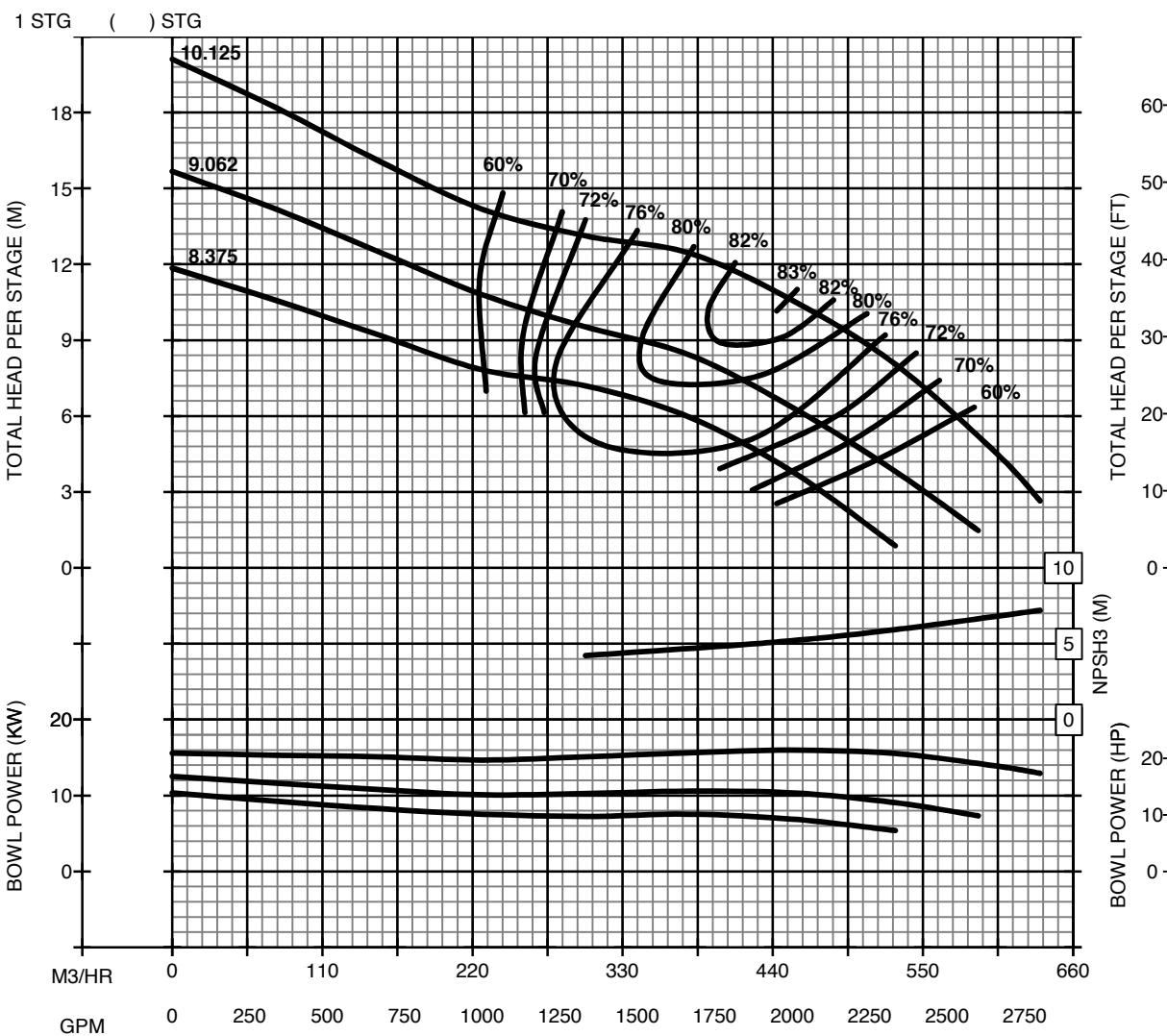


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J12XHO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	5	DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	-1	0					



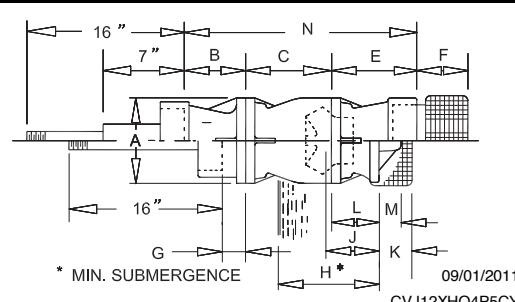
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.75	5.81	12.38	10.00	11.25	1.62	24.00	N/A	N/A	N/A	N/A	28.19

PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	10"
THRUST CONSTANT:	15.6	SUCTION SIZE:	10"
LATERAL (STD):	1.375	STD. TUBE:	3"
EYE AREA IN ² :	36.2	WR ² LB-FT ² :	2.71
SHAFT DIA:	1.9375	1ST STG WT LB:	395 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVJ12XHO4P5CY

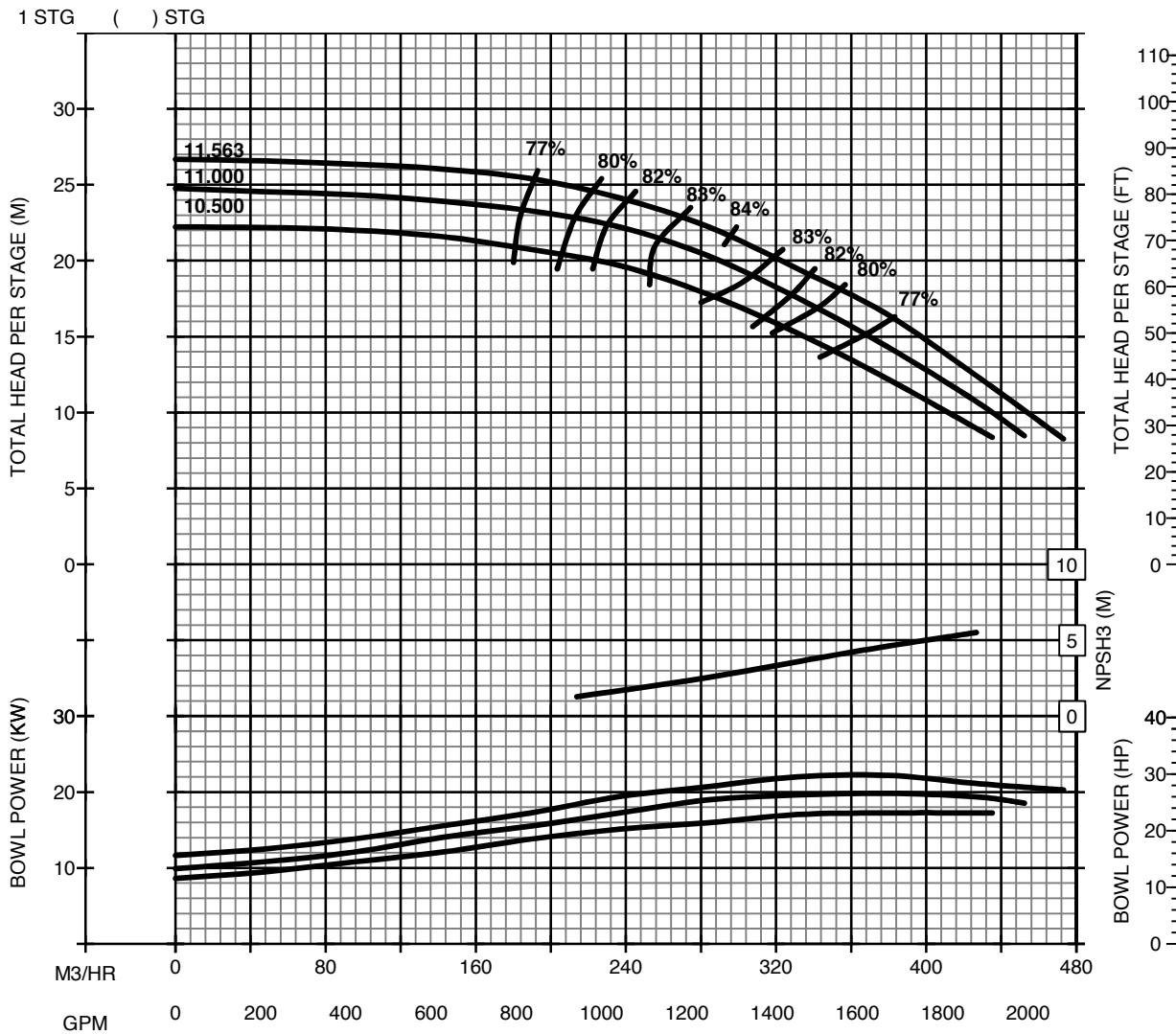
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M14MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



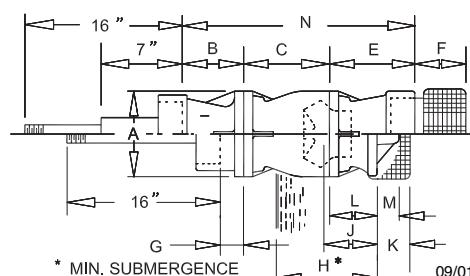
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	1.12	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB-FT ² :	3.62
SHAFT DIA:	1.937	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011
CVM14MC4P5CY

CURVE TEMPLATE 08.05.2011

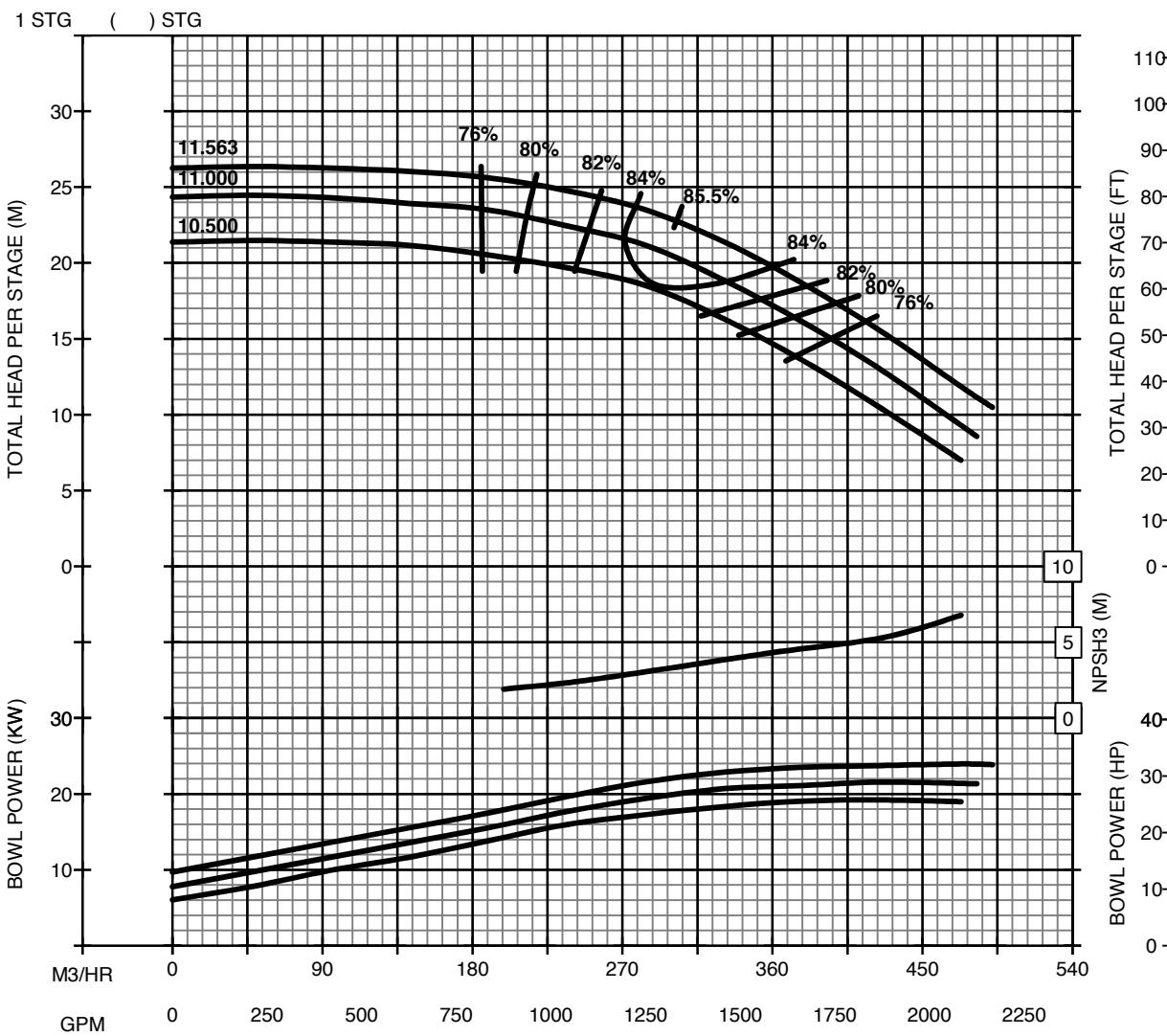
175
CURVES

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M14HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



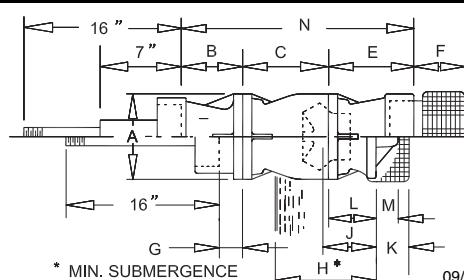
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	1.12	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB-FT ² :	3.62
SHAFT DIA:	1.9375	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVM14HC4P5CY

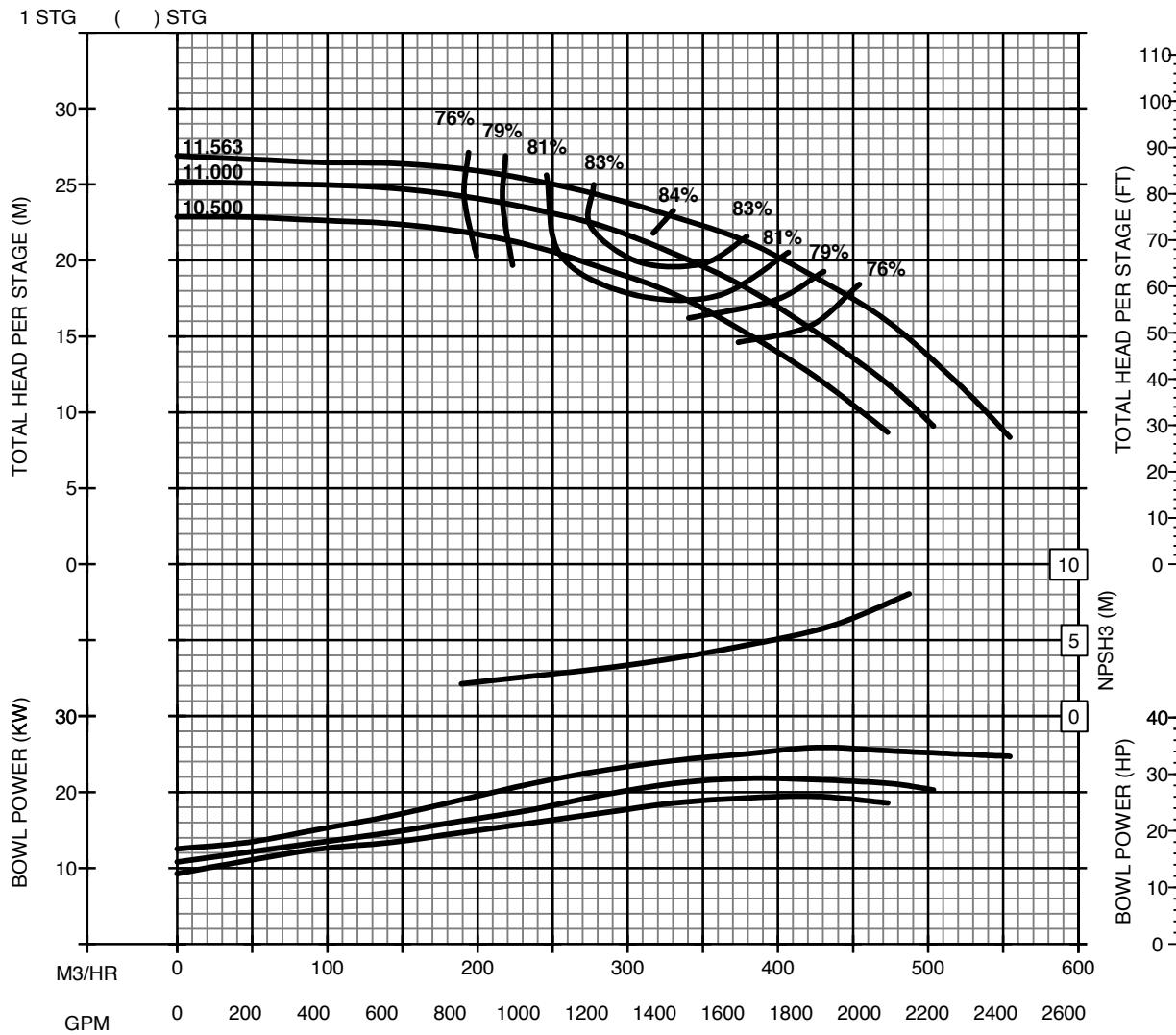
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M14XHC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



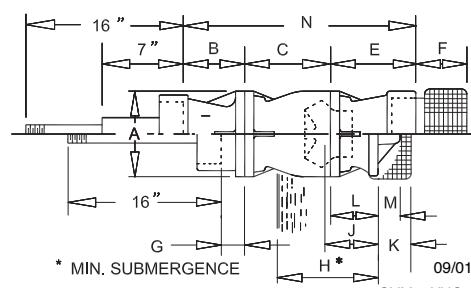
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	0.88"	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB-FT ² :	3.62
SHAFT DIA:	1.937	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

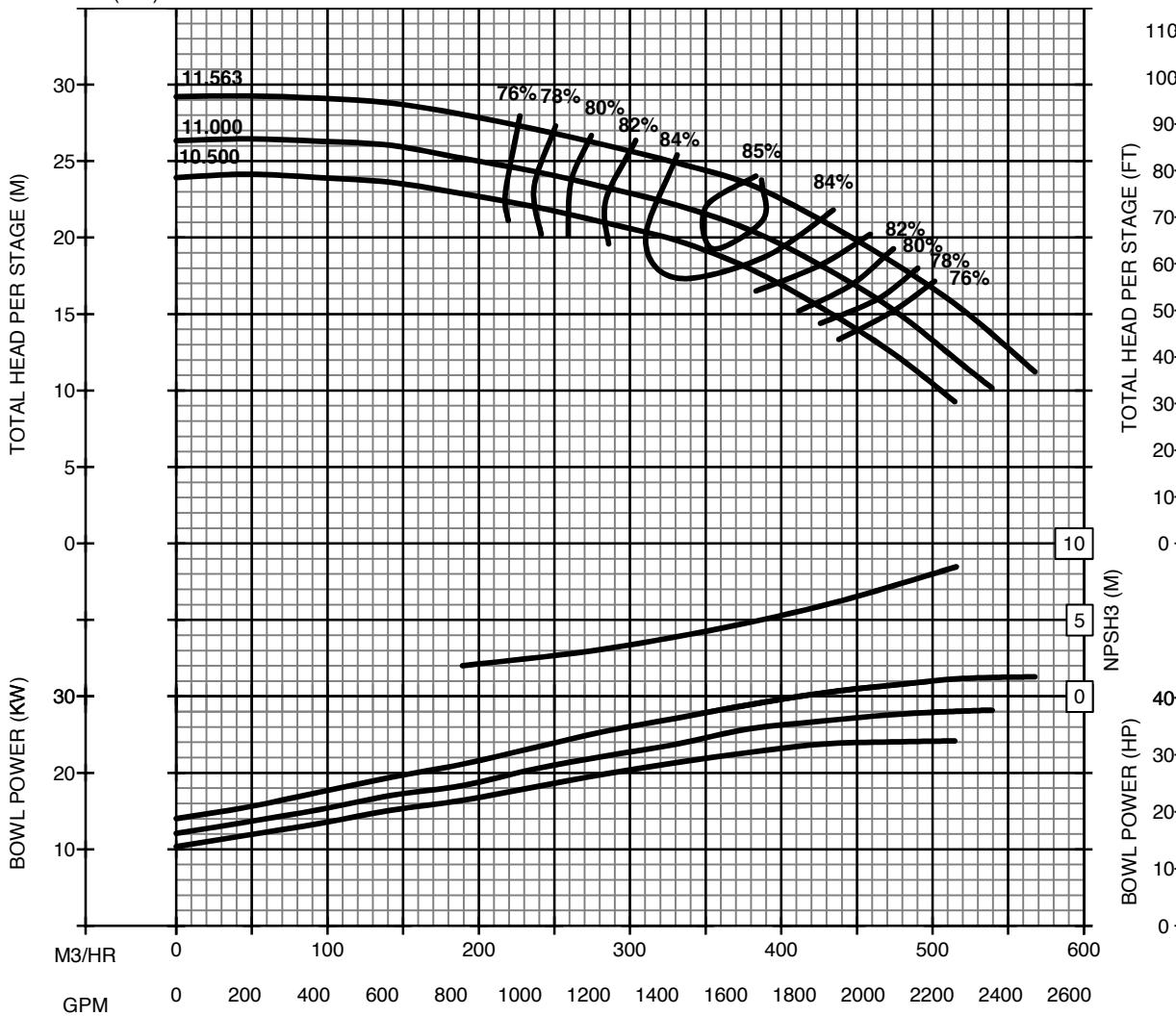


M14XXHC

1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



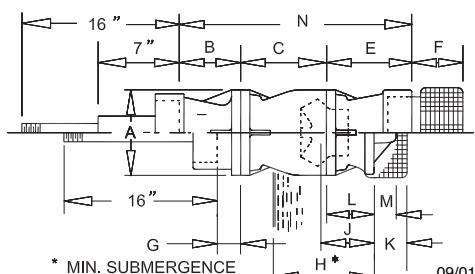
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	0.88"	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB-FT ² :	3.62
SHAFT DIA:	1.937	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVM14XXHC4P5CY

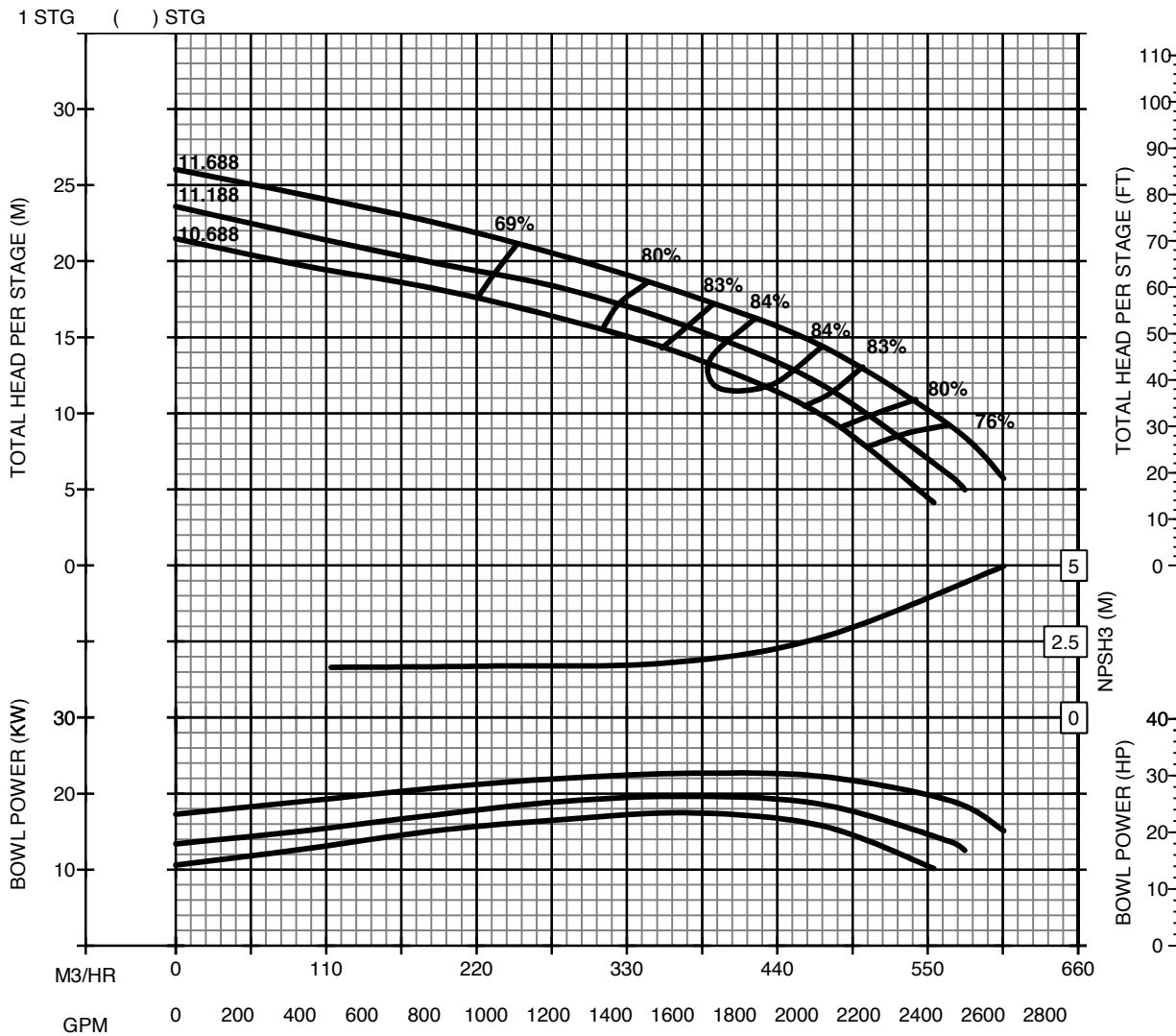
CURVES 1475

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H14LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-4	-2	0						



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G**	H*	J	K	L	M	N
	14.12	6.44	14.12	12.25	11.25	0.56	25.00	8.75	12.06	7.38	2.81	32.81

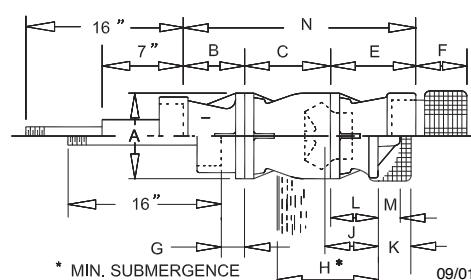
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	20.3	SUCTION SIZE:	10"
LATERAL (STD):	1.25	STD. TUBE:	3.5"
EYE AREA IN ² :	39.0	WR ² LB-FT ² :	4.15
SHAFT DIA:	2.187	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**1.81 WITH 12" DISCHARGE

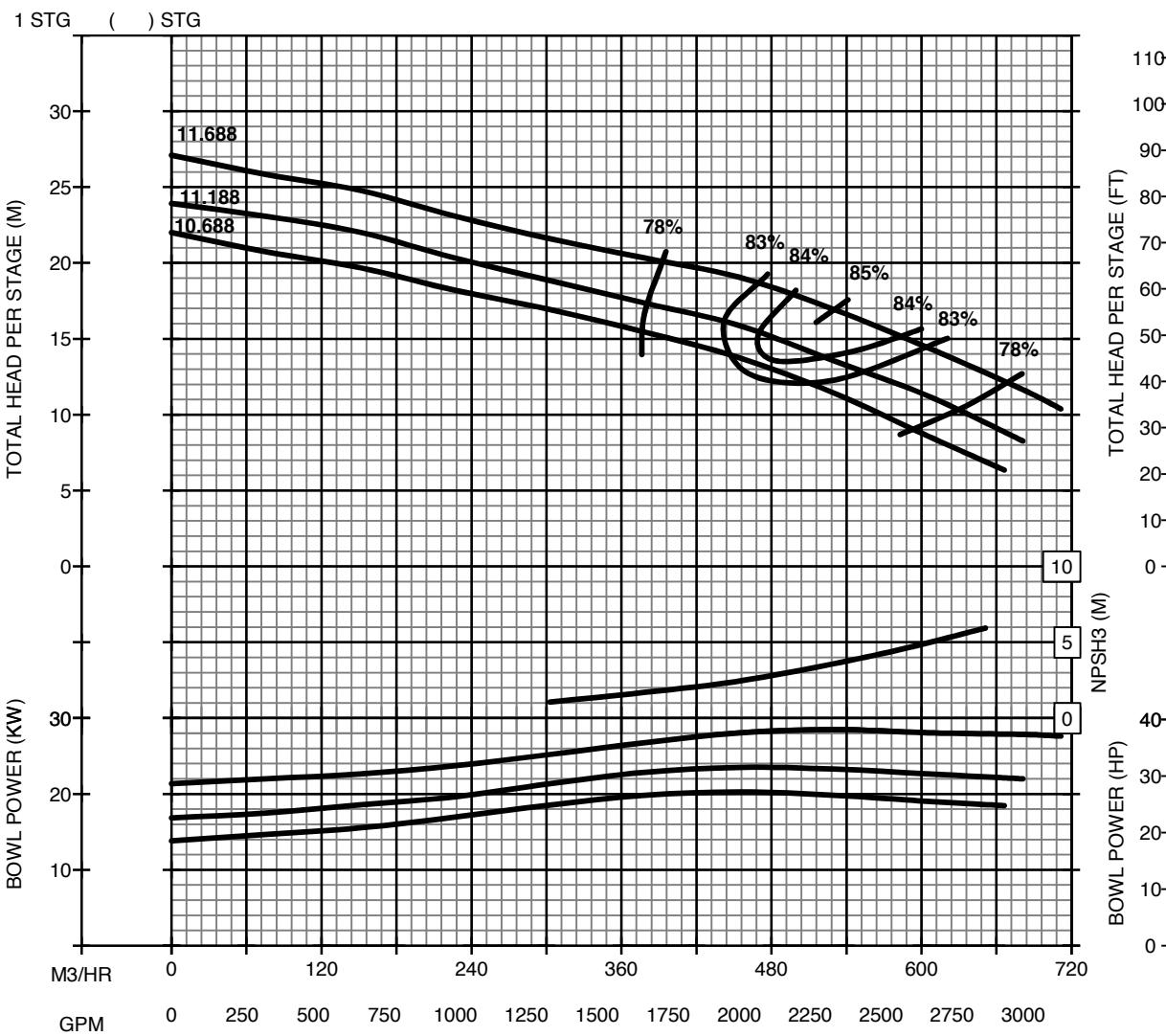


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H14MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-4	-2	0						



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G**	H*	J	K	L	M	N
	14.12	6.44	14.12	12.25	11.25	0.56	25.00	8.75	12.06	7.38	2.81	32.81

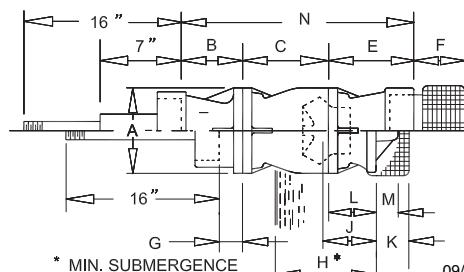
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	20.3	SUCTION SIZE:	10"
LATERAL (STD):	1.25	STD. TUBE:	3.5"
EYE AREA IN ² :	38.96	WR ² LB-FT ² :	4.15
SHAFT DIA:	2.187	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**1.81 WITH 12" DISCHARGE



*

MIN. SUBMERGENCE

09/01/2011

CVH14MC4P5CY

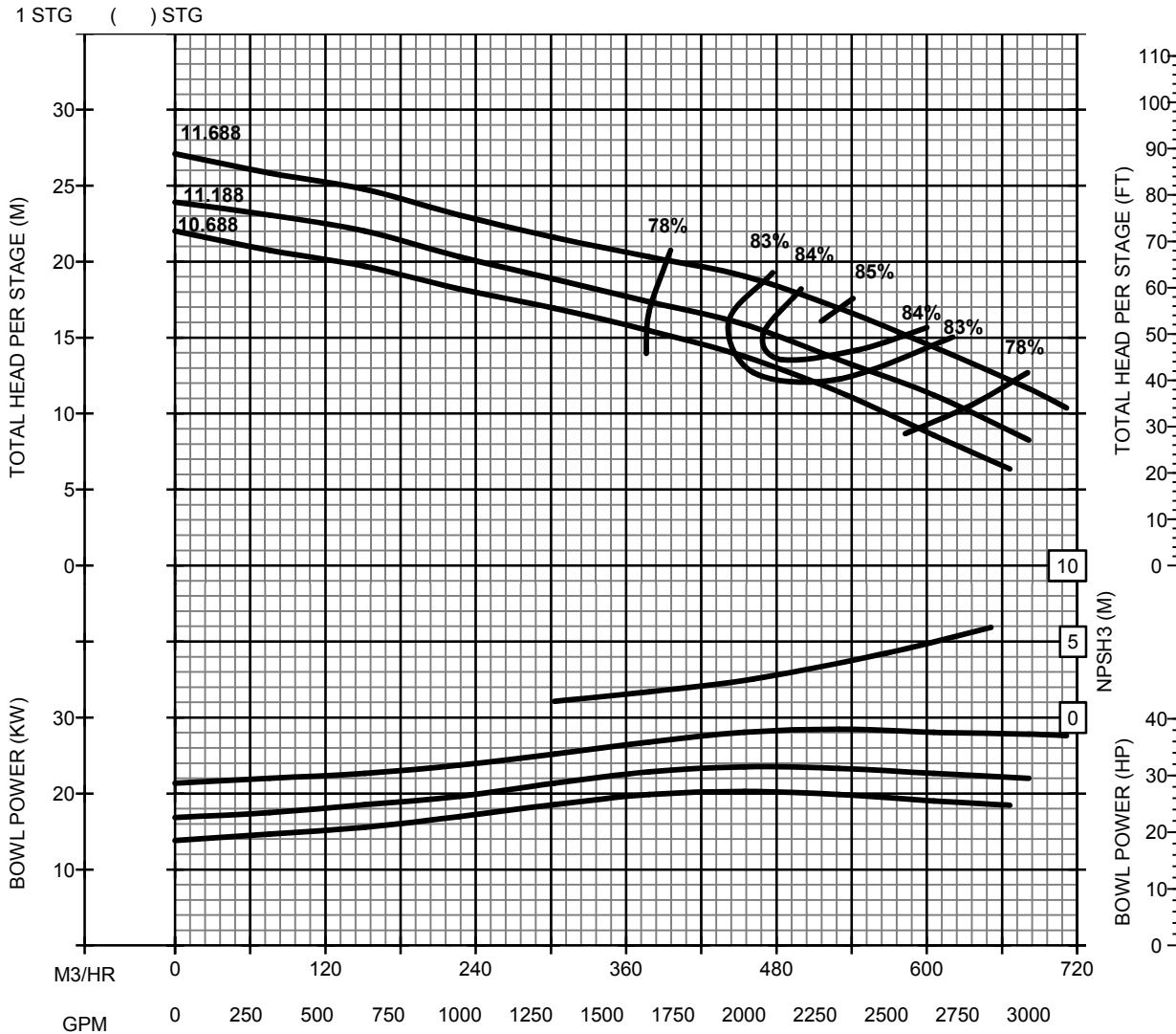
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H14MO
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN M3/HR	TDH	KW	EFF
		-4	-2	0					



