

## 50 HZ CURVES

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

- ▶ API/OIL & GAS
- ▶ COMMERCIAL
- ▶ INDUSTRIAL
- ▶ IRRIGATION
- ▶ MINING
- ▶ MUNICIPAL
- ▶ RESIDENTIAL

Delivering Vertical Turbine Pump  
Reliability, Quality and Service  
Since 1969

# 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 M<sup>3</sup>/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 M<sup>3</sup>/HR, Heads to: 45 M/STG, 87% Efficiency, NPSHR to 2 M.



## L6LC PUMP

New 15 M<sup>3</sup>/HR Low Flow 6" pump primarily designed for the API 610 oil and gas industry.

Flows to: 15 M<sup>3</sup>/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 M<sup>3</sup>/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: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

PHYSICAL ADDRESS: \_\_\_\_\_

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\_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

NUMBER OF CATALOGS: \_\_\_\_\_

# 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.

***F**rom 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.*

***W**e offer a full range of vertical turbine and submersible pumps, water or oil lubricated, of threaded or flanged construction, with capacities to 4,000 M<sup>3</sup>/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.

***B**efore 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!*

**Creating Quality Pump Systems and Satisfied Customers**

**Visit us on the web at: [www.nationalpumpcompany.com](http://www.nationalpumpcompany.com)**





## MAIN OFFICE

### ARIZONA

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(623) 979-3560 • Fax (623) 979-2177  
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## FACTORY BRANCH LOCATIONS

### CALIFORNIA

2790 S. Railroad Avenue  
Fresno, CA 93725  
(559) 497-5071 • Fax (559) 497-8816  
(800) 868-9755

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195 E. 3rd Street  
Zolfo Springs, FL 33890  
(863) 735-8222 • Fax (863) 735-8202  
(800) 994-3045

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902 East Union Street  
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(229) 268-2921 • Fax (229) 268-7136  
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Olive Branch, MS 38654  
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(806) 745-5396 • Fax (806) 745-6668  
(800) 745-5393

Email: [info@natlpump.com](mailto:info@natlpump.com)

[www.nationalpumpcompany.com](http://www.nationalpumpcompany.com)

JANUARY 2012

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PLEASE REFER TO ENGINEERING CATALOG FOR TECHNICAL DATA.

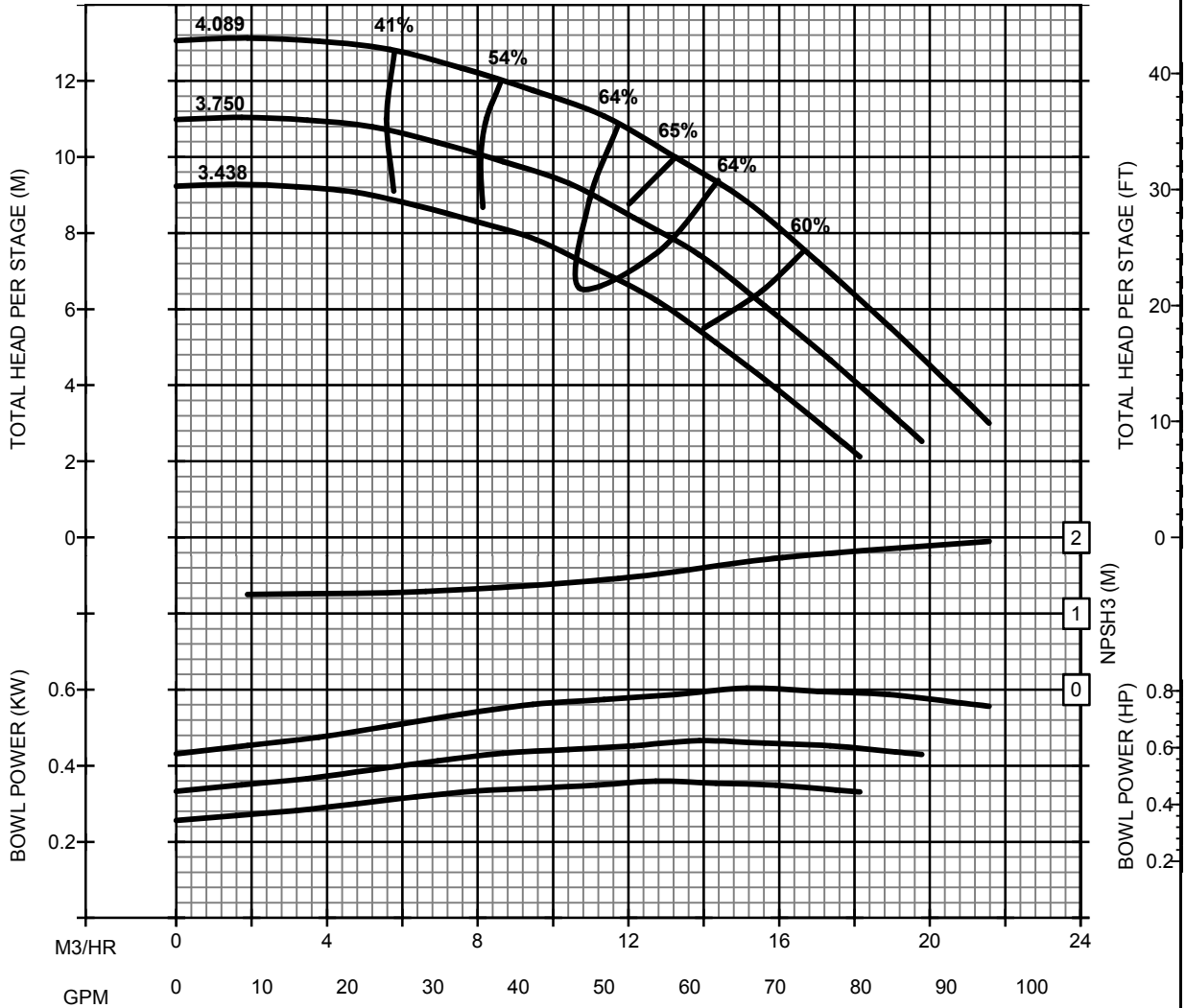
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**L6LC**  
2950 RPM

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

1 STG ( ) STG

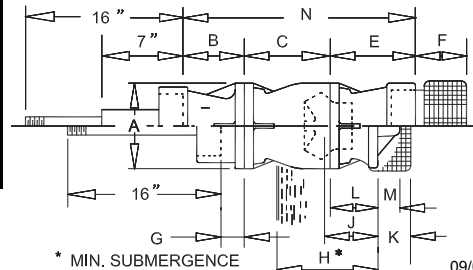


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	N/A	3.75	N/A	N/A	2.69	8.00	3.19	N/A	3.00	3.38	12.81

**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 <sup>2</sup> :	5.38	WR <sup>2</sup> LB-FT <sup>2</sup> :	0.14		
SHAFT DIA:	1.0	1ST STG WT LB:	46	ADD STG WT LB:	16

\*THIS DIMENSION IS 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

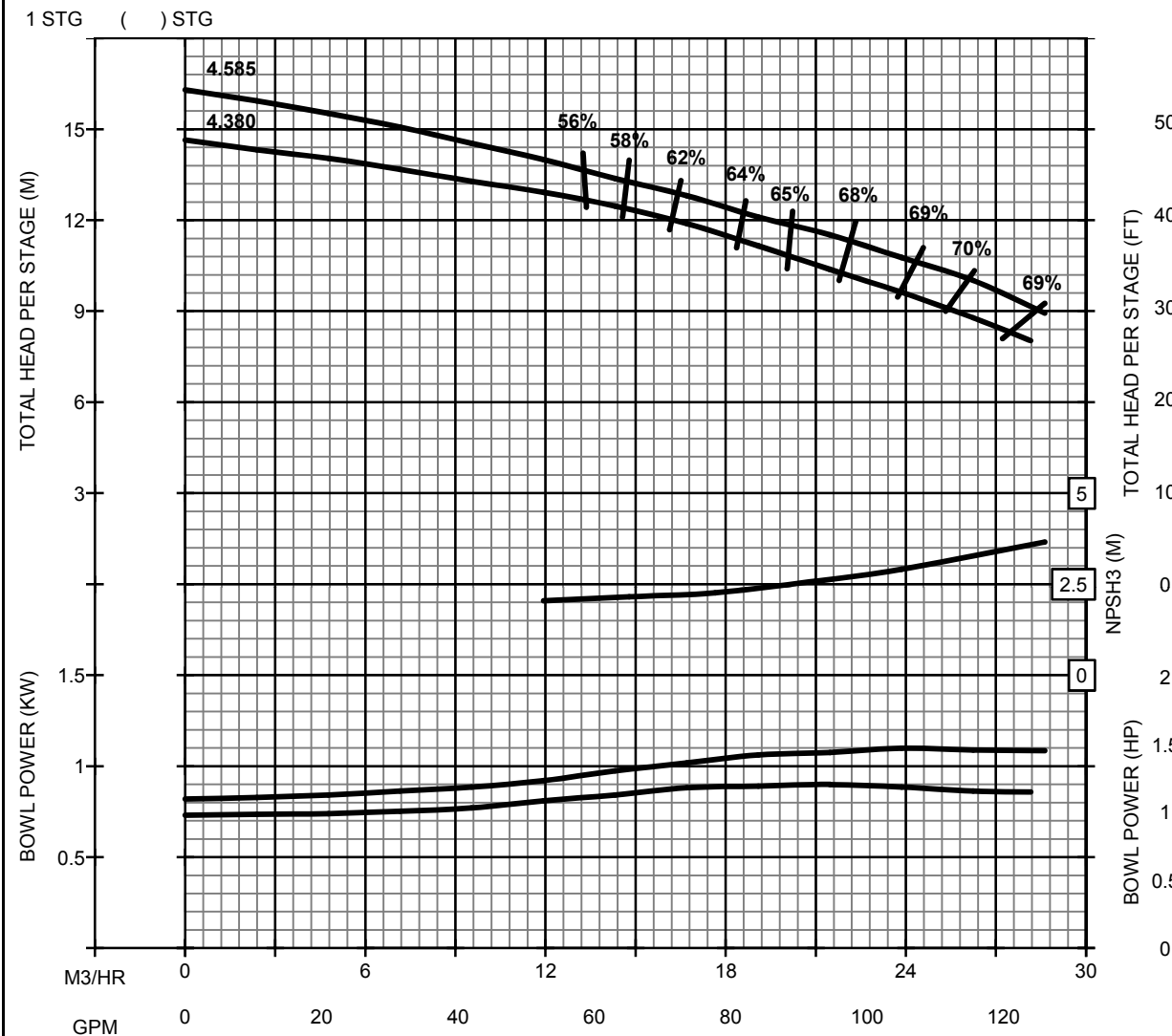
CVL6LC2P5CY

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
	NUMBER OF POINTS	-2	-1	0						

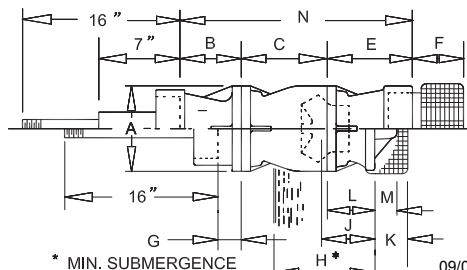


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.19	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

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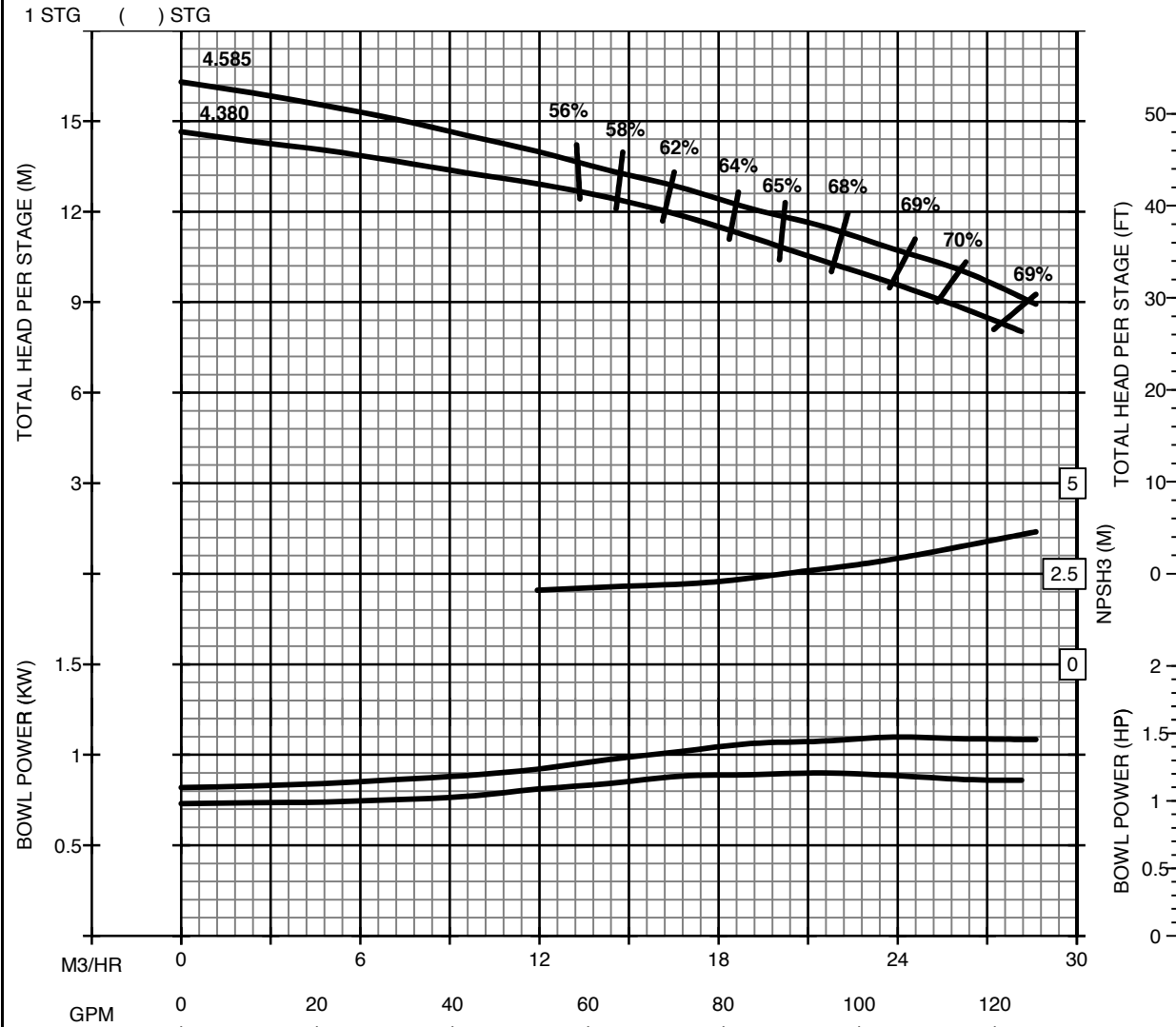


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M6LO**  
2950 RPM

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

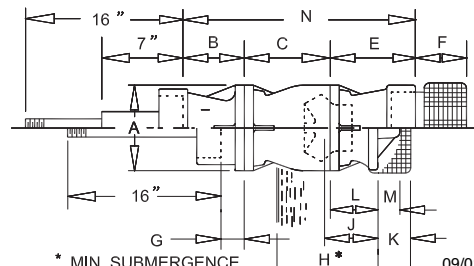


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.19	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

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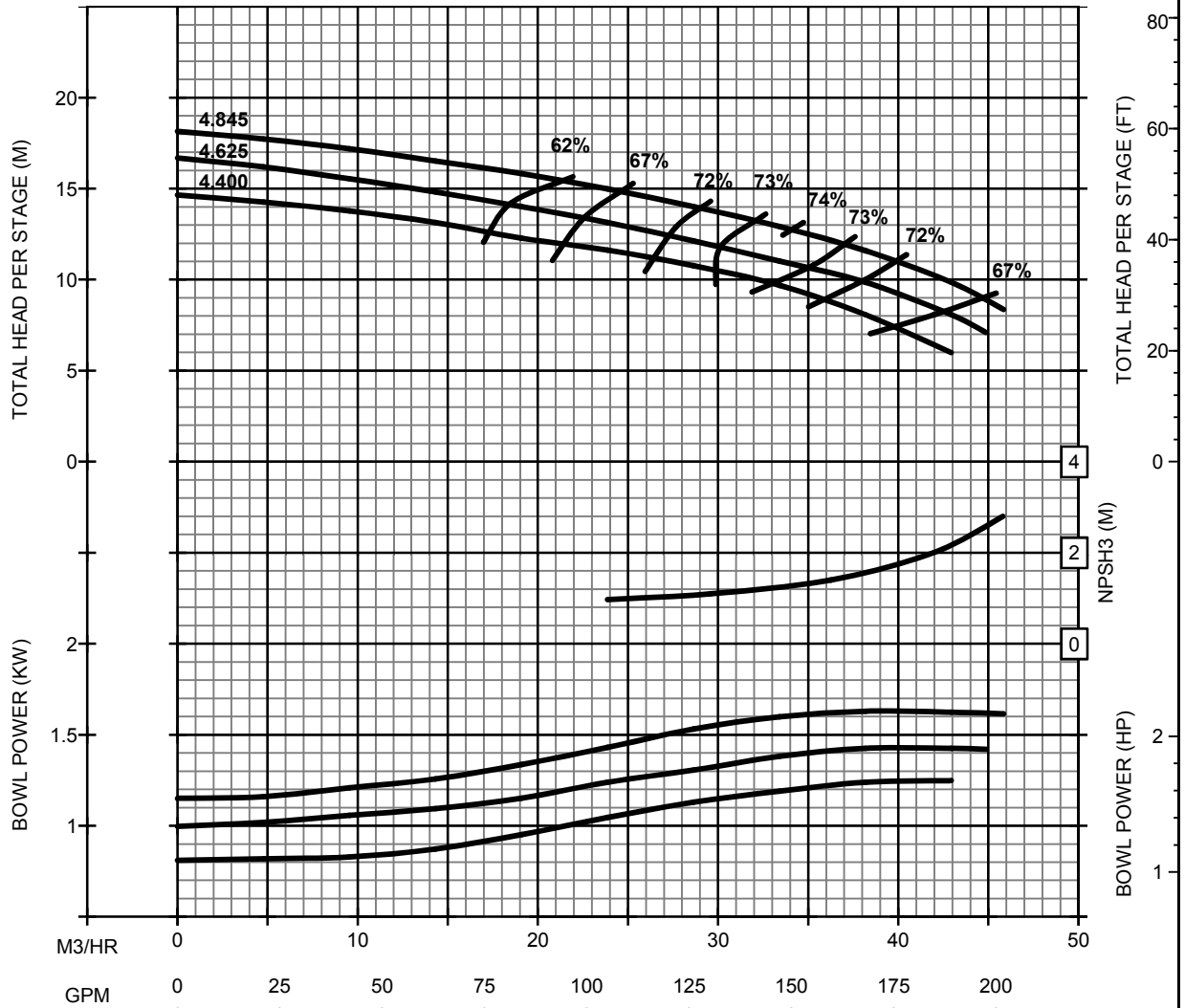
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M6MC**  
2950 RPM

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

1 STG ( ) STG

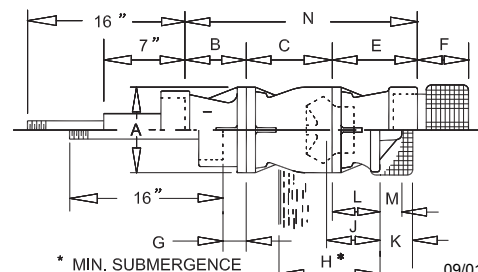


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.  
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CURVE TEMPLATE 08.05.2011



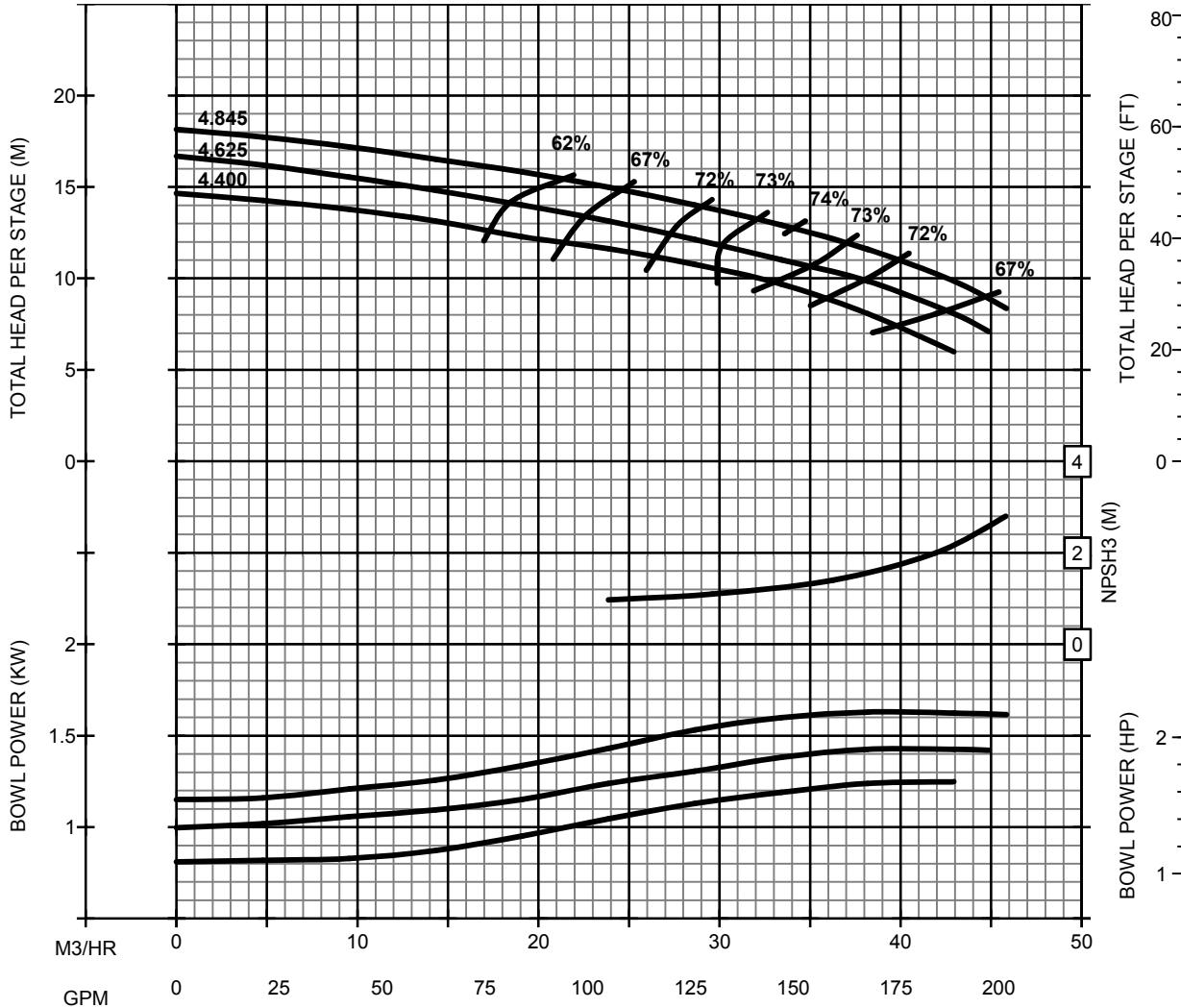
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M6MO**  
2950 RPM

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

1 STG ( ) STG

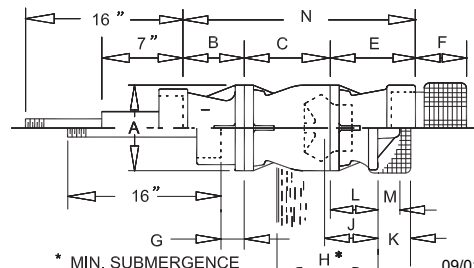


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CURVE TEMPLATE 08.05.2011

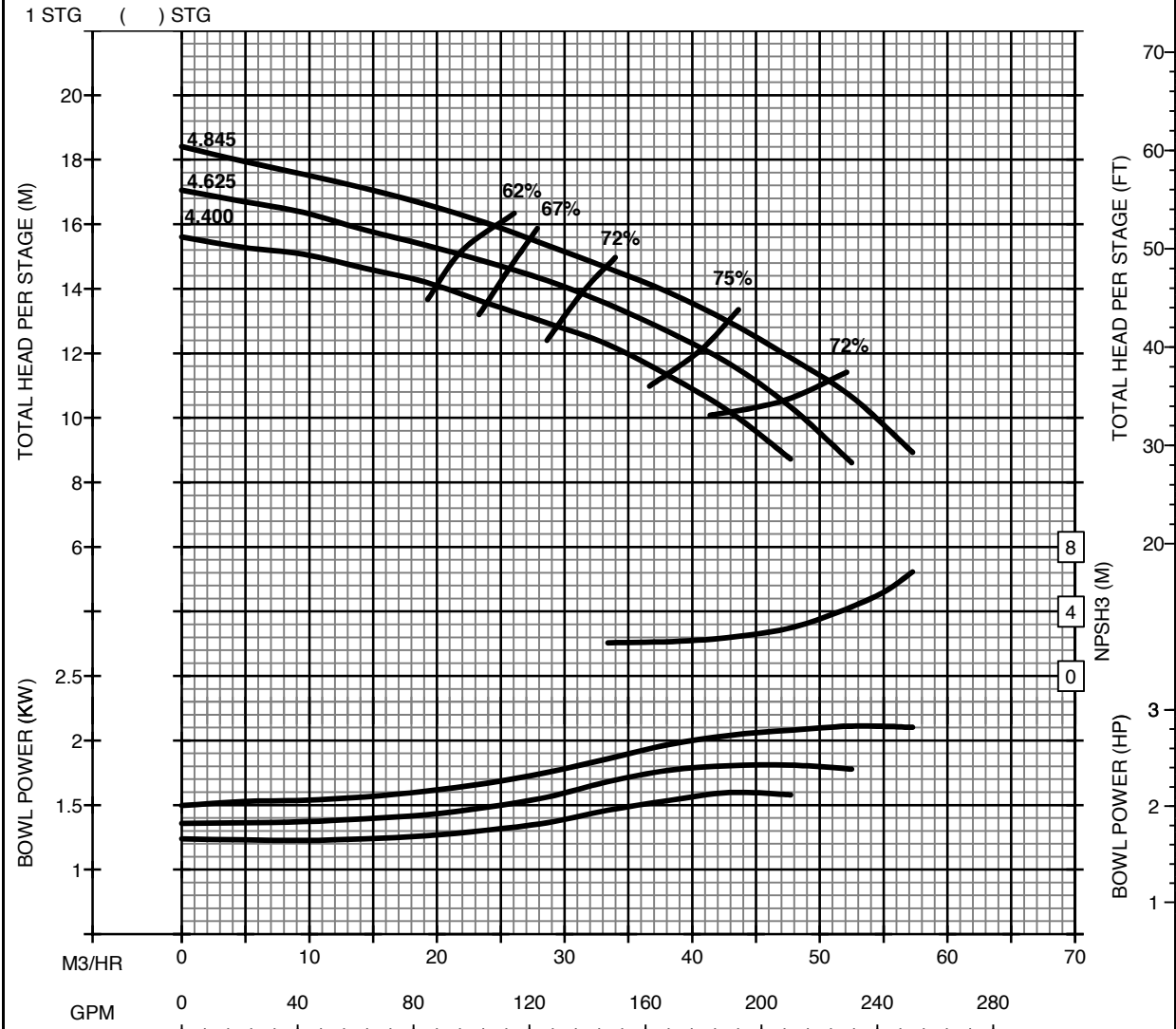


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M6HC**  
2950 RPM

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

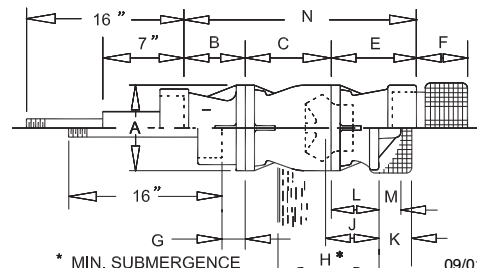


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	7	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN <sup>2</sup> :	4.89	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
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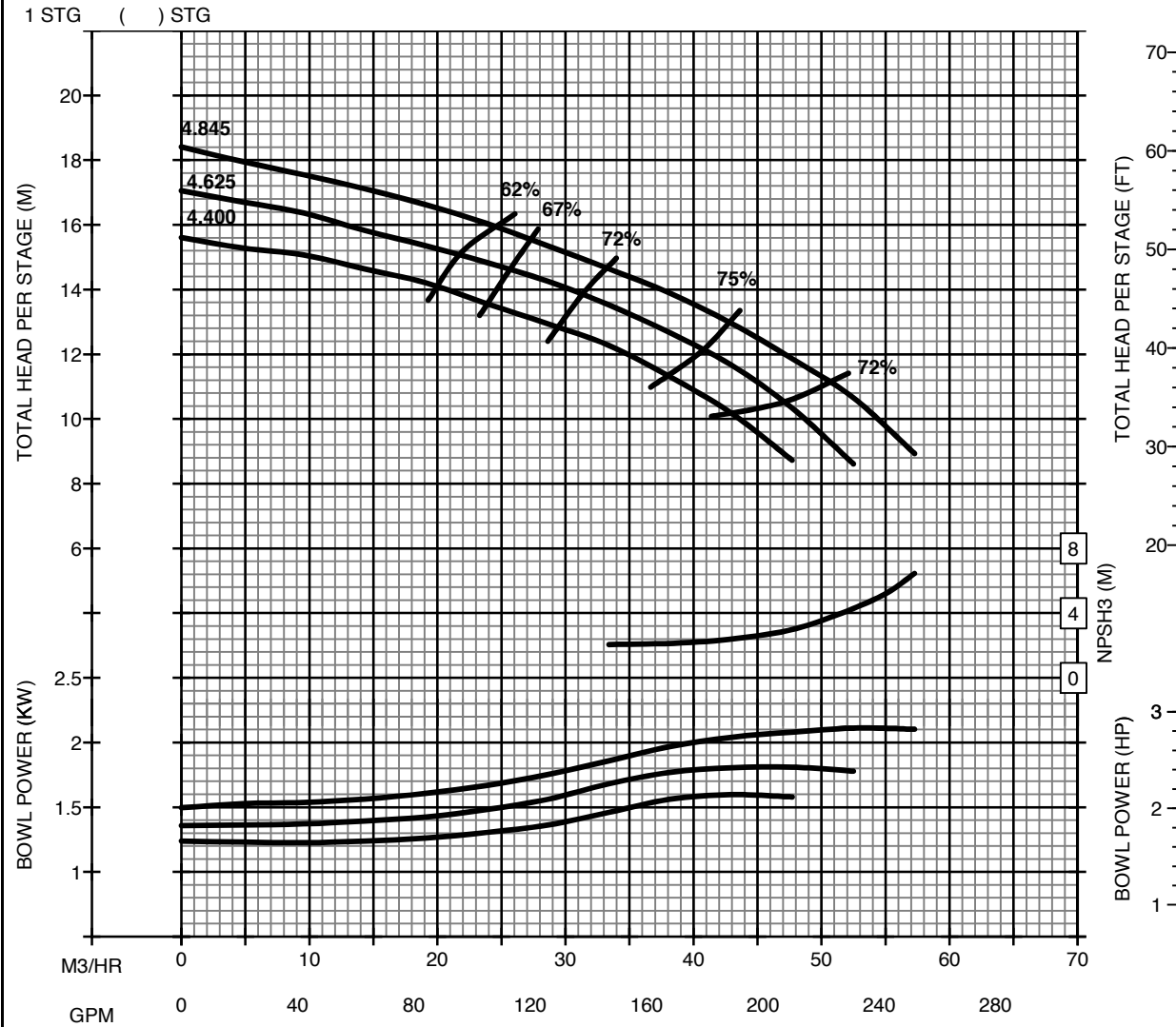
2950  
CURVES

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



**M6HO**  
2950 RPM

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

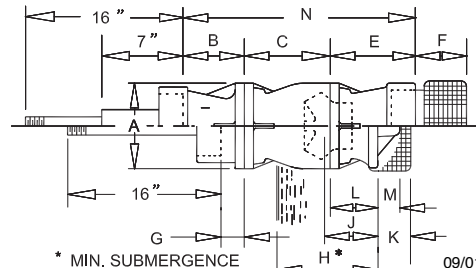


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	4.89	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVM6HO2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES



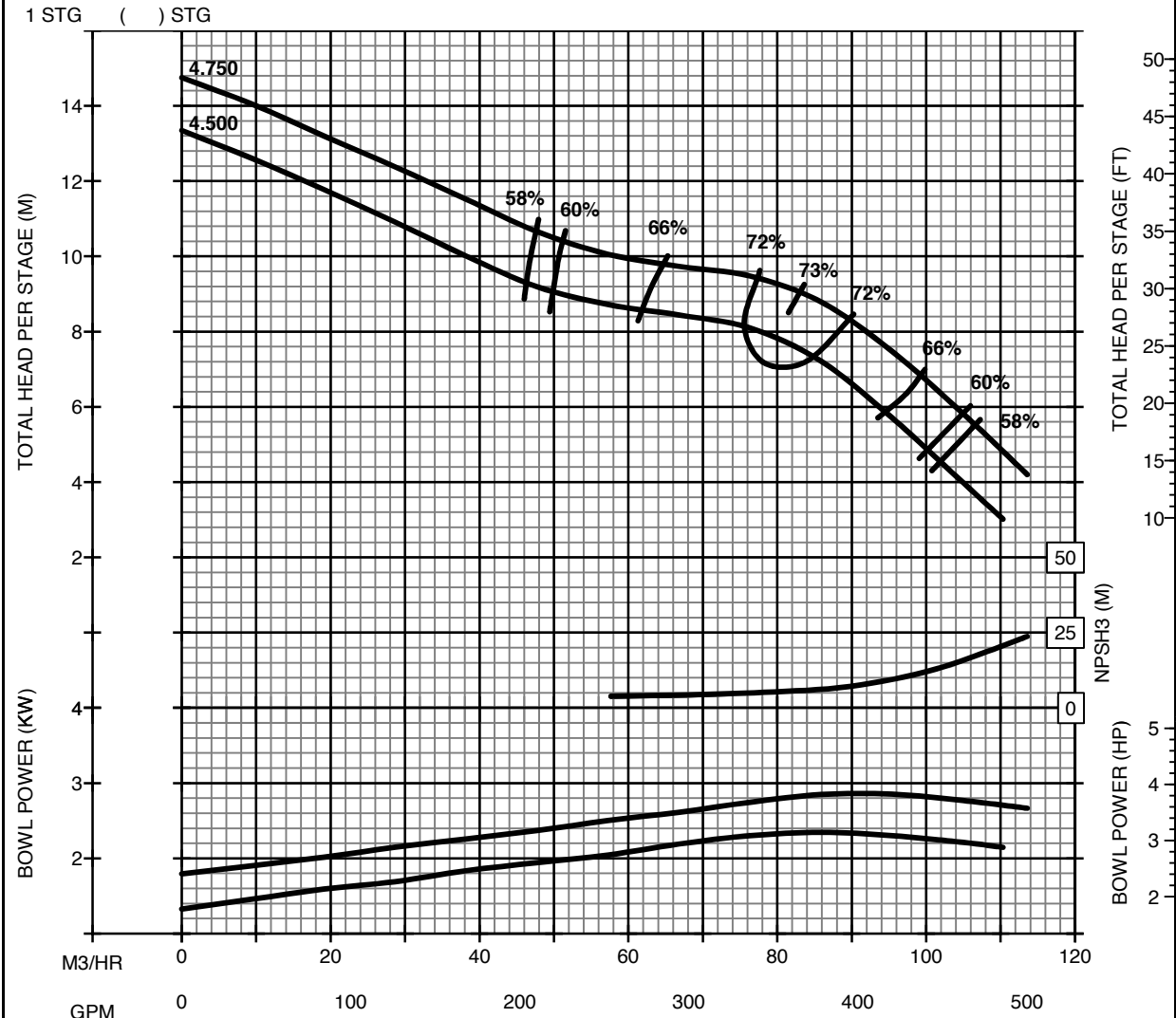


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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						

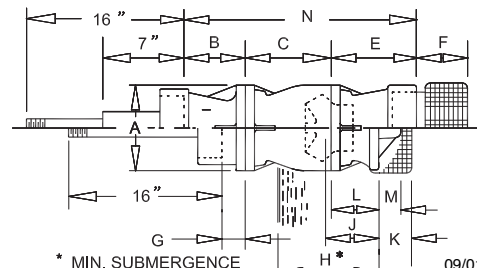


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.62	3.94	6.19	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	18.75

**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 <sup>2</sup> :	7.12	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CURVE TEMPLATE 08.05.2011

2950  
CURVES

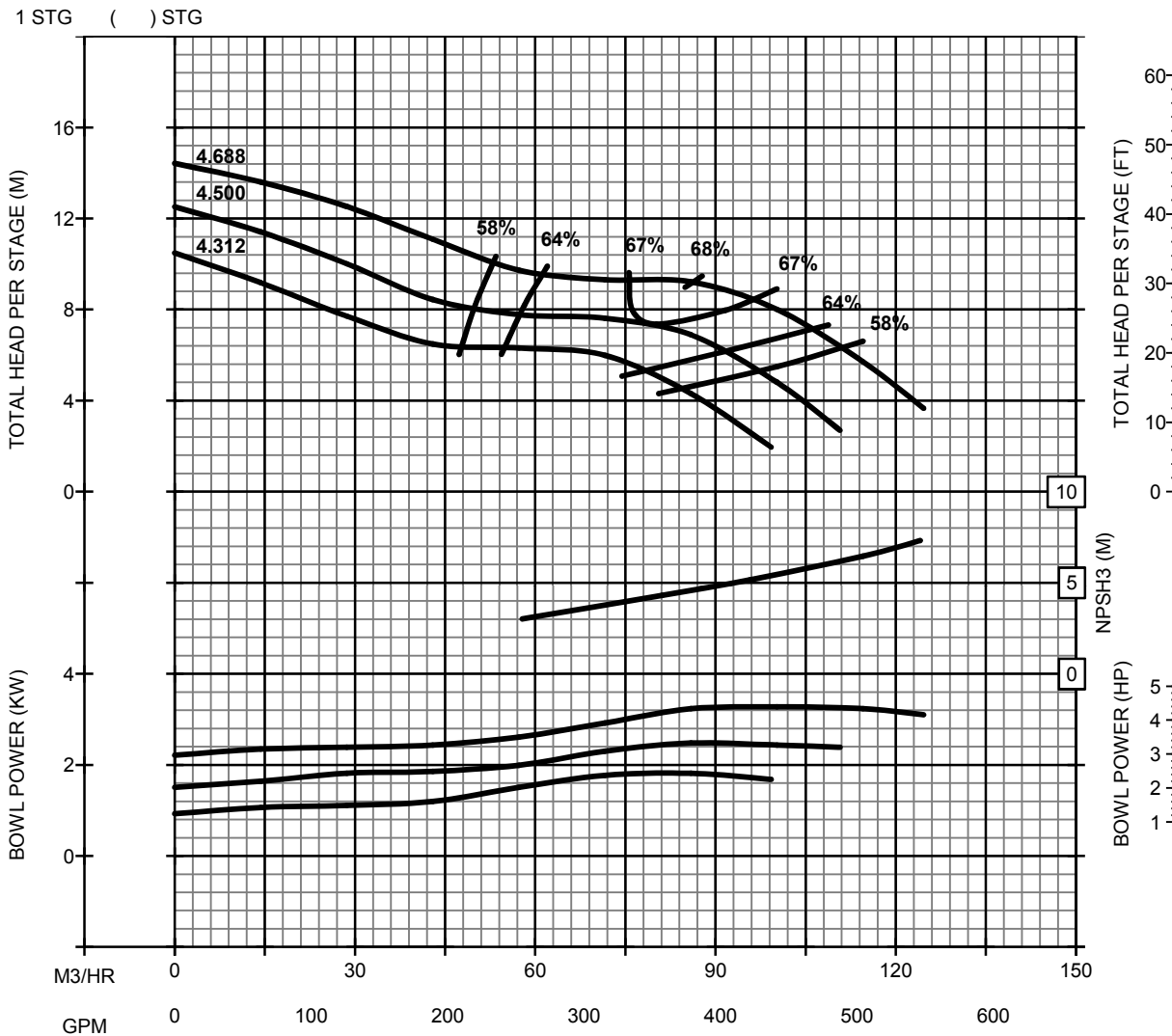


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**J6HC**  
2950 RPM

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

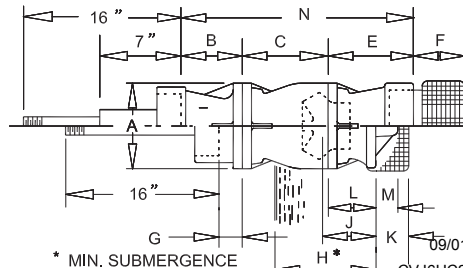


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.62	3.00	4.75	6.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	4"
THRUST CONSTANT:	4.1	SUCTION SIZE:	4"
LATERAL (STD):	0.25	STD. TUBE:	1.5"
EYE AREA IN <sup>2</sup> :	7.50	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.  
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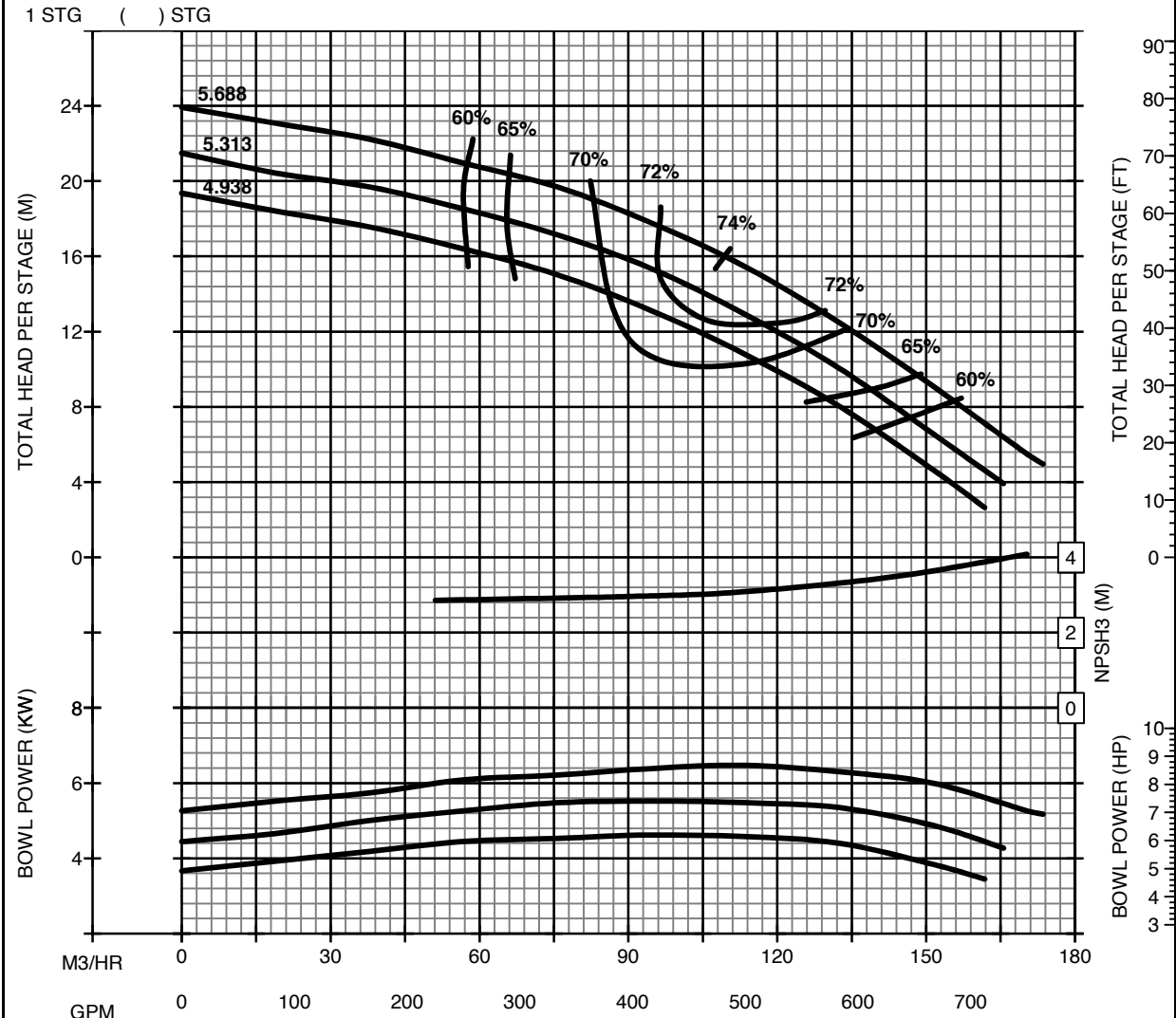
09/01/2011  
CVJ6HC2P5CY