DIMENSIONS IN INCHES	A	B	C	E	F	G**	H*	J	K	L	M	N
	14.12	6.44	14.12	12.25	11.25	0.56	25.00	8.75	N/A	N/A	N/A	32.81

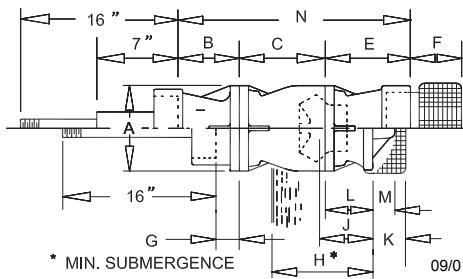
PUMP DATA

IMPELLER:	SEMI-OPEN	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	20.3	SUCTION SIZE:	10"
LATERAL (STD):	1.25	STD. TUBE:	3.5"
EYE AREA IN ² :	38.96	WR ² LB-FT ² :	4.15
SHAFT DIA:	2.187	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

**1.81 WITH 12" DISCHARGE



* MIN. SUBMERGENCE

09/01/2011

CVH14MO4P5CY

CURVE TEMPLATE 08.05.2011

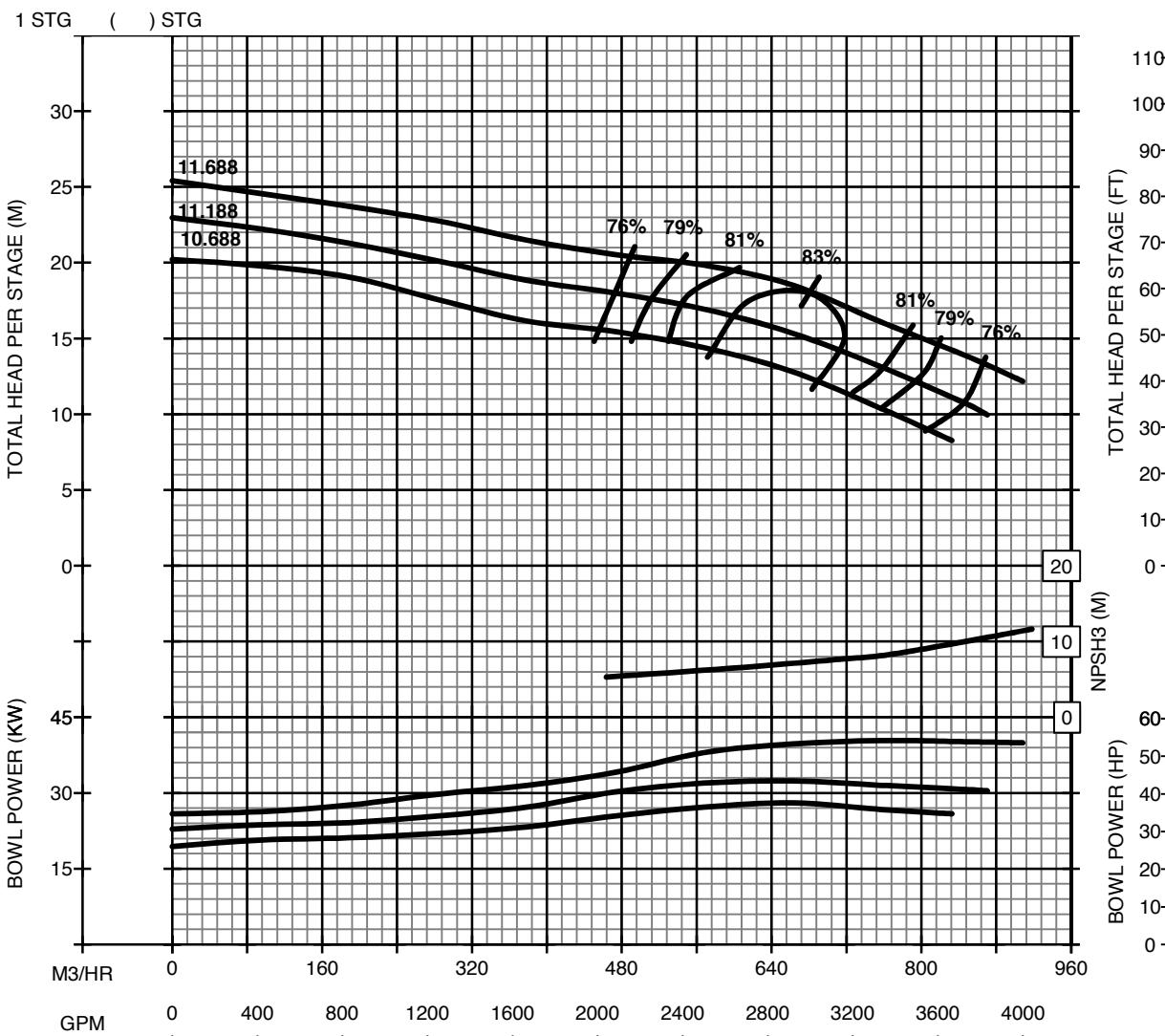


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H14XHC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN M3/HR	TDH	KW	EFF
		-4	-2	0					



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G**	H*	J	K	L	M	N
	14.12	6.44	14.12	12.25	11.25	0.56	25.00	8.75	12.06	7.38	2.81	32.81

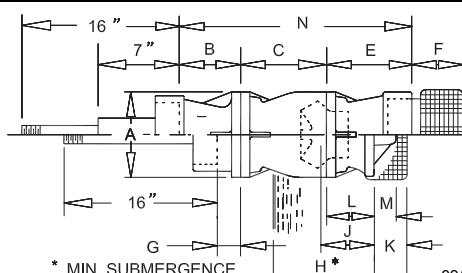
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	20.3	SUCTION SIZE:	10"
LATERAL (STD):	1.12"	STD. TUBE:	3.5"
EYE AREA IN ² :	38.96	WR ² LB-FT ² :	4.52
SHAFT DIA:	2.187	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

**1.81 WITH 12" DISCHARGE



* MIN. SUBMERGENCE
09/01/2011
CVH14XHC4P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

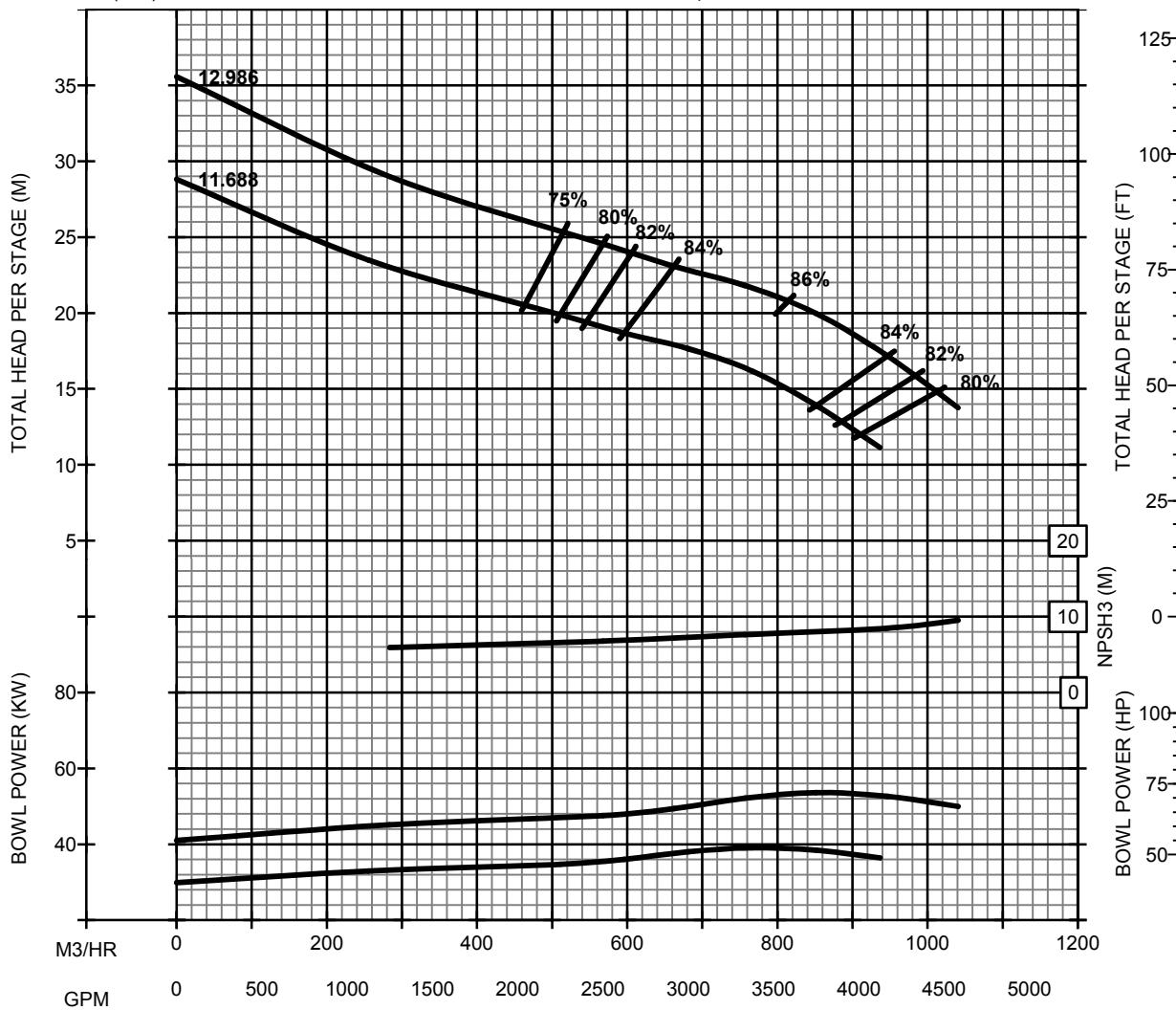


H16MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-4	-2	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



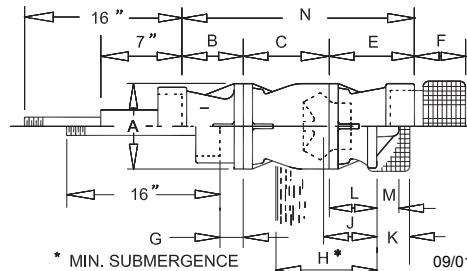
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	12"
THRUST CONSTANT:	27.80	SUCTION SIZE:	BELL
LATERAL (STD):	0.94	STD. TUBE:	3.5"
EYE AREA IN ² :	58.7	WR ² LB-FT ² :	9.15
SHAFT DIA:	2.19	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
CVH16MC4P5CY
09/01/2011

CURVE TEMPLATE 08.05.2011



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

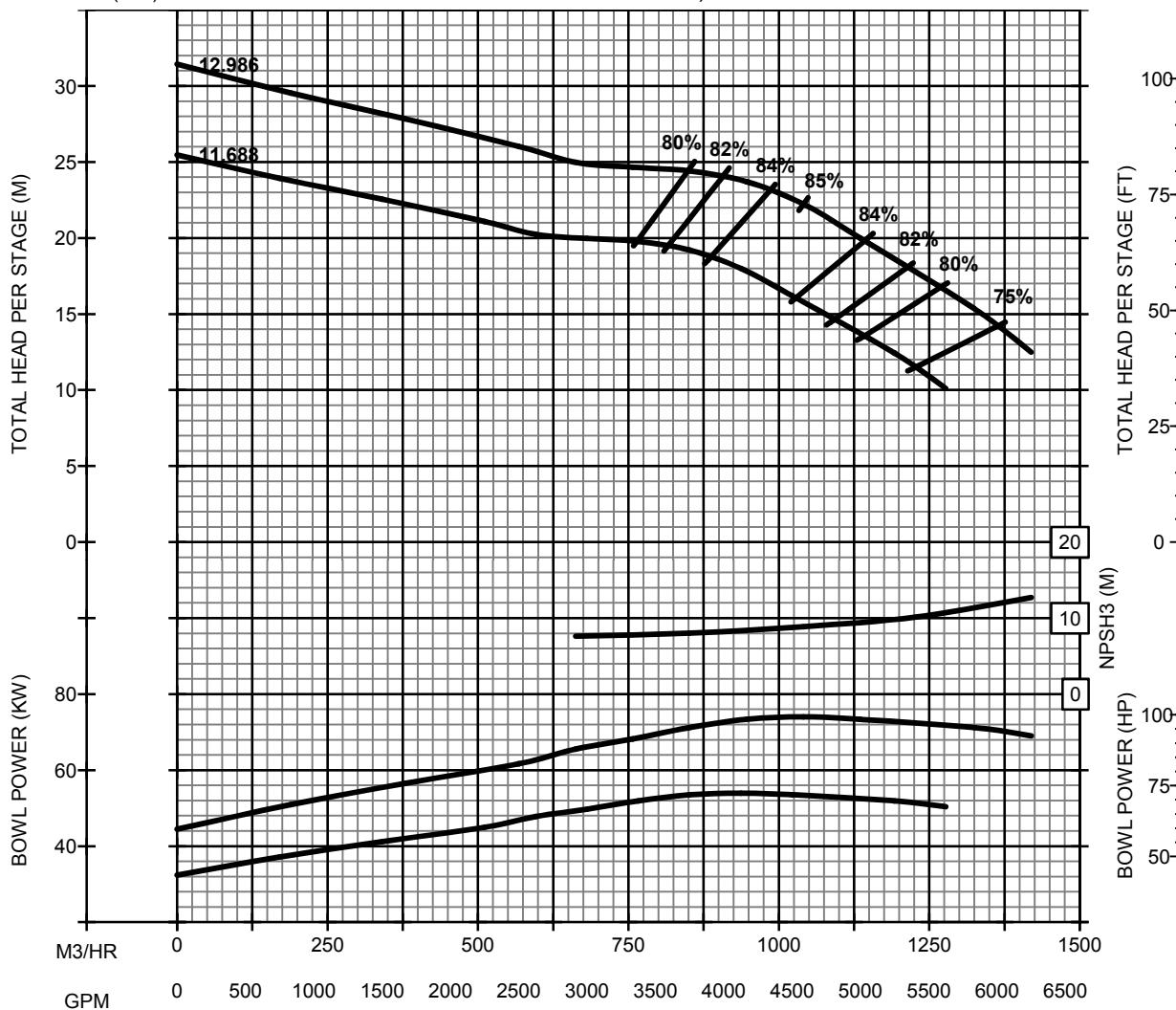


H16XHC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-4	-2	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



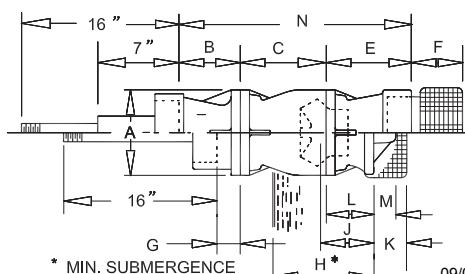
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	12"
THRUST CONSTANT:	27.80	SUCTION SIZE:	BELL
LATERAL (STD):	0.94	STD. TUBE:	3.5"
EYE AREA IN ² :	58.7	WR ² LB-FT ² :	9.15
SHAFT DIA:	2.19	1ST STG WT LB:	540 ADD STG WT LB:
			200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

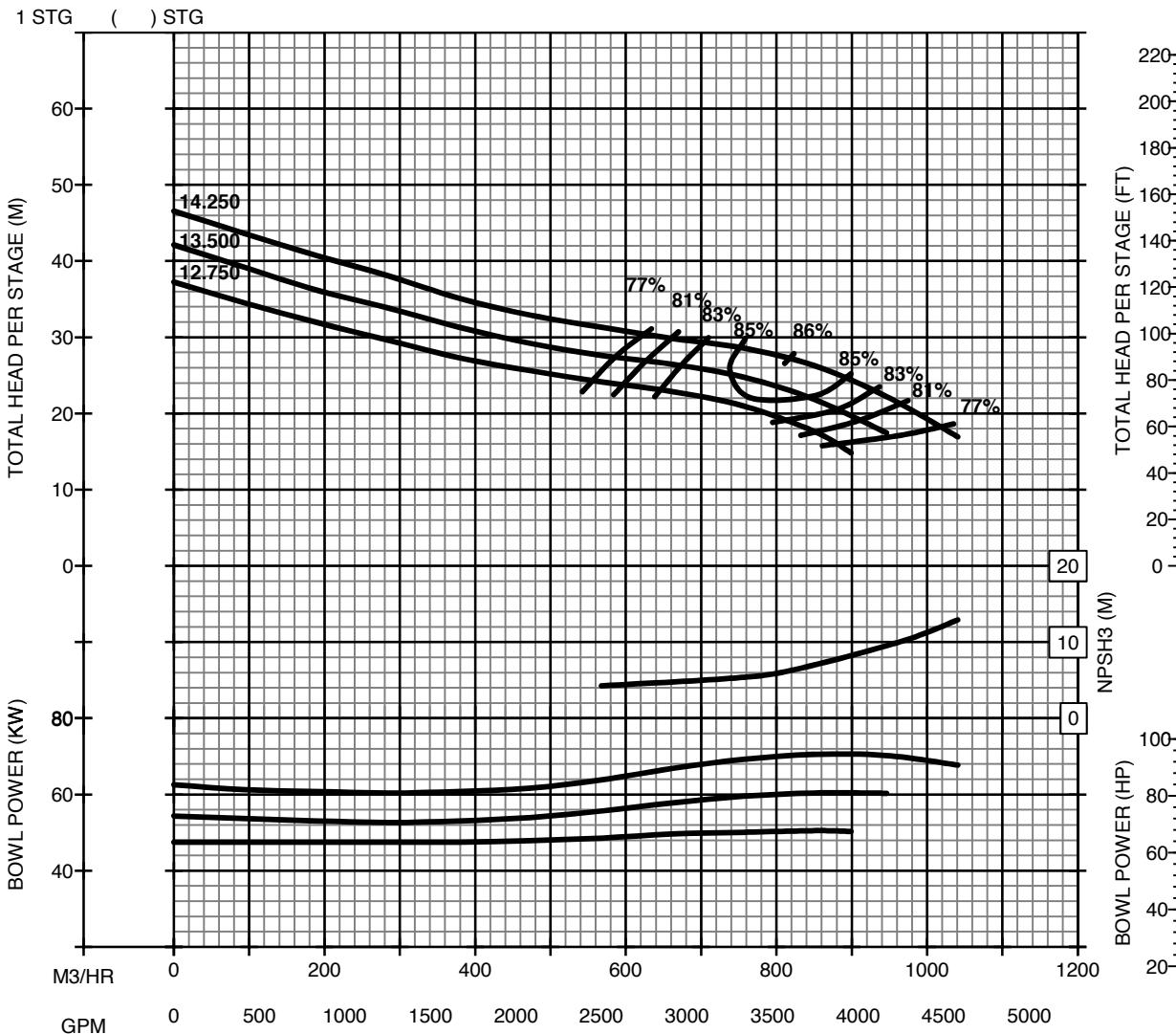


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E18LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



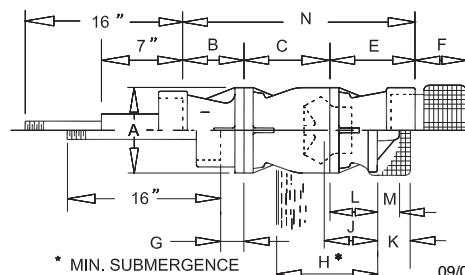
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN ² :	63.88	WR ² LB-FT ² :	9.01
SHAFT DIA:	2.187	1ST STG WT LB:	492 ADD STG WT LB: 315

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVE18LC4P5CY

CURVE TEMPLATE 08.05.2011

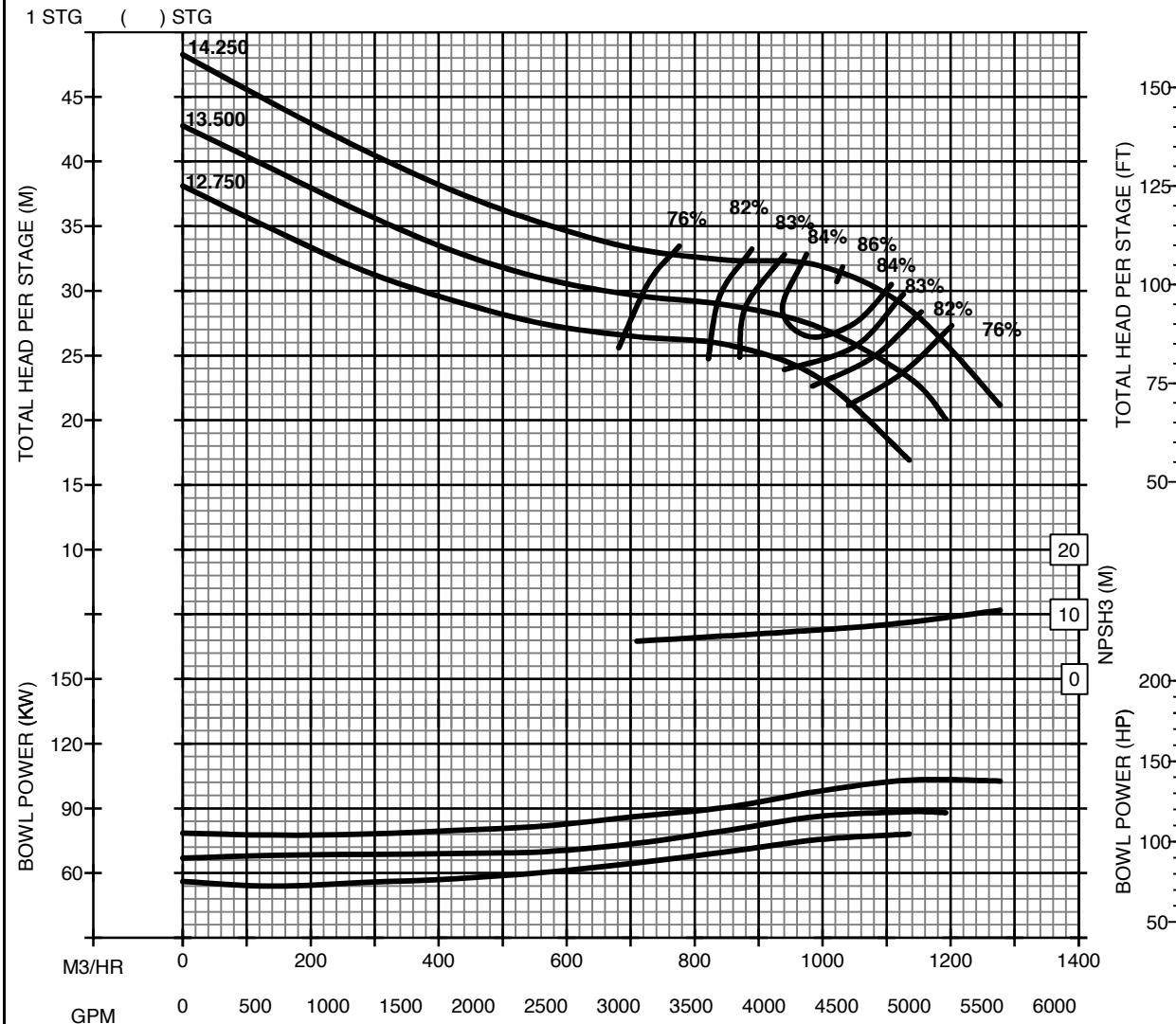


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E18HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



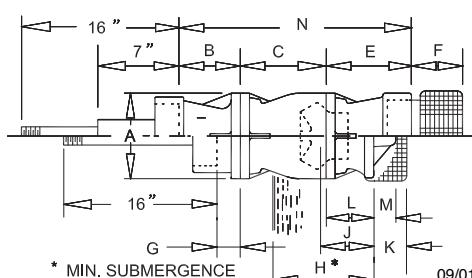
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN ² :	63.88	WR ² LB-FT ² :	9.26
SHAFT DIA:	2.187	1ST STG WT LB:	492 ADD STG WT LB: 315

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVE18HC4P5CY

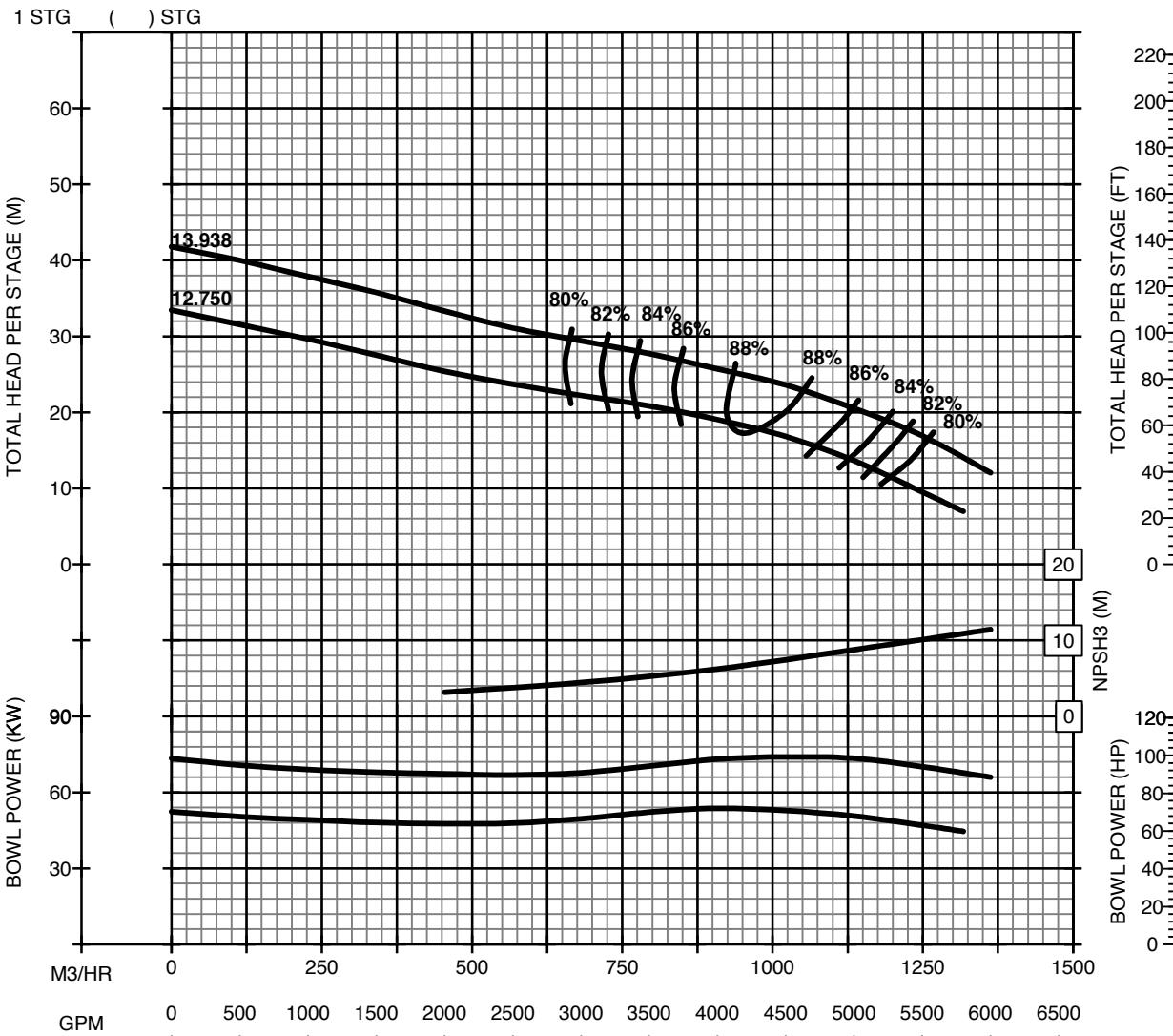
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20LC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-2	0						



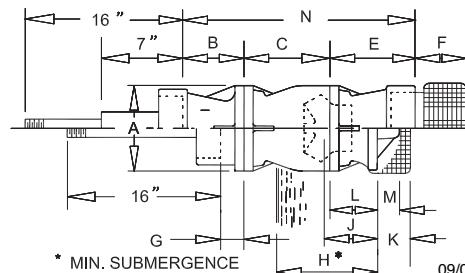
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVK20LC4P5CY

CURVE TEMPLATE 08.05.2011

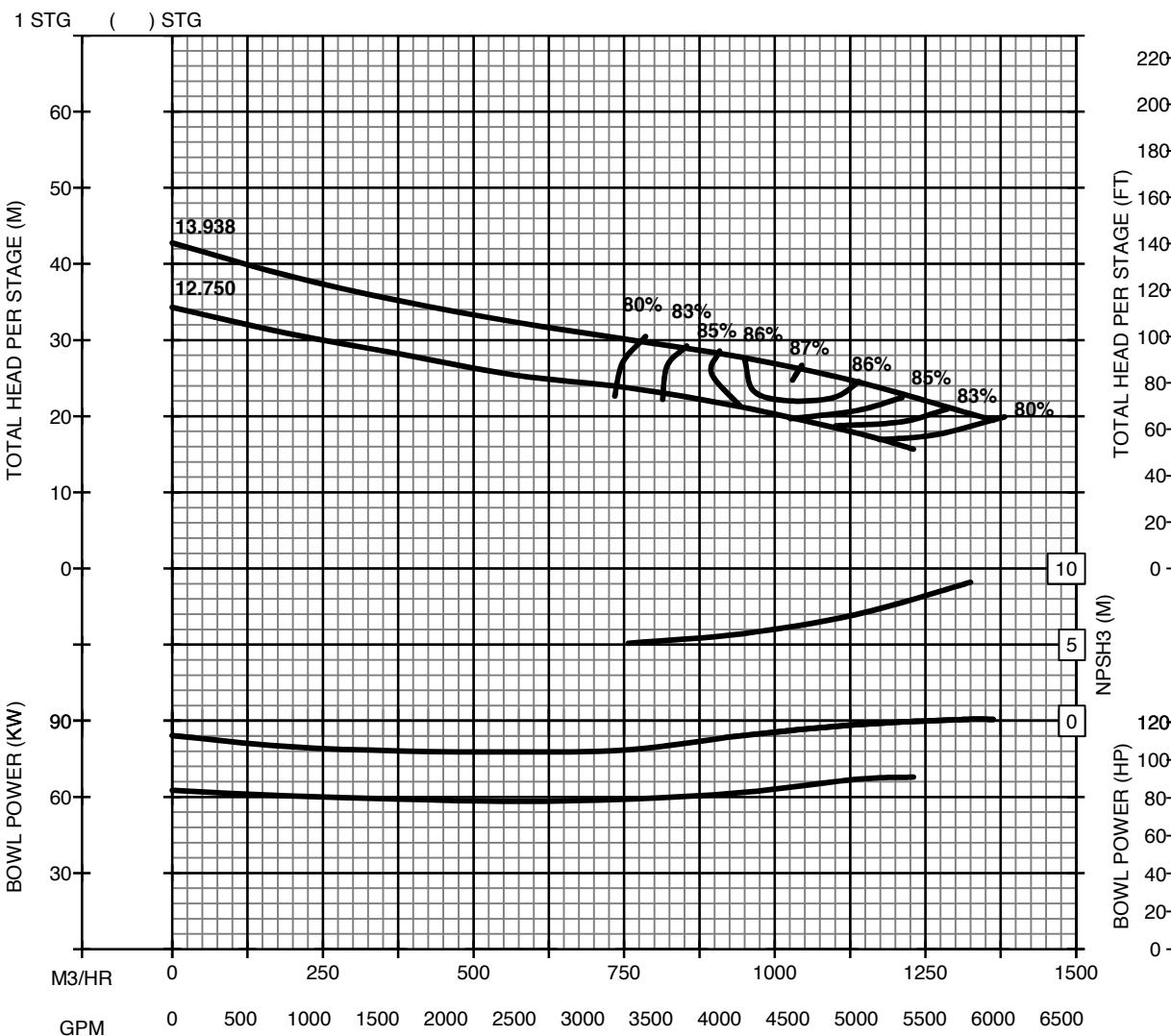
175
CURVES

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20MC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN M3/HR	TDH	KW	EFF
		-2	0						



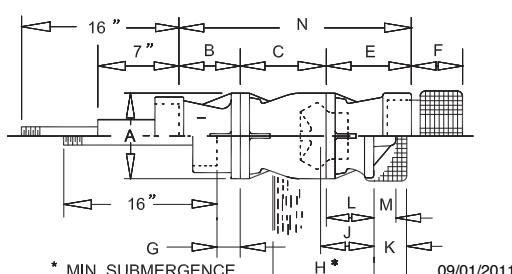
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

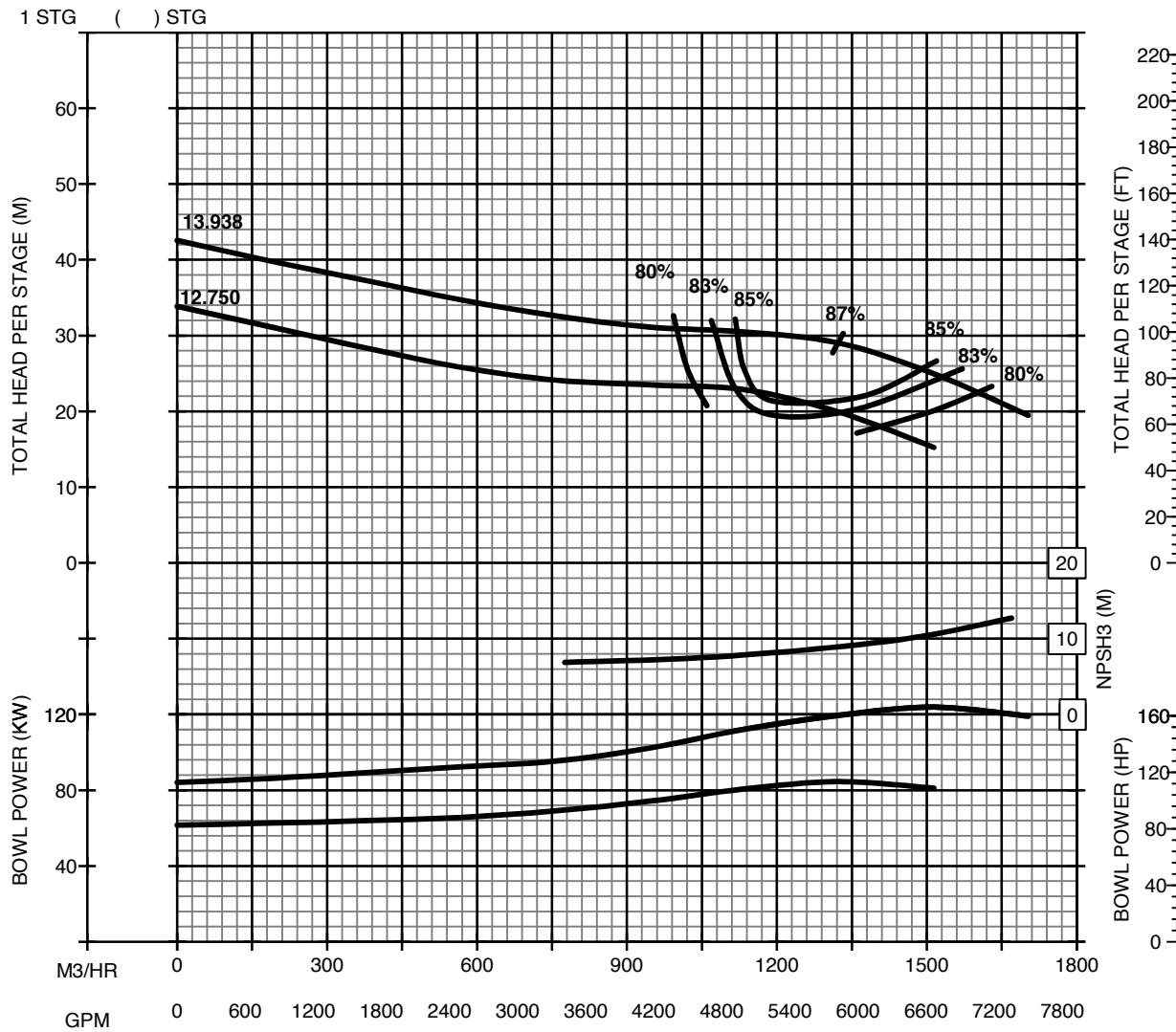


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20HC
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-2	0					



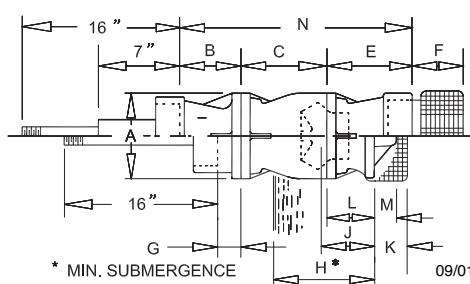
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

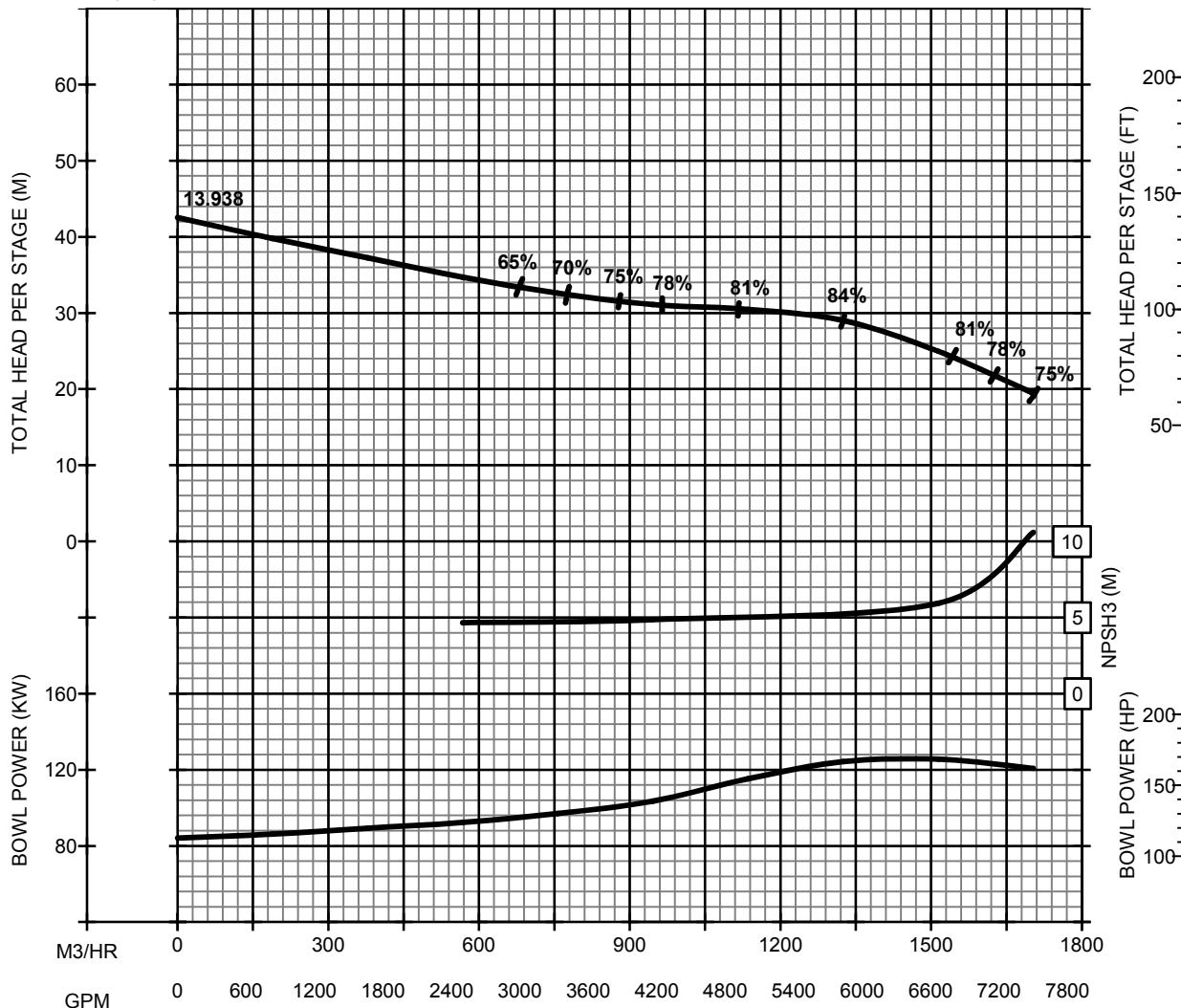


K20HC-S

1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	DESIGN				TDH	KW	EFF
		-	-	-	-			
	NUMBER OF POINTS	-	-	-	-			

1 STG () STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

PUMP DATA

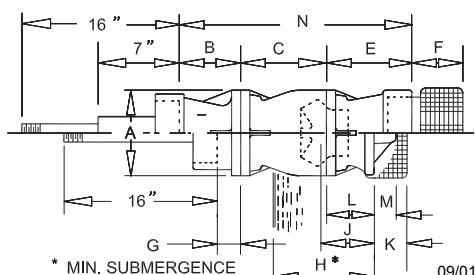
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NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	35.2	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	83.91	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**BELL DIAMETER IS 20.65

LOW NPSH IMPELLER FOR 1ST STG ONLY



* MIN. SUBMERGENCE

09/01/2011

CVK20HC-S4P5CY

CURVE TEMPLATE 08.05.2011

NOTES

1475
CURVES

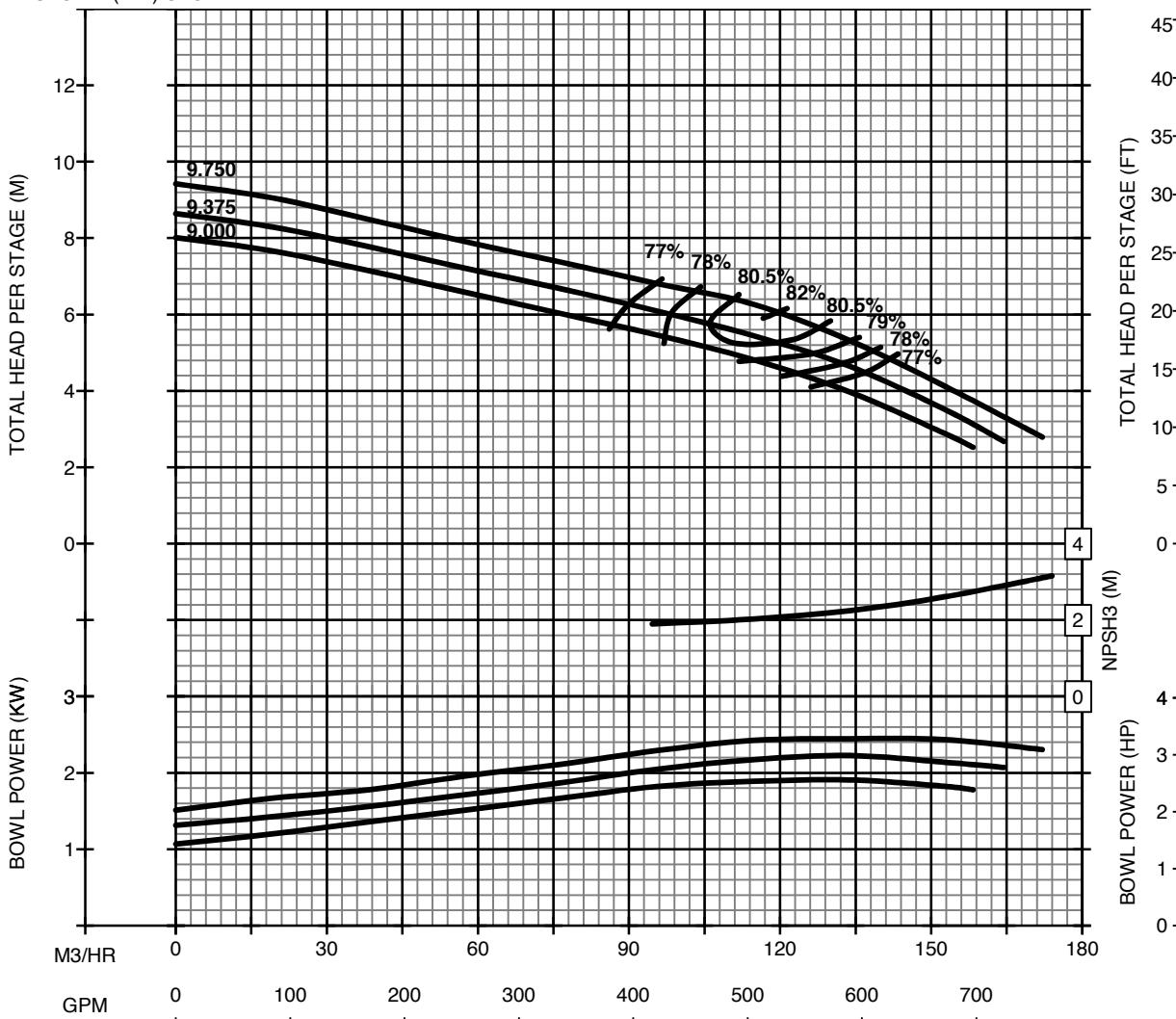
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12LC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



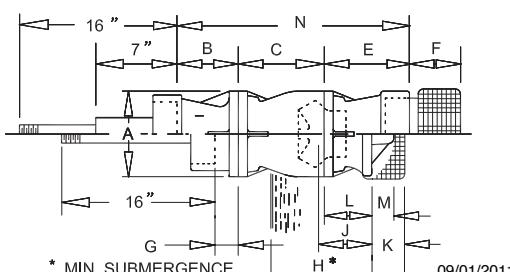
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	4	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.3	SUCTION SIZE:	8"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	14.07	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVE12LC6P5CY

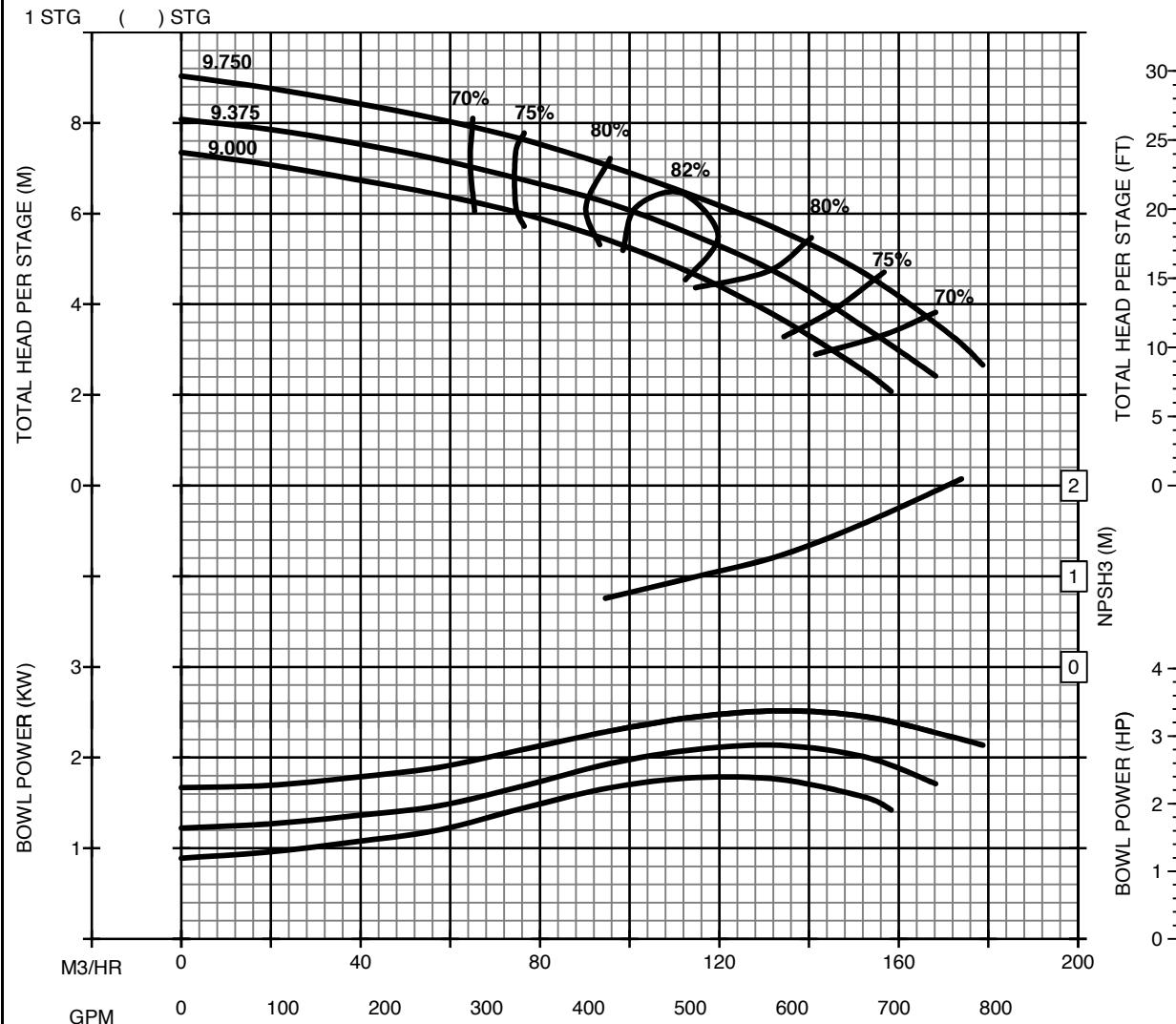
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12XMC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



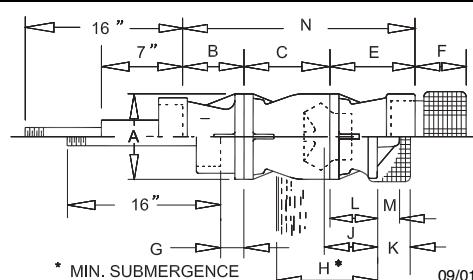
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.9	SUCTION SIZE:	8"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	14.07	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



CURVES
985

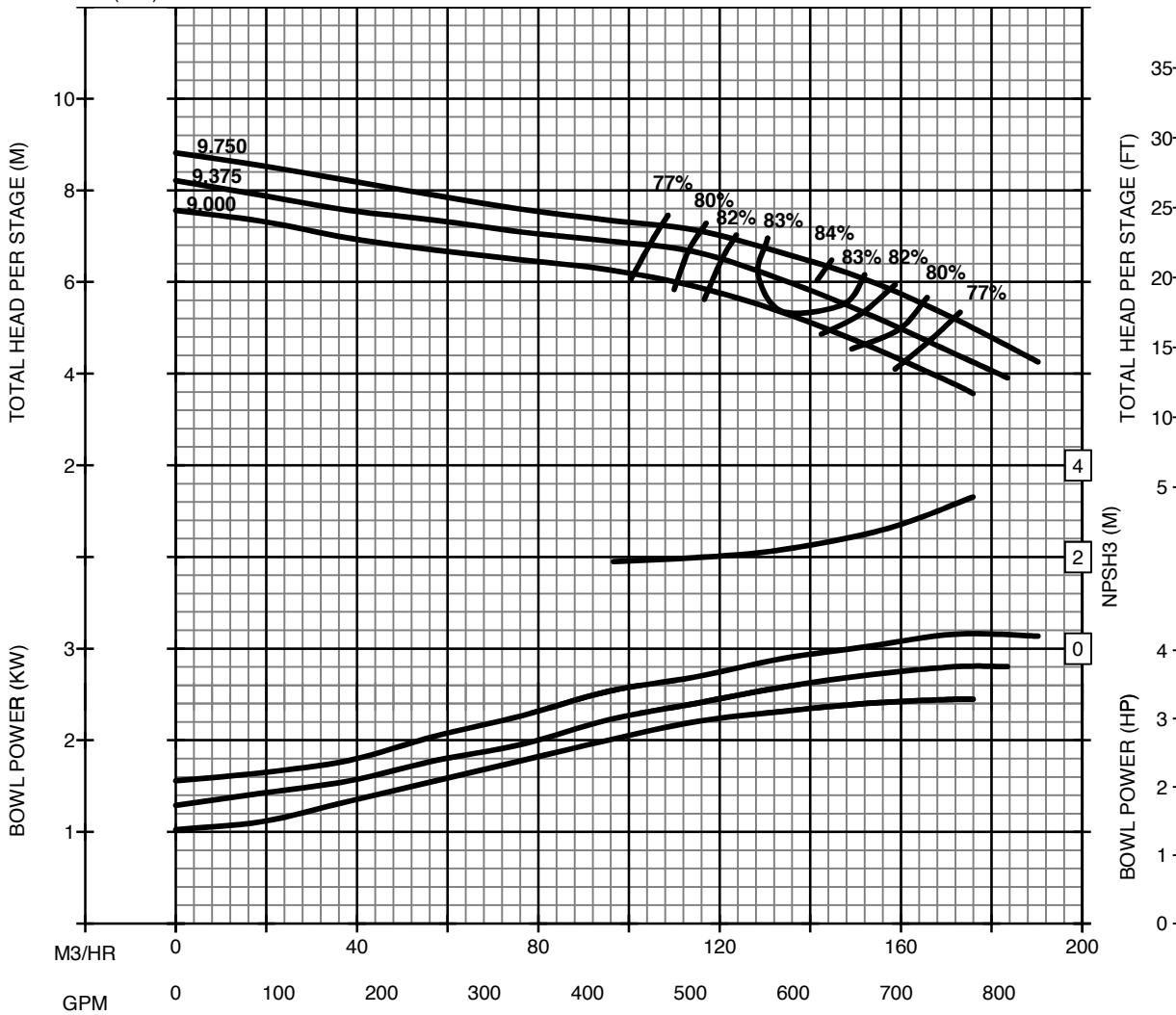
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12MC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



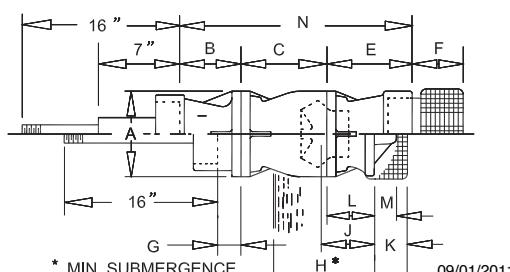
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.3	SUCTION SIZE:	8"
LATERAL (STD):	0.94	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	14.07	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



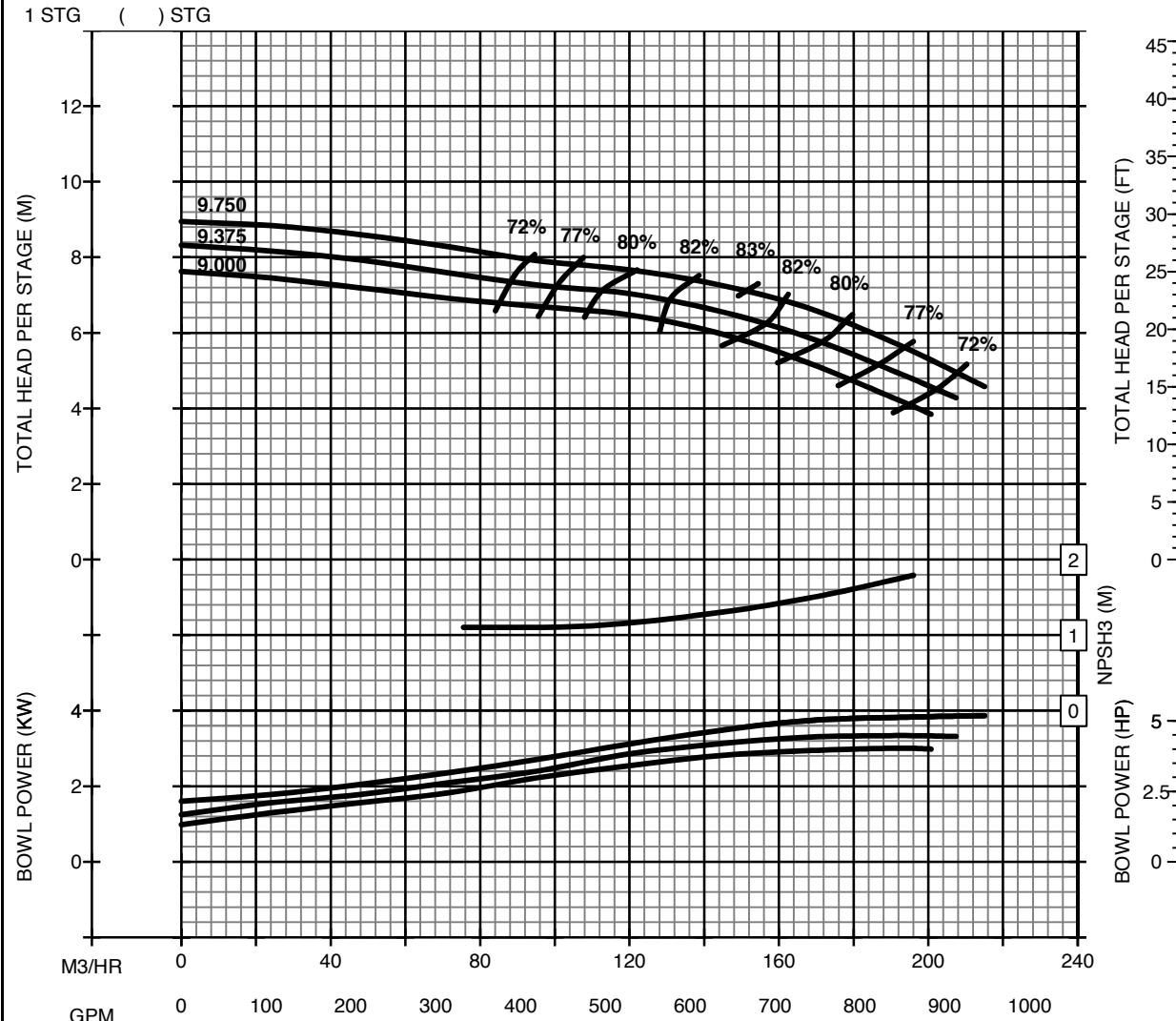
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E12HC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



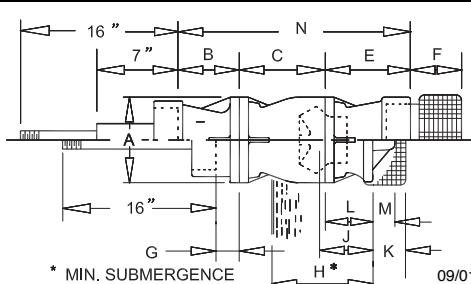
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.3	SUCTION SIZE:	8"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	14.07	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.687	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



09/01/2011
CVE12HC6P5CY

CURVE TEMPLATE 08.05.2011

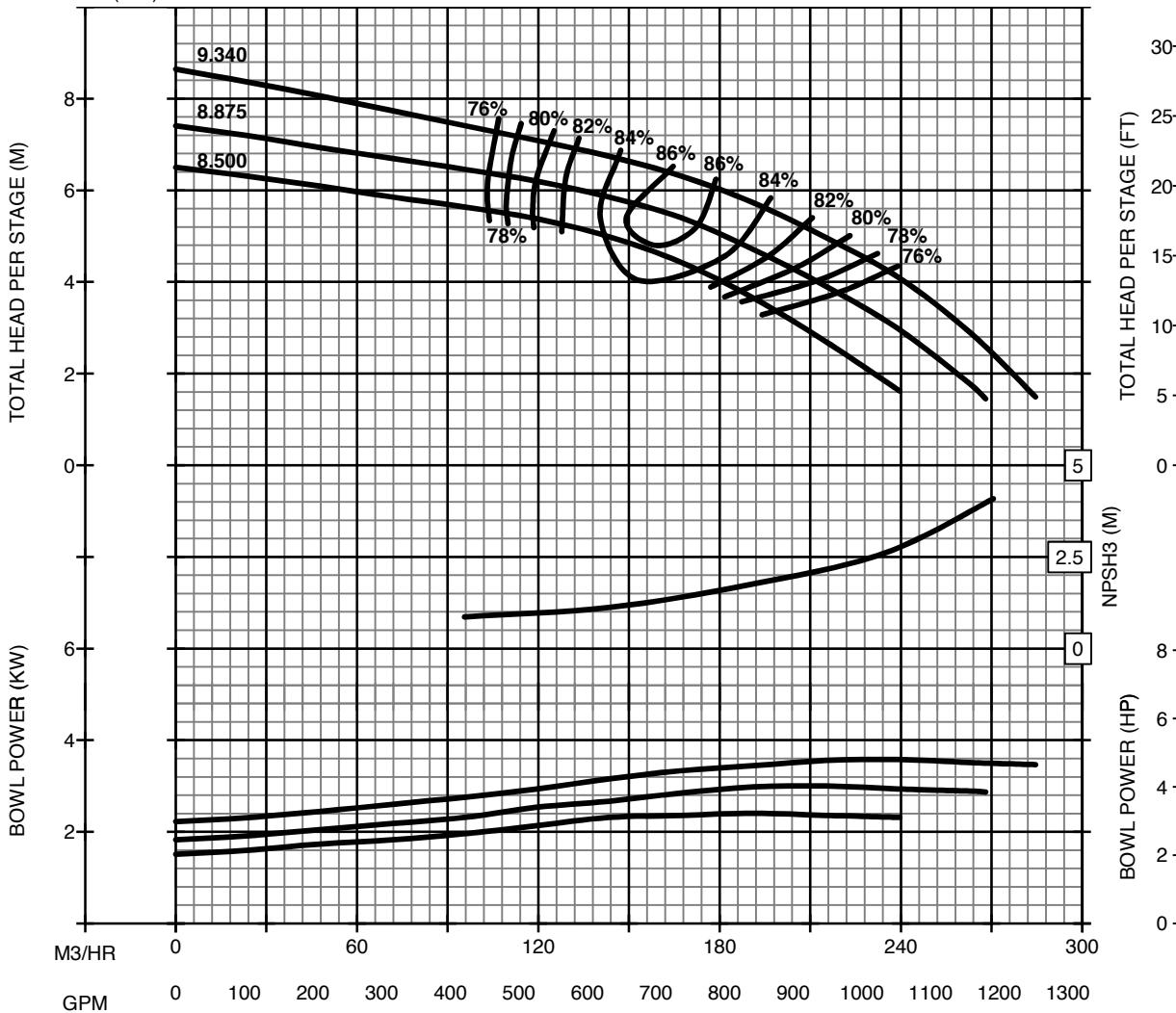
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K12HC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



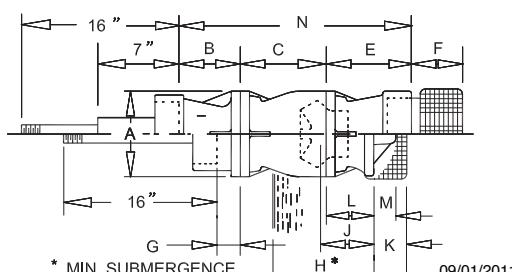
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8"
THRUST CONSTANT:	11.20	SUCTION SIZE:	8"
LATERAL (STD):	0.87	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	21.5	WR ² LB-FT ² :	1.2
SHAFT DIA:	1.6875	1ST STG WT LB:	197 ADD STG WT LB: 98

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



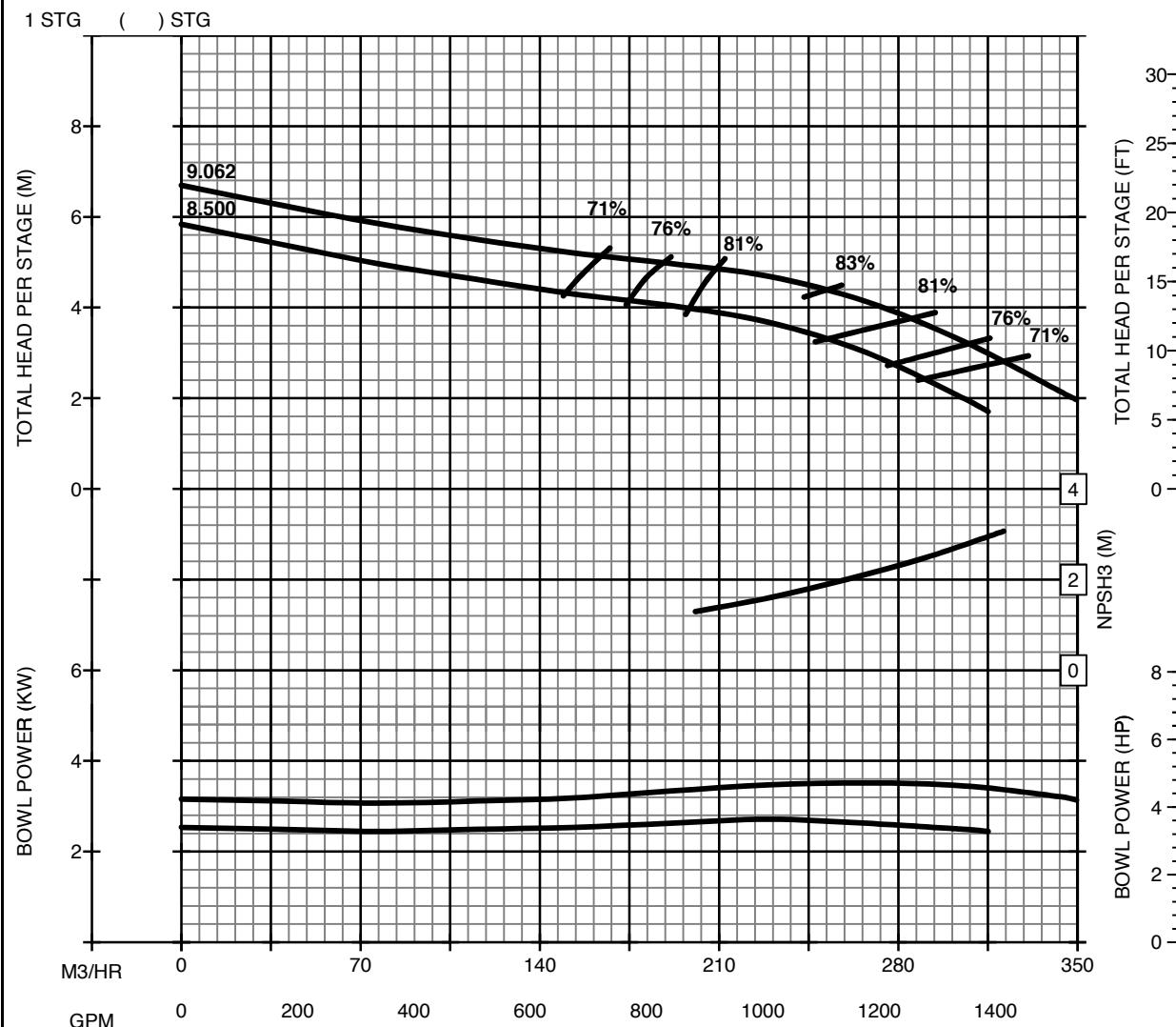
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H12HC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	2	3	4	5	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-3	-2	-1	0					



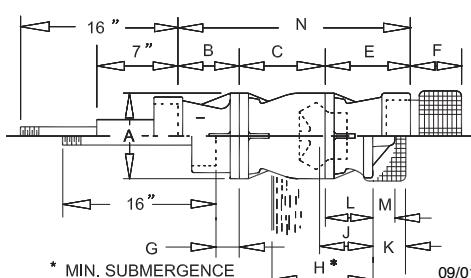
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	8", 10"
THRUST CONSTANT:	15.4	SUCTION SIZE:	10"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN ² :	33.4	WR ² LB-FT ² :	2.32
SHAFT DIA:	1.687	1ST STG WT LB:	375 ADD STG WT LB: 150