PERFORMANCE BASED ON  
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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						



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

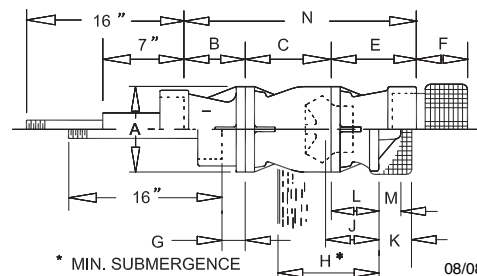
**PUMP DATA**

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 <sup>2</sup> :	9.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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"



08/08/2011

CVH7LC2P5CY

2950  
CURVES

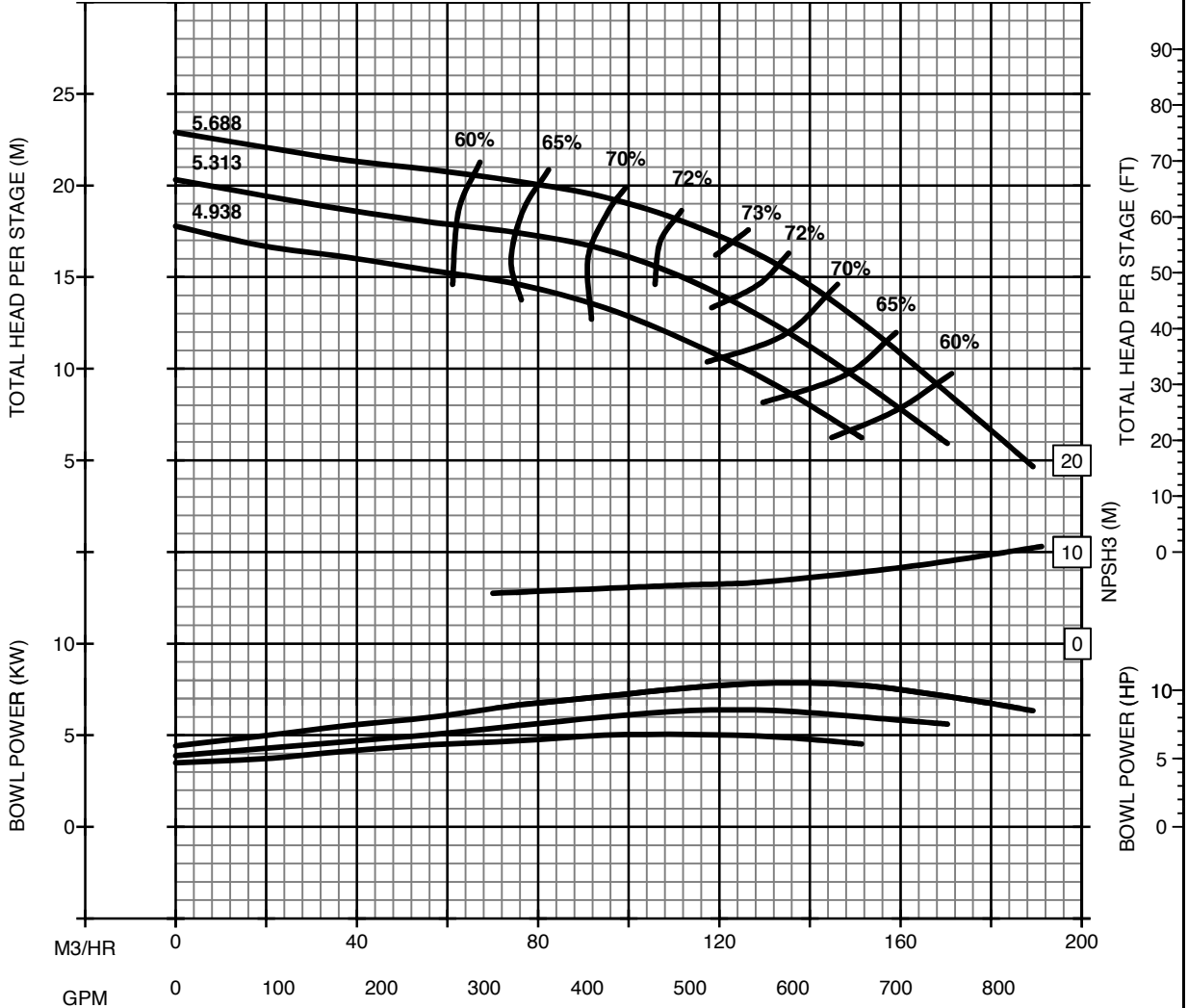
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H7HC**  
2950 RPM

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

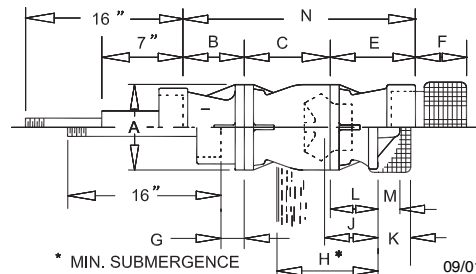
**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.2	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN <sup>2</sup> :	9.09	WR <sup>2</sup> LB-FT <sup>2</sup> :	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"



09/01/2011

CVH7HC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES



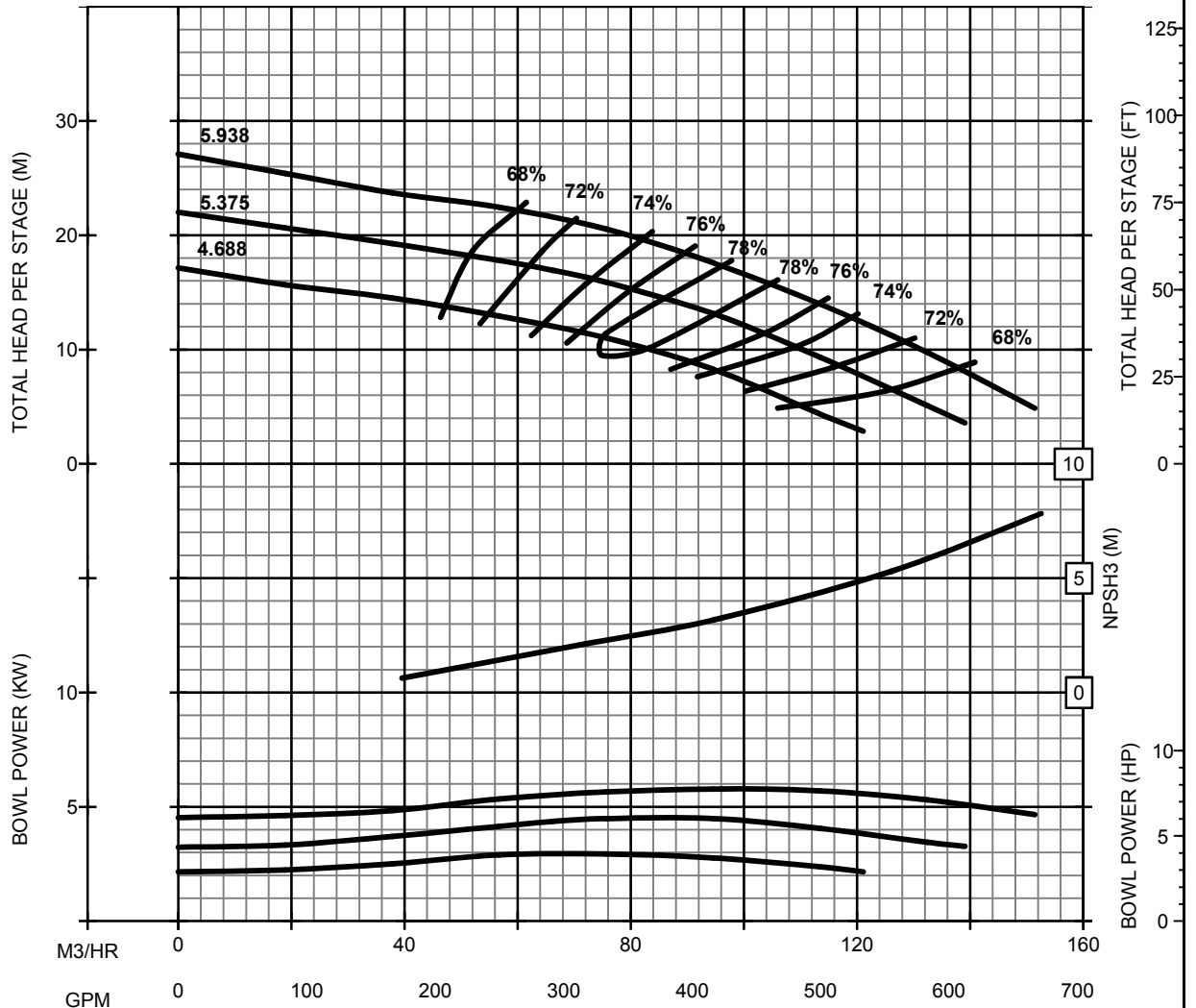
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K8LC**  
2950 RPM

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

1 STG ( ) STG

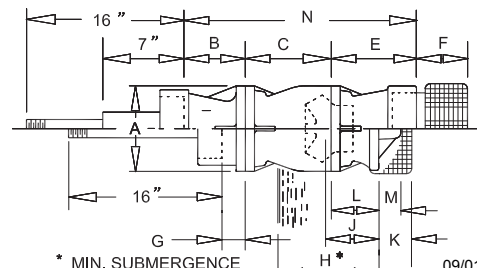


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.63	5.53	6.50	8.38	6.56	1.12	14.50	6.00	6.12	5.52	2.50	20.13

**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 <sup>2</sup> :	7.742	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVK8LC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES





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



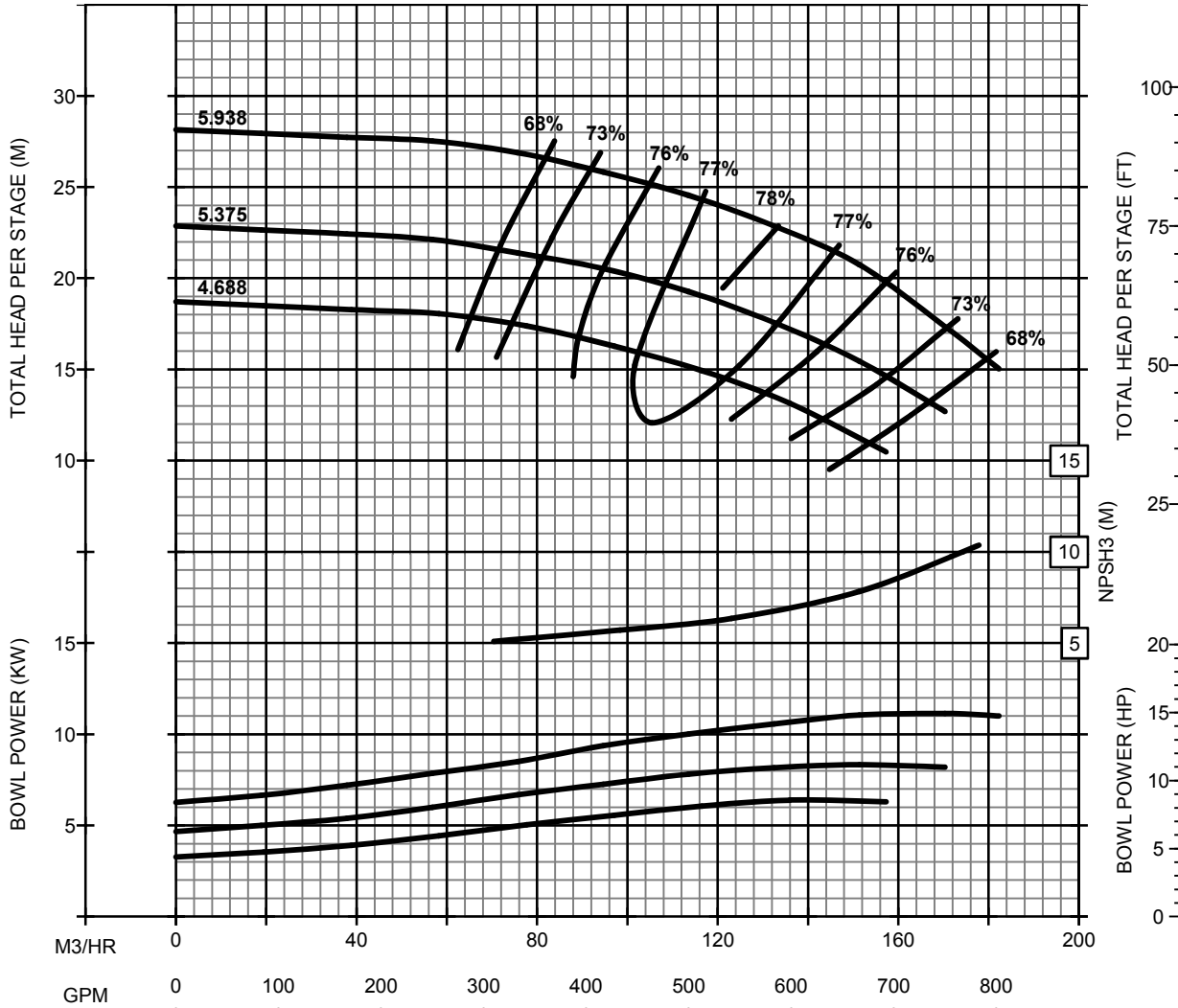
**K8HC**  
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	1	3	4	
NUMBER OF POINTS	-2	-1	0	

DESIGN	M3/HR	TDH	KW	EFF
--------	-------	-----	----	-----

1 STG ( ) STG

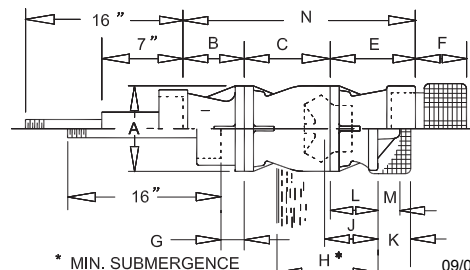


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.63	5.53	6.50	8.38	6.56	1.12	14.50	6.00	6.12	5.52	2.50	20.13

**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 <sup>2</sup> :	7.742	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011  
CVK8HC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES



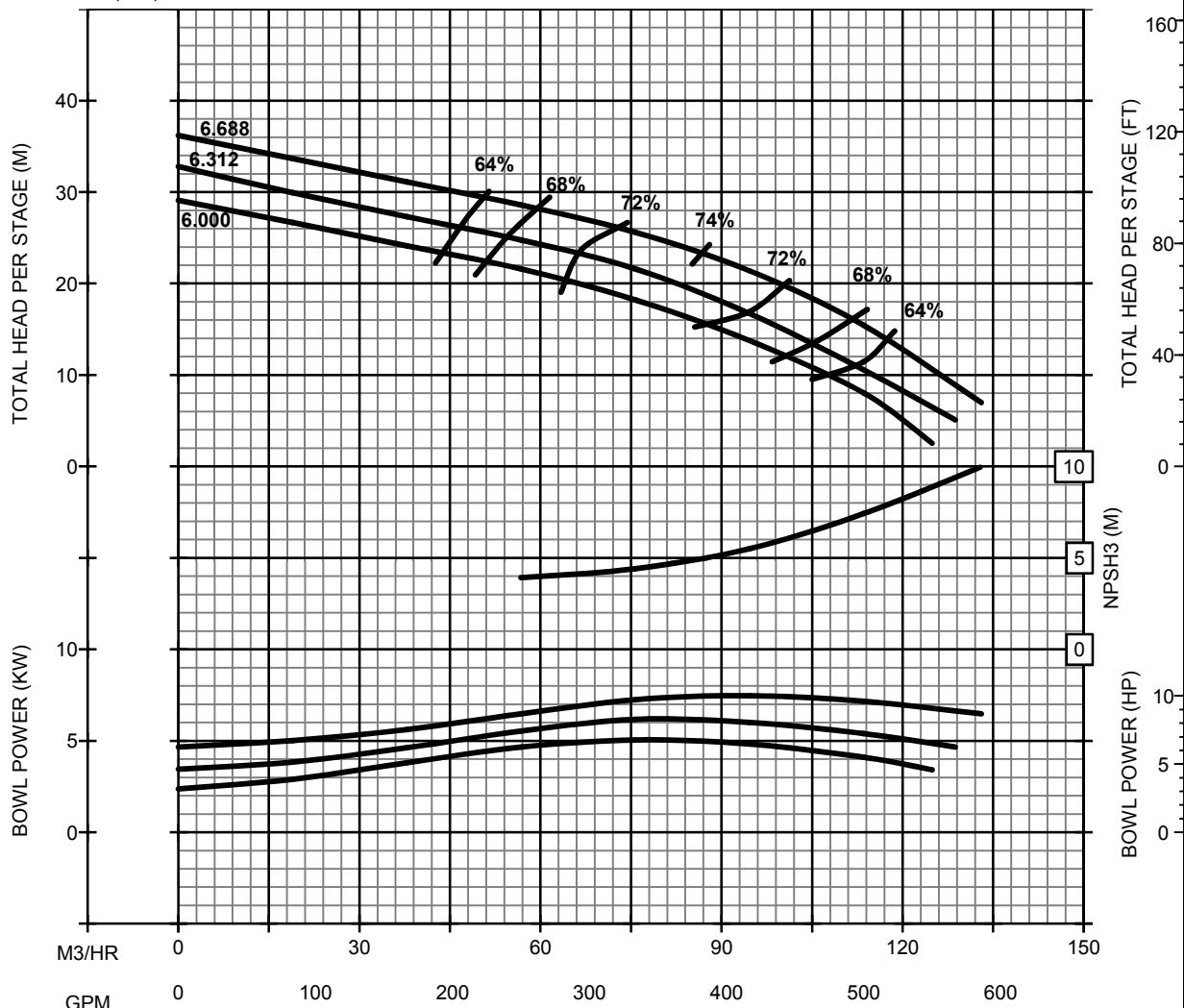
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M8XLC**  
2950 RPM

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

1 STG ( ) STG

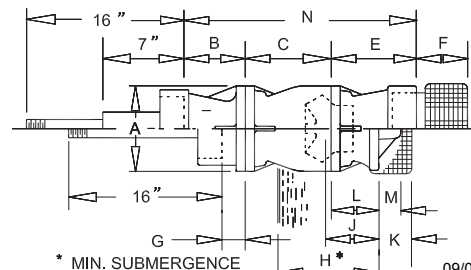


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**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 <sup>2</sup> :	7.72	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVM8XLC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES



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



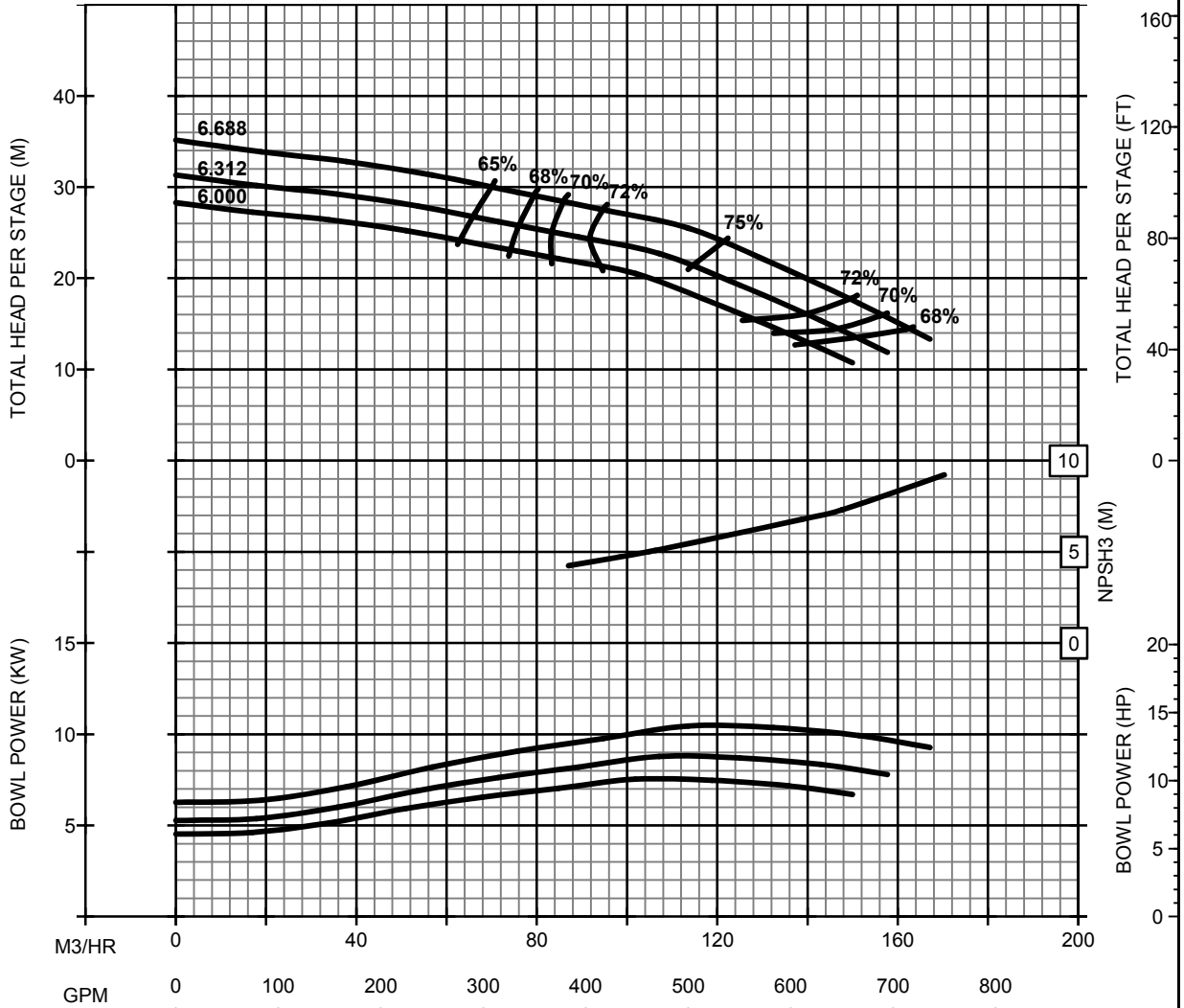
**M8MC**  
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	1	3	5	
NUMBER OF POINTS	-2	-1	0	

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

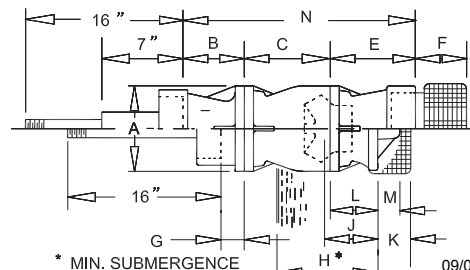


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**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 <sup>2</sup> :	8.74	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVM8MC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES



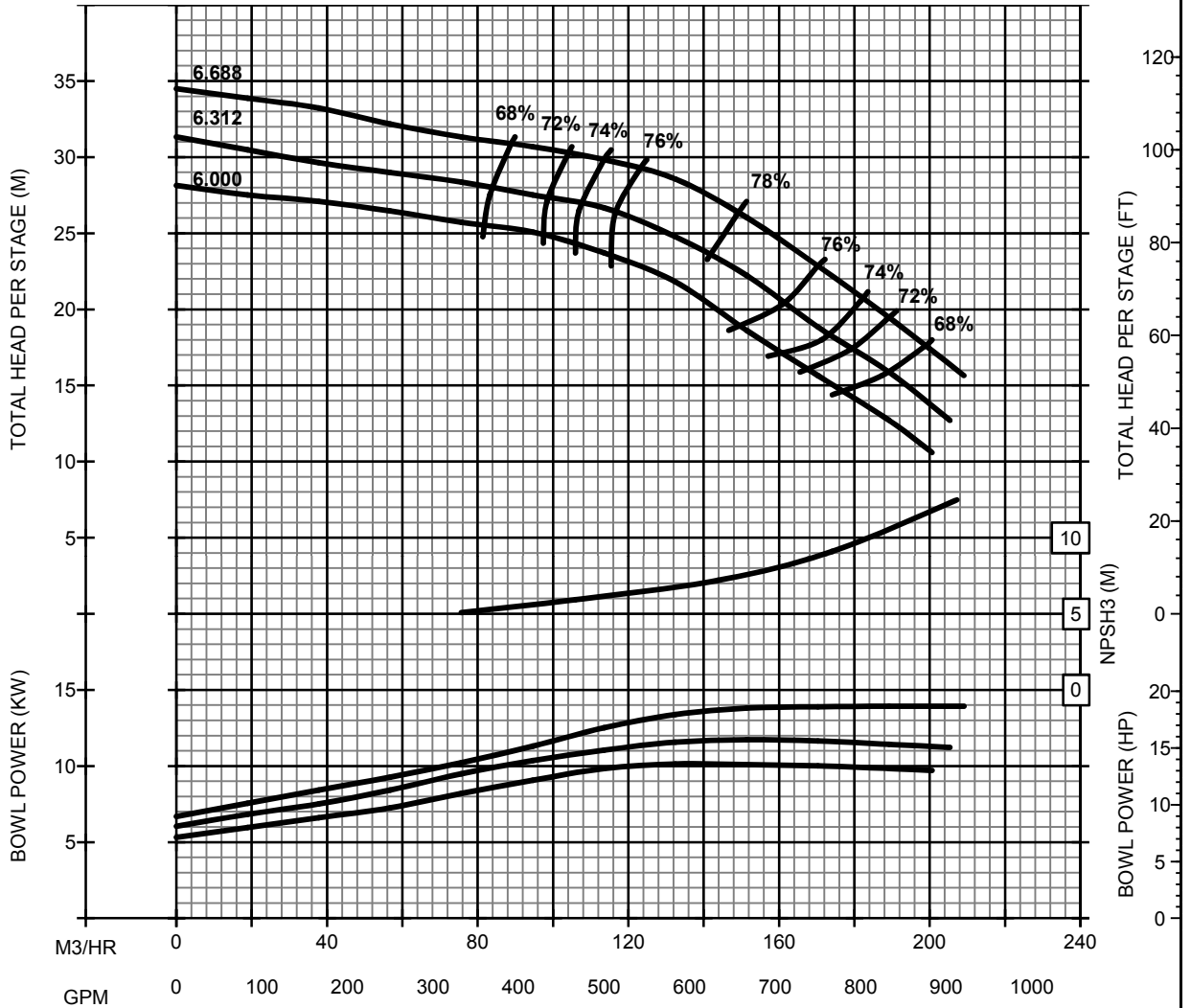
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M8HC**  
2950 RPM

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

1 STG ( ) STG

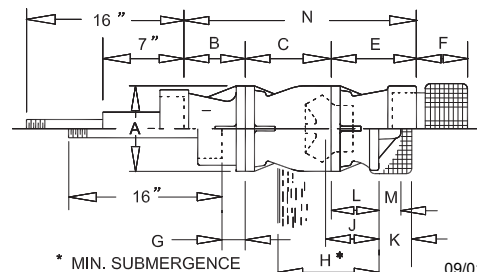


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**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 <sup>2</sup> :	8.74	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

2950  
CURVES



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



**M8XHC**  
2950 RPM

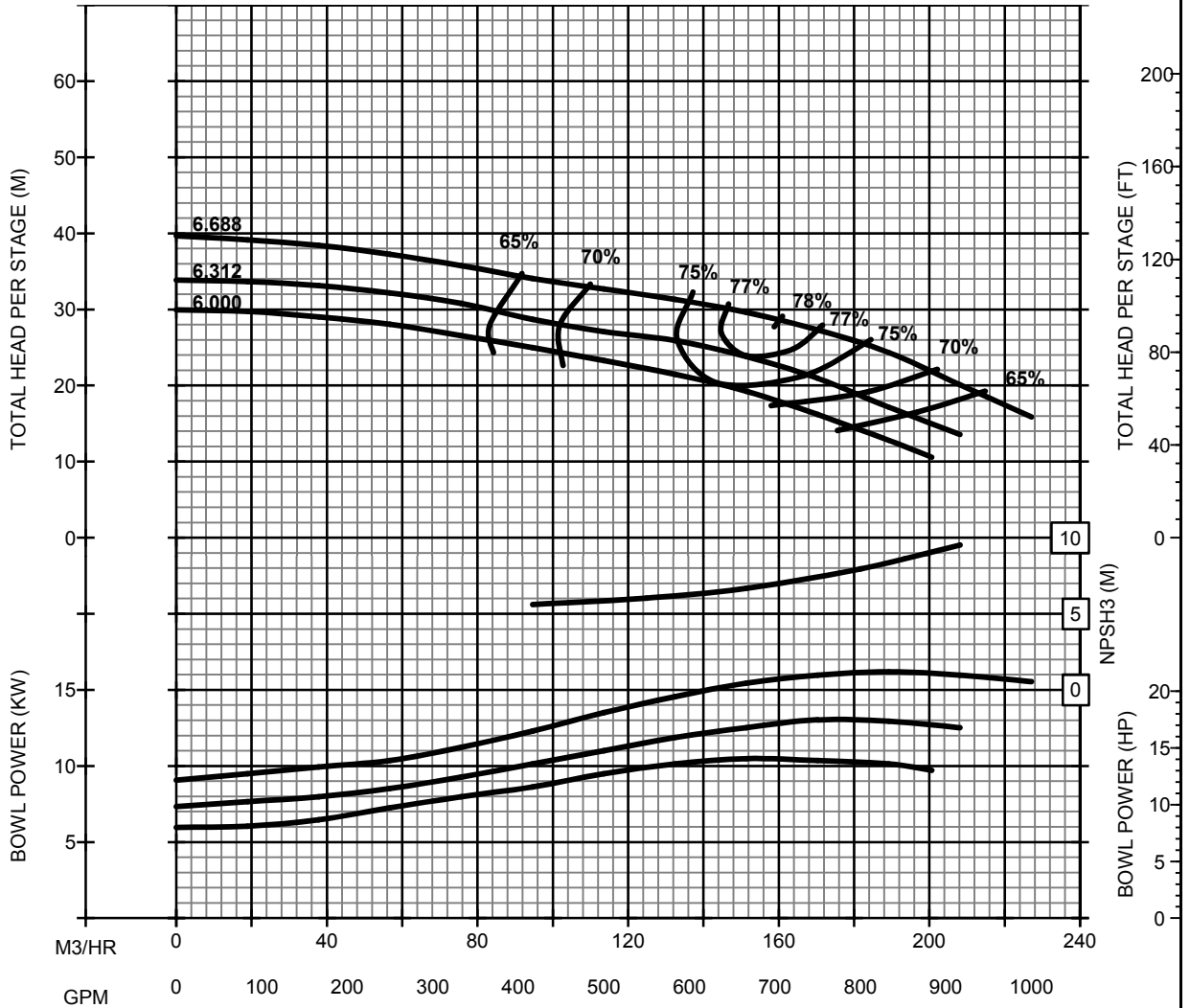
CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES  
NUMBER OF POINTS

1	3	5
-2	-1	0

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

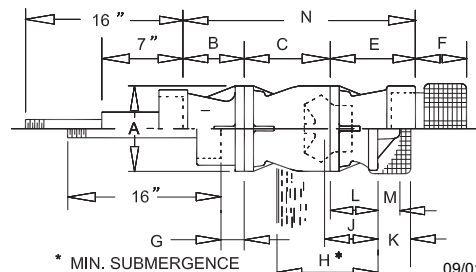


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**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 <sup>2</sup> :	10.7	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

2950  
CURVES



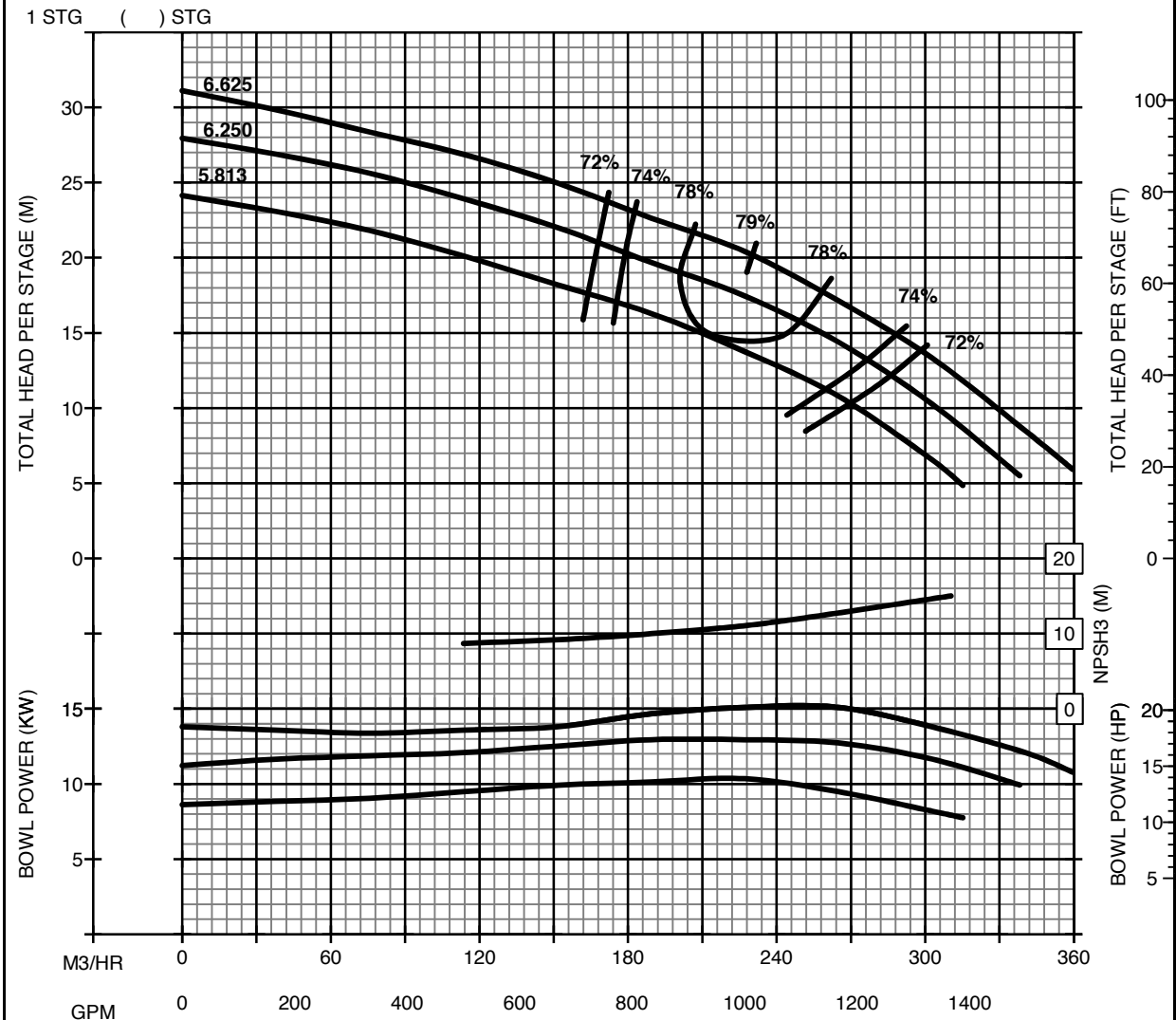


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**J8XHC**  
2950 RPM

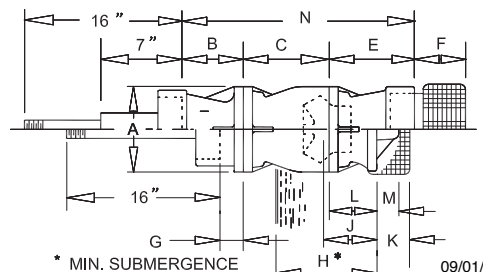
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	5	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-3	-2	-1	0					



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 <sup>2</sup> :	12.81	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVJ8XHC2P5CY

2950  
CURVES

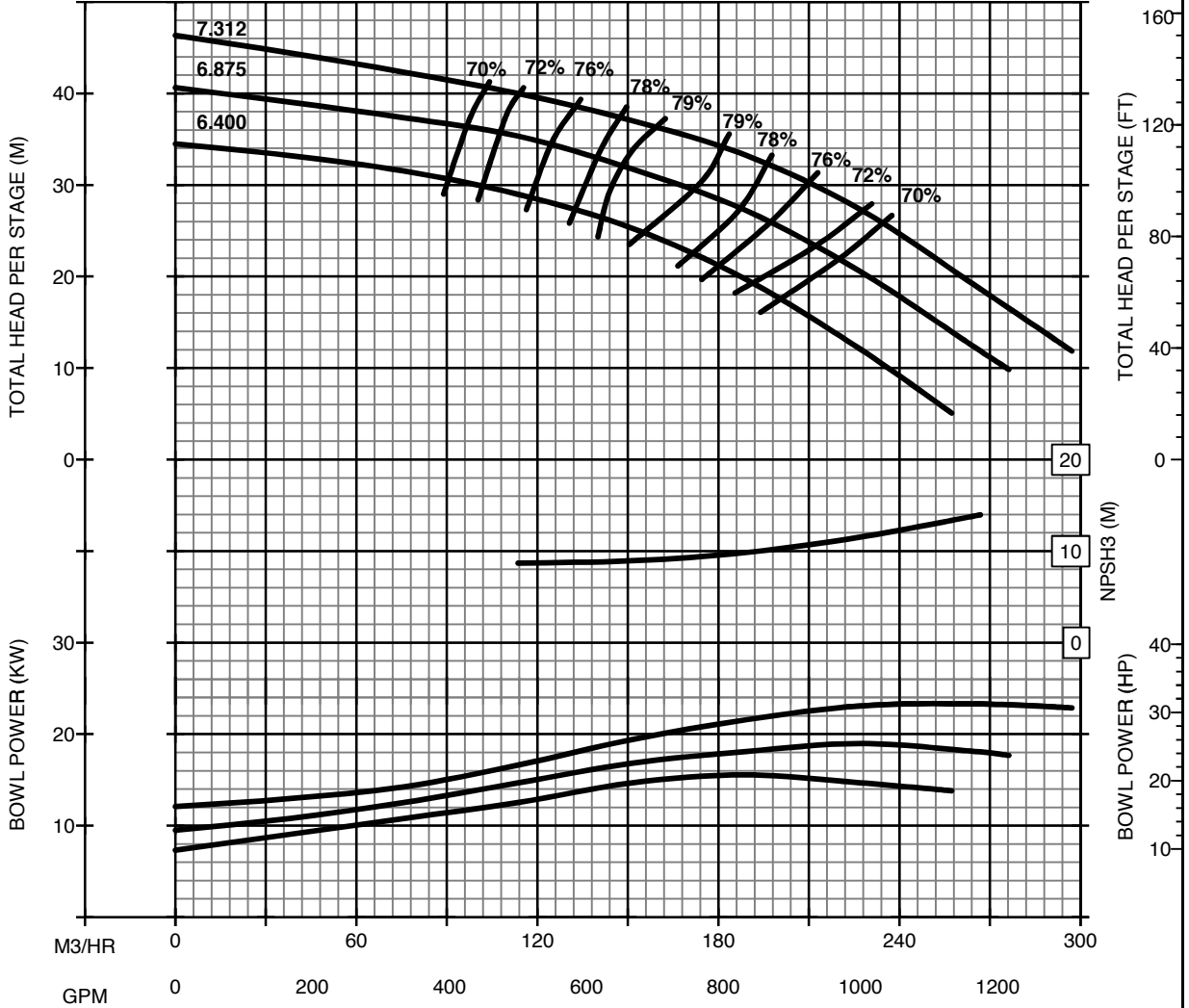
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M9MC**  
2950 RPM

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

1 STG ( ) STG

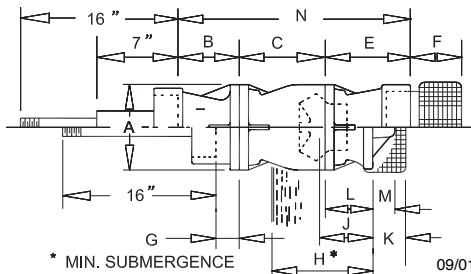


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.00	5.53	8.00	8.38	2.94	7.47	14.50	6.50	6.13	5.62	2.50	21.91

**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 <sup>2</sup> :	9.69	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVM9MC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES



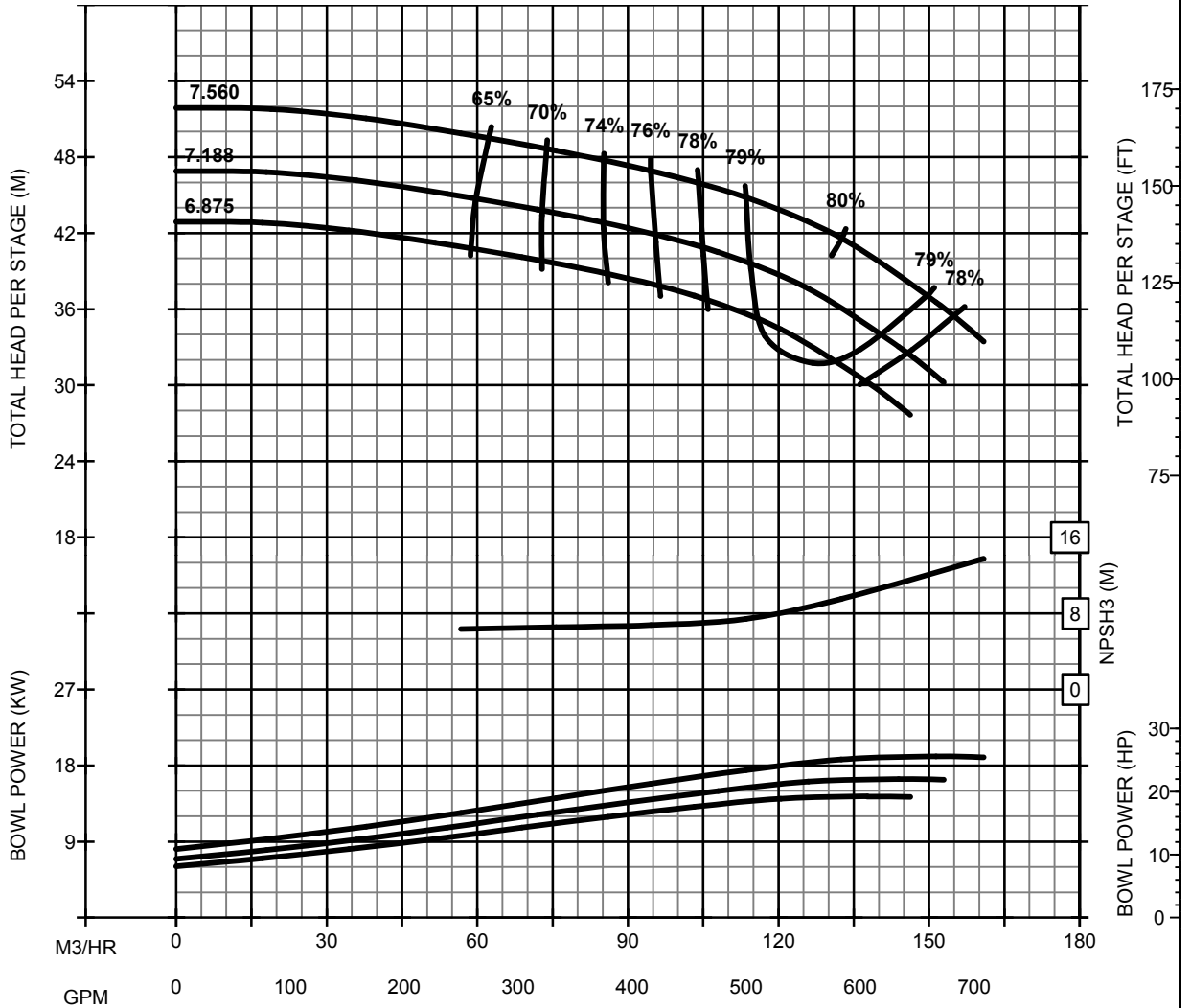
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**L10HC**  
2950 RPM

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

1 STG ( ) STG **TEMPORARY CURVE, CONTACT FACTORY**

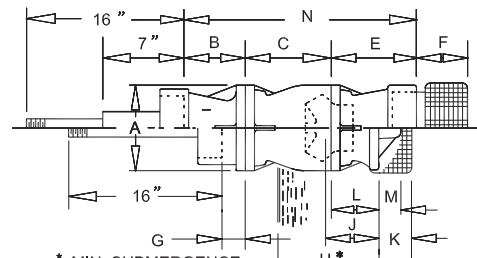


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.83	5.18	6.50	N/A	N/A	1.43	16.00	4.00		4.13	3.75	N/A

**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 <sup>2</sup> :	8.53	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVL10HC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES

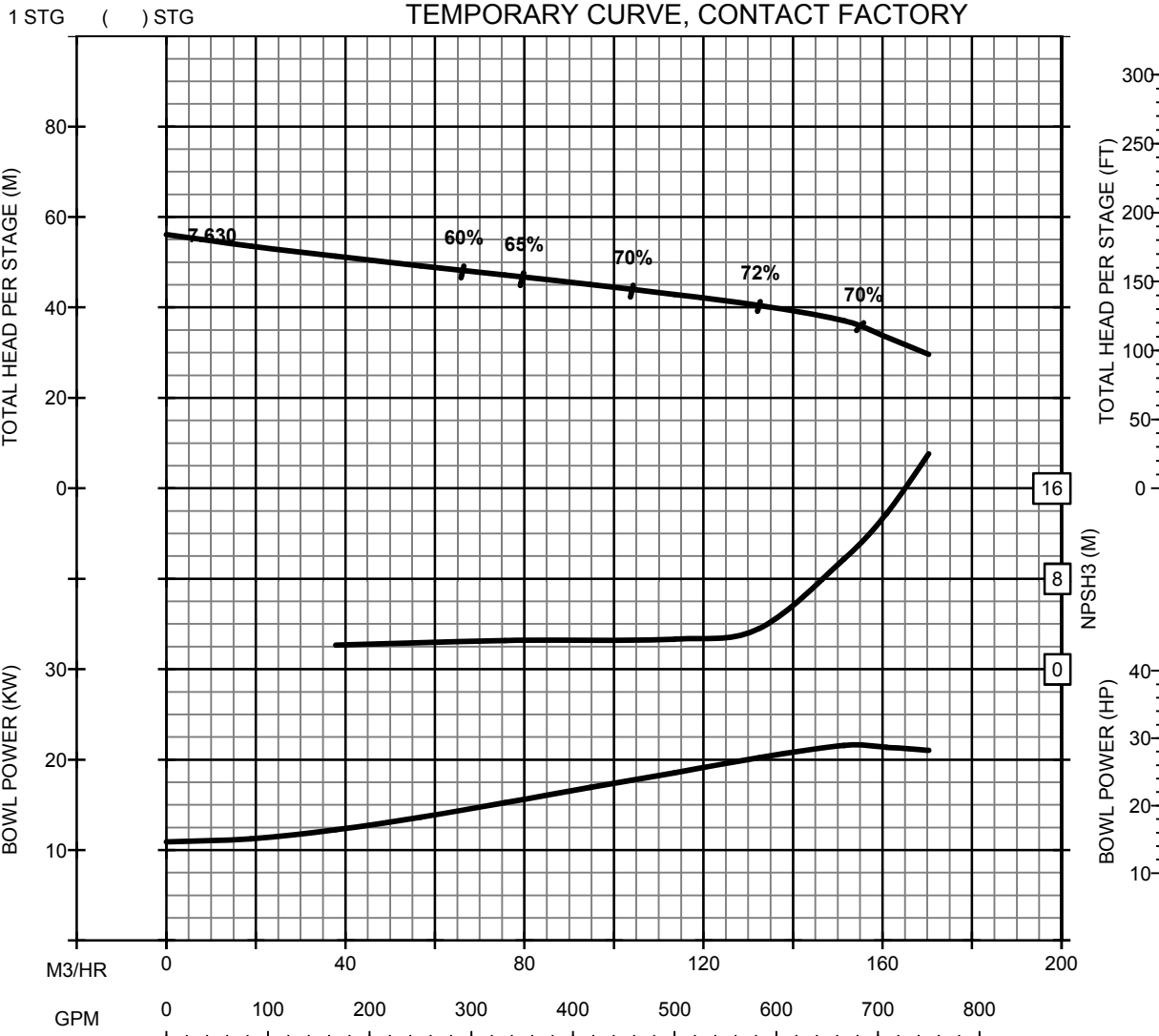


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**L10HC-S**  
2950 RPM

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

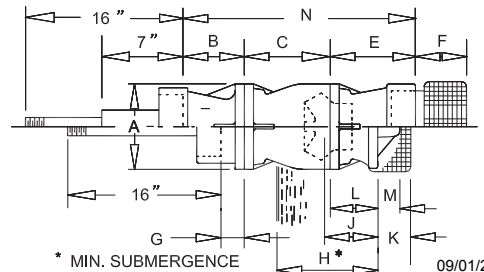


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.83	5.18	6.50	N/A	N/A	1.43	16.00	4.00		4.13	3.75	N/A

**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 <sup>2</sup> :	18.66	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

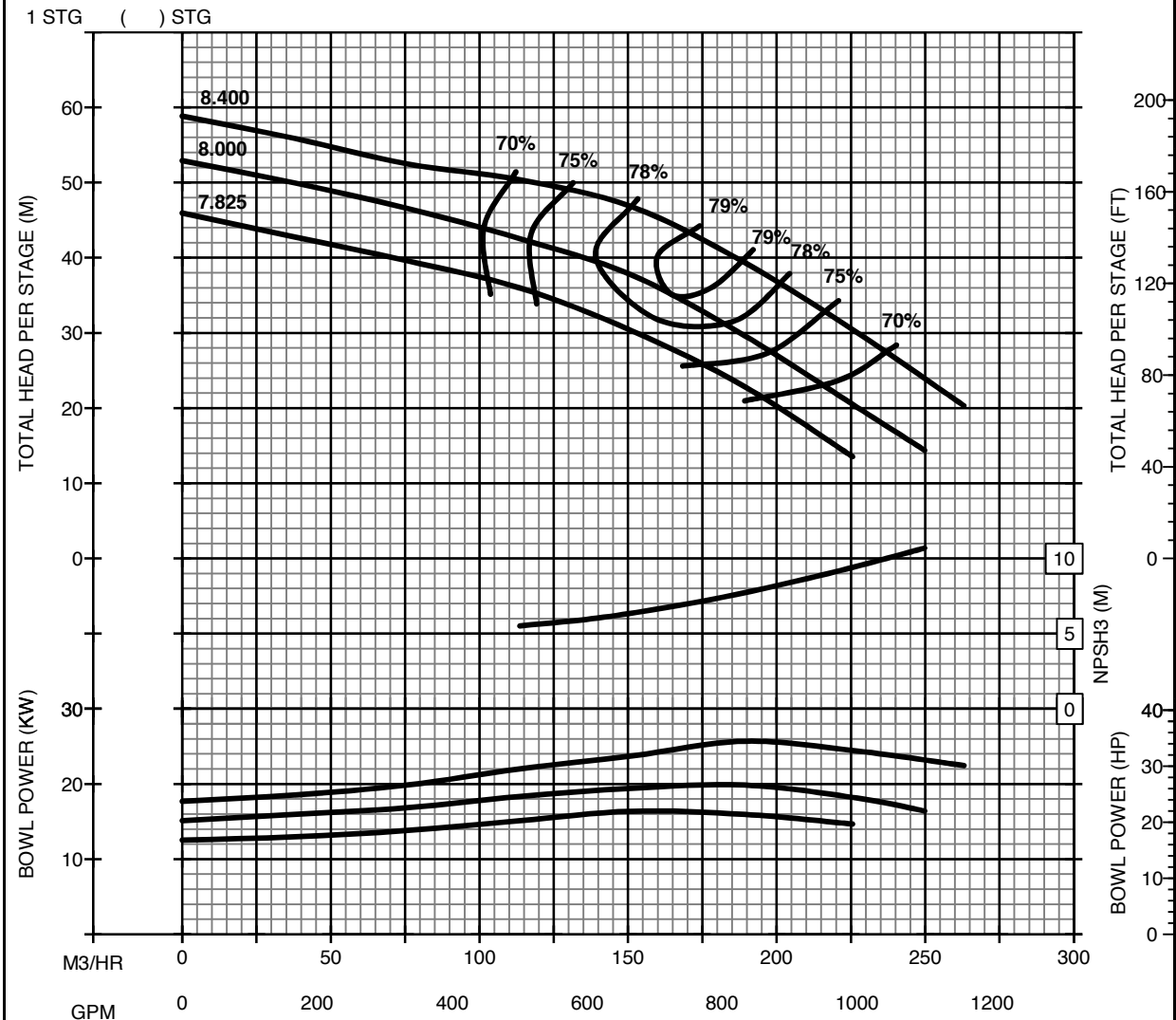


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M10LC**  
2950 RPM

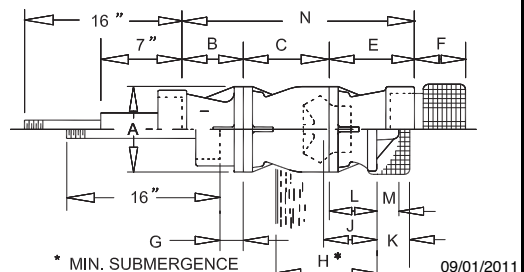
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0					



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 <sup>2</sup> :	13.25	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

2950  
CURVES

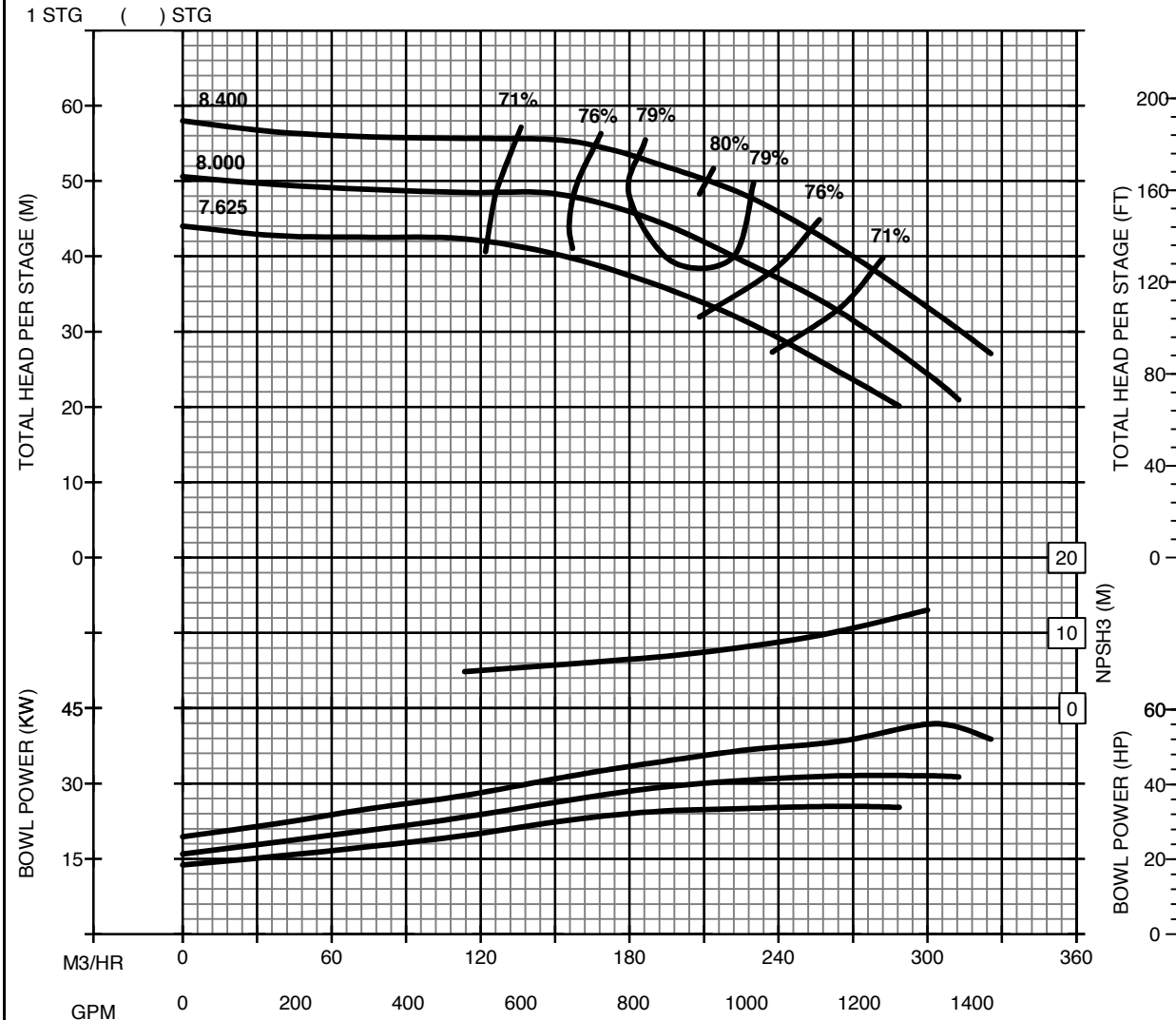


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M10HC**  
2950 RPM

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

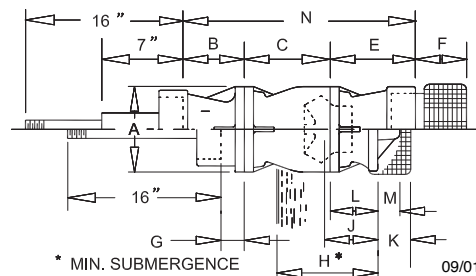


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	10.12	5.31	9.62	10.69	7.58	1.43	10.50	7.50	8.12	7.00	3.12	25.62

**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 <sup>2</sup> :	13.25	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVM10HC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES

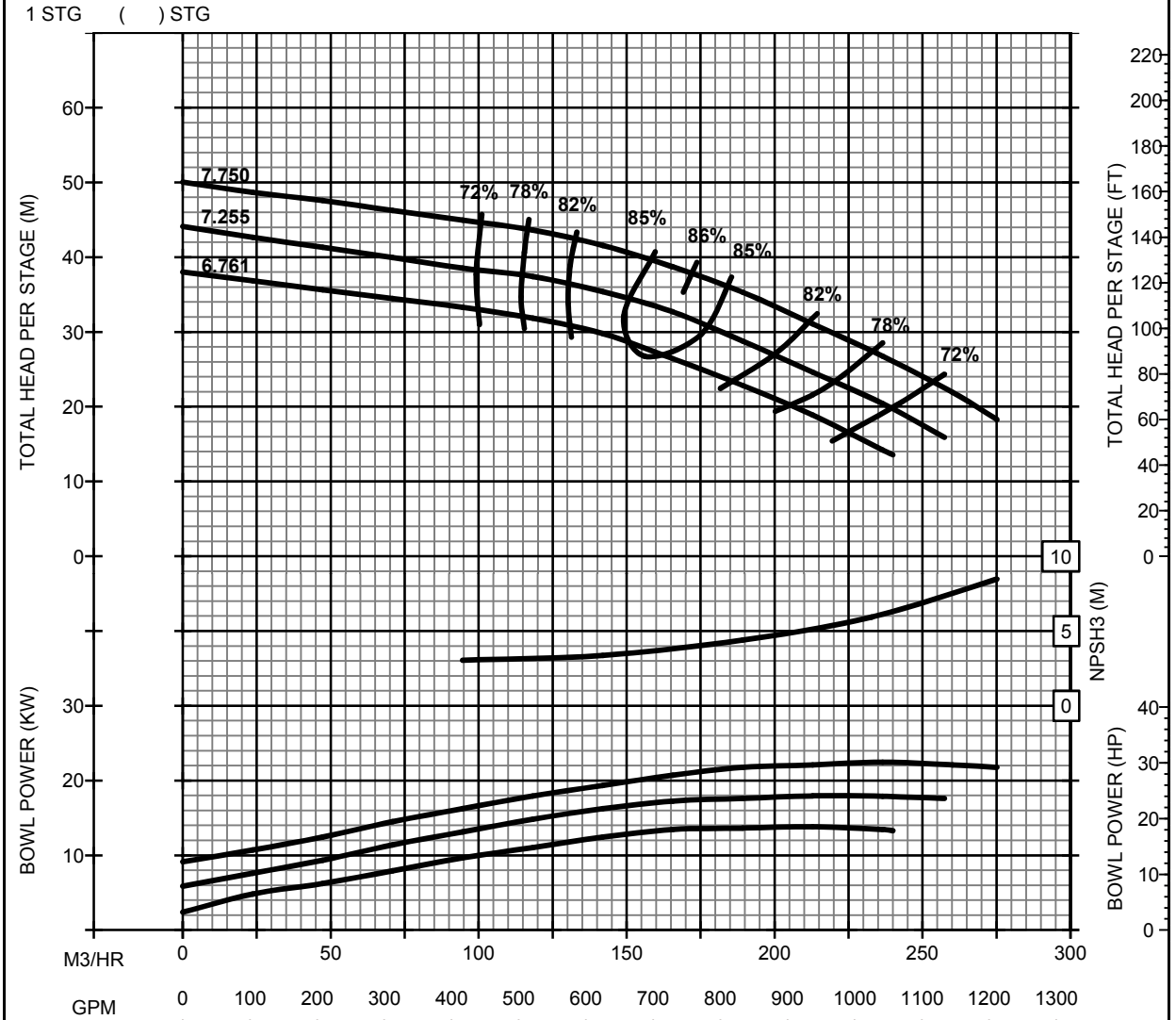


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K10LC**  
2950 RPM

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

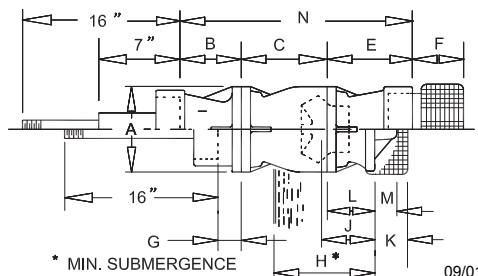


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

**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 <sup>2</sup> :	13.8	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK10LC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES



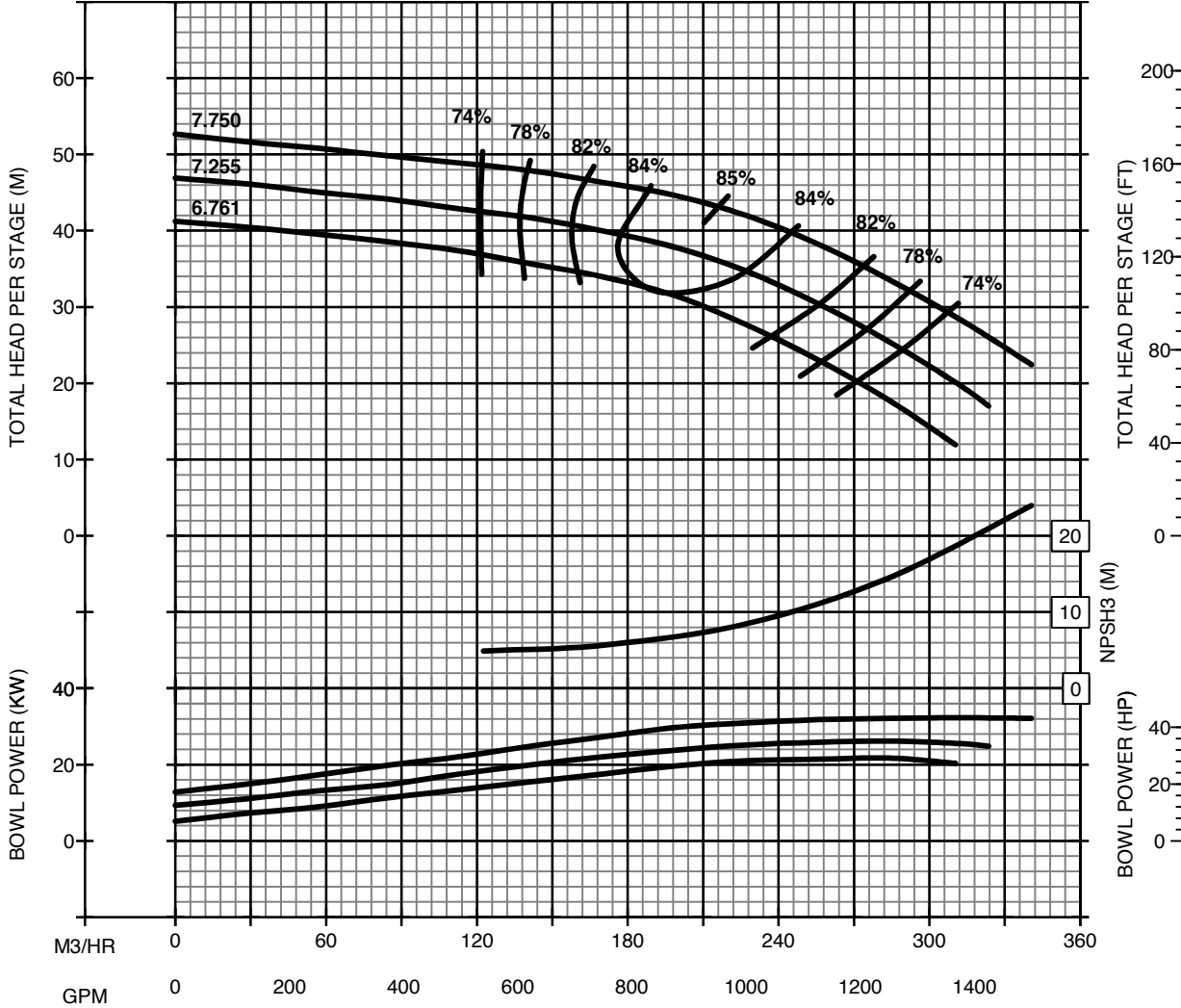
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K10MC**  
2950 RPM

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

1 STG ( ) STG

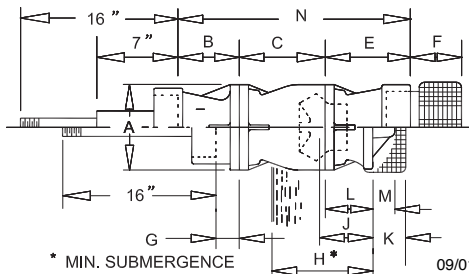


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

**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 <sup>2</sup> :	13.8	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK10MC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES





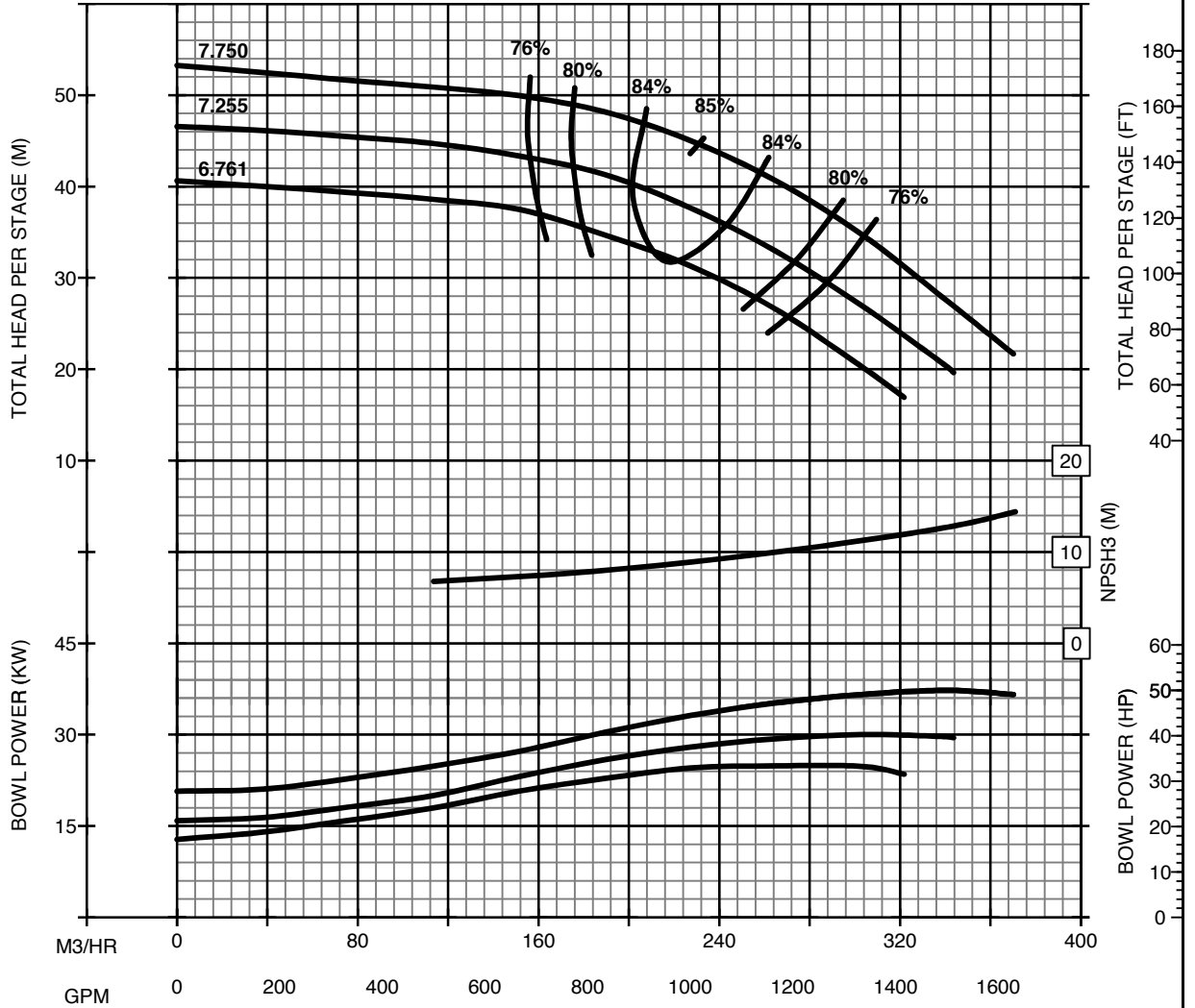
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K10HC**  
2950 RPM

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

1 STG ( ) STG

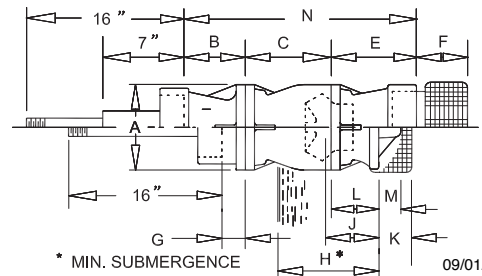


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN <sup>2</sup> :	13.8	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK10HC2P5CY

2950  
CURVES

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



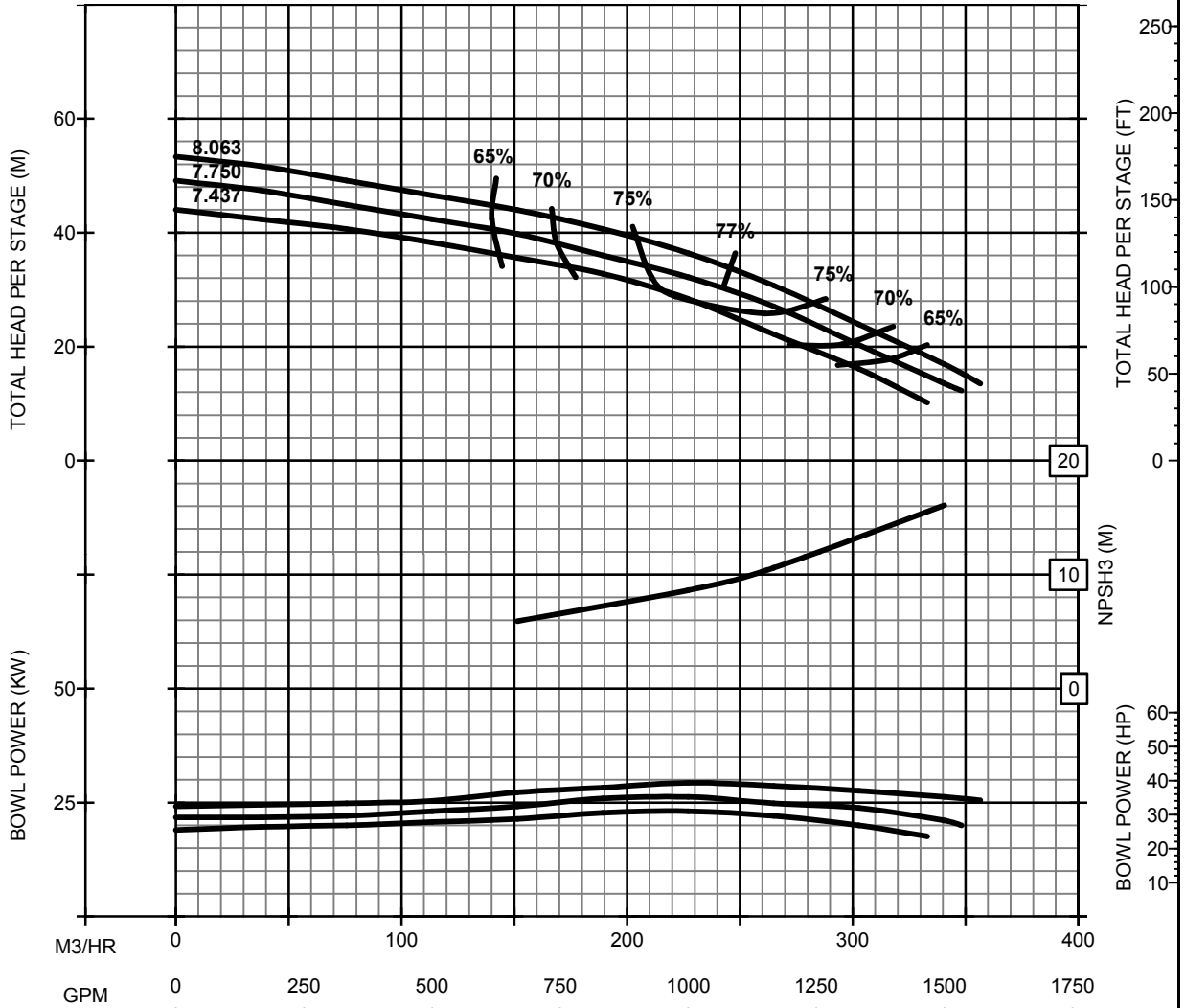
**H10MC**  
2950 RPM

CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	1	3	5	
NUMBER OF POINTS	-2	-1	0	

DESIGN	M3/HR	TDH	KW	EFF
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1 STG ( ) STG

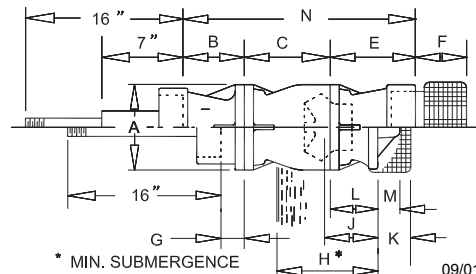


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.31	9.62	8.19	7.56	1.43	12.50	8.50	N/A	N/A	N/A	23.12

**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 <sup>2</sup> :	16.89	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

2950  
CURVES

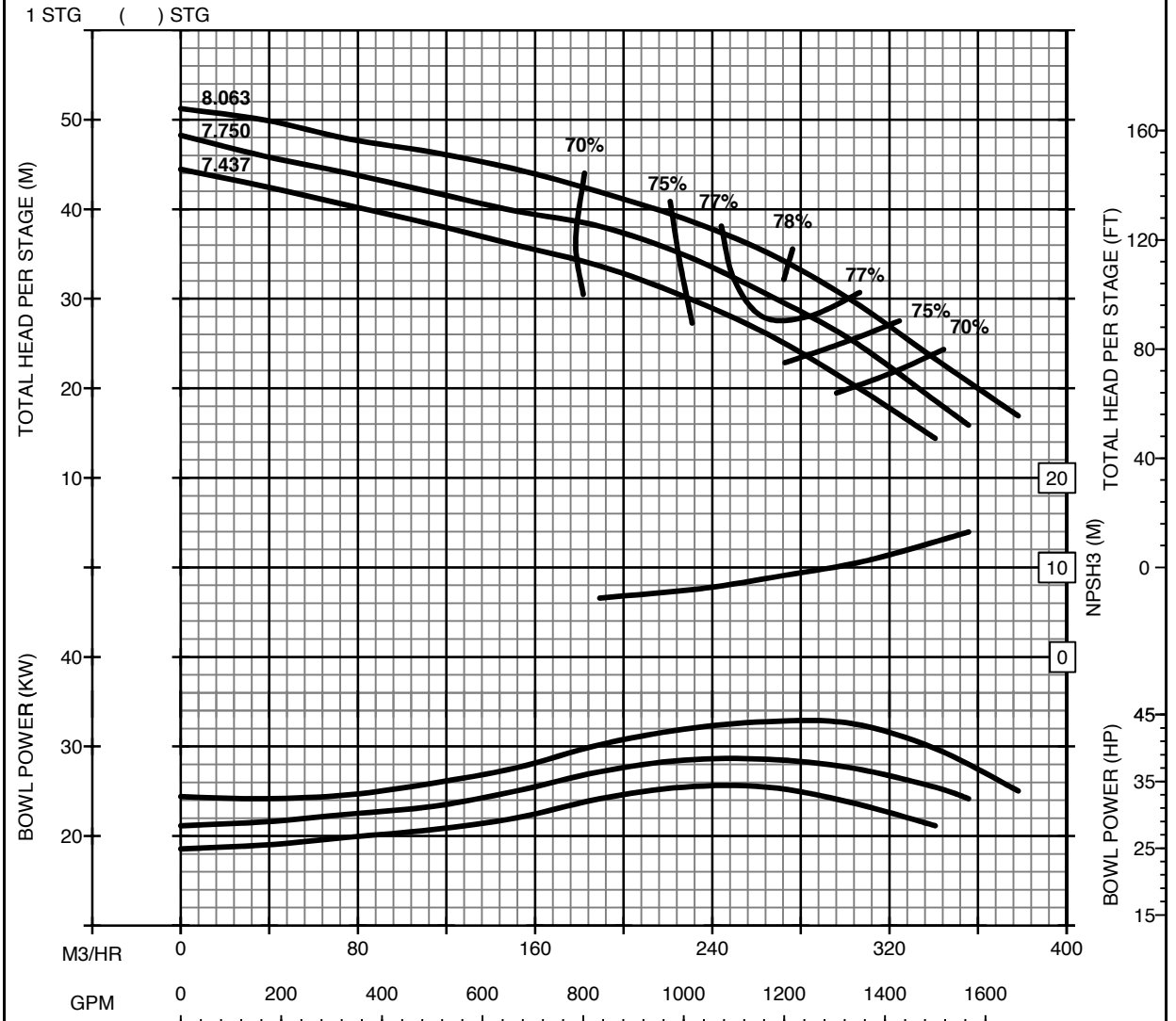


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H10HC**  
2950 RPM

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

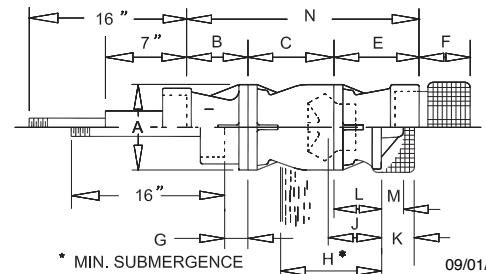


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.31	9.62	8.19	7.56	1.43	12.50	8.50	N/A	N/A	N/A	23.12

**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 <sup>2</sup> :	16.89	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH10HC2P5CY

CURVE TEMPLATE 08.05.2011

2950  
CURVES

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



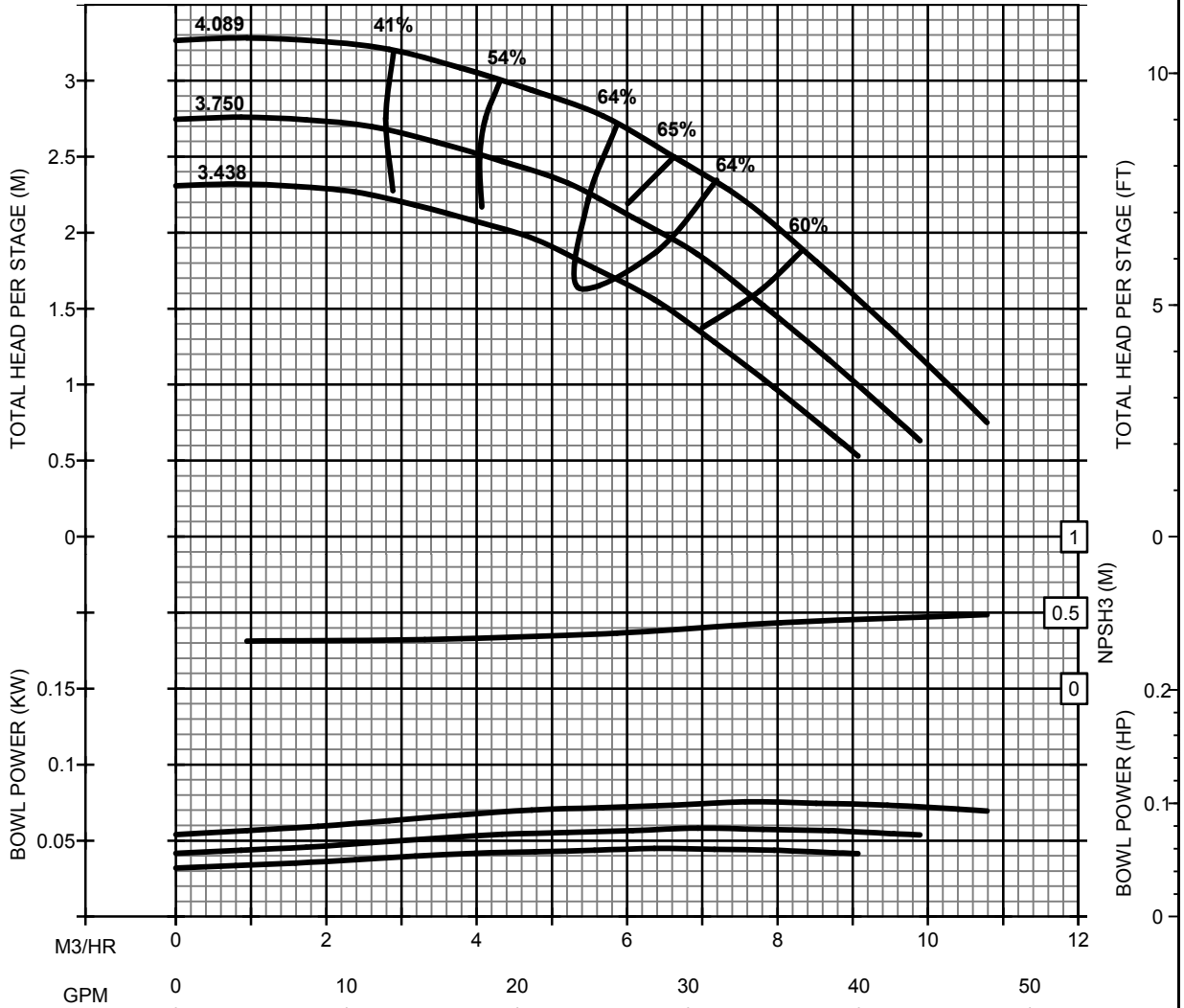
**L6LC**  
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	1	3	4
NUMBER OF POINTS	-2	-1	0

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

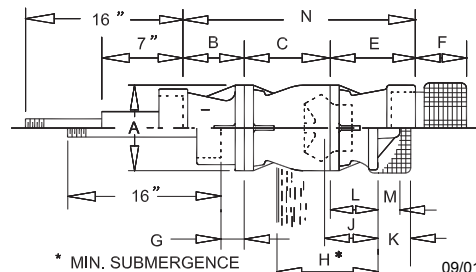


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	N/A	3.75	N/A	N/A	2.69	8.00	3.19	N/A	3.00	3.38	12.81

**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 <sup>2</sup> :	5.38	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVL6LC4P5CY