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011

CVH12HC6P5CY

CURVE TEMPLATE 08.05.2011

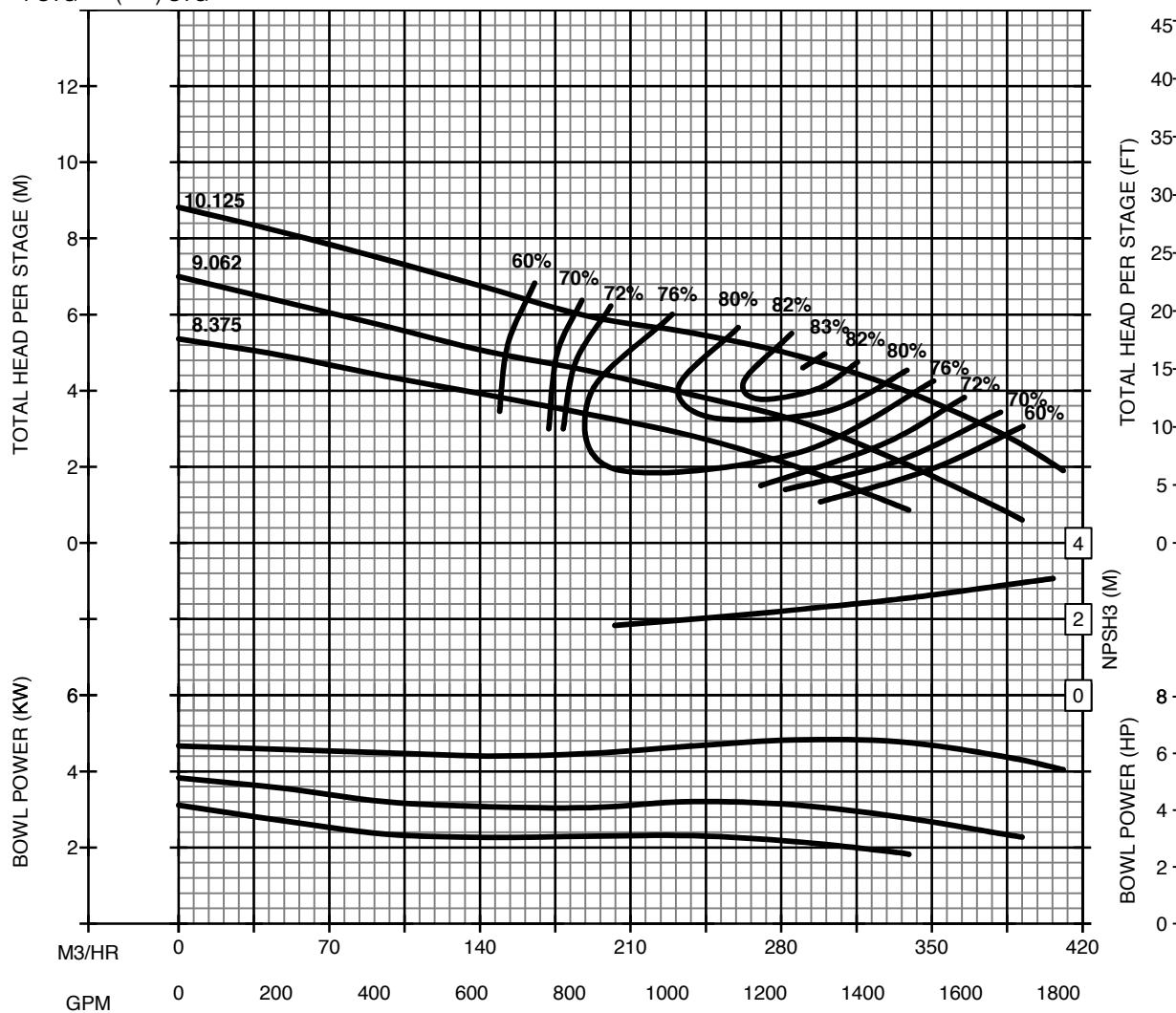
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



J12XHC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	5	DESIGN	M3/HR	TDH	KW	EFF
		-3	-2	-1	0					

1 STG () STG



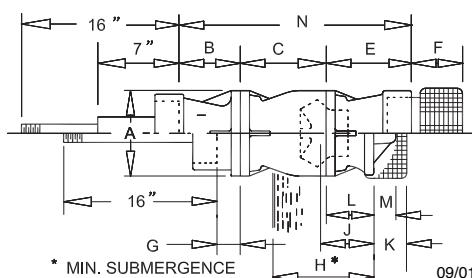
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.75	5.81	12.38	10.00	11.25	1.62	24.00	N/A	N/A	N/A	N/A	28.19

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	10"
THRUST CONSTANT:	15.6	SUCTION SIZE:	10"
LATERAL (STD):	1.375	STD. TUBE:	3"
EYE AREA IN ² :	36.2	WR ² LB-FT ² :	2.71
SHAFT DIA:	1.9375	1ST STG WT LB:	395 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



CVJ12XHC6P5CY

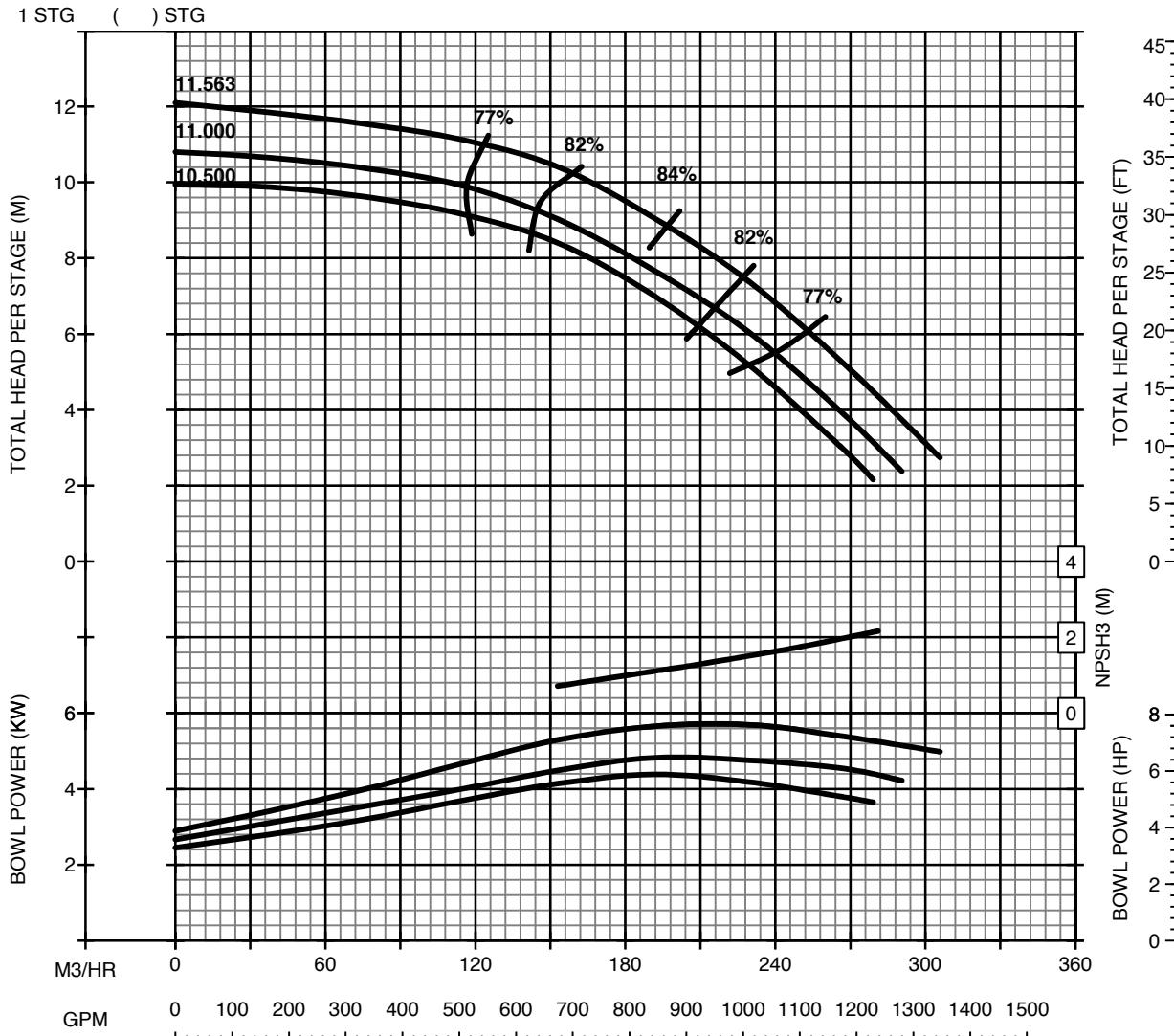
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M14MC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



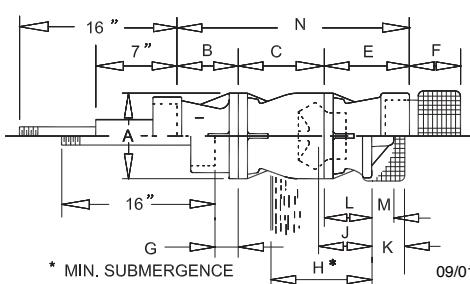
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	1.12	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB-FT ² :	3.62
SHAFT DIA:	1.937	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



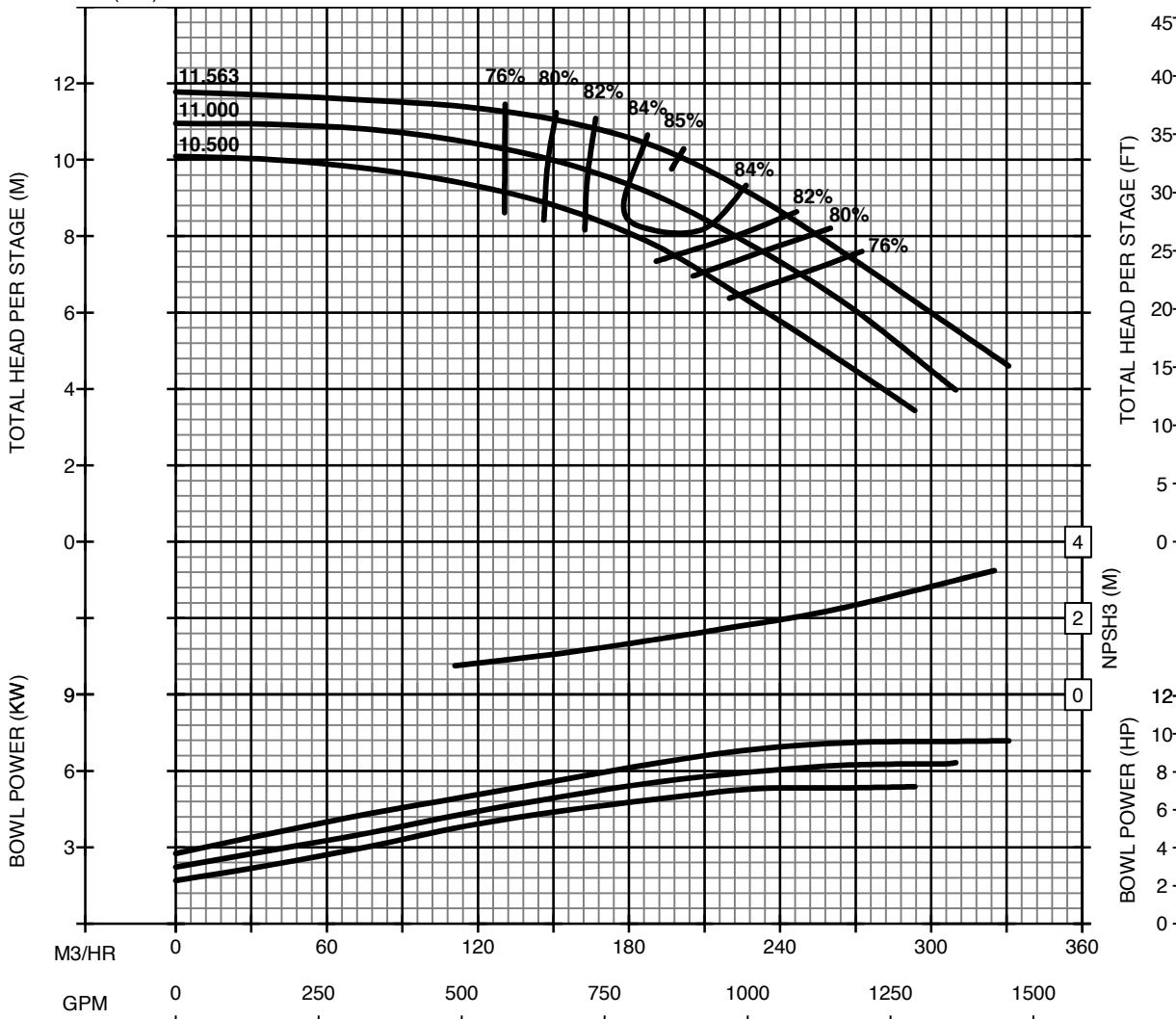
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M14HC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



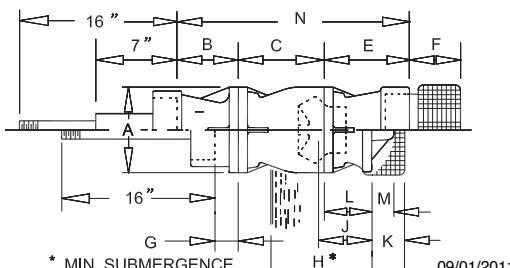
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	1.12	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB·FT ² :	3.62
SHAFT DIA:	1.937	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011
CVM14HC6P5CY

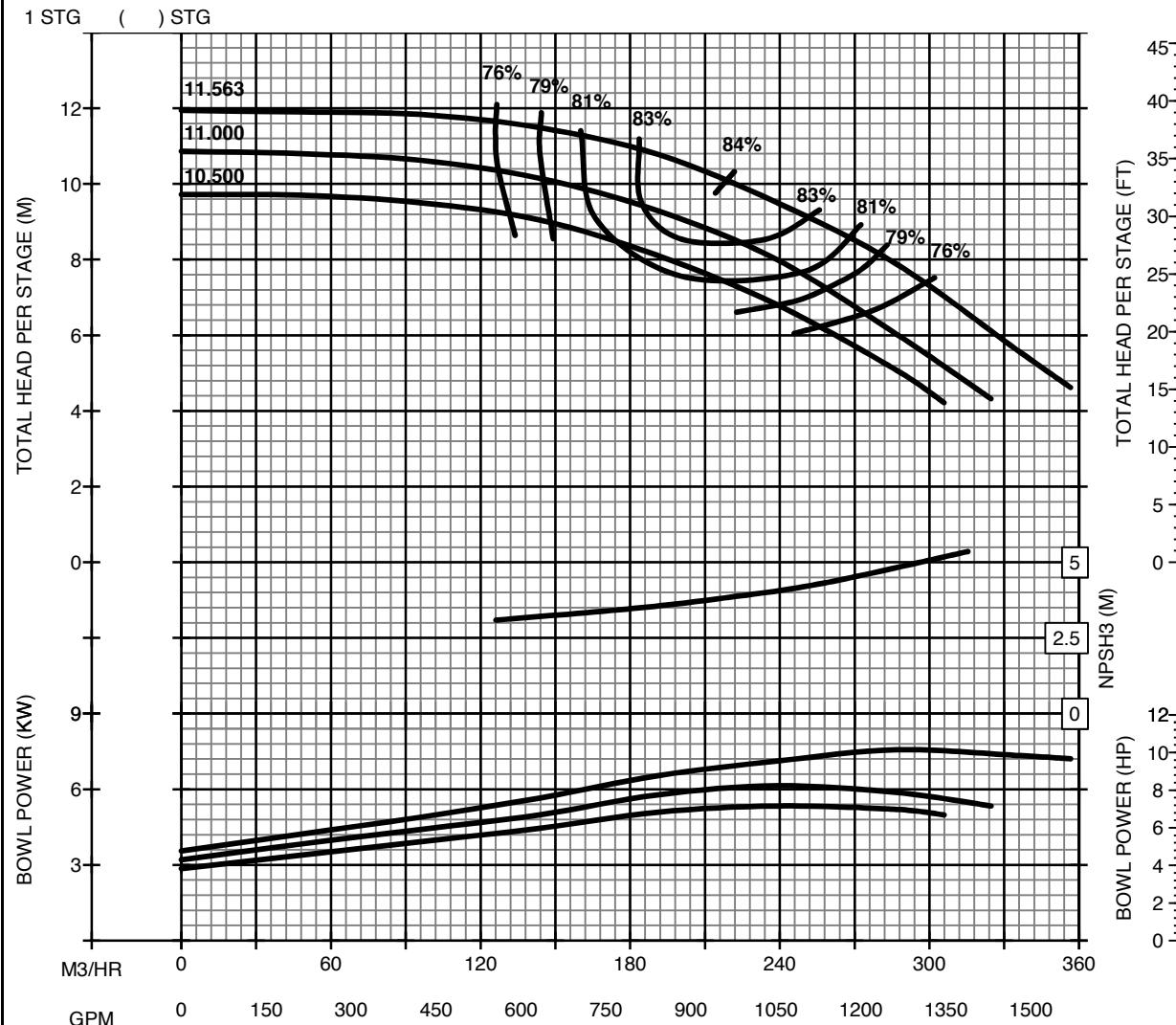
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



M14XHC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



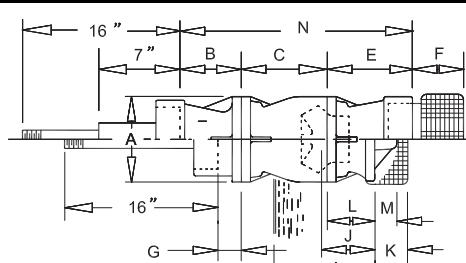
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	24.00	9.25	12.08	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	0.88"	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB-FT ² :	3.62
SHAFT DIA:	1.937	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

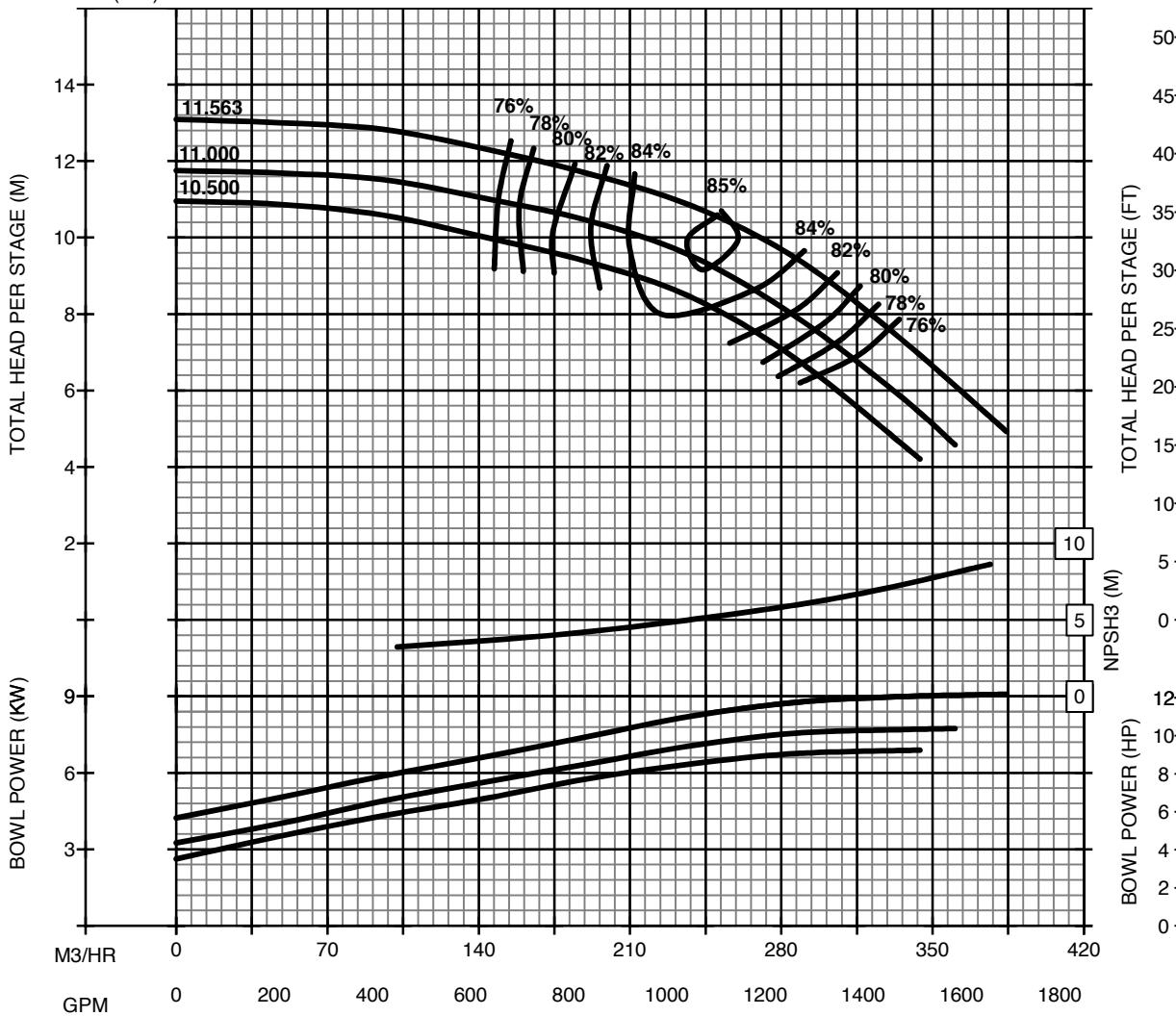


M14XXHC

985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



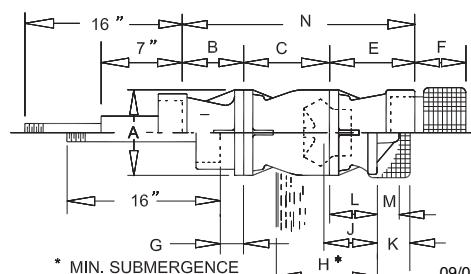
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	0.88"	STD. TUBE:	3"
EYE AREA IN ² :	25.32	WR ² LB-FT ² :	3.62
SHAFT DIA:	1.937	1ST STG WT LB:	420 ADD STG WT LB: 170

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011

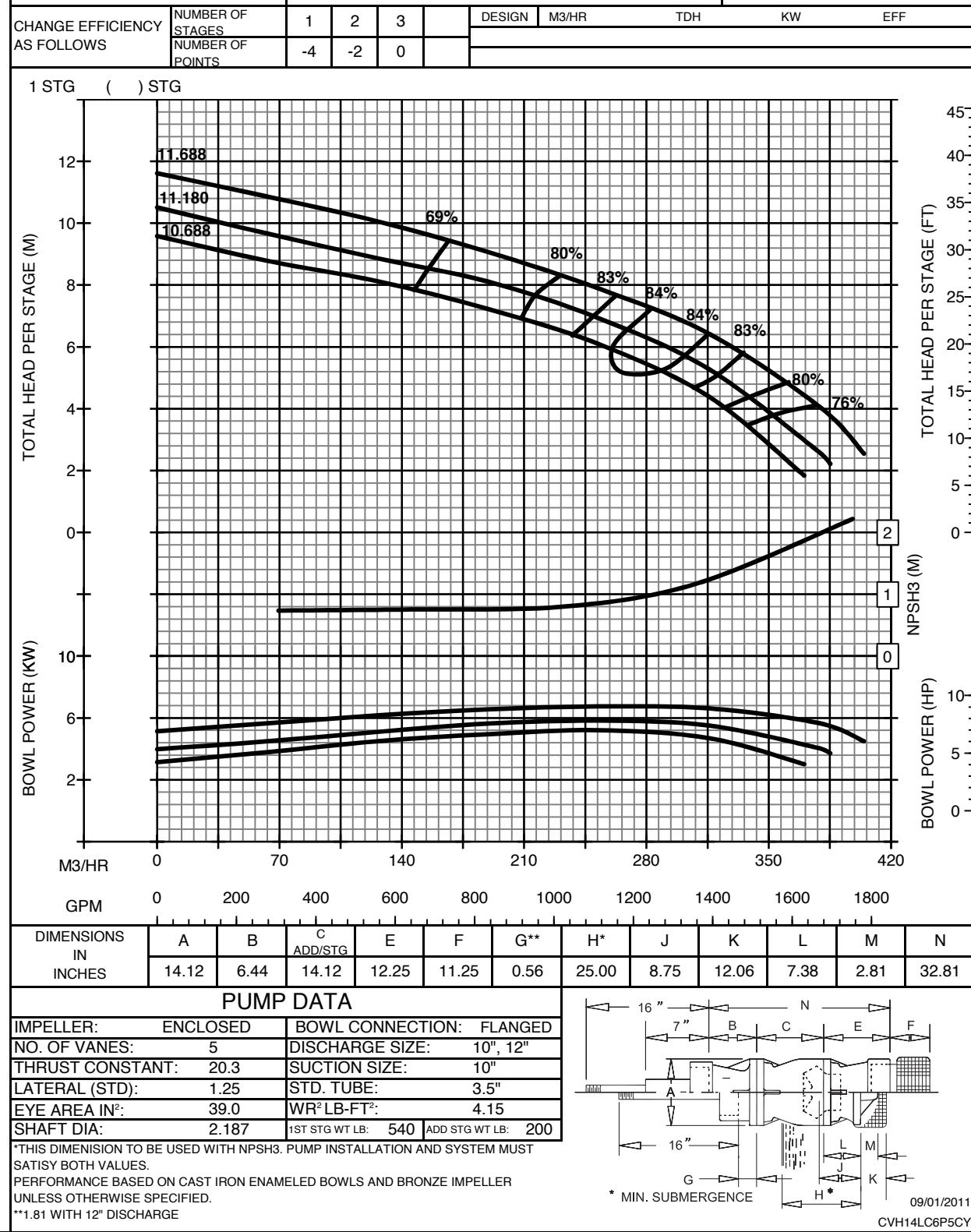
CVM14XXHC6P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H14LC
985 RPM



CURVE TEMPLATE 08.05.2011



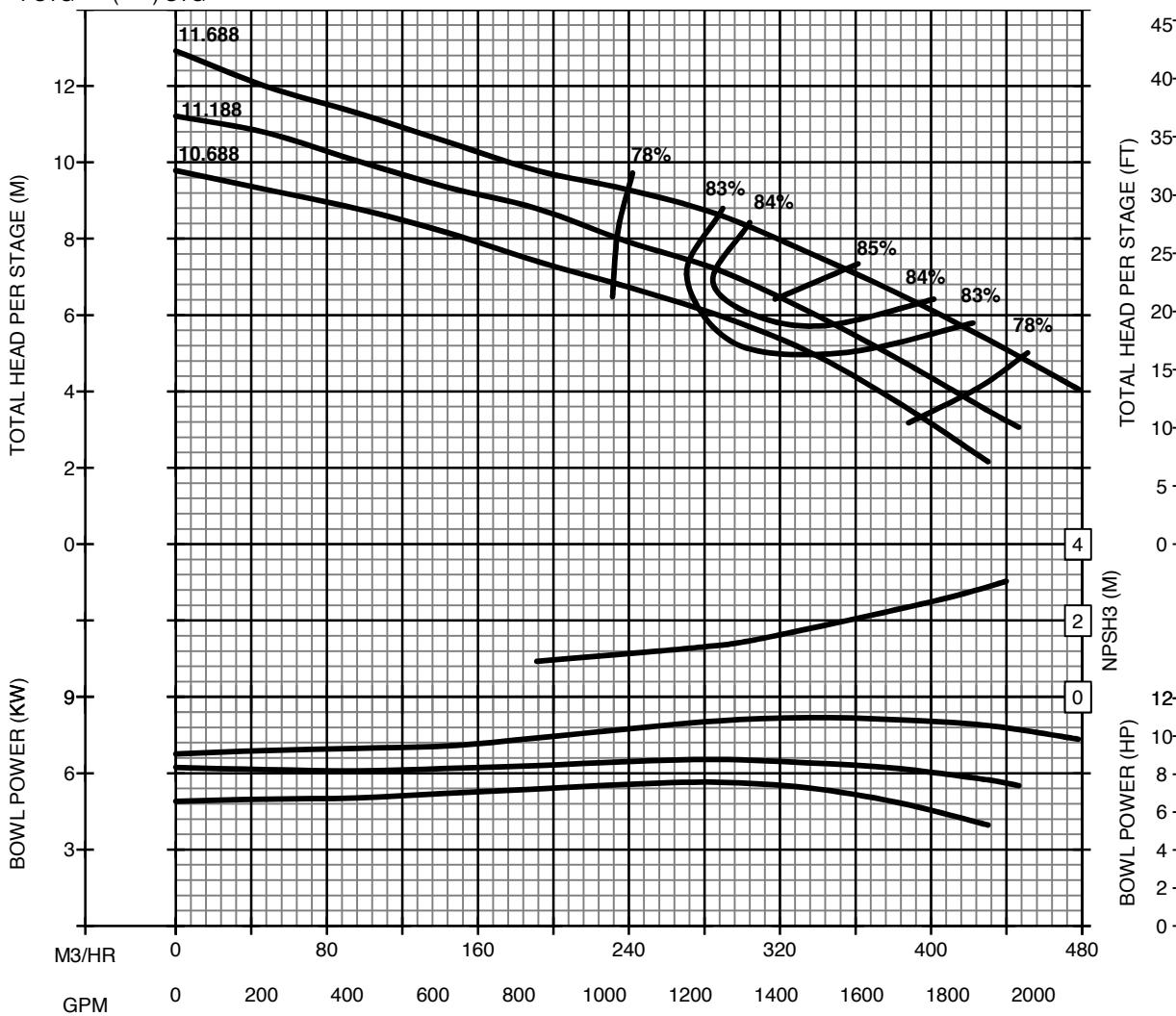
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H14MC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G**	H*	J	K	L	M	N
	14.13	6.44	14.12	12.25	11.25	0.56	25.00	8.75	12.06	7.38	2.81	32.81

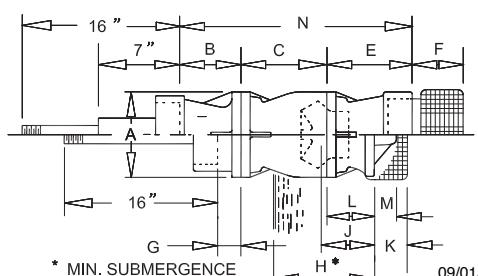
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	20.3	SUCTION SIZE:	10"
LATERAL (STD):	1.25	STD. TUBE:	3.5"
EYE AREA IN ² :	38.96	WR ² LB-FT ² :	4.15
SHAFT DIA:	2.1875	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**1.81 WITH 12" DISCHARGE



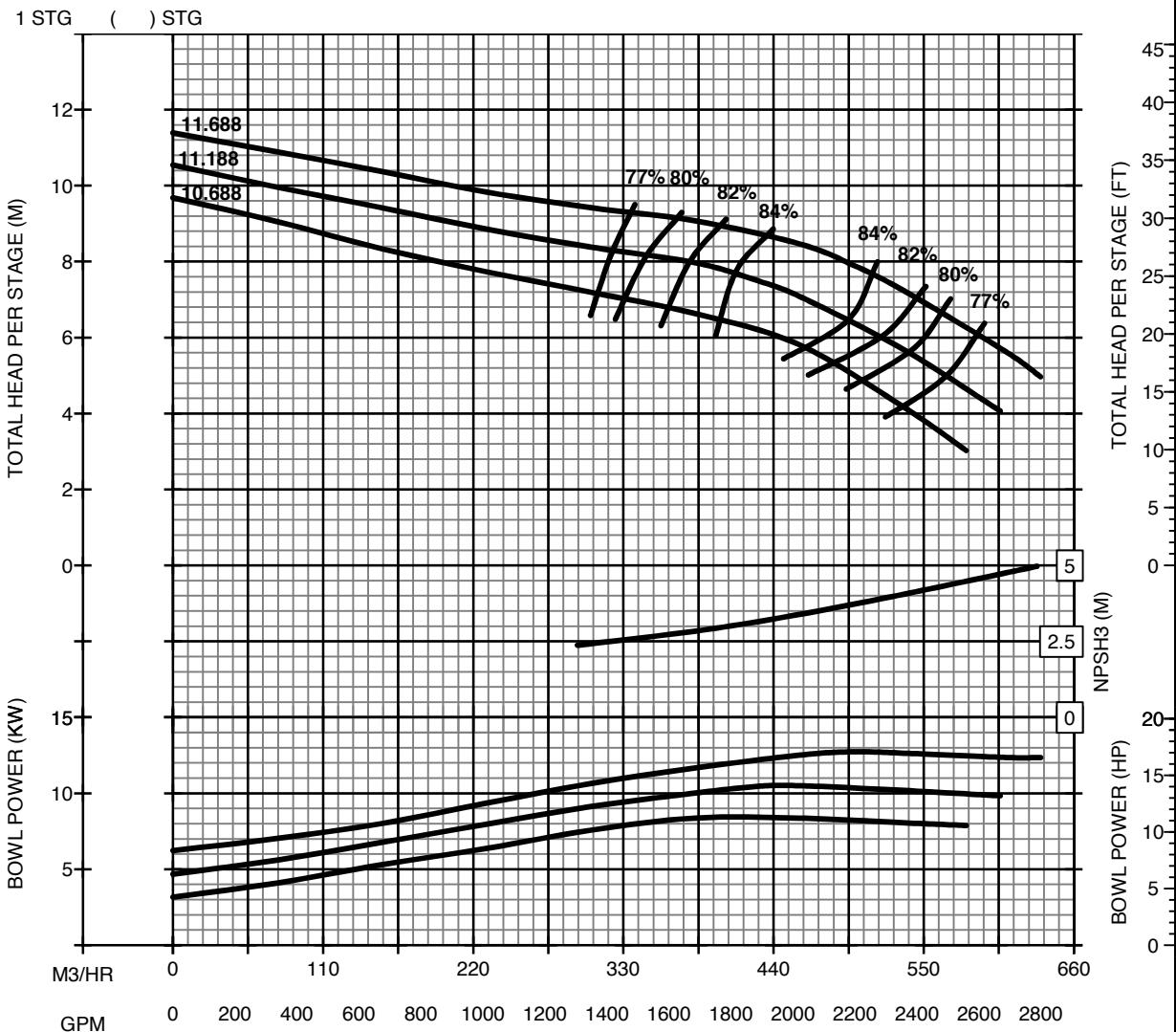
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H14XHC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G**	H*	J	K	L	M	N
	14.13	6.44	14.12	12.25	11.25	0.56	25.00	8.75	12.06	7.38	2.81	32.81

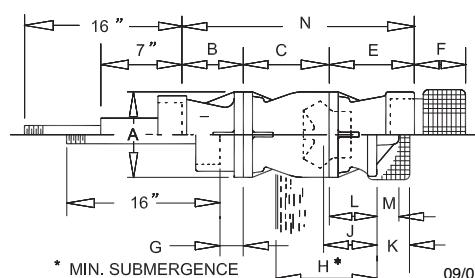
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	20.3	SUCTION SIZE:	10"
LATERAL (STD.):	1.25	STD. TUBE:	3.5"
EYE AREA IN ² :	38.96	WR ² LB-FT ² :	4.15
SHAFT DIA:	2.1875	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

**1.81 WITH 12" DISCHARGE



* MIN. SUBMERGENCE

09/01/2011

CVH14XHC6P5CY

CURVE TEMPLATE 08.05.2011

CURVES
985 RPM

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

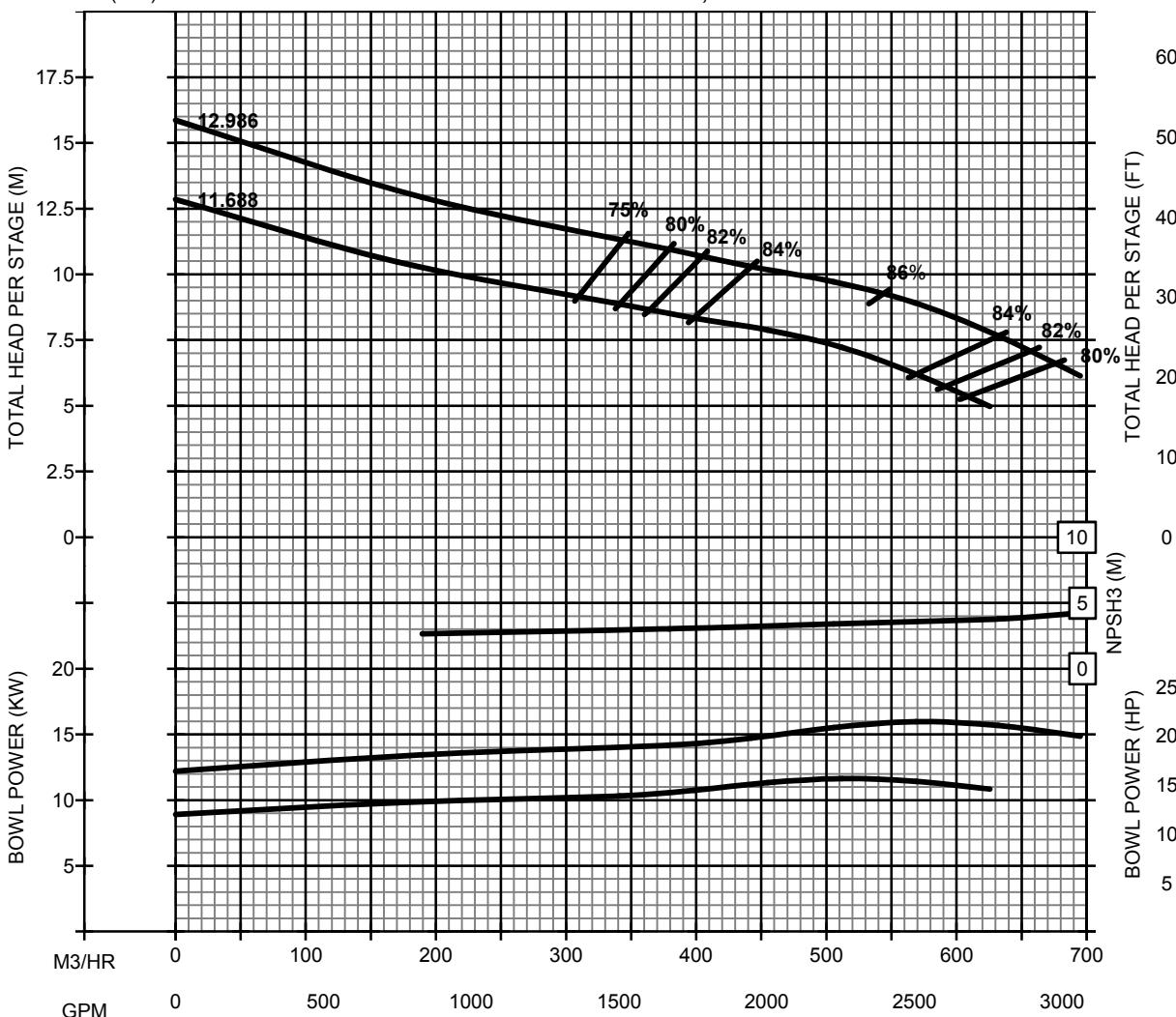


H16MC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-4	-2	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



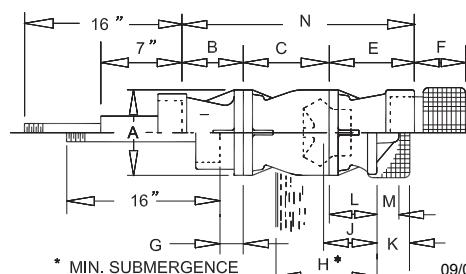
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	12"
THRUST CONSTANT:	27.80	SUCTION SIZE:	BELL
LATERAL (STD):	0.94	STD. TUBE:	3.5"
EYE AREA IN ² :	58.7	WR ² LB-FT ² :	9.15
SHAFT DIA:	2.19	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVH16MC6P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

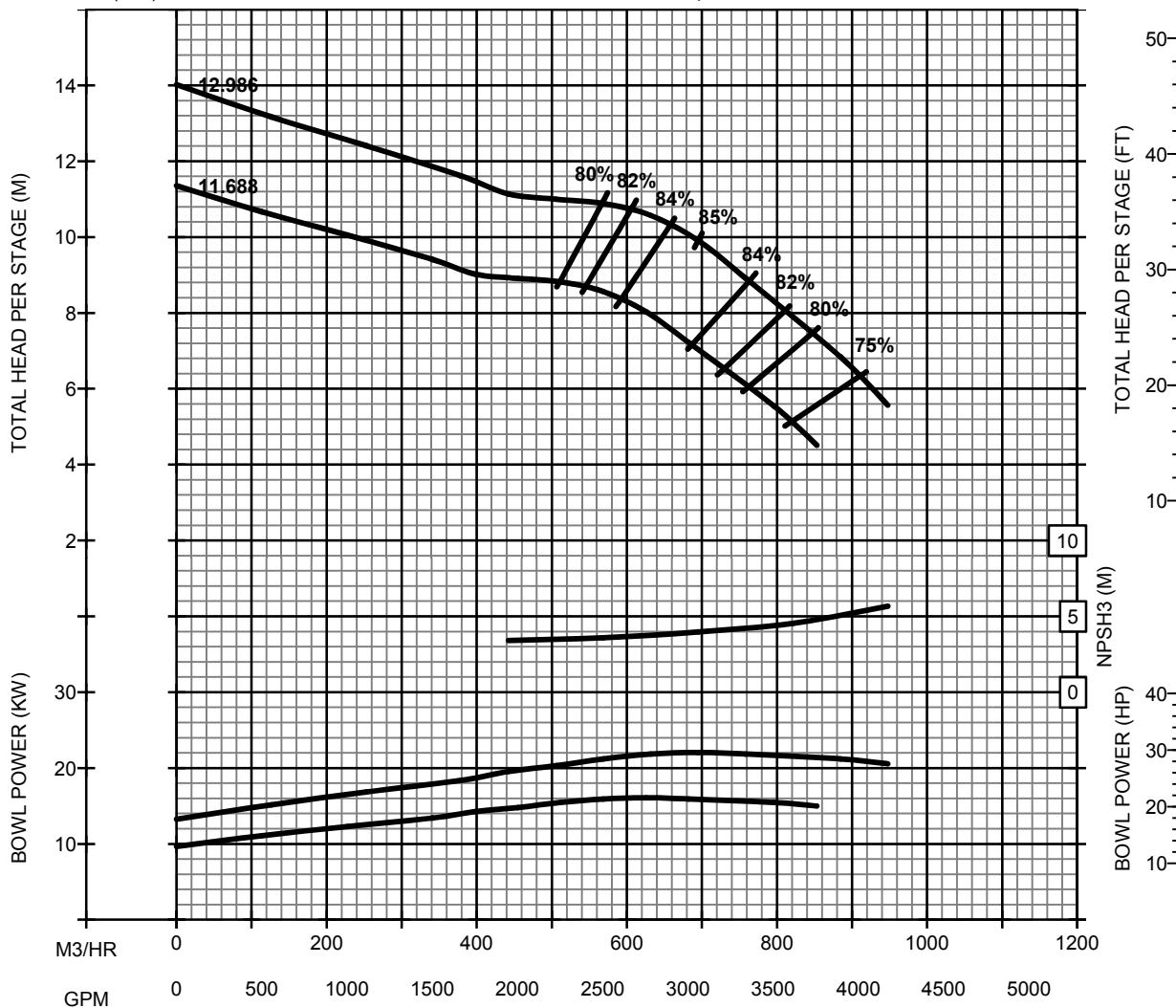


H16XHC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	DESIGN	M3/HR	TDH	KW	EFF
		-4	-2	0					

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



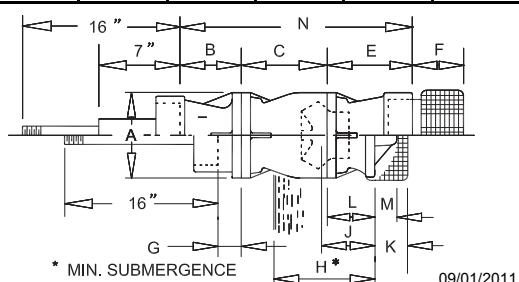
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	12"
THRUST CONSTANT:	27.80	SUCTION SIZE:	BELL
LATERAL (STD):	0.94	STD. TUBE:	3.5"
EYE AREA IN ² :	58.7	WR ² LB-FT ² :	9.15
SHAFT DIA:	2.19	1ST STG WT LB:	540 ADD STG WT LB: 200

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

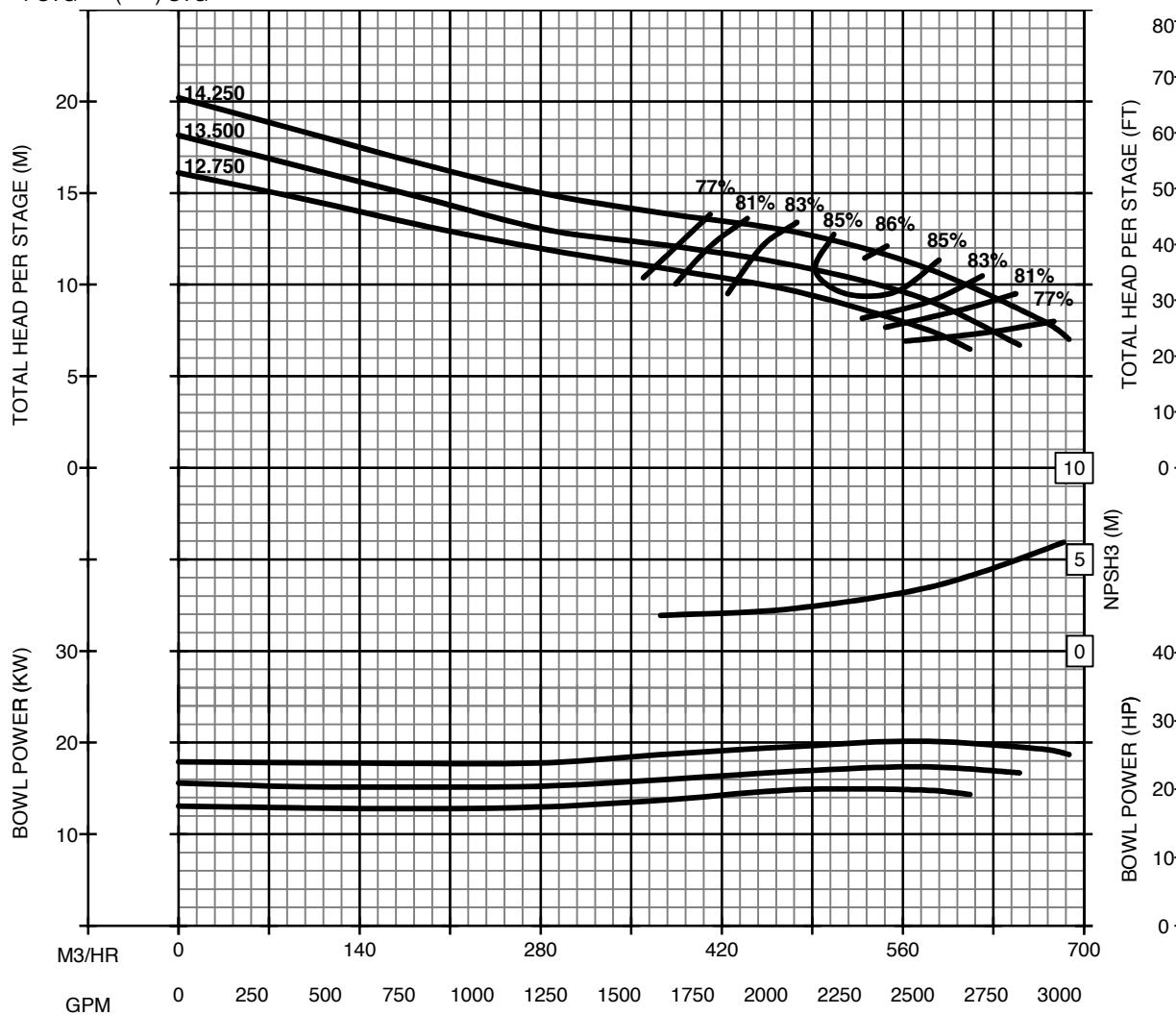


E18LC

985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



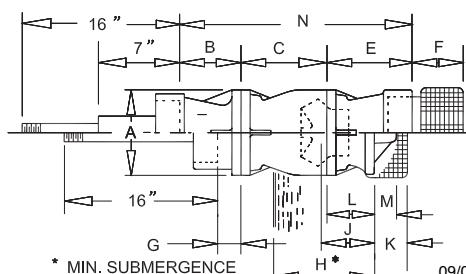
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN ² :	63.88	WR ² LB-FT ² :	9.01
SHAFT DIA:	2.187	1ST STG WT LB:	492 ADD STG WT LB: 315

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVE18LC6P5CY

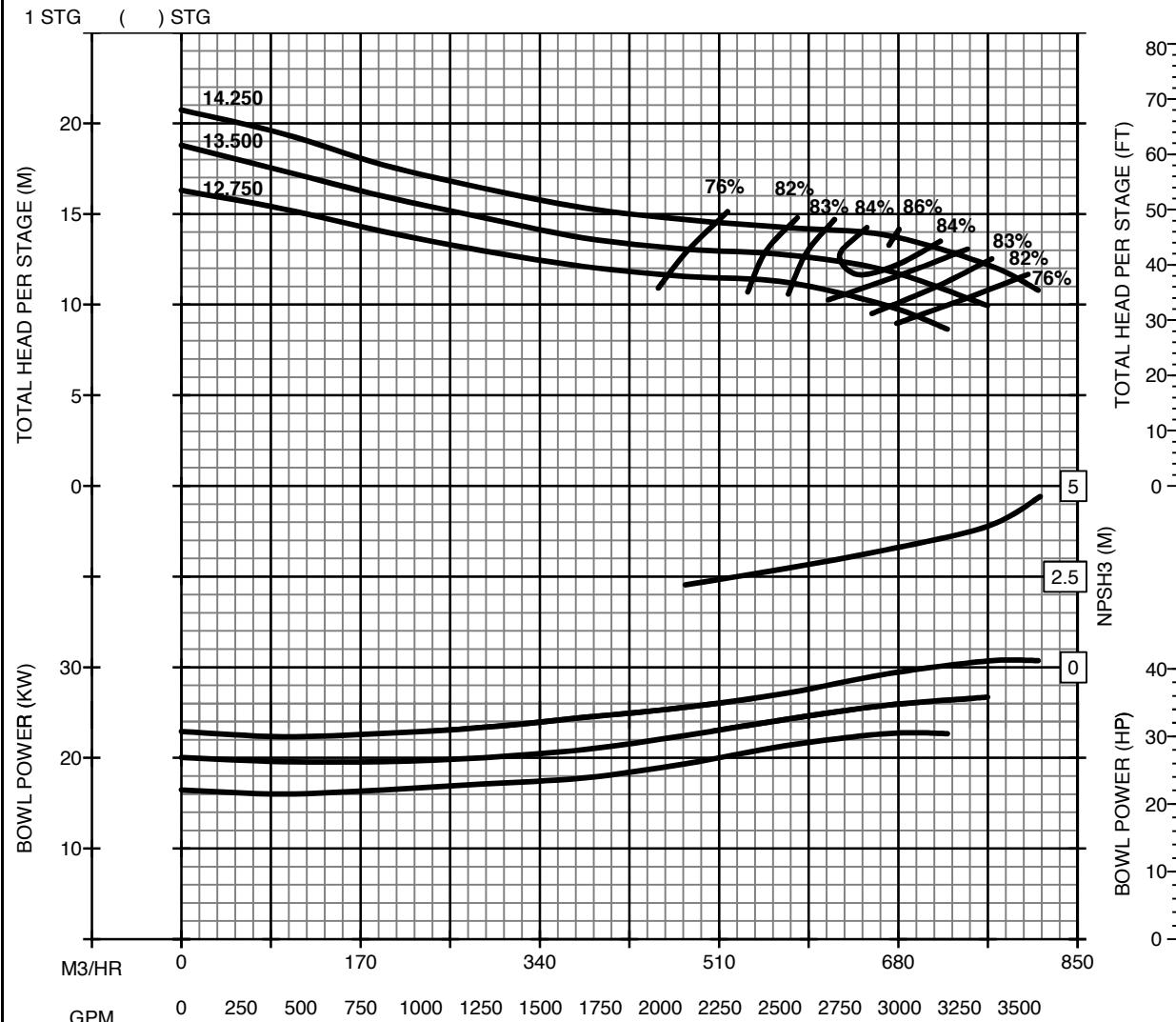
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E18HC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



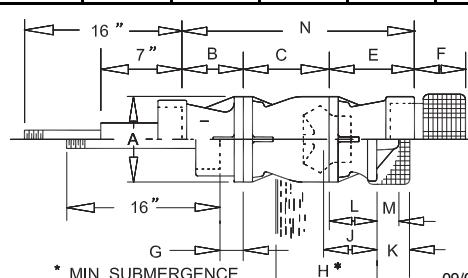
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN ² :	63.88	WR ² LB-FT ² :	9.26
SHAFT DIA:	2.187	1ST STG WT LB:	492 ADD STG WT LB: 315

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVE18HC6P5CY

CURVE TEMPLATE 08.05.2011

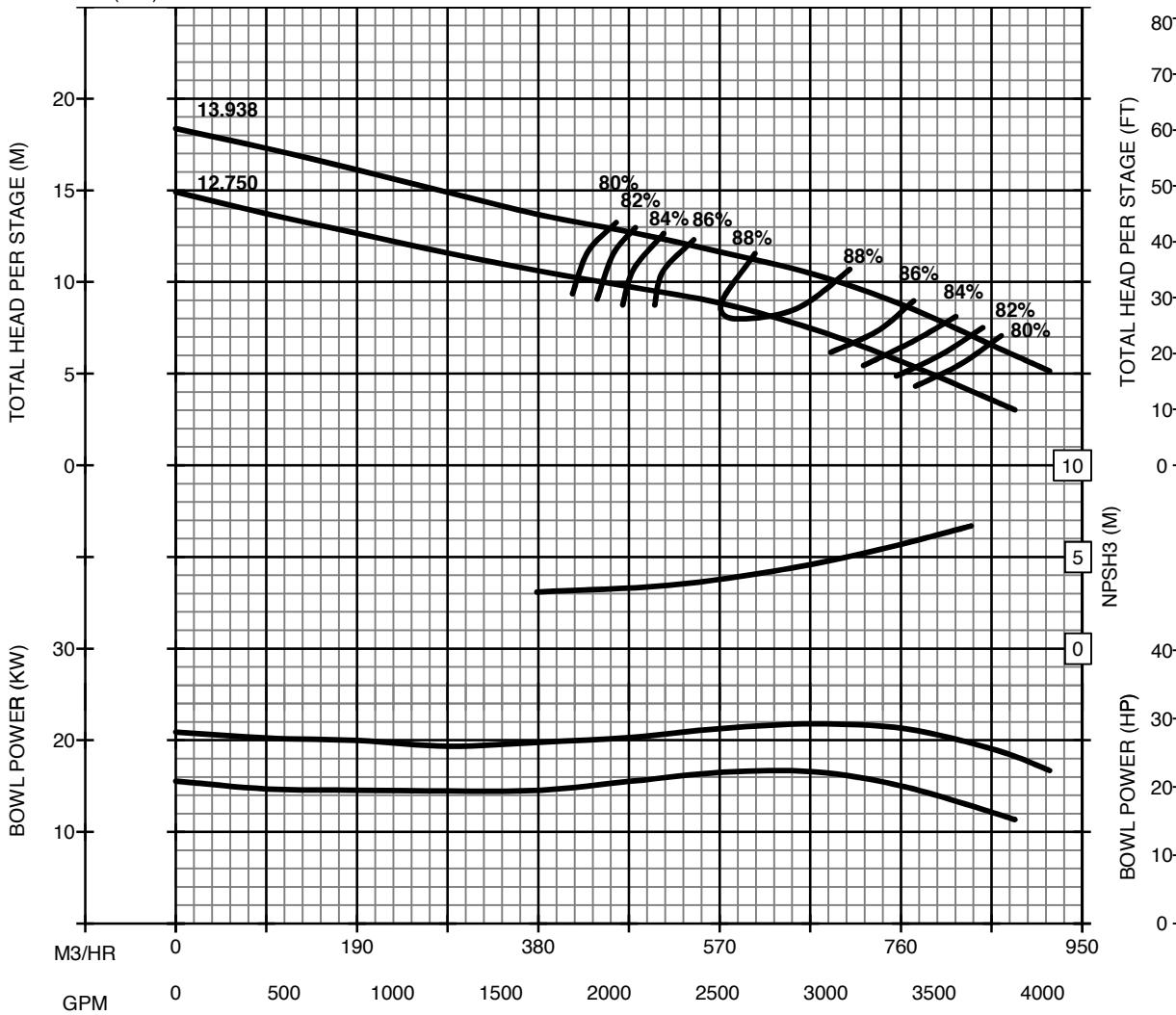
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20LC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
		-2	0							

1 STG () STG



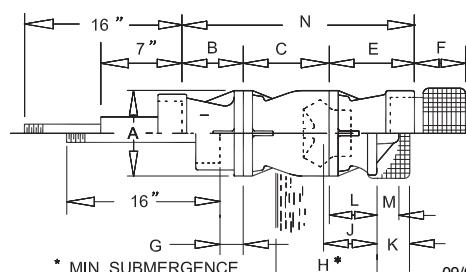
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVK20LC6P5CY

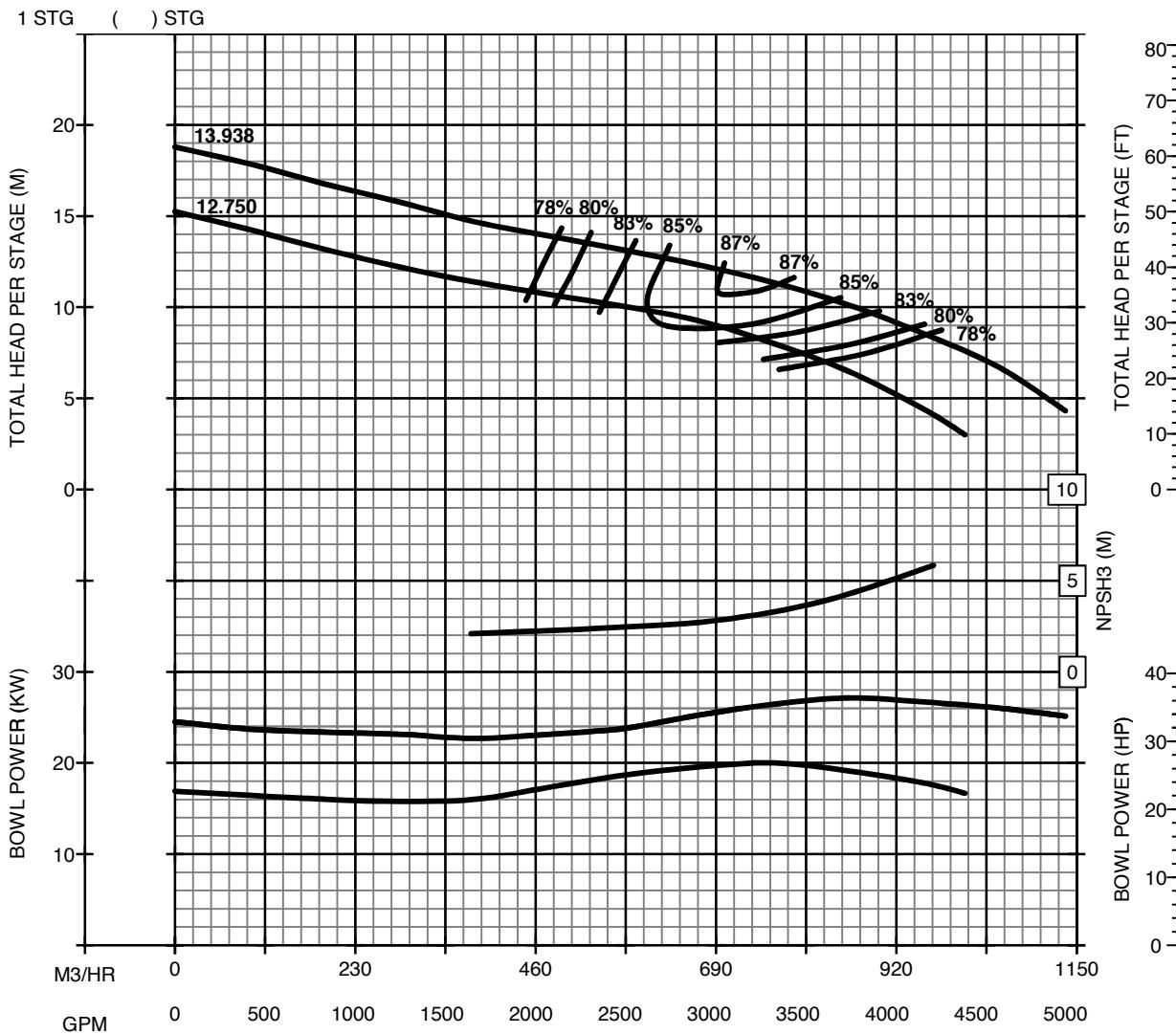
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20MC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN NUMBER OF POINTS	M3/HR	TDH	KW	EFF
		-2	0						



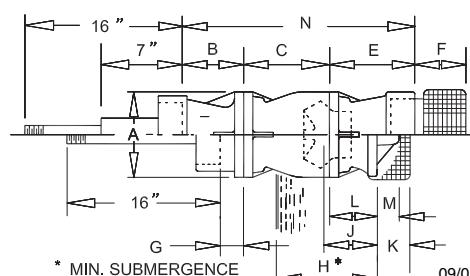
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	4"
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



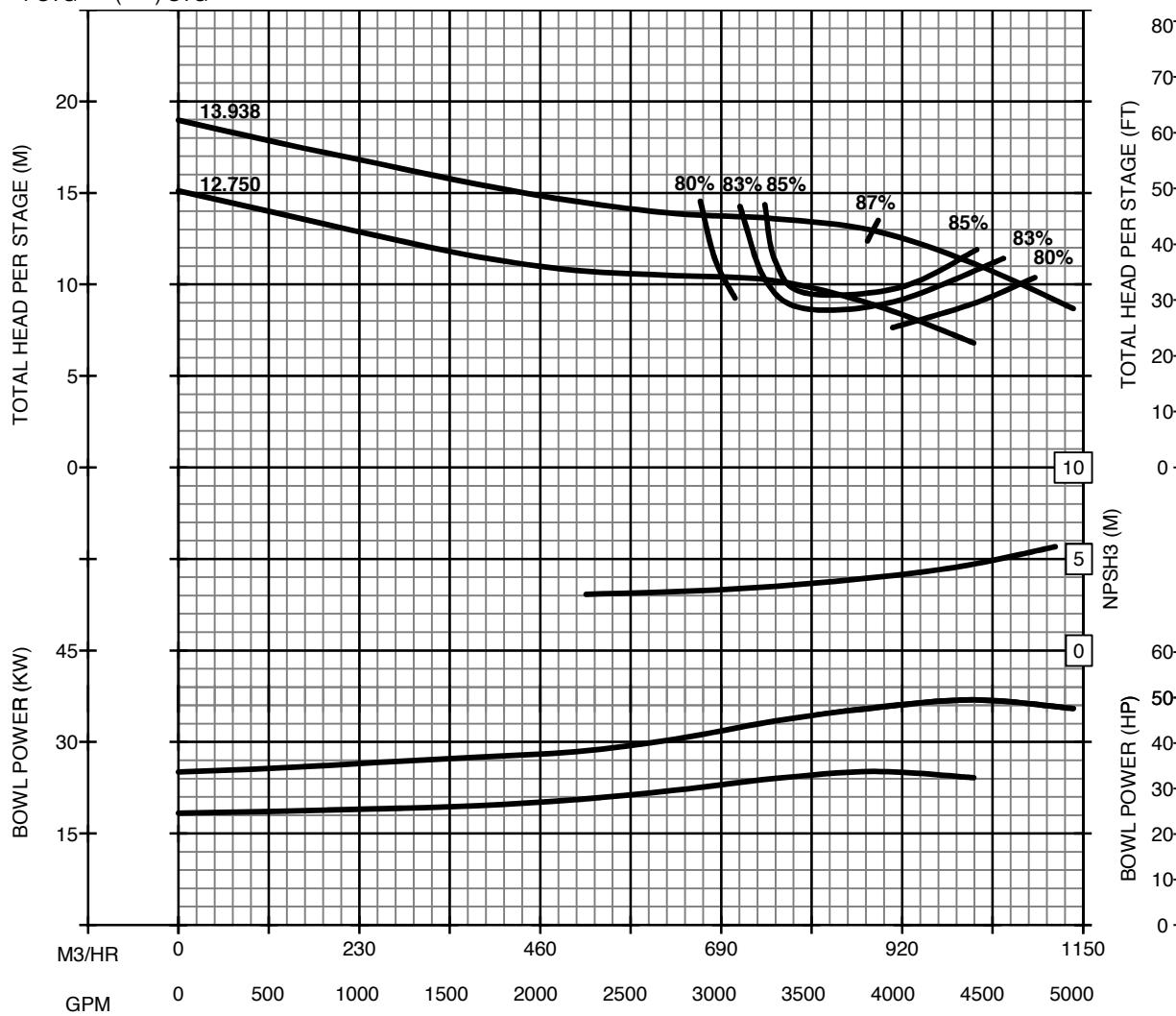
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20HC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-2	0						

1 STG () STG



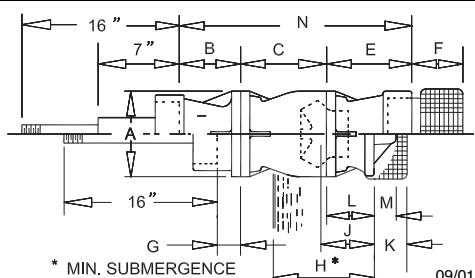
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVK20HC6P5CY

CURVE TEMPLATE 08.05.2011

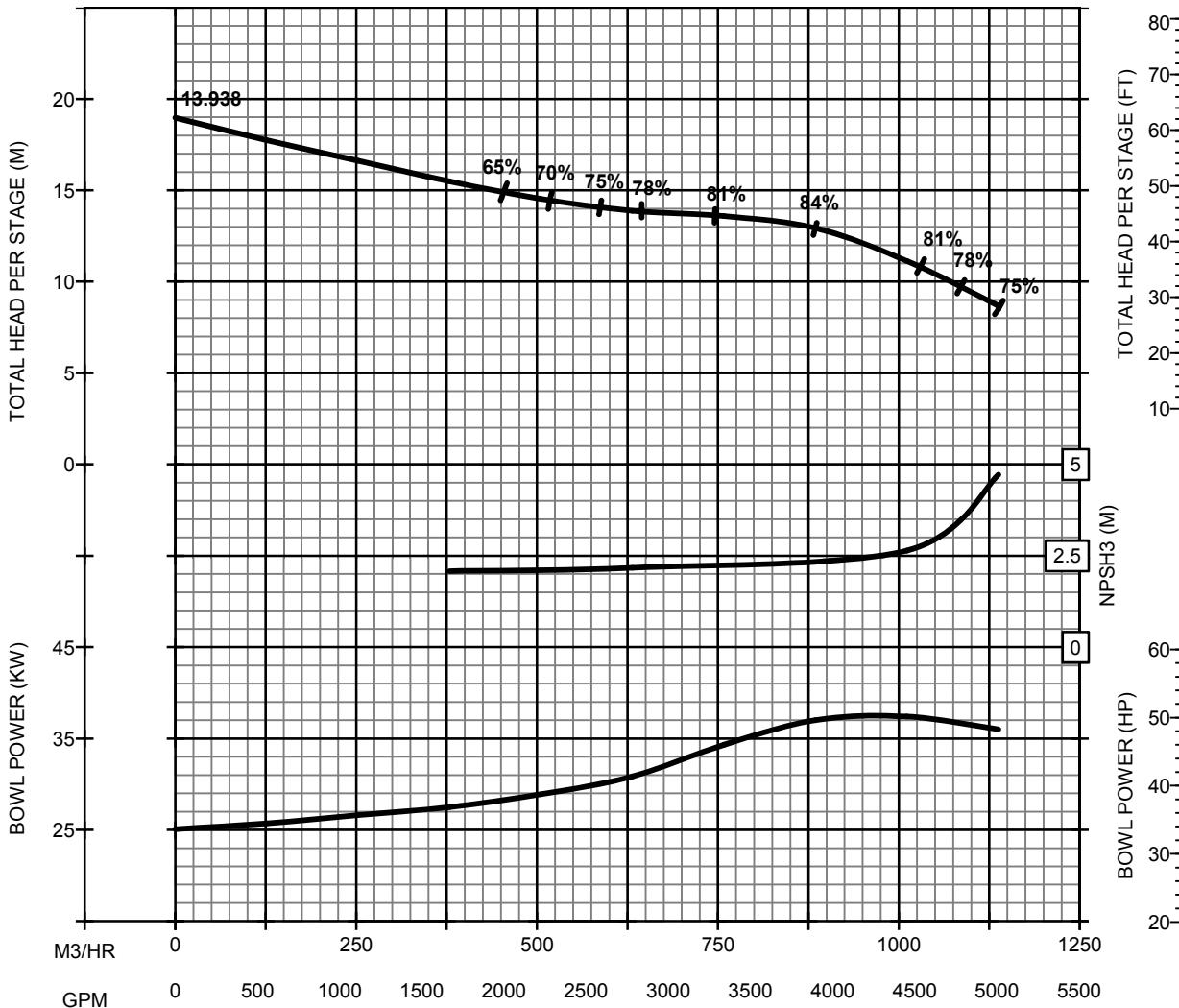
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20HC-S
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	-	-	-	-	DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-	-	-	-				

1 STG () STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

PUMP DATA

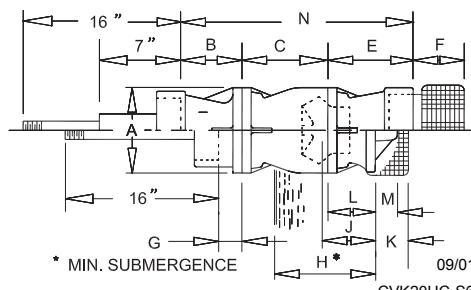
IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	35.2	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	83.91	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