CURVE TEMPLATE 08.05.2011

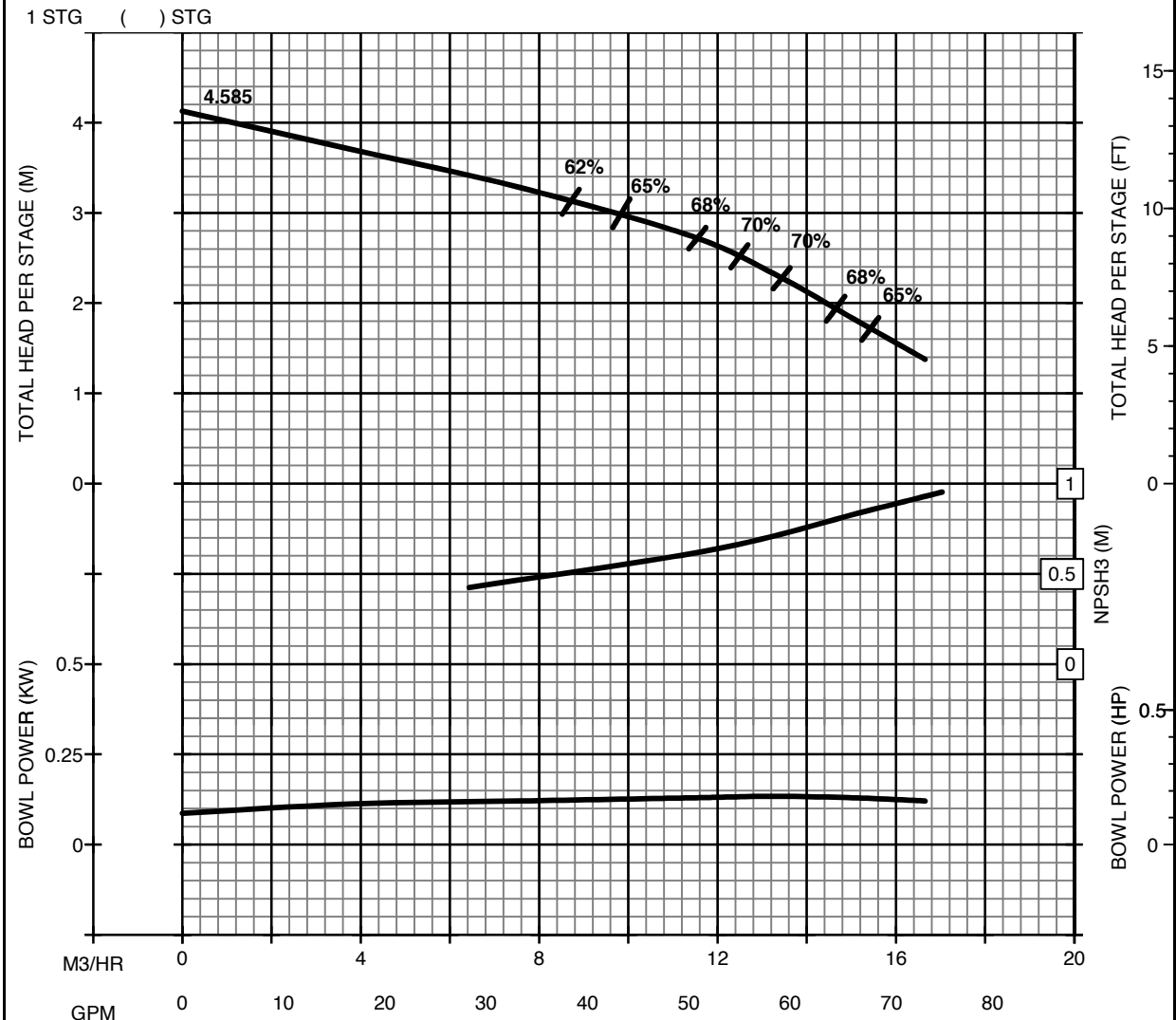
1475  
CURVES

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					

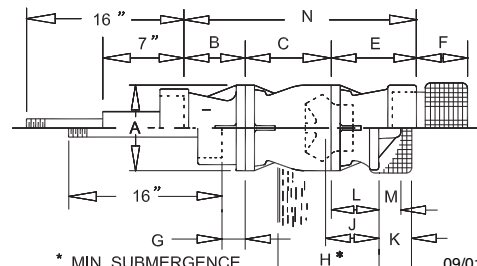


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

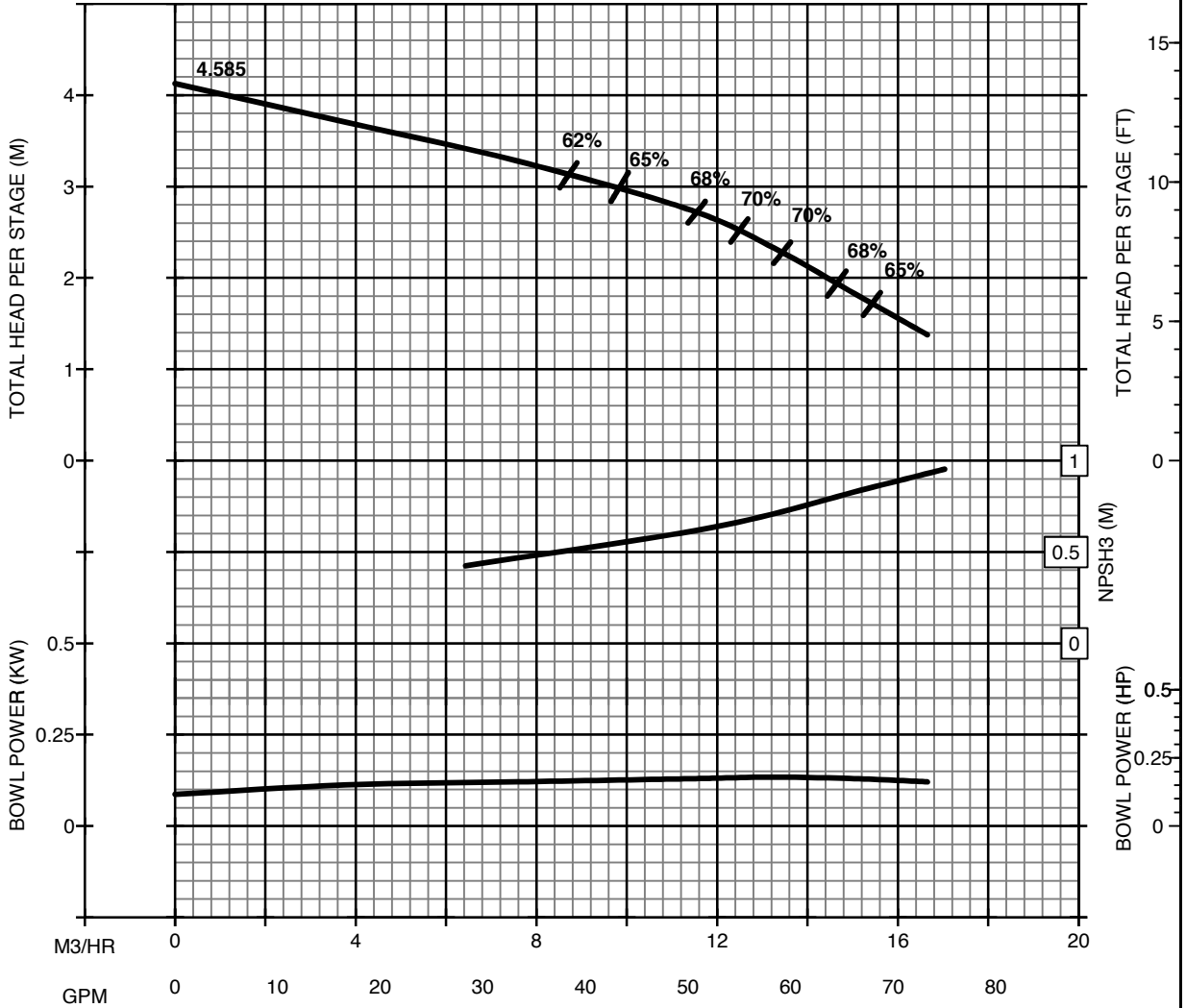
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M6LO**  
1475 RPM

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

1 STG ( ) STG

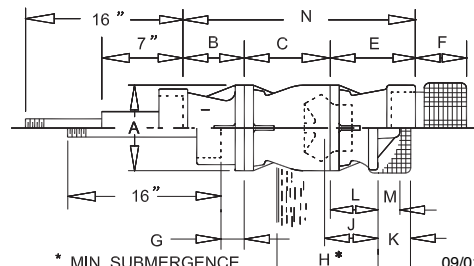


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVM6LO4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

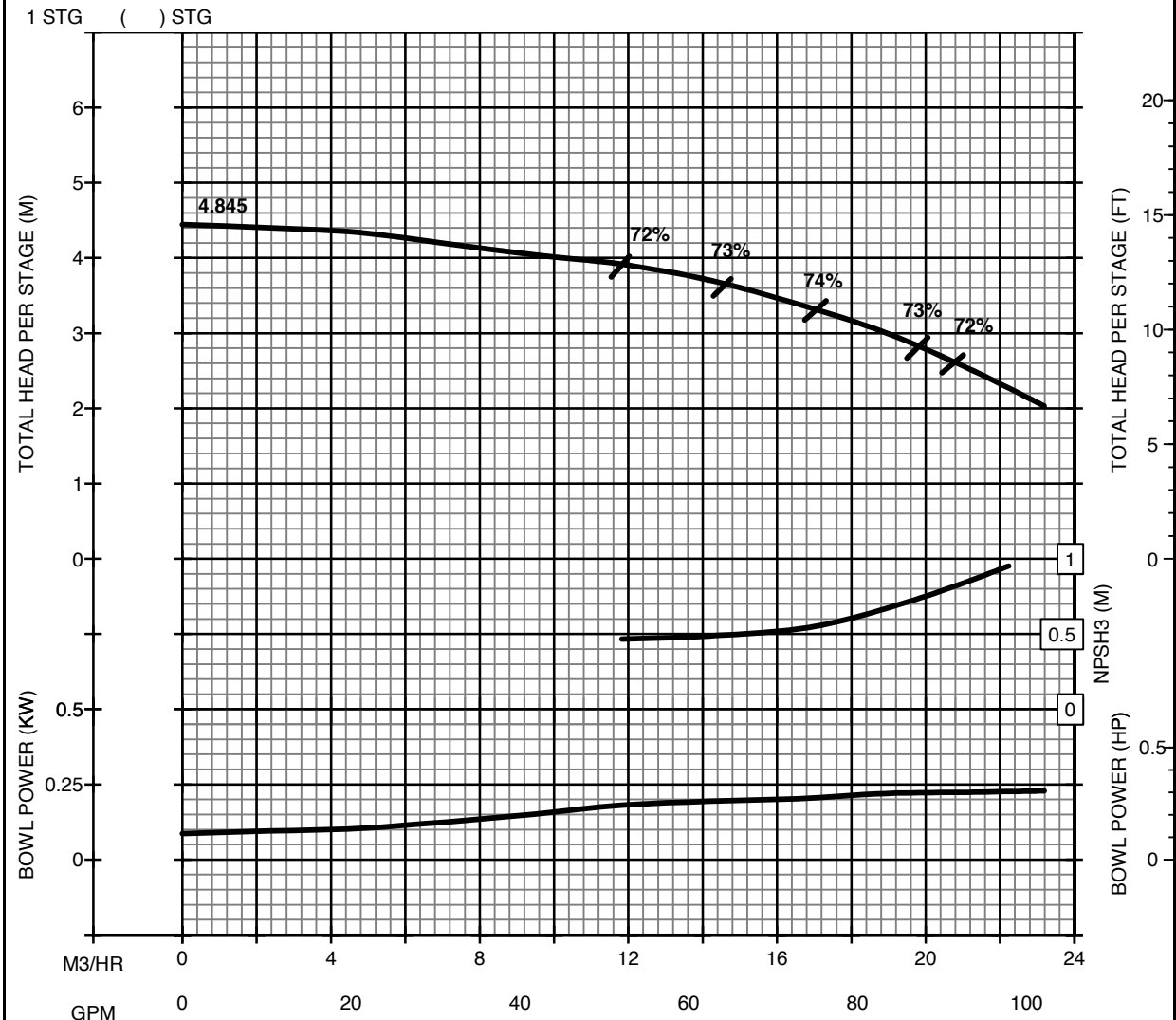


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M6MC**  
1475 RPM

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

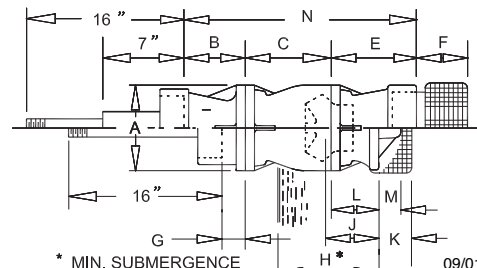


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	THREADED
NO. OF VANES:	6	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVM6MC4P5CY

1475  
CURVES

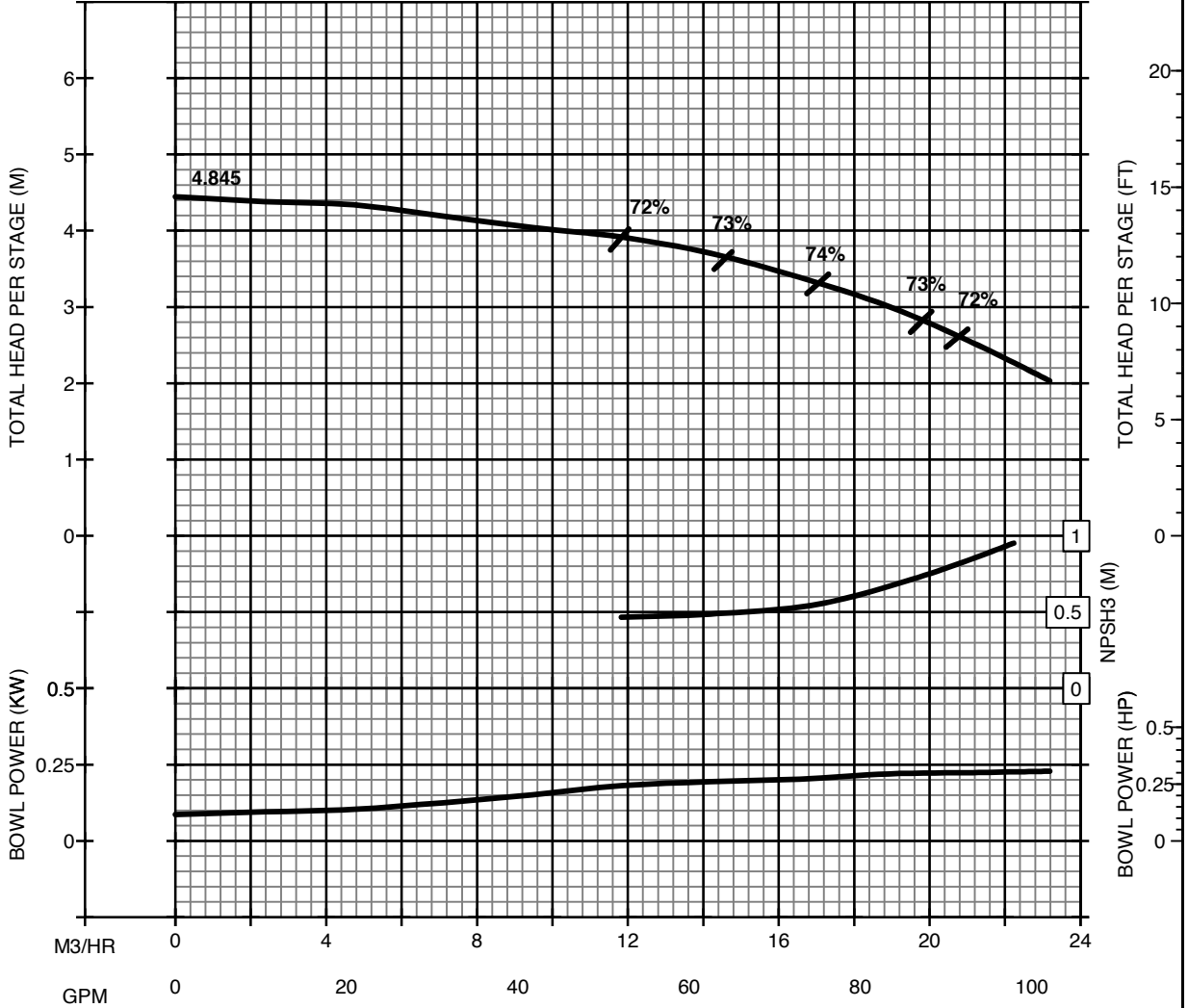
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M6MO**  
1475 RPM

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

1 STG ( ) STG

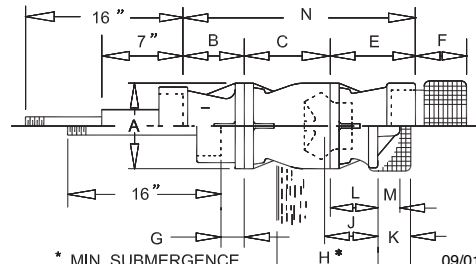


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CURVE TEMPLATE 08.05.2011

1475  
CURVES

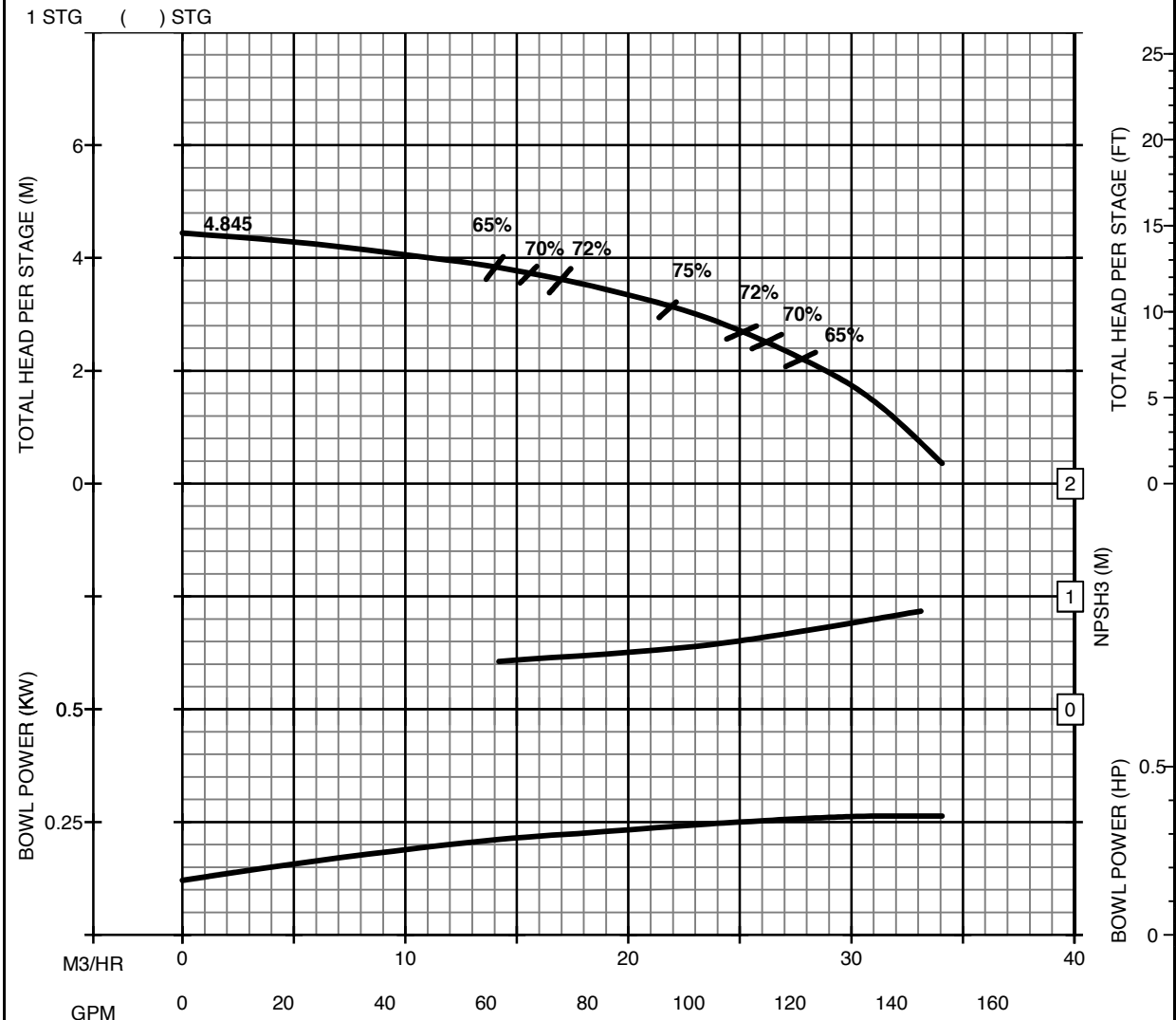


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M6HC**  
1475 RPM

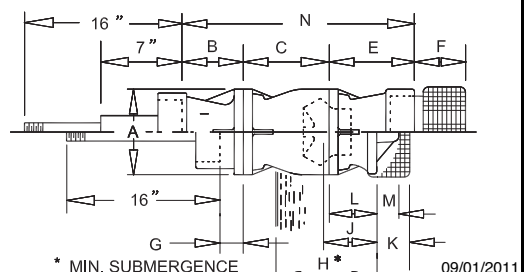
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0					



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:	7	DISCHARGE SIZE:	4"
THRUST CONSTANT:	2.3	SUCTION SIZE:	4"
LATERAL (STD):	0.19	STD. TUBE:	1.5"
EYE AREA IN <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.