**BELL DIAMETER IS 20.65

LOW NPSH IMPELLER FOR 1ST STG ONLY



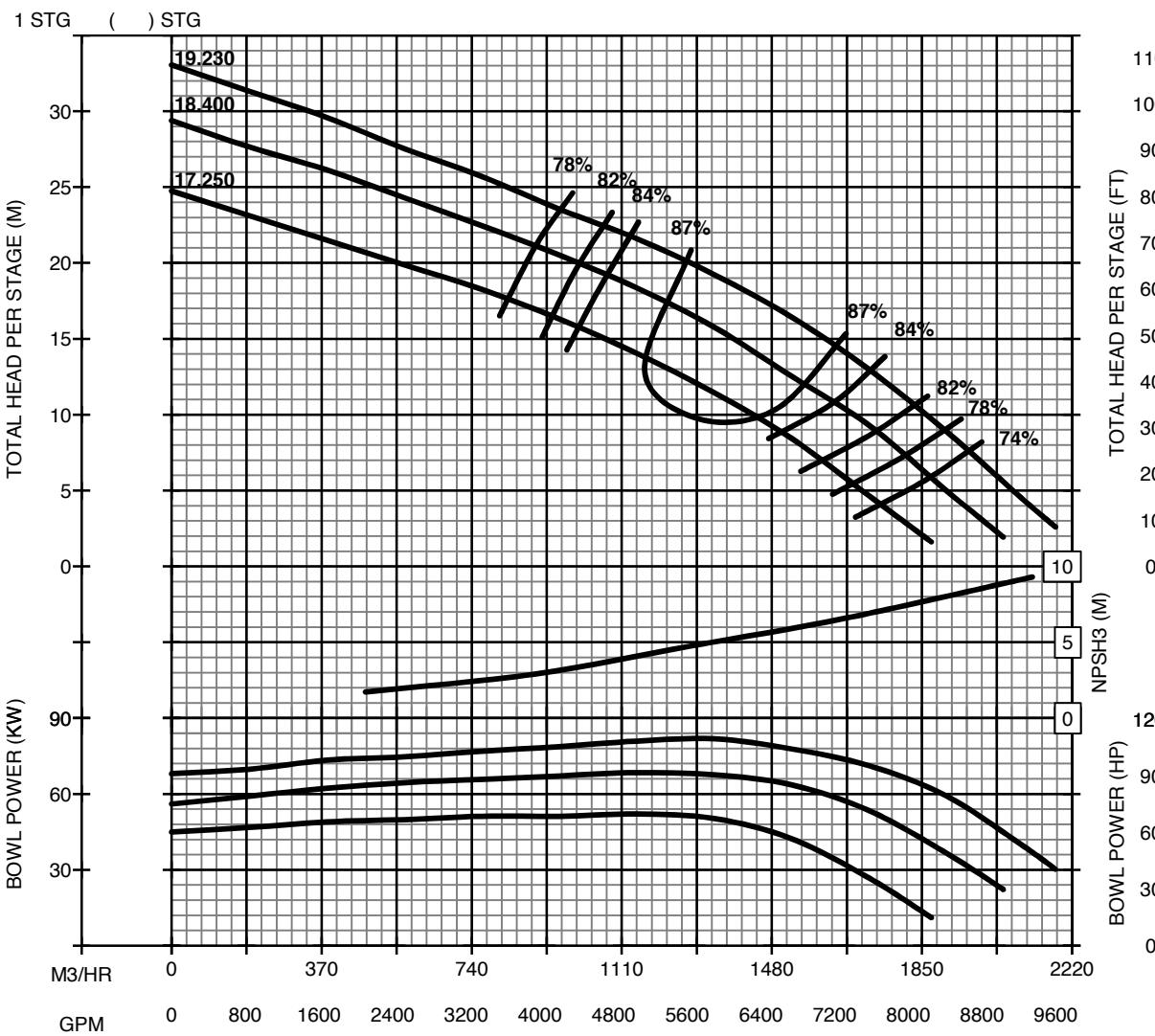
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H24LC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN M3/HR	TDH	KW	EFF
		-1	0						



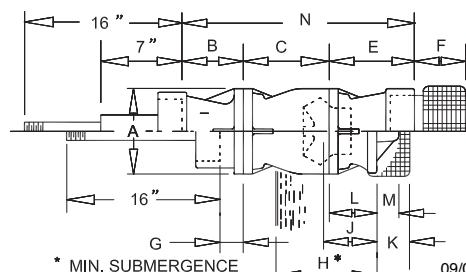
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	53.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	128.00	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: 541

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



*

MIN. SUBMERGENCE

09/01/2011

CVH24LC6P5CY

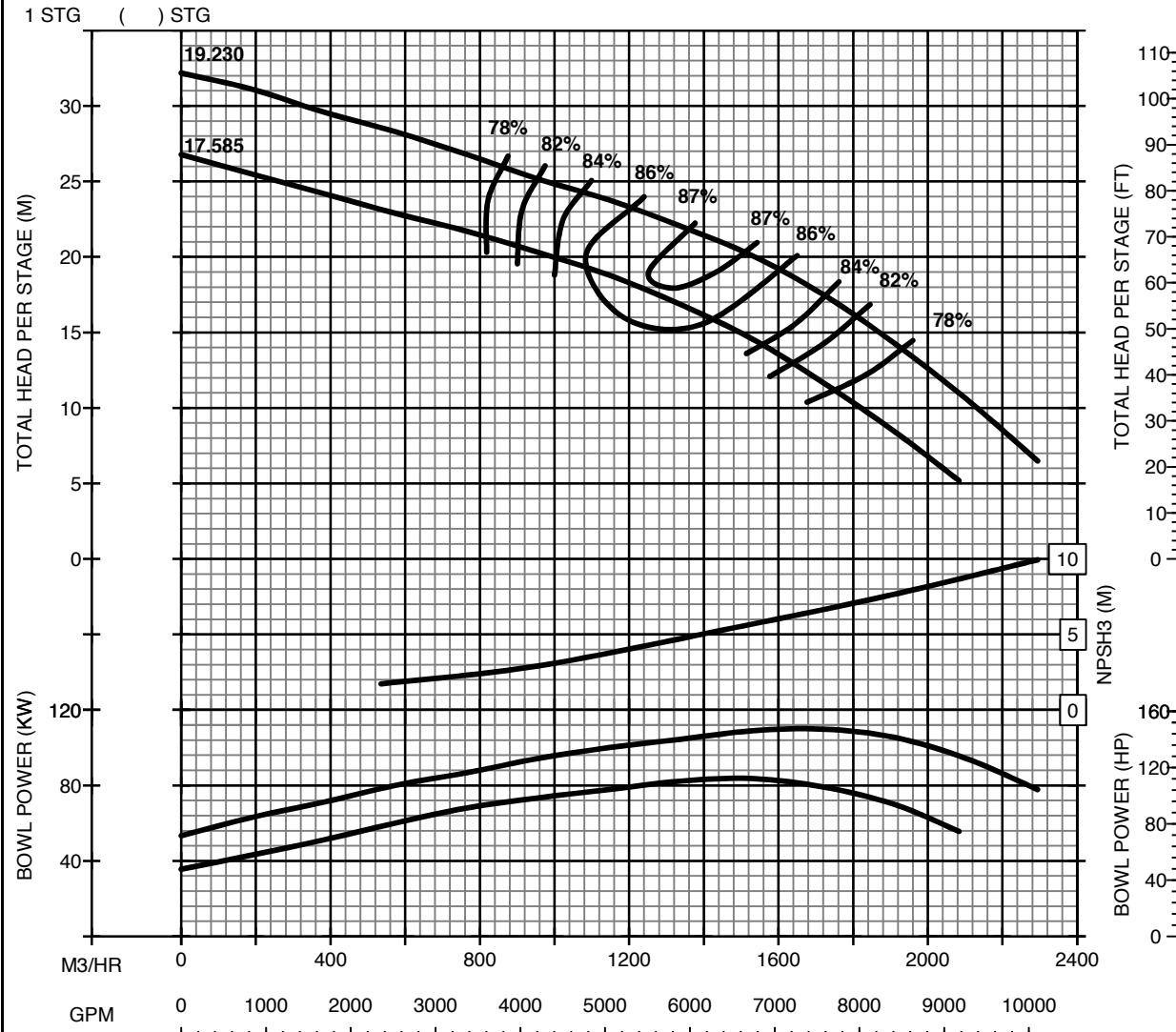
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H24MC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-1	0					



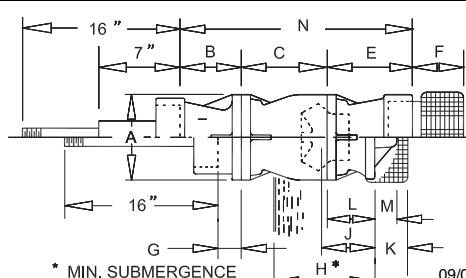
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	53.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	128.00	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: 541

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

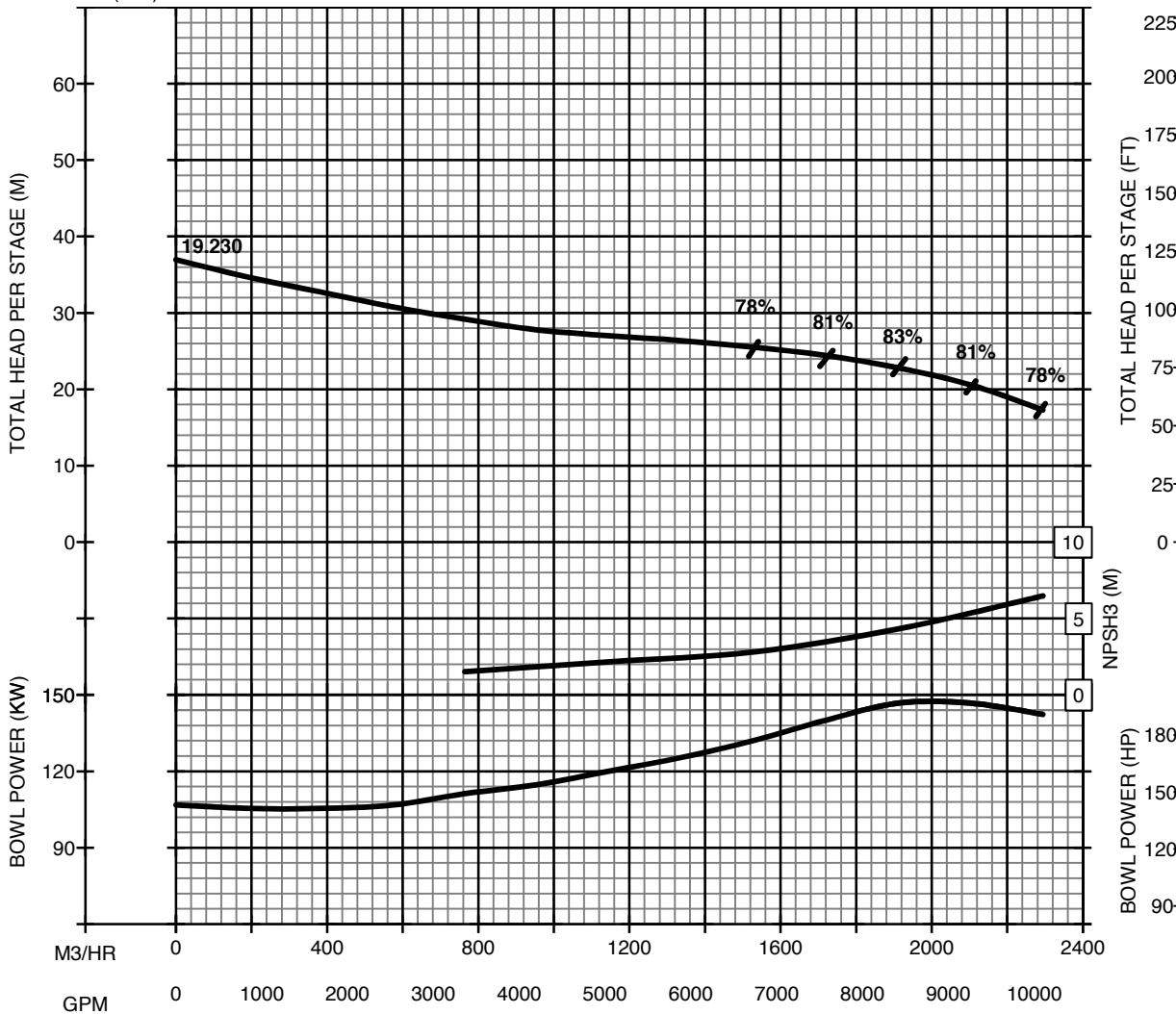


H24MC-S

985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	DESIGN				TDH	KW	EFF
		—	—	—	—			
	NUMBER OF POINTS	—	—	—	—			

1 STG () STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

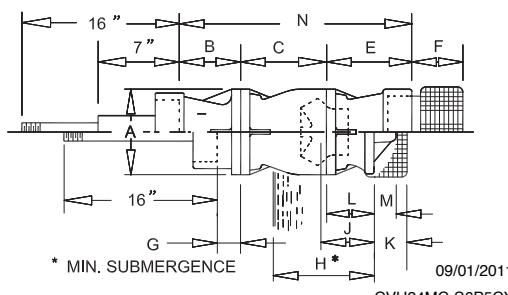
IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	78.1	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	146.50	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: N/A

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**BELL DIAMETER IS 28.75.

***LOW NPSH IMPELLER FOR 1ST STAGE ONLY.



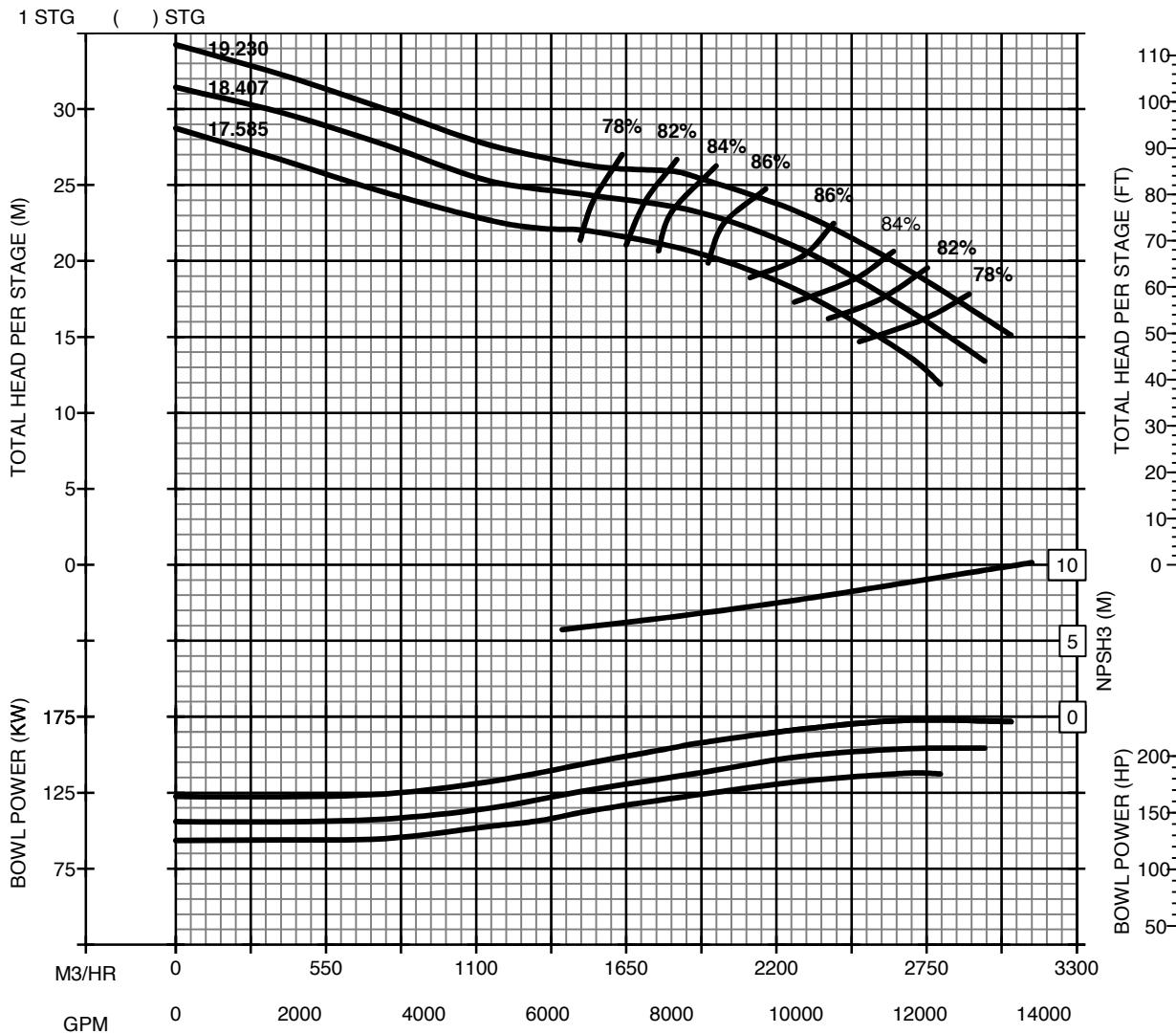
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H24XHC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-1	0						



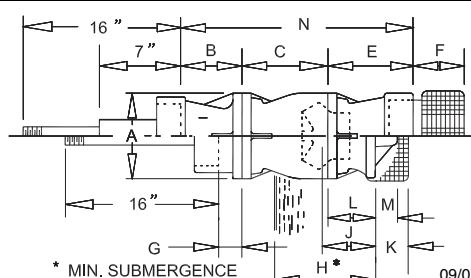
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	53.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	128.00	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: 541

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



CURVES
385

CURVE TEMPLATE 08.05.2011

09/01/2011
CVH24XHC6P5CY

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

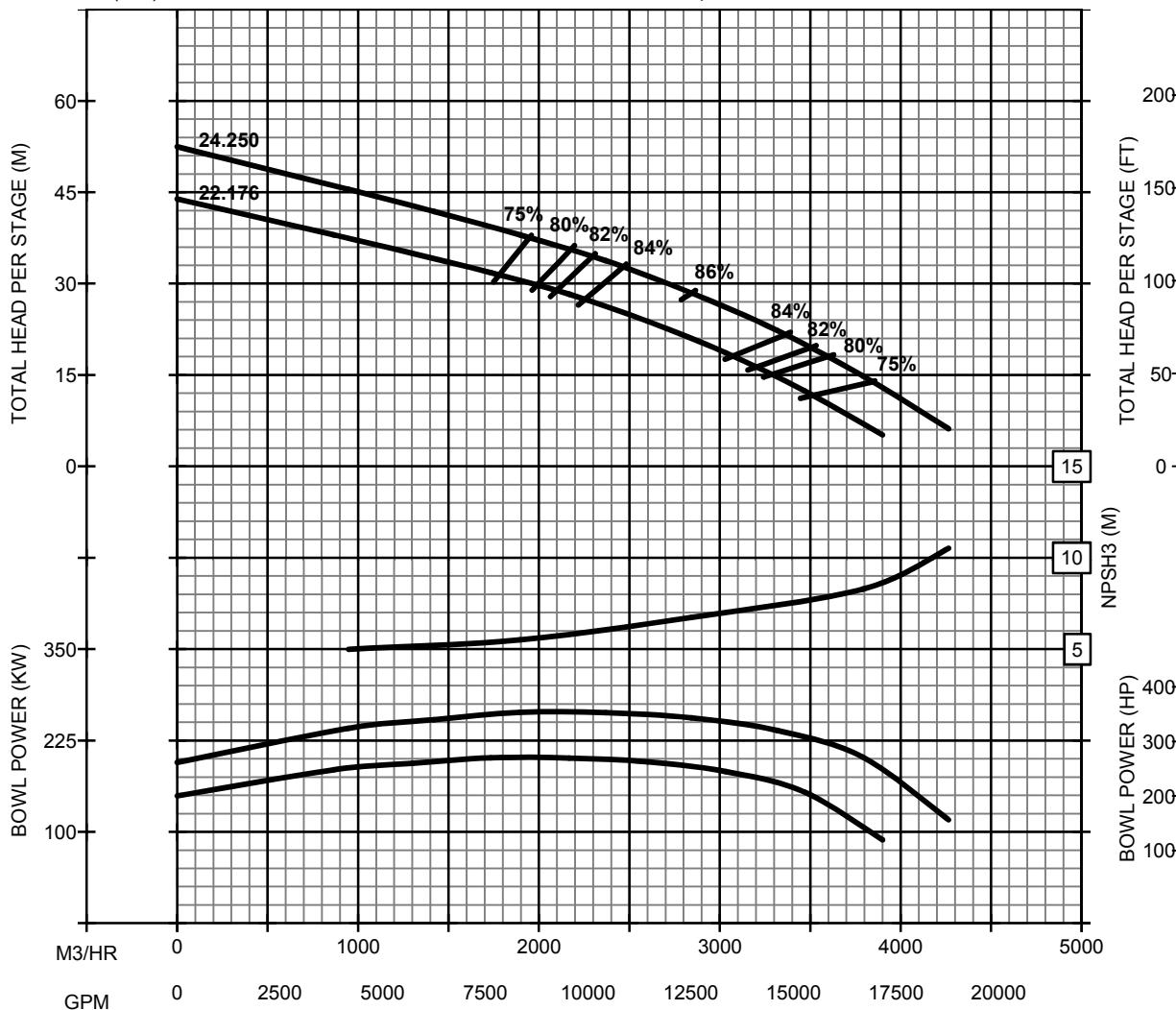


H30LC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



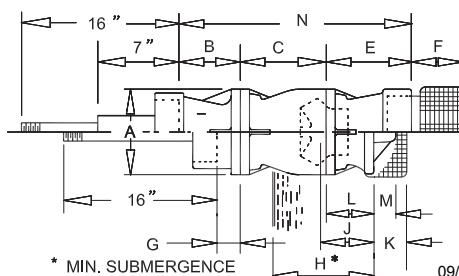
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020 ADD STG WT LB: 1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVH30LC6P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

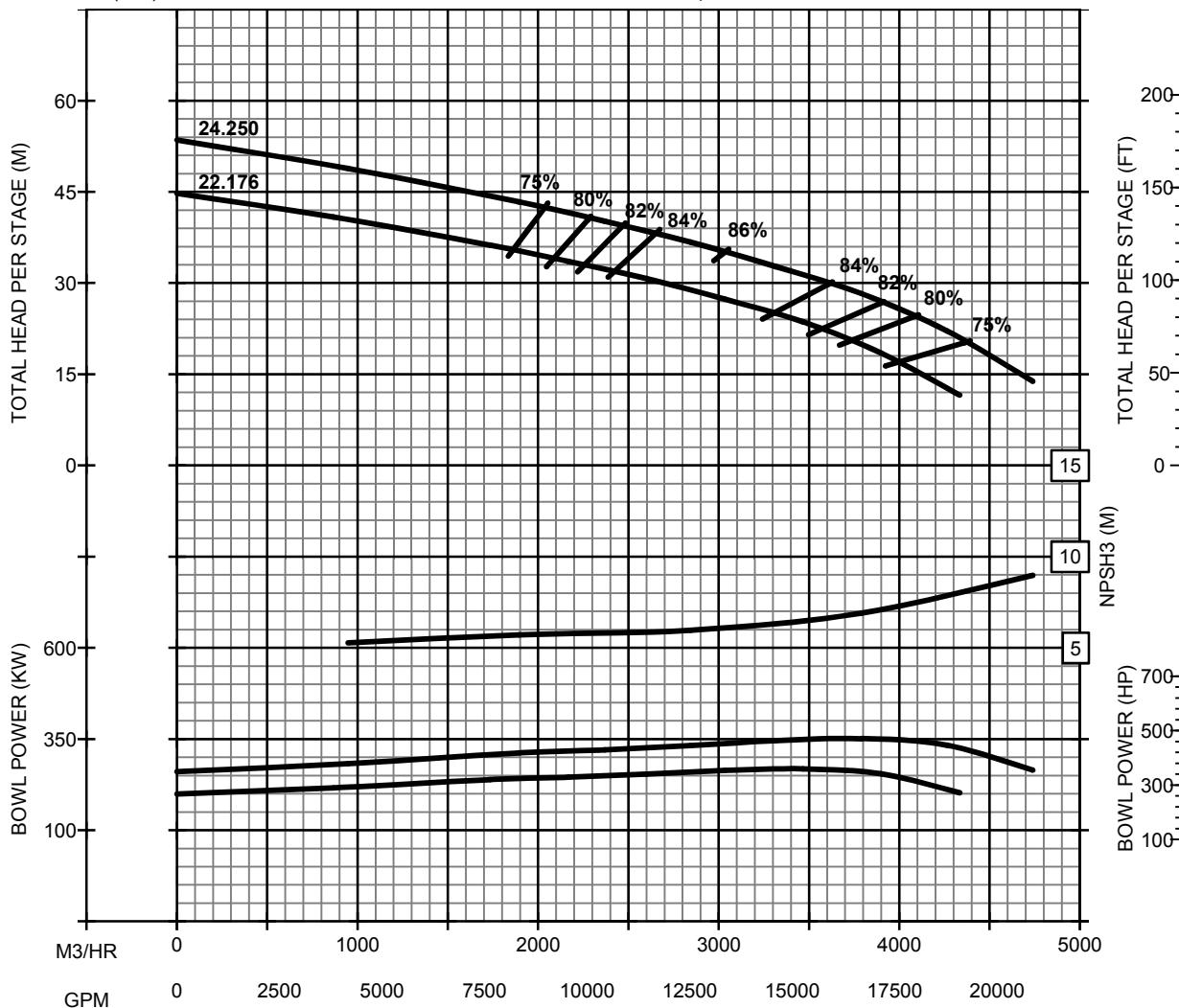


H30MC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN M3/HR	TDH	KW	EFF
		-1	0					

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



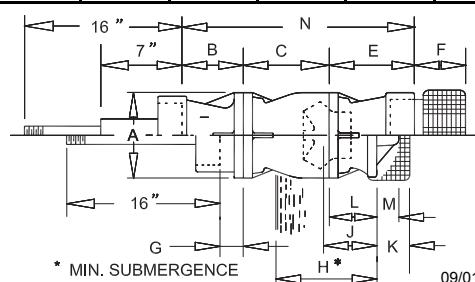
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020
		ADD STG WT LB:	1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



CURVES
985 RPM

CURVE TEMPLATE 08.05.2011

* MIN. SUBMERGENCE

09/01/2011

CVH30MC6P5CY



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

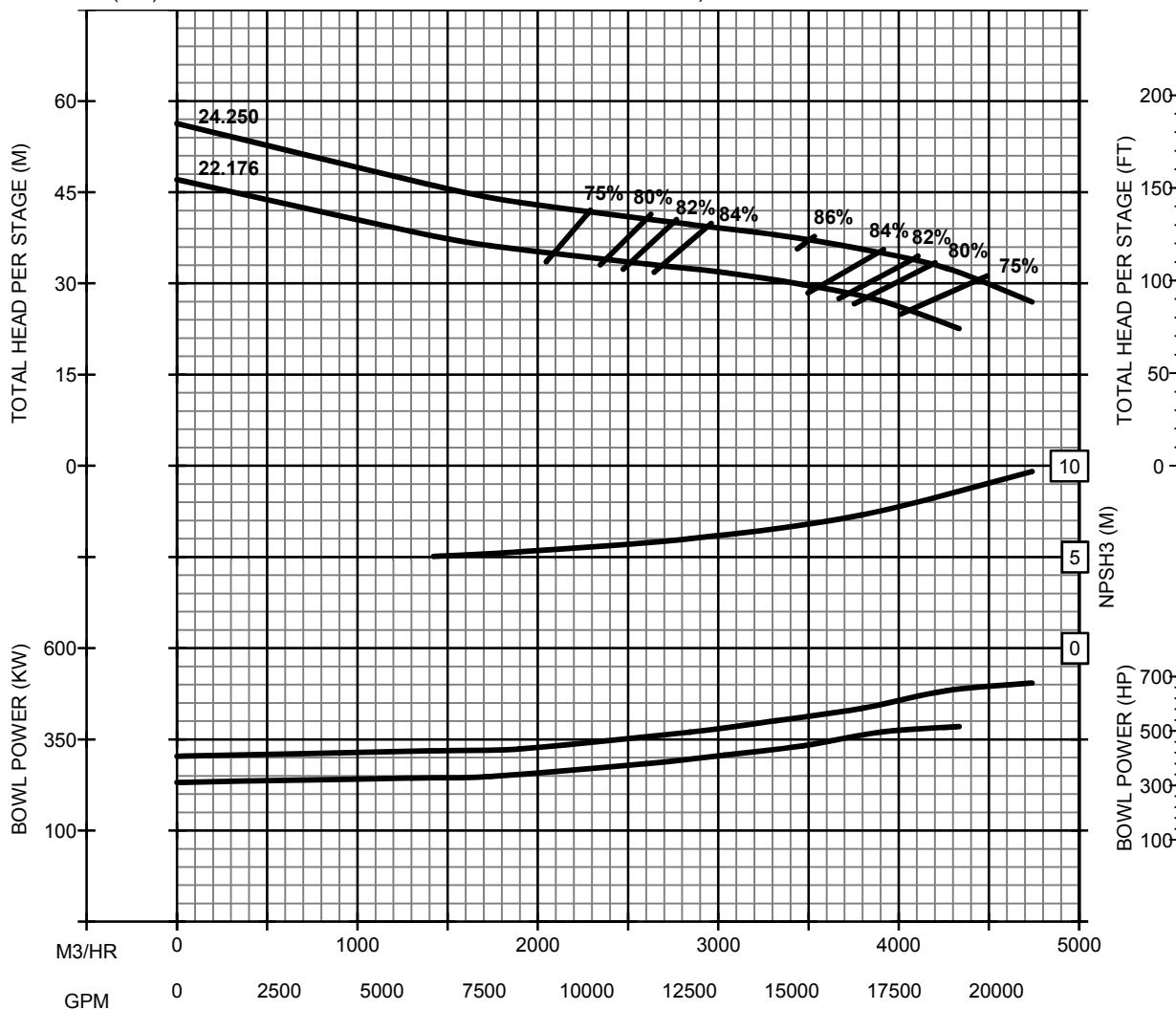


H30HC
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



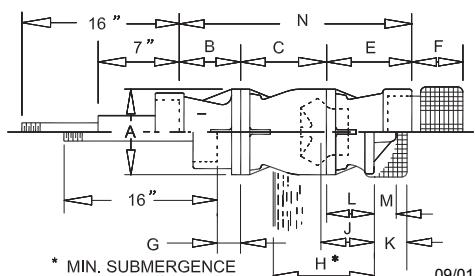
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020 ADD STG WT LB: 1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE

09/01/2011

CVH30HC6P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

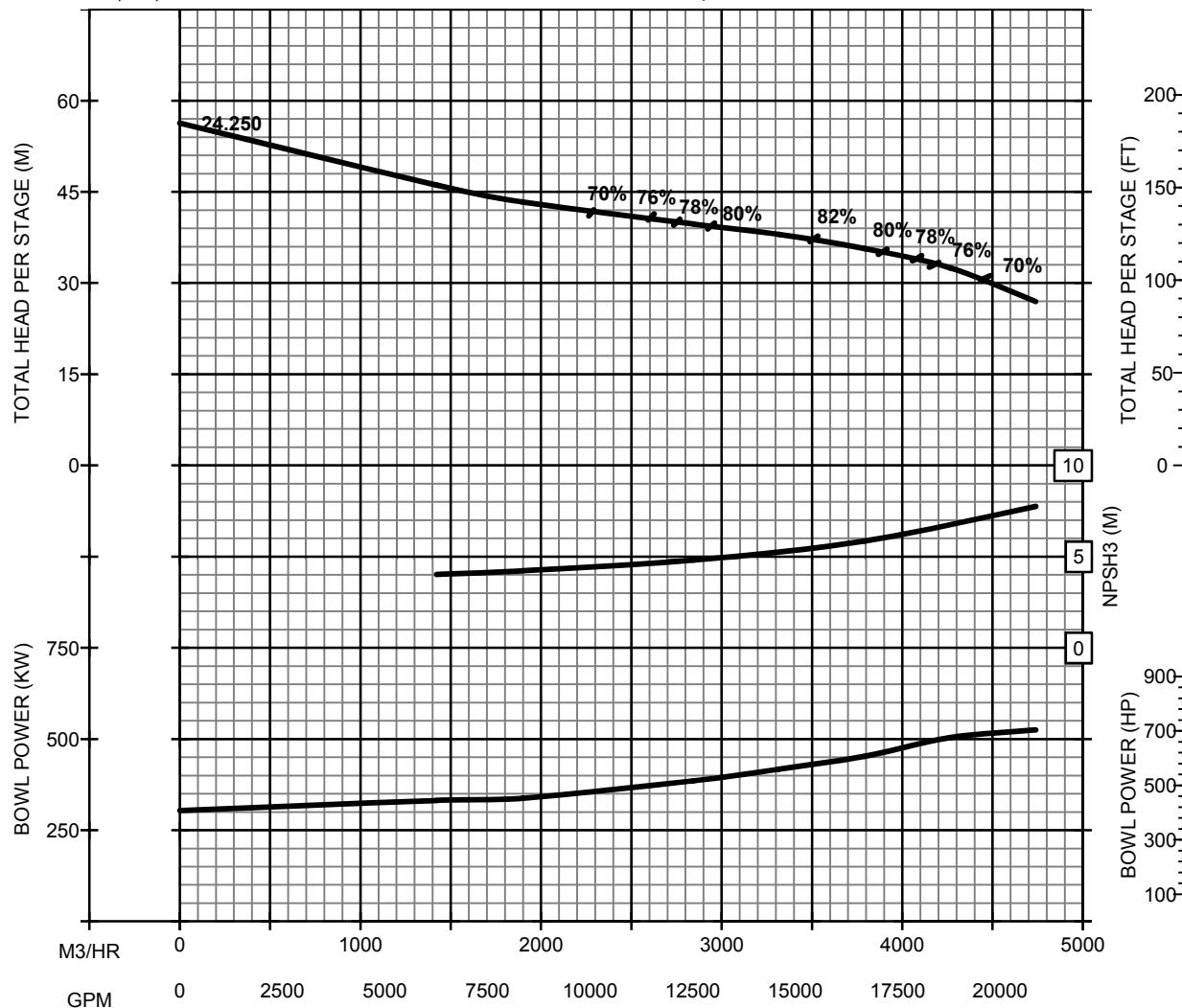


H30HC-S
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

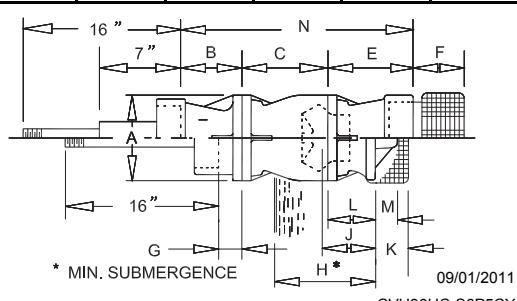
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020 ADD STG WT LB: 1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

LOW NPSH IMPELLER FOR 1ST ONLY



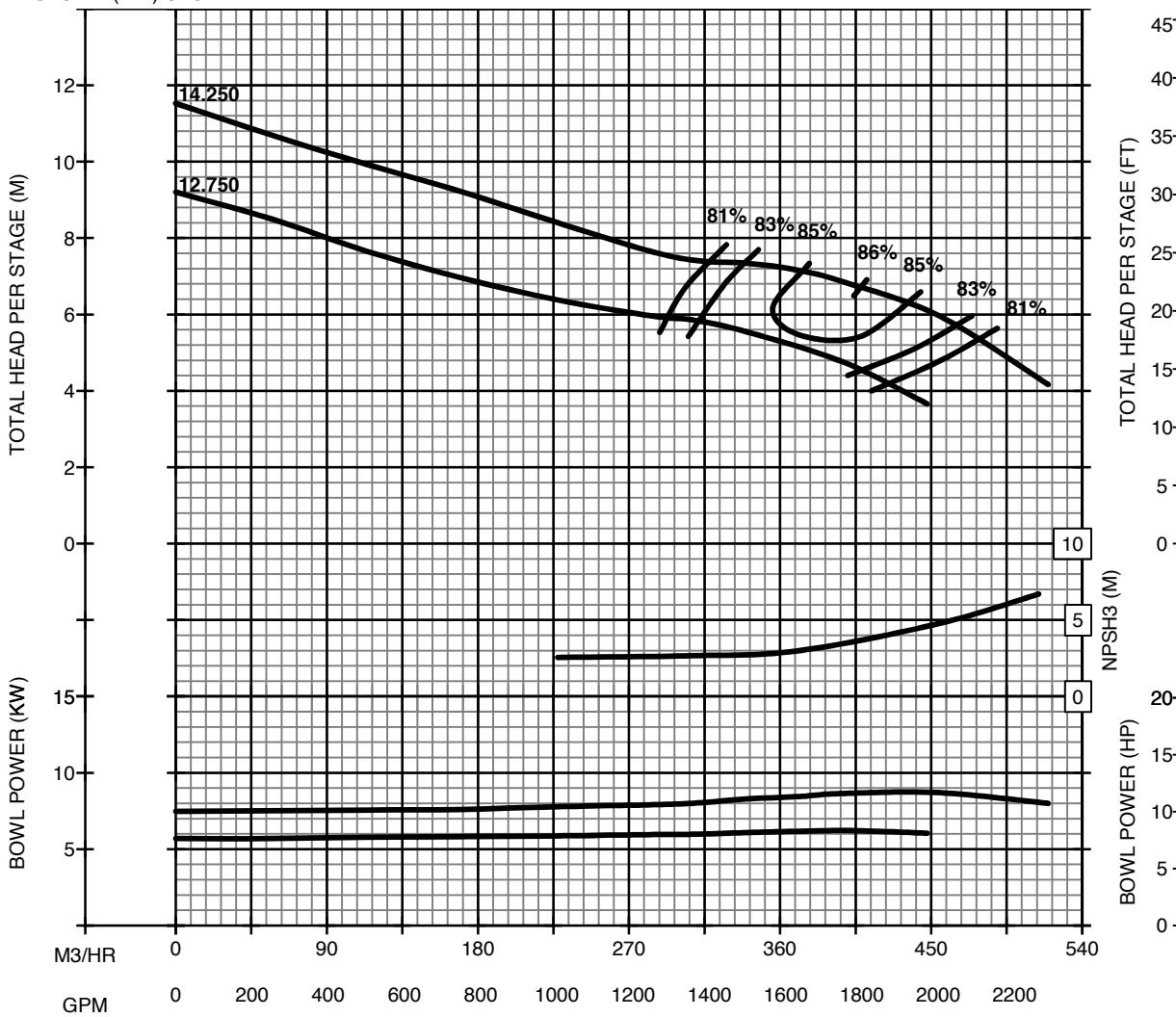
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E18LC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						

1 STG () STG



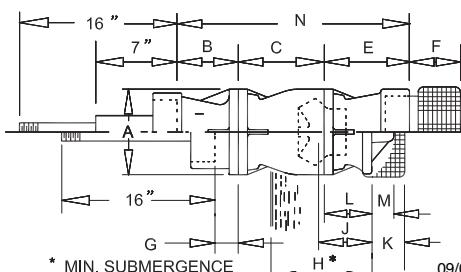
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN ² :	63.88	WR ² LB-FT ² :	9.01
SHAFT DIA:	2.187	1ST STG WT LB:	492 ADD STG WT LB: 315

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVE18LC8P5CY

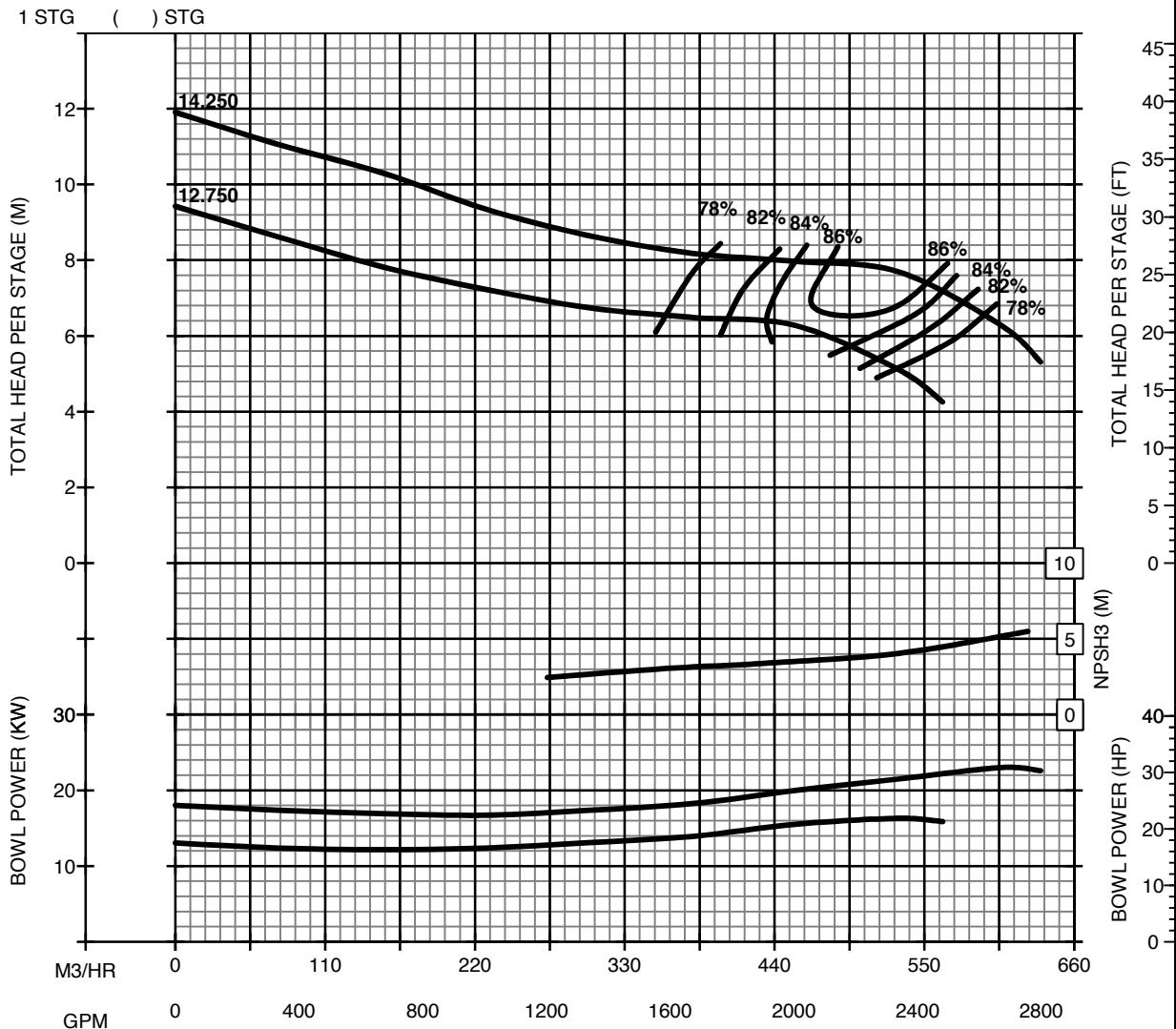
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



E18HC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
		-2	-1	0						



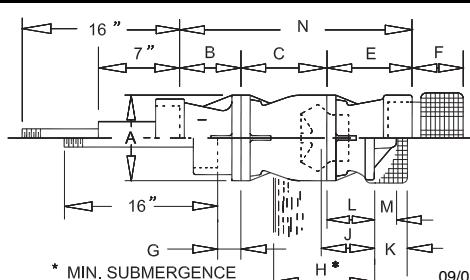
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN ² :	63.88	WR ² LB-FT ² :	9.26
SHAFT DIA:	2.187	1ST STG WT LB:	492 ADD STG WT LB: 315

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



CURVE TEMPLATE 08.05.2011

09/01/2011

CVE18HC8P5CY

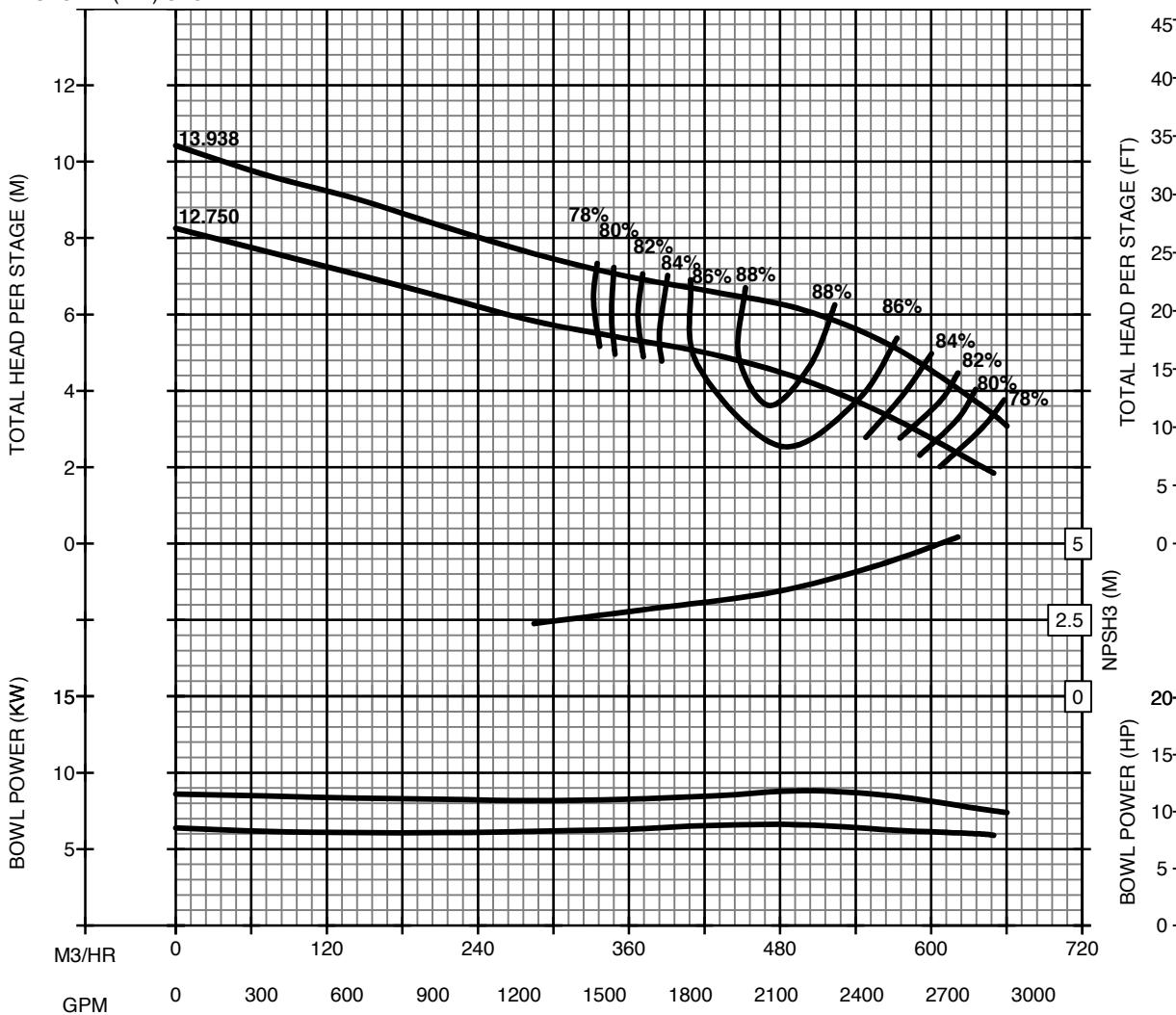
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20LC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
		-2	0							

1 STG () STG



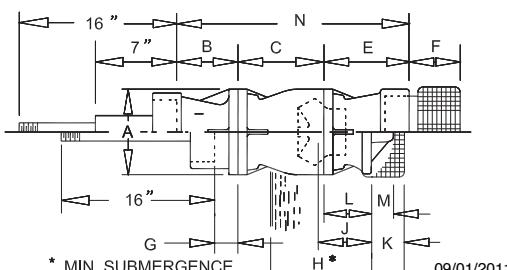
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

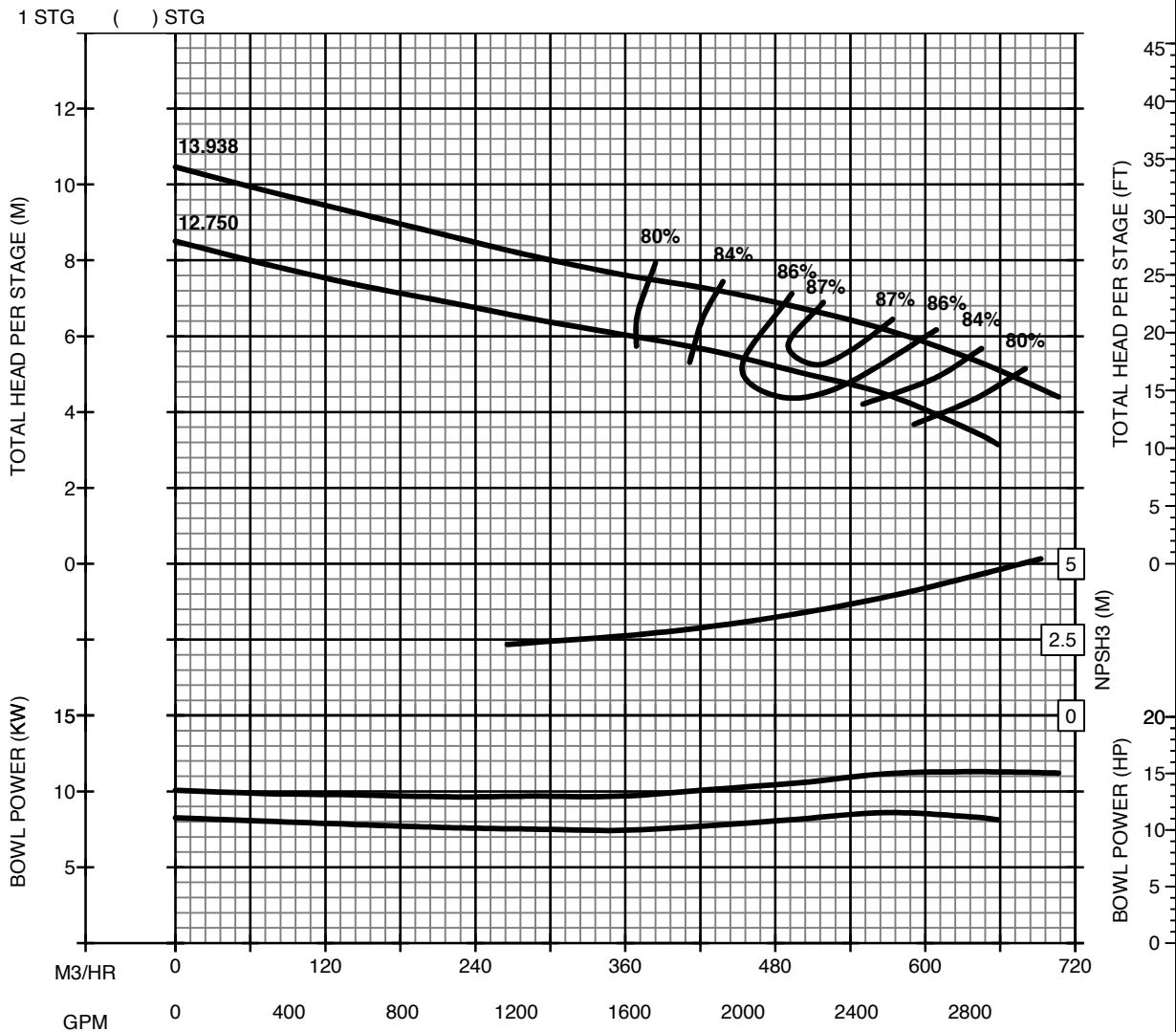


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20MC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-2	0						



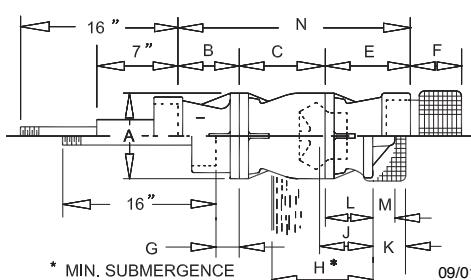
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVK20MC8P5CY

CURVE TEMPLATE 08.05.2011

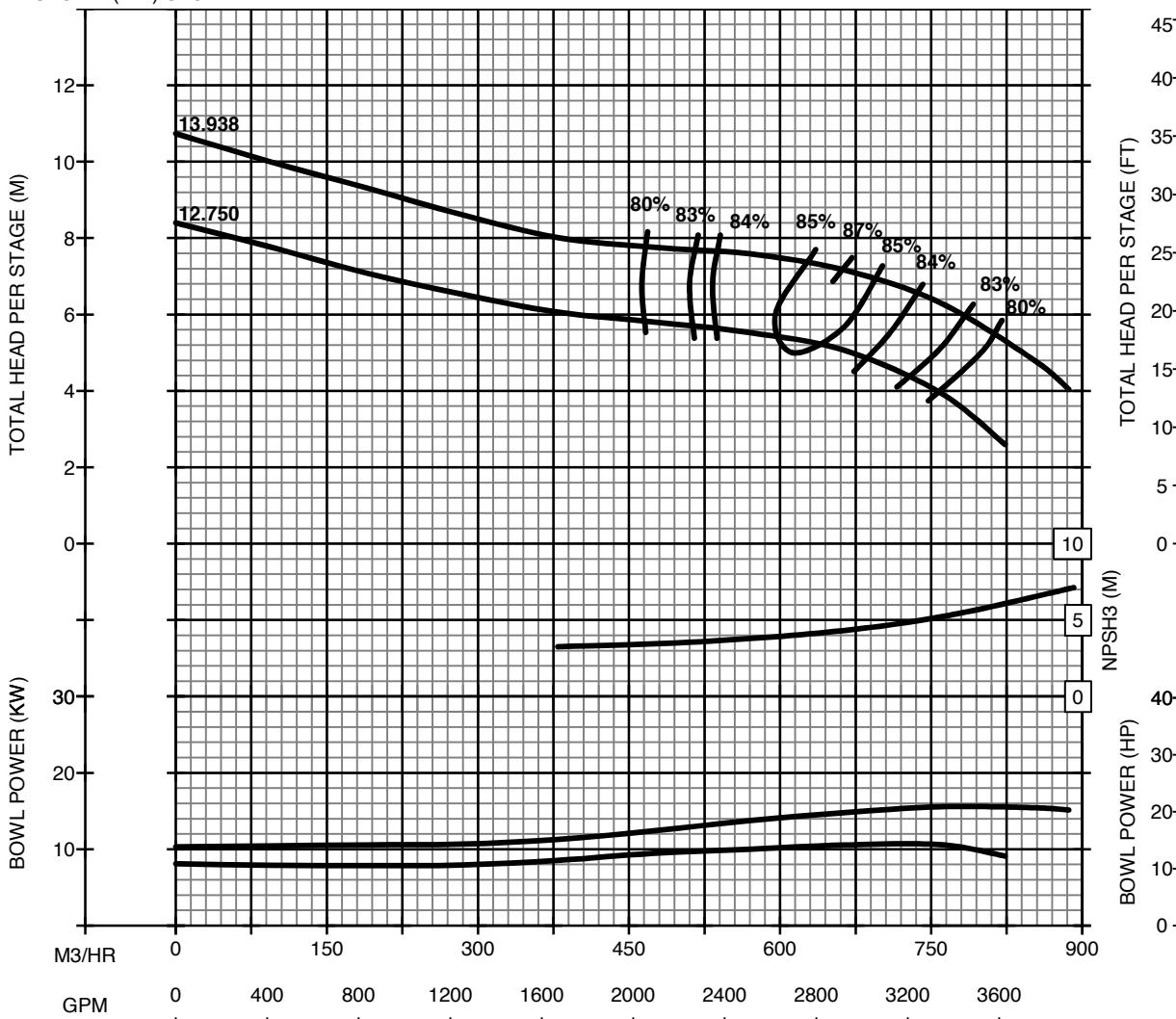
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20HC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN M3/HR	TDH	KW	EFF
		-2	0						

1 STG () STG



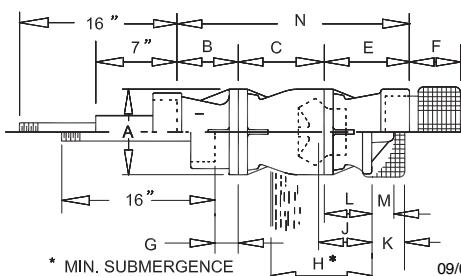
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	72.6	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



09/01/2011

CVK20HC8P5CY

CURVE TEMPLATE 08.05.2011

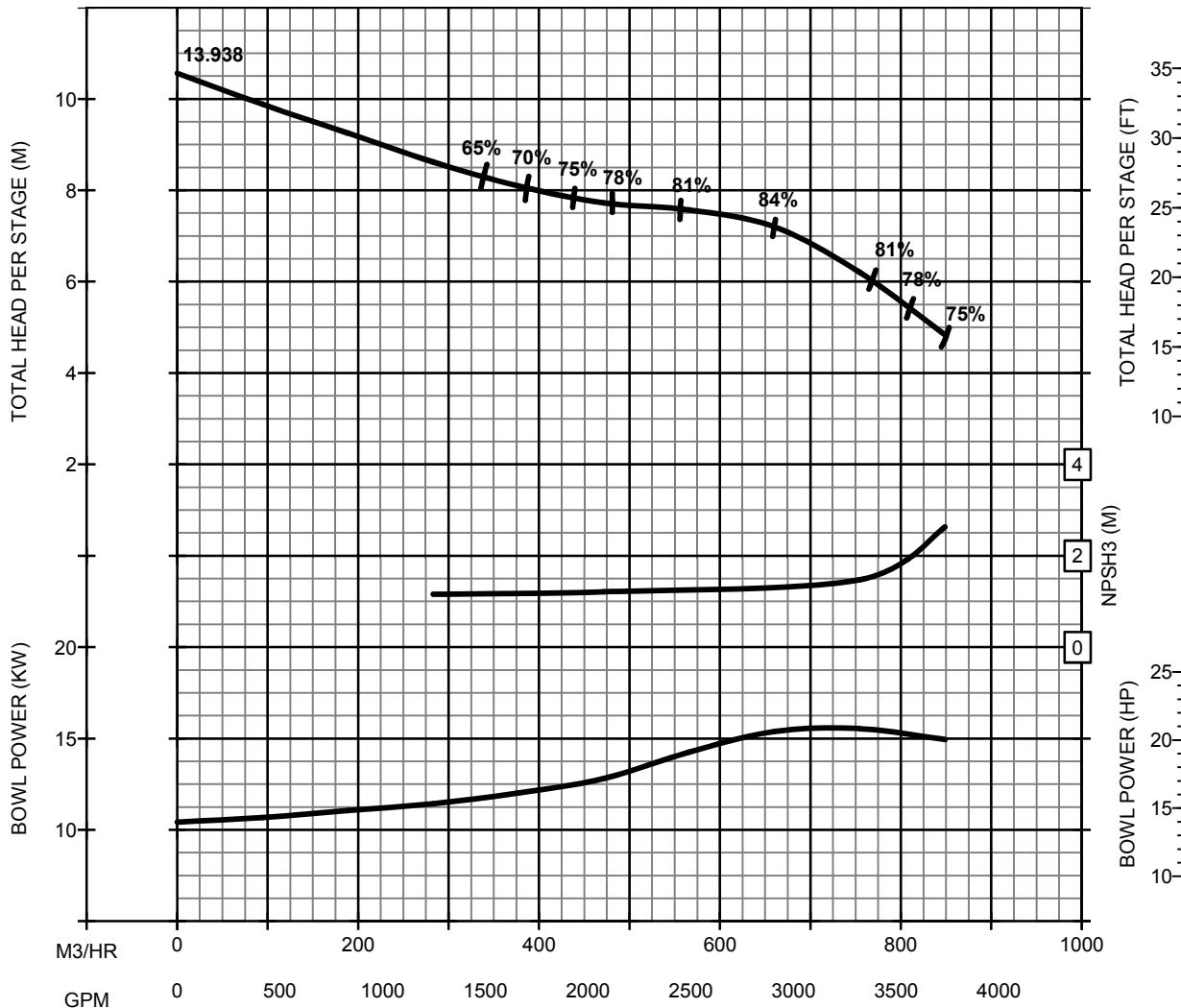
PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



K20HC-S
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	-	-	-	-	DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-	-	-	-				

1 STG () STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

PUMP DATA

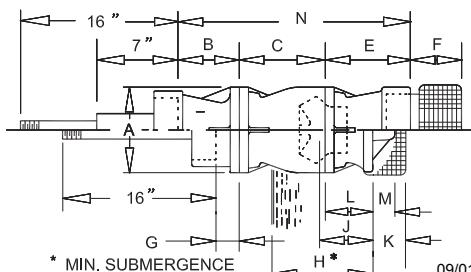
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NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	35.2	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN ² :	83.91	WR ² LB-FT ² :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730 ADD STG WT LB: 510

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

**BELL DIAMETER IS 20.65

LOW NPSH IMPELLER FOR 1ST STG ONLY



* MIN. SUBMERGENCE
09/01/2011
CVK20HC-S8P5CY

CURVE TEMPLATE 08.05.2011



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

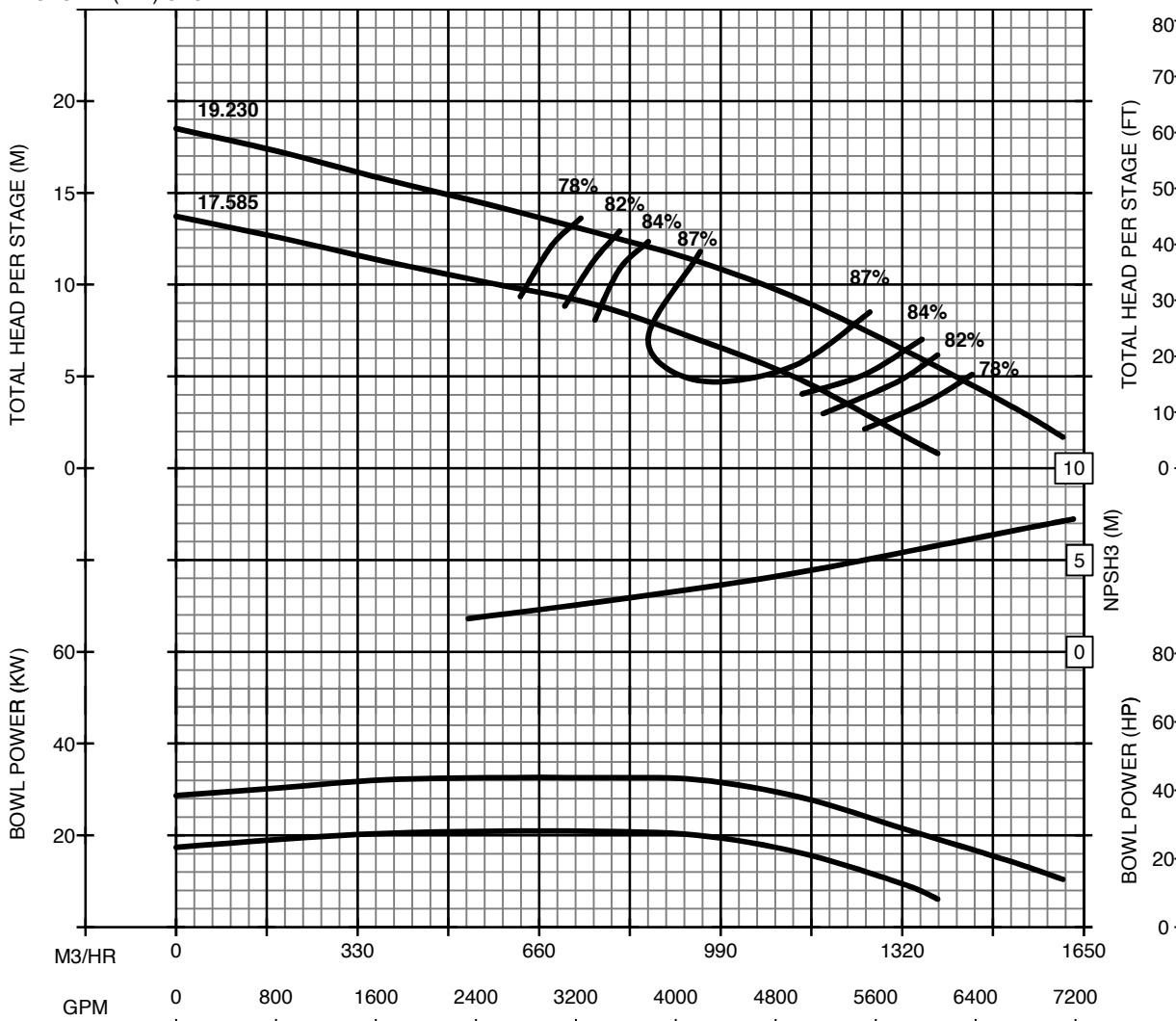


H24LC

735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG



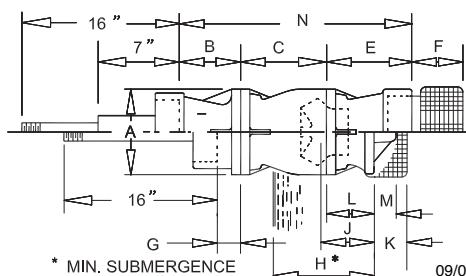
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	53.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	128.00	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: 541

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE 09/01/2011
CVH24LC8P5CY

CURVE TEMPLATE 08.05.2011

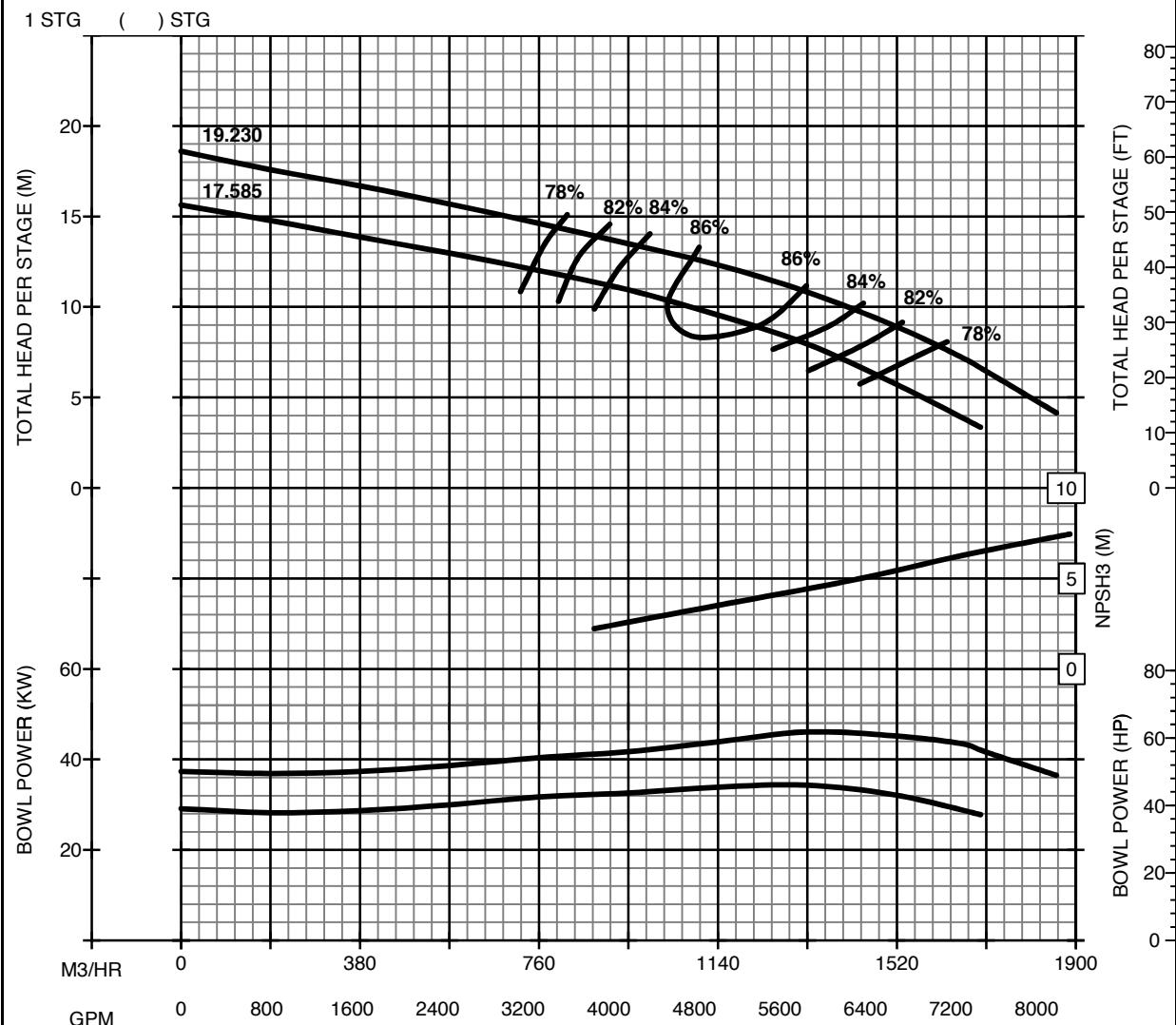


PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H24MC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
		NUMBER OF POINTS	-1	0						



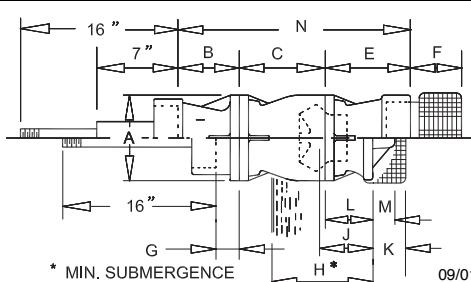
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	53.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	128.00	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: 541

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



* MIN. SUBMERGENCE
09/01/2011
CVH24MC8P5CY

CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

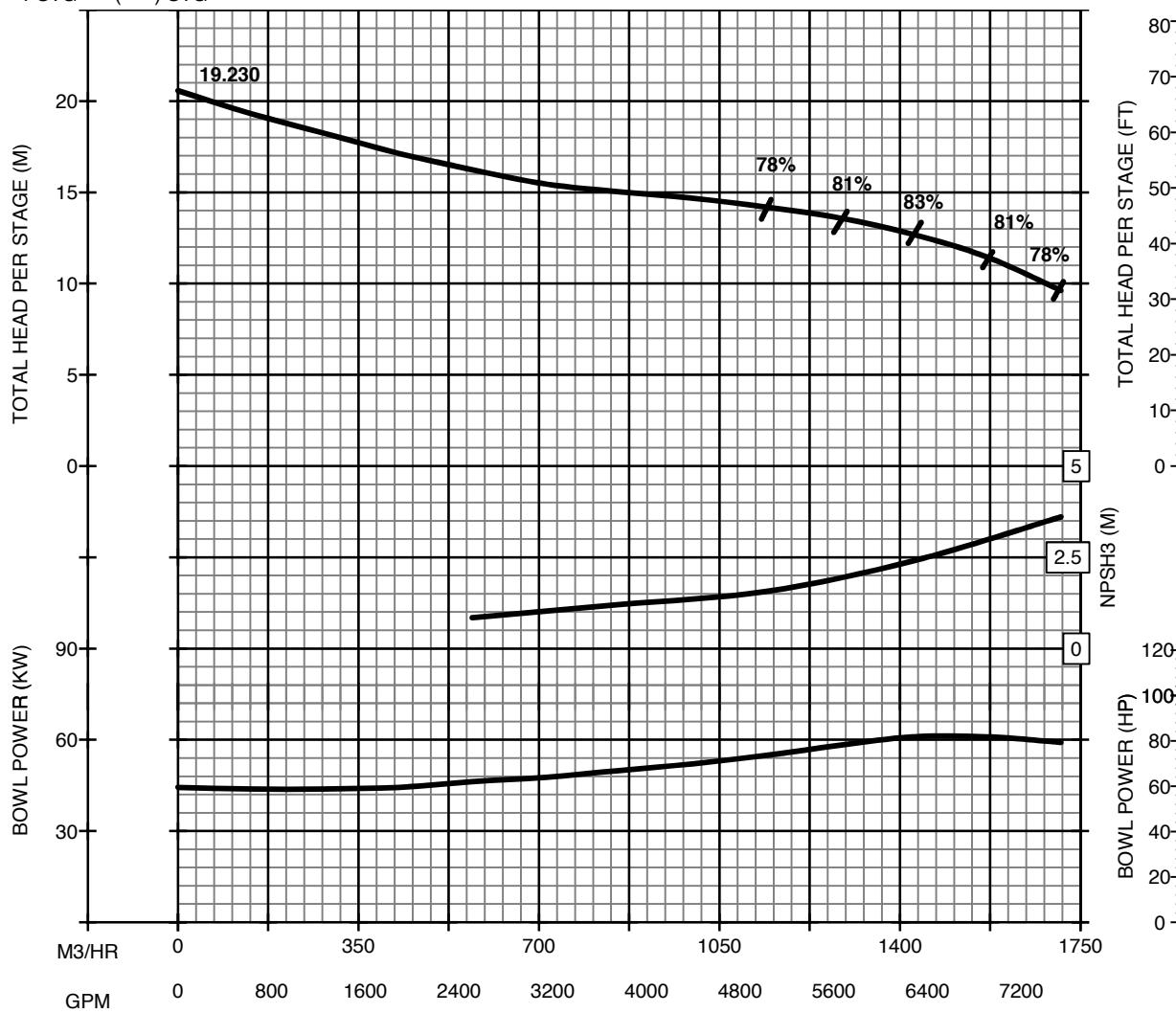


H24MC-S

735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	DESIGN				TDH	KW	EFF
		—	—	—	—			
	NUMBER OF POINTS	—	—	—	—			

1 STG () STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

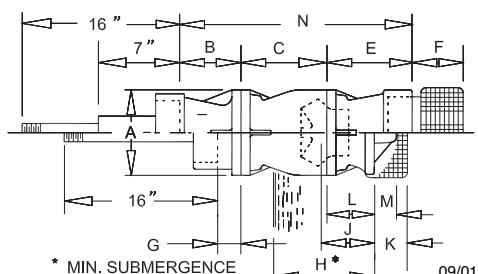
IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	78.1	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	146.50	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: N/A

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.

**BELL DIAMETER IS 28.75.

***LOW NPSH IMPELLER FOR 1ST STAGE ONLY.



09/01/2011

CVH24MC-S8P5CY

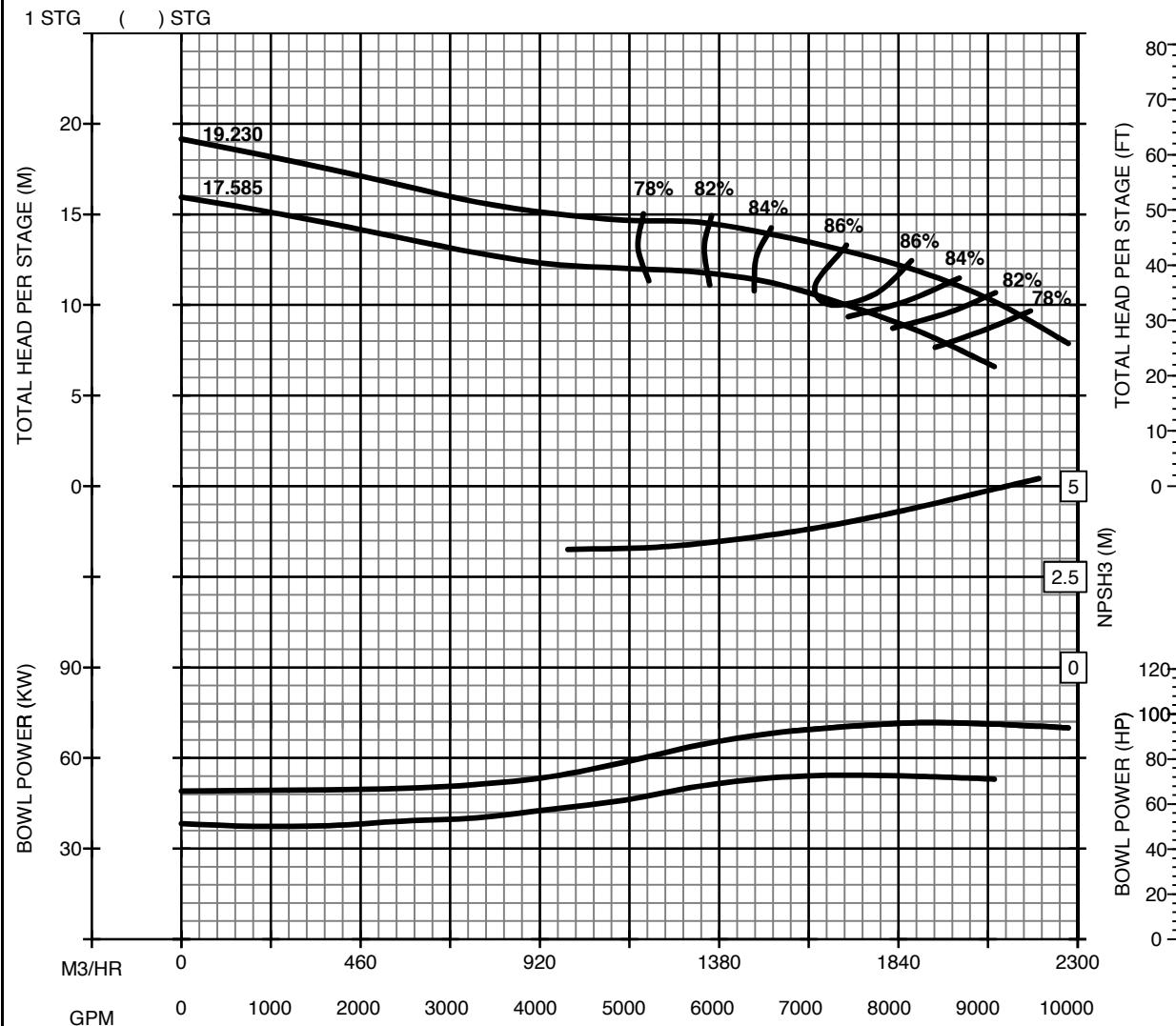
CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED



H24XHC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						



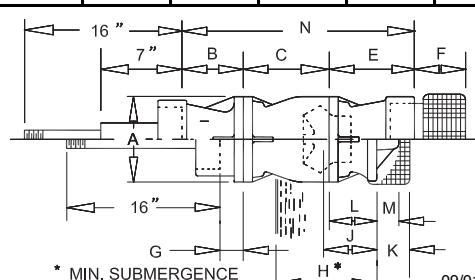
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	57.80	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN ² :	128.00	WR ² LB-FT ² :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762 ADD STG WT LB: 541

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

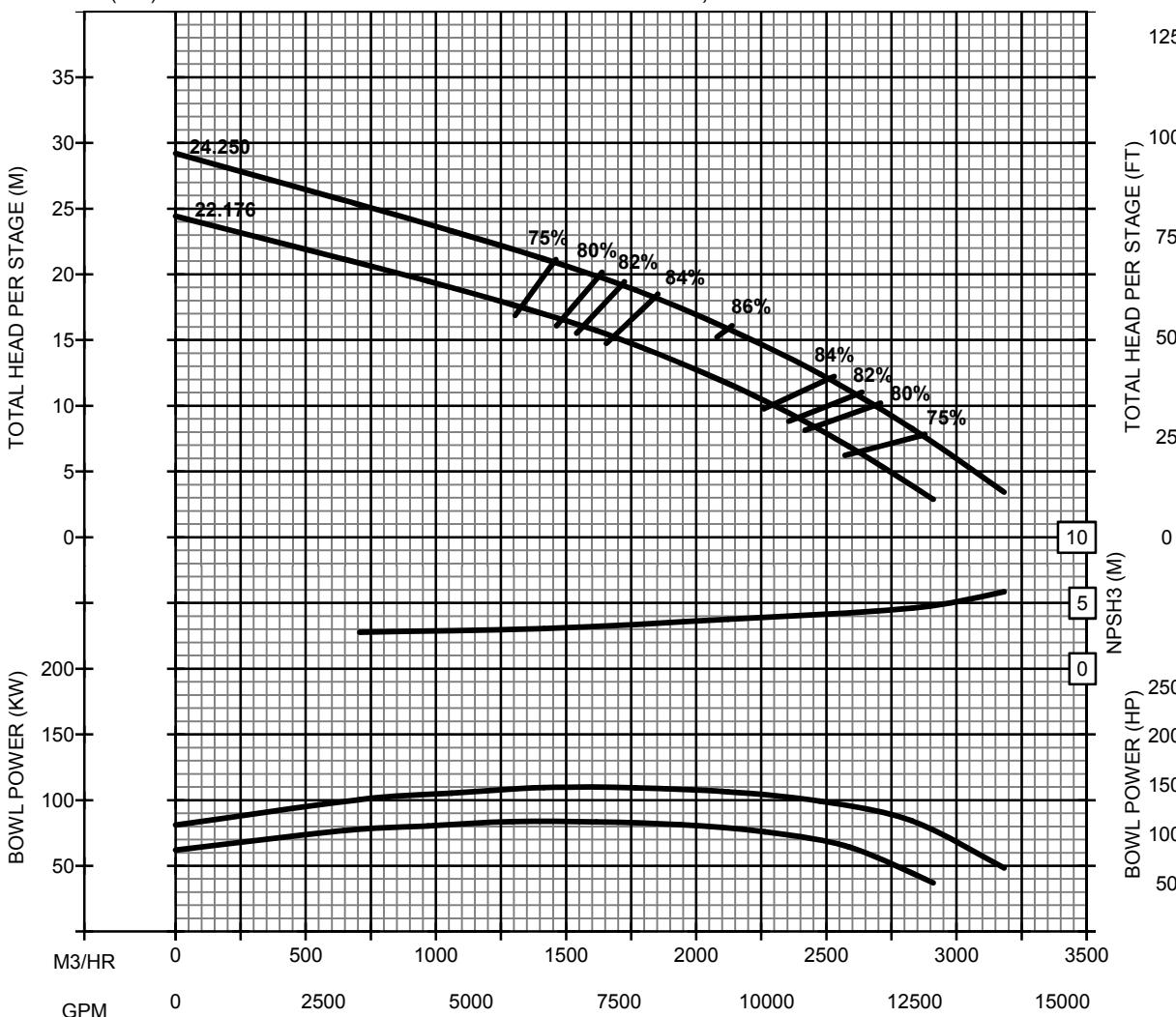


H30LC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



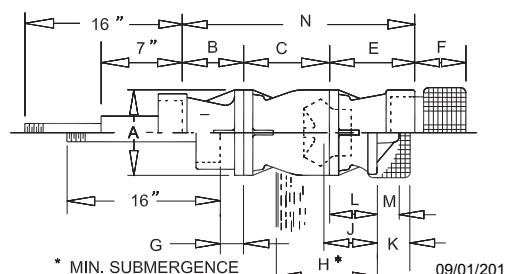
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020 ADD STG WT LB: 1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

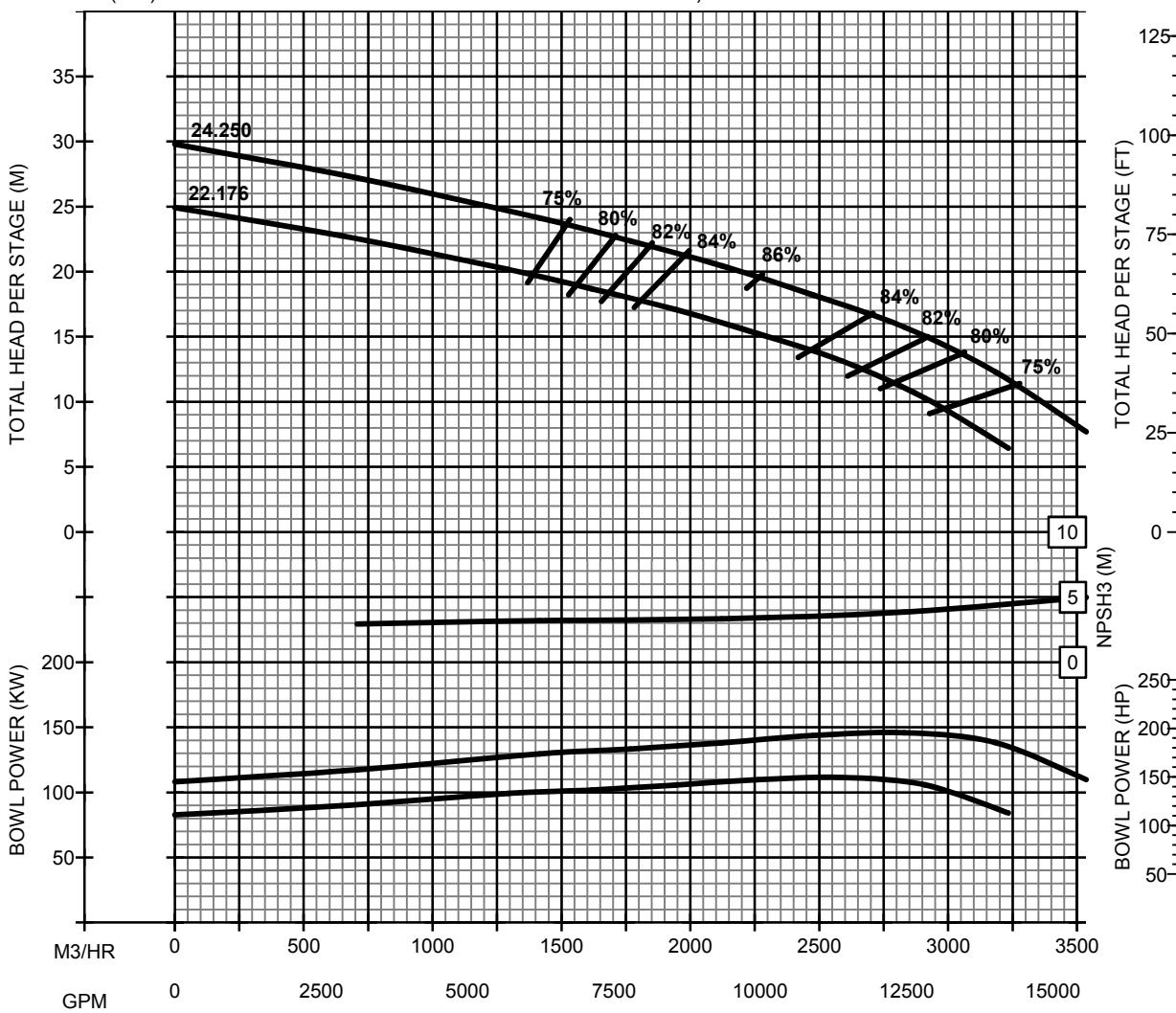


H30MC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



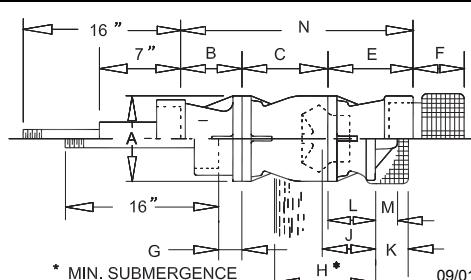
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020 ADD STG WT LB: 1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.



PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

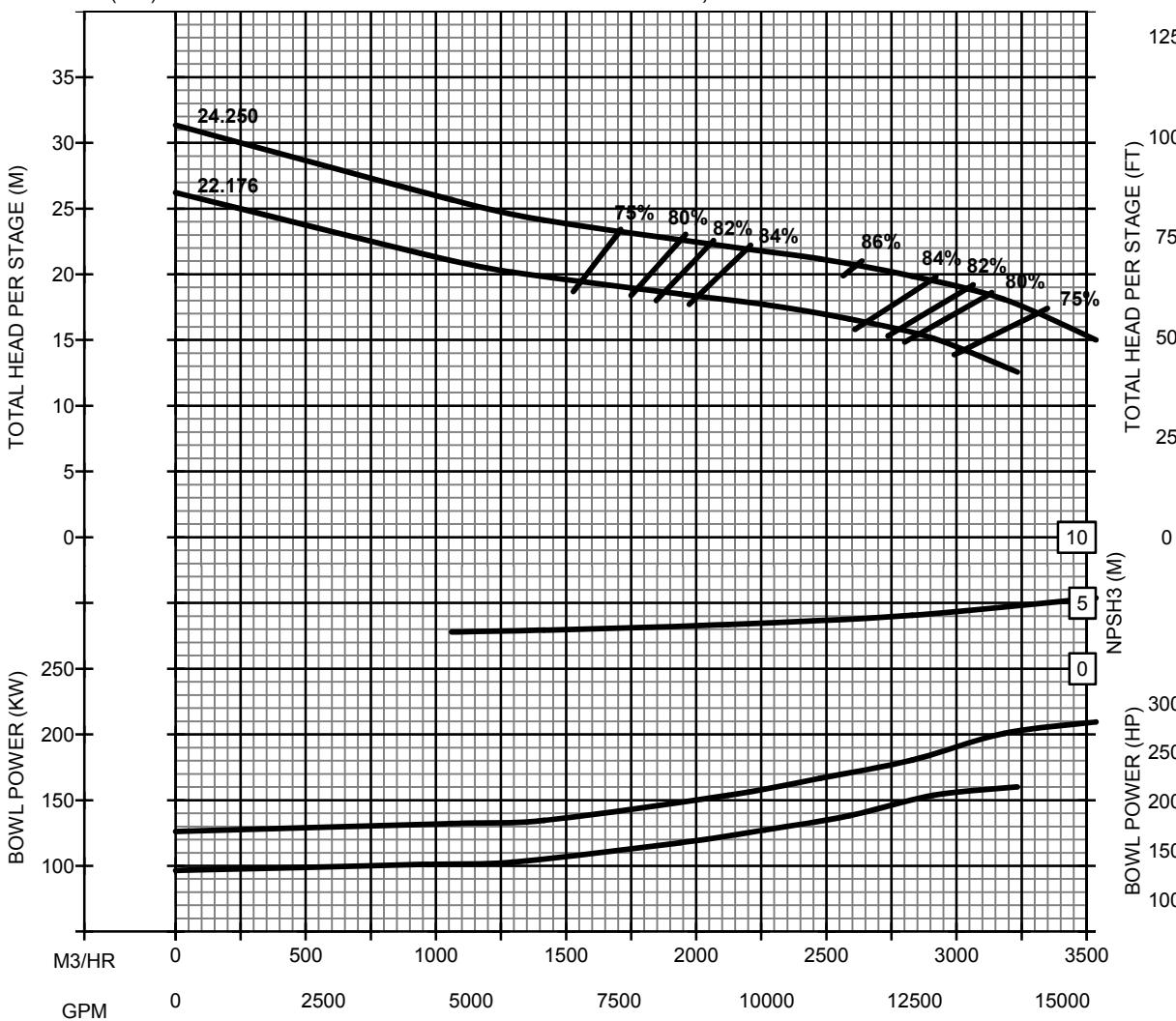


H30HC
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



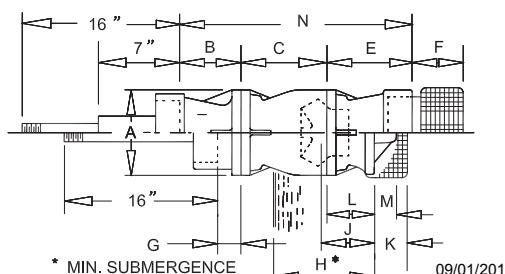
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020 ADD STG WT LB: 1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER UNLESS OTHERWISE SPECIFIED.



CURVE TEMPLATE 08.05.2011

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F MAXIMUM UNLESS
OTHERWISE SPECIFIED

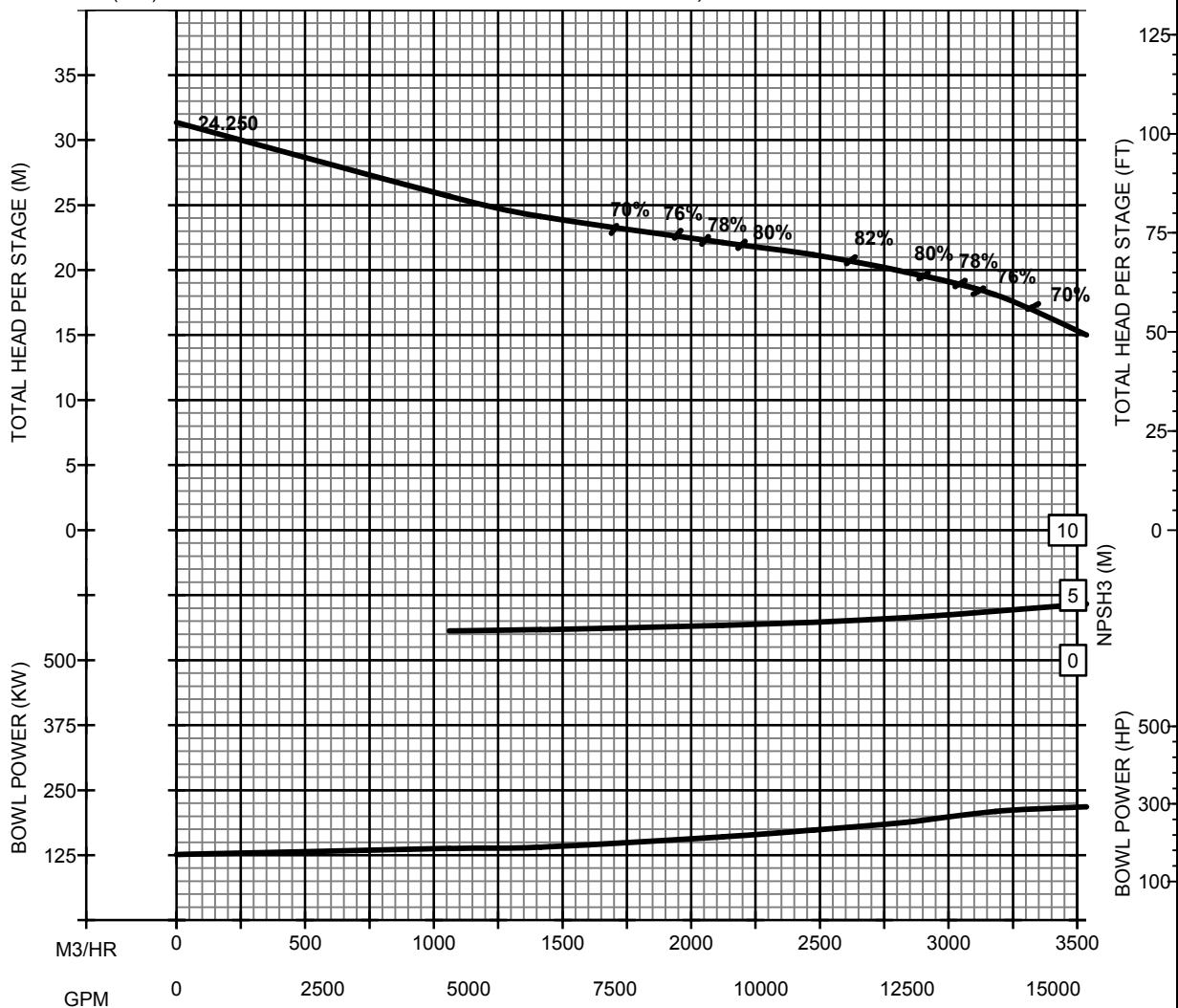


H30HC-S
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2		DESIGN	M3/HR	TDH	KW	EFF
		-1	0						

1 STG () STG

TEMPORARY CURVE, CONTACT FACTORY



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

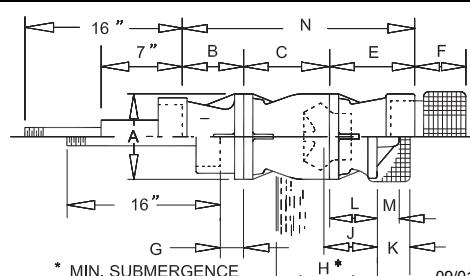
PUMP DATA

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	N/A
THRUST CONSTANT:	85.0	SUCTION SIZE:	N/A
LATERAL (STD):	1.50	STD. TUBE:	N/A
EYE AREA IN ² :	187.0	WR ² LB-FT ² :	101
SHAFT DIA:	3.50	1ST STG WT LB:	2020 ADD STG WT LB: 1472

*THIS DIMENSION TO BE USED WITH NPSH3. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLER
UNLESS OTHERWISE SPECIFIED.

LOW NPSH IMPELLER FOR 1ST ONLY



* MIN. SUBMERGENCE
09/01/2011
CVH30HC-S8P5CY

CURVE TEMPLATE 08.05.2011



NATIONAL PUMP COMPANY

Subject to the terms and conditions set forth below, NATIONAL PUMP COMPANY ("National") warrants that its manufactured equipment is free from defects in workmanship and materials USING ITS SPECIFICATIONS AS A STANDARD. This warranty does not extend to anyone except the first purchaser to whom the goods are shipped from National.

National's obligation under this warranty is expressly limited to replacing or repairing, free of charge, F.O.B. point of manufacture, any defective part or parts of its manufactured equipment; however, NATIONAL SHALL HAVE NO SUCH LIABILITY EXCEPT WHERE IT IS SHOWN TO THE SATISFACTION OF NATIONAL THAT THE DAMAGE OR CLAIM RESULTED FROM BREACH OF THIS WARRANTY. All parts claimed defective must be delivered to National at its factory or any factory branch, freight or express thereon PREPAID.

Every claim under this warranty SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING AND RECEIVED BY NATIONAL WITHIN THIRTY (30) DAYS OF THE DATE THE DEFECT WAS DISCOVERED OR SHALL HAVE BEEN DISCOVERED, and within one year of the date of installation. The installation date must be within six months of the date the pump was purchased from National.

This Warranty does not cover those parts of the manufactured equipment which are not manufactured by National except to extend to the purchaser the same warranty, if any which is given to National by the manufacturers of said parts.

National makes no other representation of warranty of any kind, express or implied, in fact or in law, including without limitation, the warranty of merchantability or the warranty of fitness for a particular purchase, other than the limited warranty set forth herein. In no event shall National be liable for any consequential or incidental damages resulting directly or indirectly from the use or loss of use of the manufactured equipment. National shall not be liable for any alleged negligence, breach of warranty, strict liability, or any other theory other than the limited liability set forth herein.

THIS WARRANTY CONTAINS THE ENTIRE WARRANTY RELATING TO THE MANUFACTURED GOODS OF NATIONAL, AND NO CONDUCT, ORAL STATEMENTS OR REPRESENTATIONS NOT CONTAINED IN THIS WARRANTY SHALL HAVE ANY FORCE OR EFFECT OR BE DEEMED A WAIVER THEREOF, THIS WARRANTY SHALL NOT BE MODIFIED IN ANY WAY EXCEPT IF IN WRITING AND SIGNED BY AN AUTHORIZED REPRESENTATIVE OF NATIONAL.

This Warranty, and any liability of National hereunder, shall be governed by, construed, and enforced in accordance with the laws of the State of Ohio.

STANDARD TERMS AND CONDITIONS OF SALE

1. **ACCEPTANCE OF ORDERS:** All orders are subject to acceptance by an Officer of the Company and orders and deliveries are subject to the Company's regular credit policy. The Company reserves the right to refuse any order based on a quotation containing a gross error.
2. **PRICES:** List prices and discount schedules are to be maintained at all times. Prices are for merchandise F.O.B. shipping points, freight collect or prepaid, and added to the invoice. Prices, discounts, quotations, and specifications are subject to change without notice and will be applied as in effect at time of shipment.
3. **TERMS:** Except as otherwise indicated, payment is due 30 days after date of invoices. Interest at the maximum legal rate will be charged on all overdue amounts.
4. **TAXES:** Taxes imposed by any Federal, State, County, or Municipal law on the sale will be added to the invoice, unless a fully executed tax exemption certificate is received with the order.
5. **ORDER CHANGES:** No changes in orders will be accepted from the Purchaser except by special written arrangement with the executive office of National.
6. **RETURN OF GOODS:** Written permission from the factory must be obtained before returning any merchandise. All transportation charges must be borne by the Customer. New material of current design accepted by the Company for credit is subject to a restocking charge of at least 15 percent.
7. **CLAIMS:** All goods shall be deemed delivered to purchaser at the time they are placed in the hands of carrier and consigned to purchaser.
8. **ROUTING:** If routing of shipment is specified on Customer's order, it will be followed whenever practical.
9. **SUBSTITUTION:** The Company reserves the right to substitute materials and modify specification to the extent required in order to comply with any Government law or regulation.
10. **MINIMUM ORDER AMOUNT:** The minimum order amount to be charged on customer account is \$50.00. All orders for less than this amount will be billed at the minimum of \$50.00 not including tax or freight charges.

NOTES

NATIONAL PUMP COMPANY'S CAPABILITIES

SALES AND SERVICE:

Putting the "customer first" is at the center of everything we do at National Pump. Our experienced sales, marketing, application engineers and branch managers offer many years of pump experience and are challenged to satisfy customer product and service needs. Challenge the National Pump team on your next API, agricultural, industrial and municipal application and discover how we can add value to your business.



PRODUCT & MANUFACTURING

National Pump Company manufactures a complete line of vertical turbine pumps and pump systems from an extensive inventory located in six (6) USA build centers. Pump capabilities range from 15 through 3,000 M³/HR. NPC also manufactures and stocks a complete line of VTP accessories, including: column, tube and shaft, standard and custom discharge heads, gear drives and VHS motors, and offers custom pump design, fabrication work, sandblasting and powder coating capabilities.



ENGINEERING & TECHNOLOGY:

National Pump Company's Engineering Department is staffed with extremely experienced engineers and technicians. The team utilizes the latest technology for the design and application of pump products, which includes (CAD) computer aided design, 3D modeling, and realistic engineering programs. This technology and experience ensures that the final product is properly designed for optimum performance.



QUALITY CONTROL:

National Pump strives to deliver the highest quality products for complete customer satisfaction through continuous quality improvement initiatives. NPC has a published Quality Assurance program that integrates all facets of the business including: engineering, procurement, assembly, testing, shipping, receiving, and supplier inspections. Every employee at NPC understands they are responsible for the quality objectives of the organization but most importantly to our customers.



TESTING:

NPC offers full HYDRAULIC INSTITUTE certified pump testing, along with UL 508A electrical certification and custom panel building for our complete line of pumps and custom pump stations.



PRODUCT AVAILABILITY AND SUPPLY CHAIN:

National Pump markets its pumps and components in the USA and in over 40 countries globally. We operate six (6) Build and Service Centers in the USA in which we stock and utilize the best quality domestic and international components to insure a quality and reliable pump installation. Our forecasting tools and distribution system maintains thousands of pump parts to help achieve the best customer satisfaction with timely customer deliveries.



MEETING CUSTOMER NEEDS



Creating Quality Pump Systems and Satisfied Customers

Visit us on the web at: www.nationalpumpcompany.com

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(800) 966-5240



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(229) 268-2921 • Fax (229) 268-7136
(800) 741-2921

CALIFORNIA

2790 S. Railroad Ave., • Fresno, CA 93725
(559) 497-5071 • Fax (559) 497-8816
(800) 868-9755

FLORIDA

195 E. 3rd Street, Zolfo Springs, FL 33890
(863) 735-8222 • Fax (863) 735-8202
(800) 994-3045

MISSISSIPPI

11176 Green Valley Dr., • Olive Branch, MS 38654
(662) 895-1110 • Fax (662) 895-5083
(866) 668-4914

TEXAS

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