1475  
CURVES



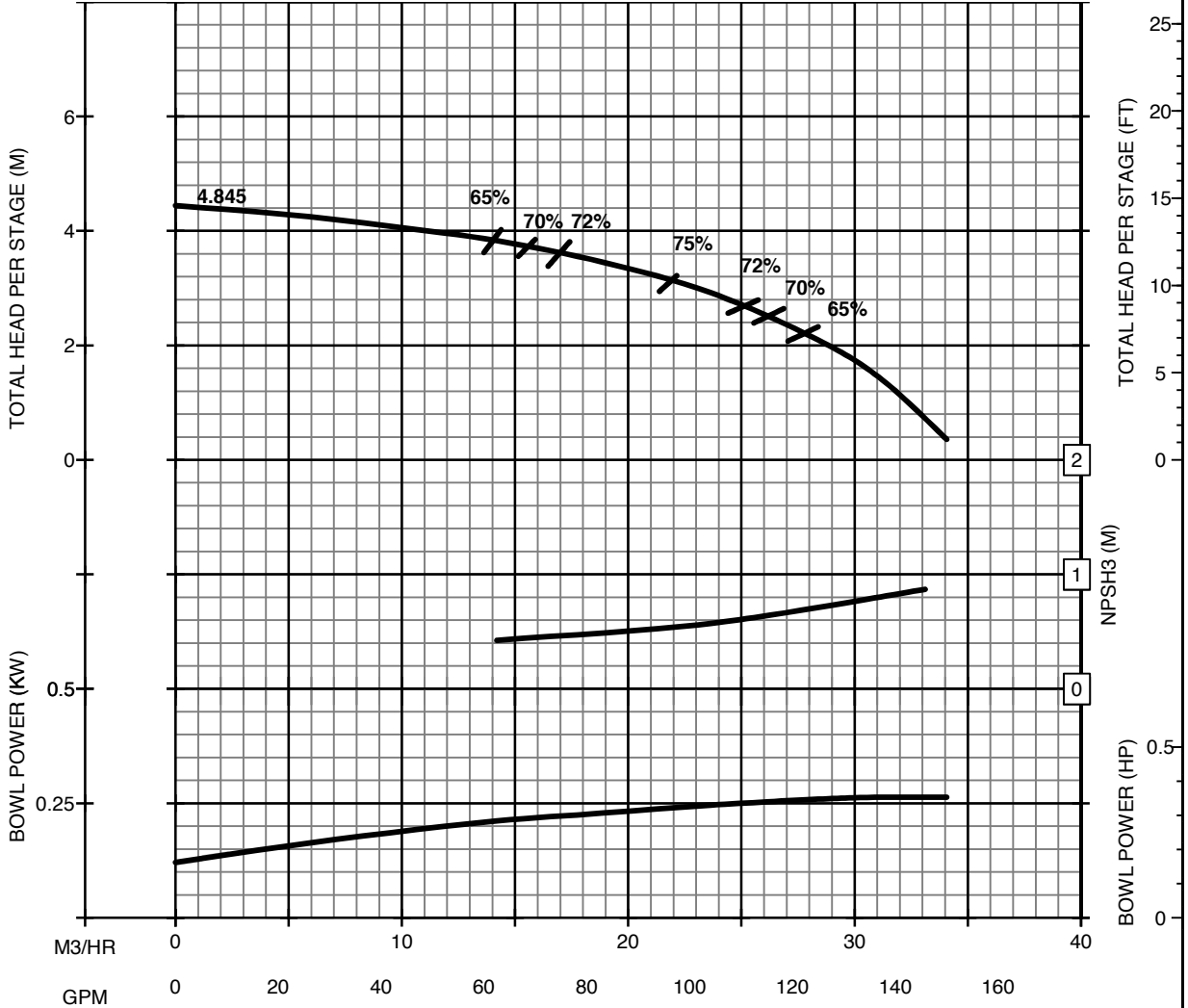
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M6HO**  
1475 RPM

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

1 STG ( ) STG

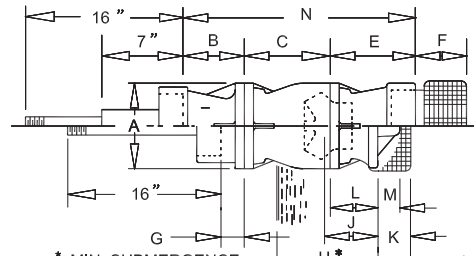


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.50	3.94	4.00	7.06	6.00	2.69	12.00	N/A	N/A	N/A	N/A	15.00

**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 <sup>2</sup> :	3.82	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

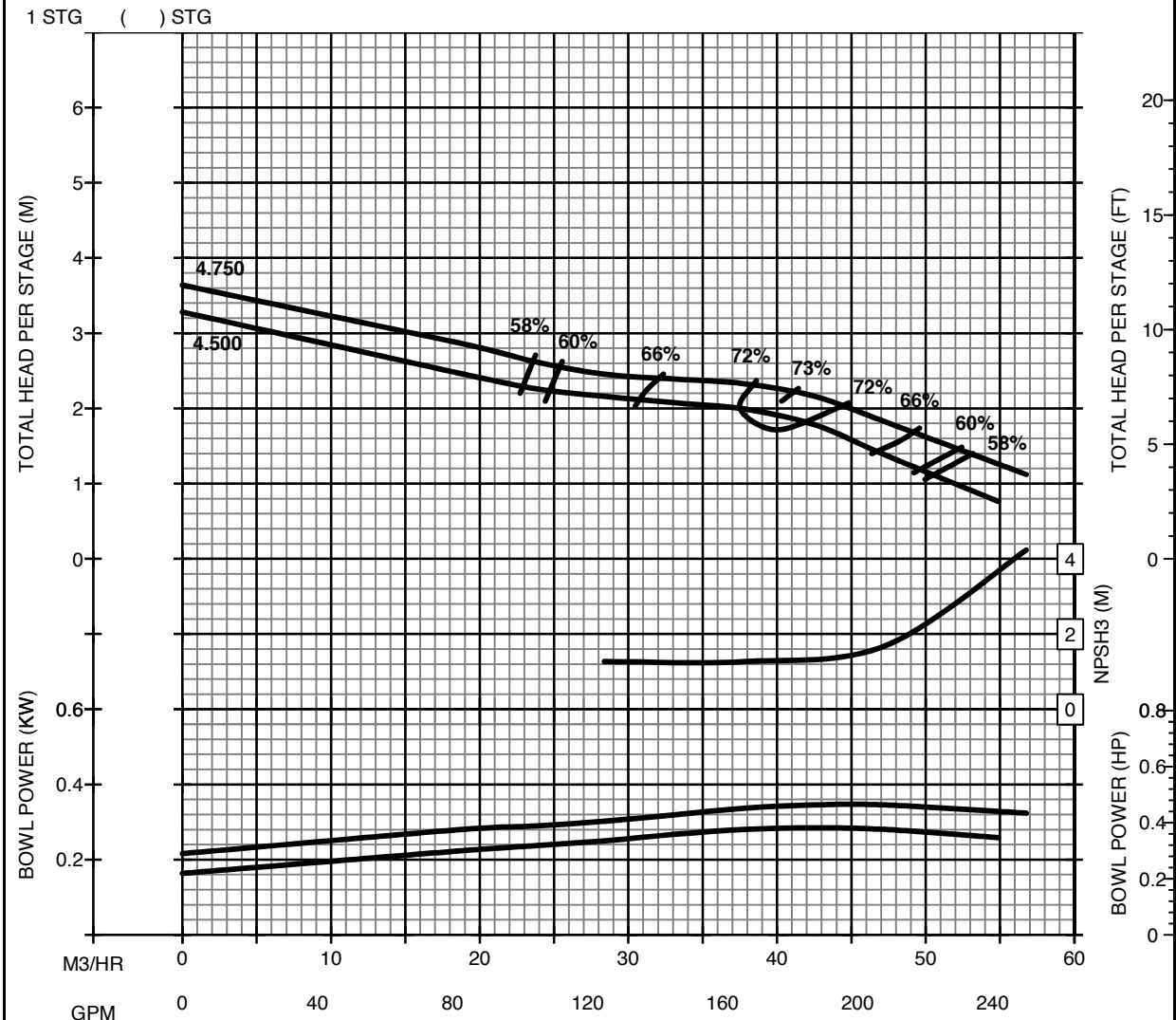


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**E6XHC**  
1475 RPM

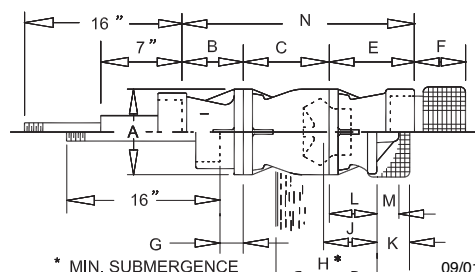
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	4		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



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 <sup>2</sup> :	7.12	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVE6XHC4P5CY

1475  
CURVES



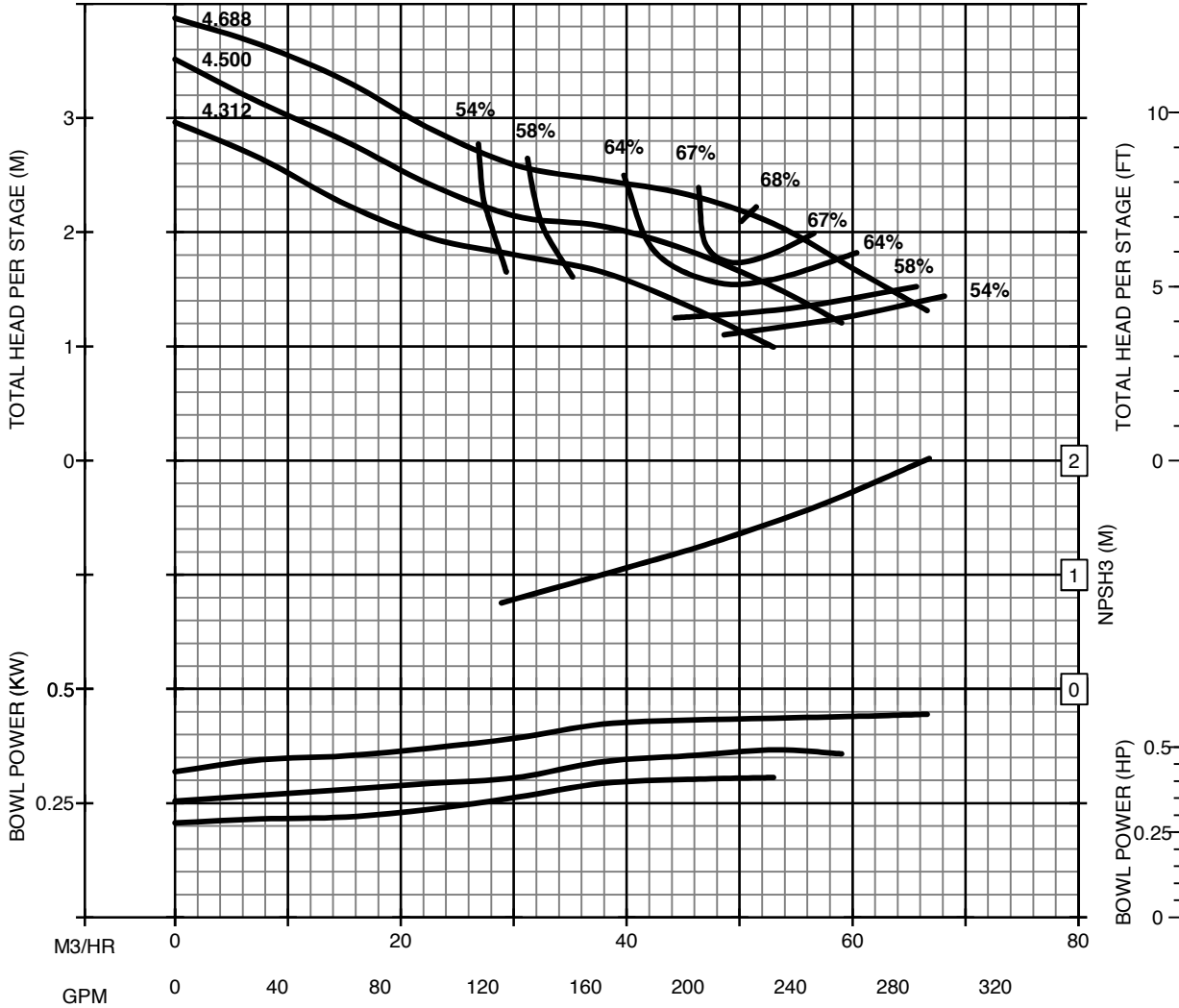
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**J6HC**  
1475 RPM

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

1 STG ( ) STG

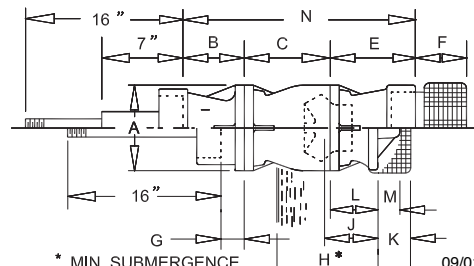


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	5.62	3.00	4.75	6.00								

**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 <sup>2</sup> :	7.50	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

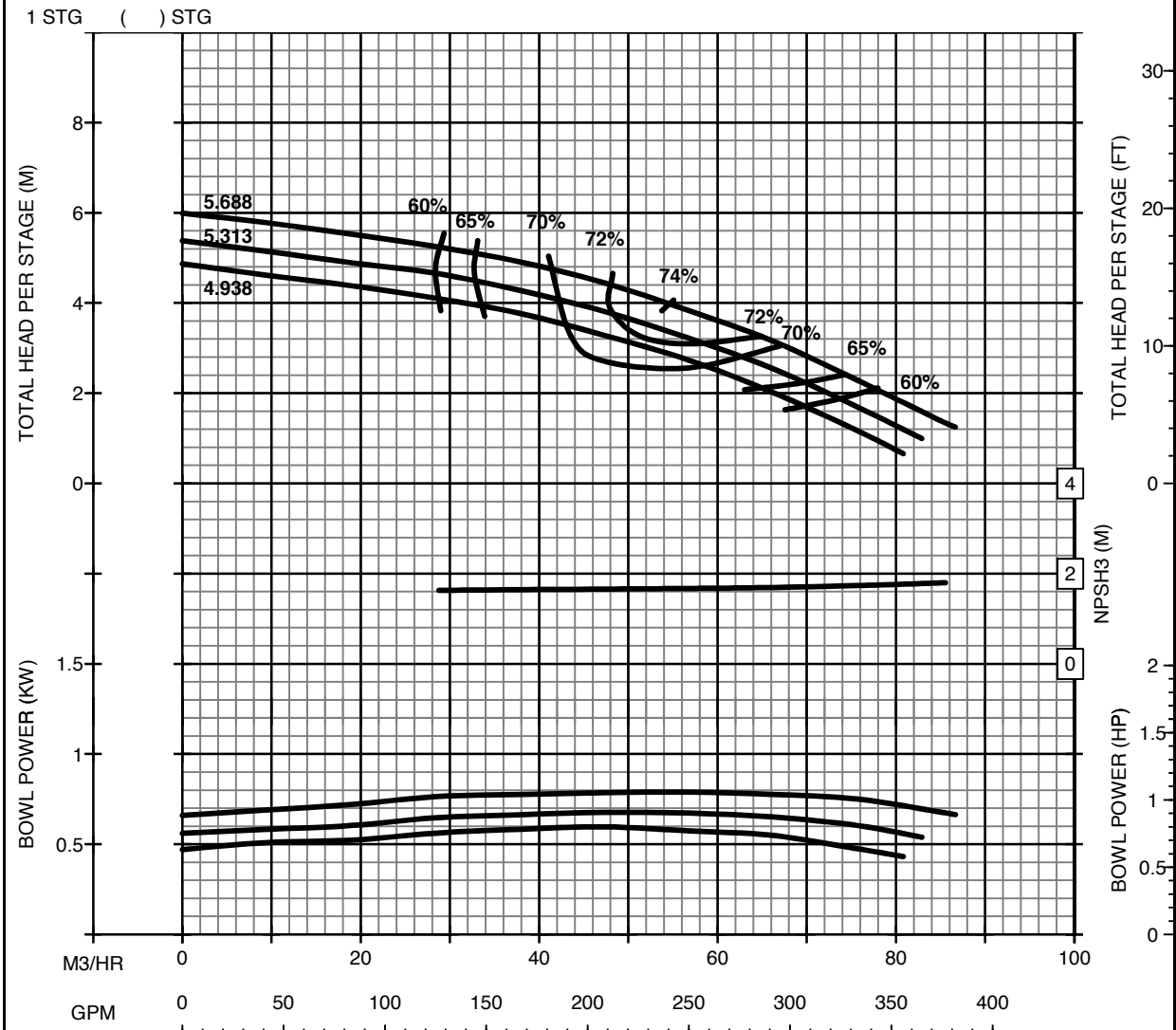
1475  
CURVES

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
	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

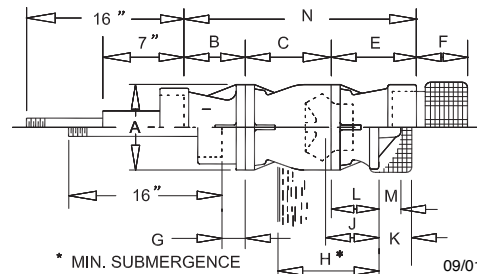
**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.2	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN <sup>2</sup> :	9.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

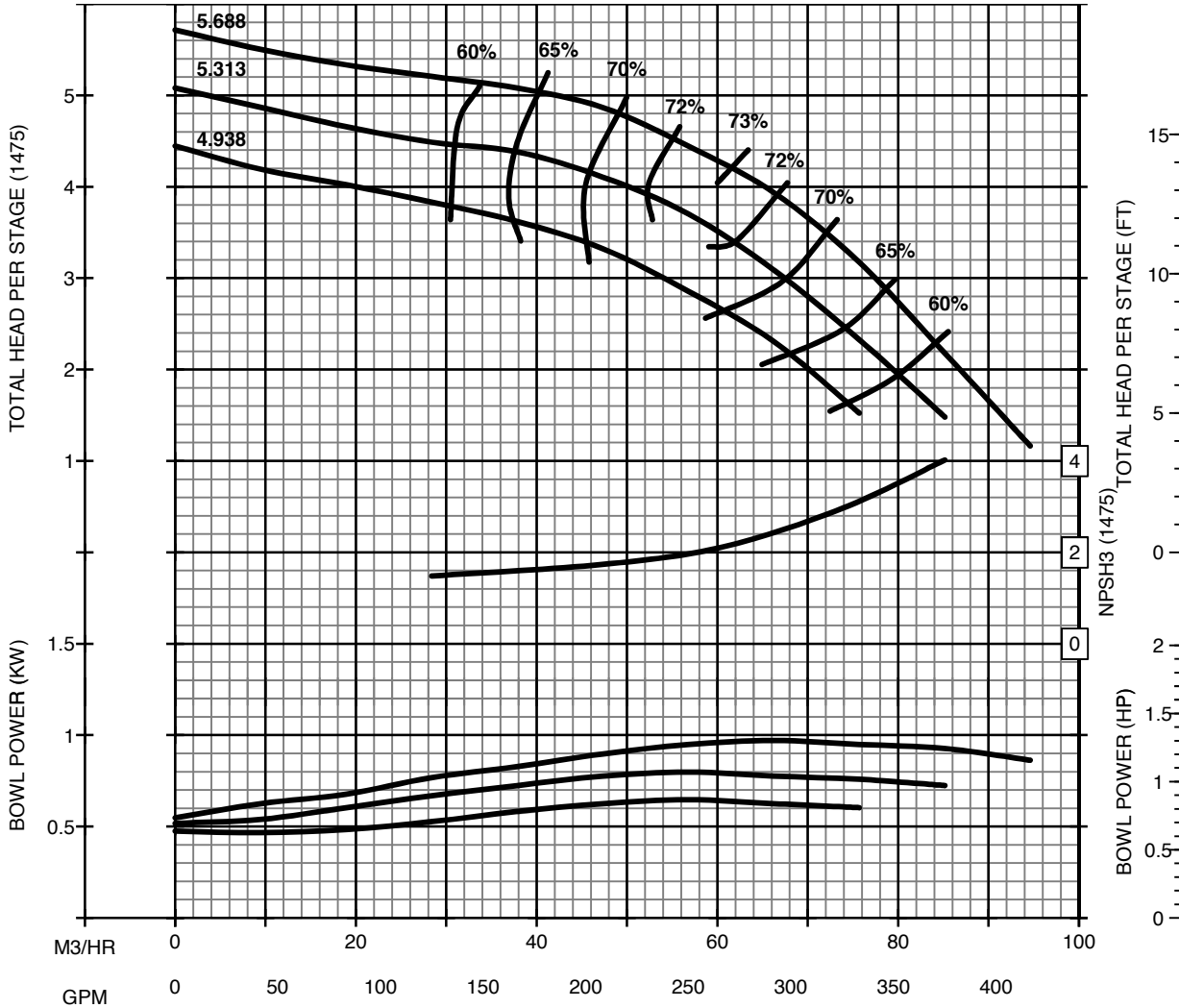
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H7HC**  
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	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
	7.0	5.5	6.75	8.25	6.56	1.12	16.5	8.75	N/A	N/A	N/A	20.5

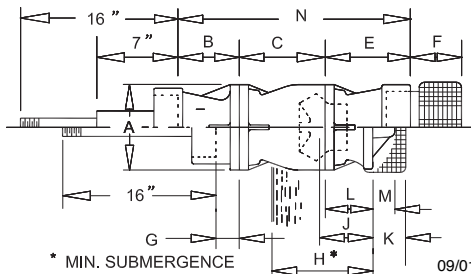
**PUMP DATA**

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 <sup>2</sup> :	9.09	WR <sup>2</sup> LB-FT <sup>2</sup> :	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"



09/01/2011

CVH7HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

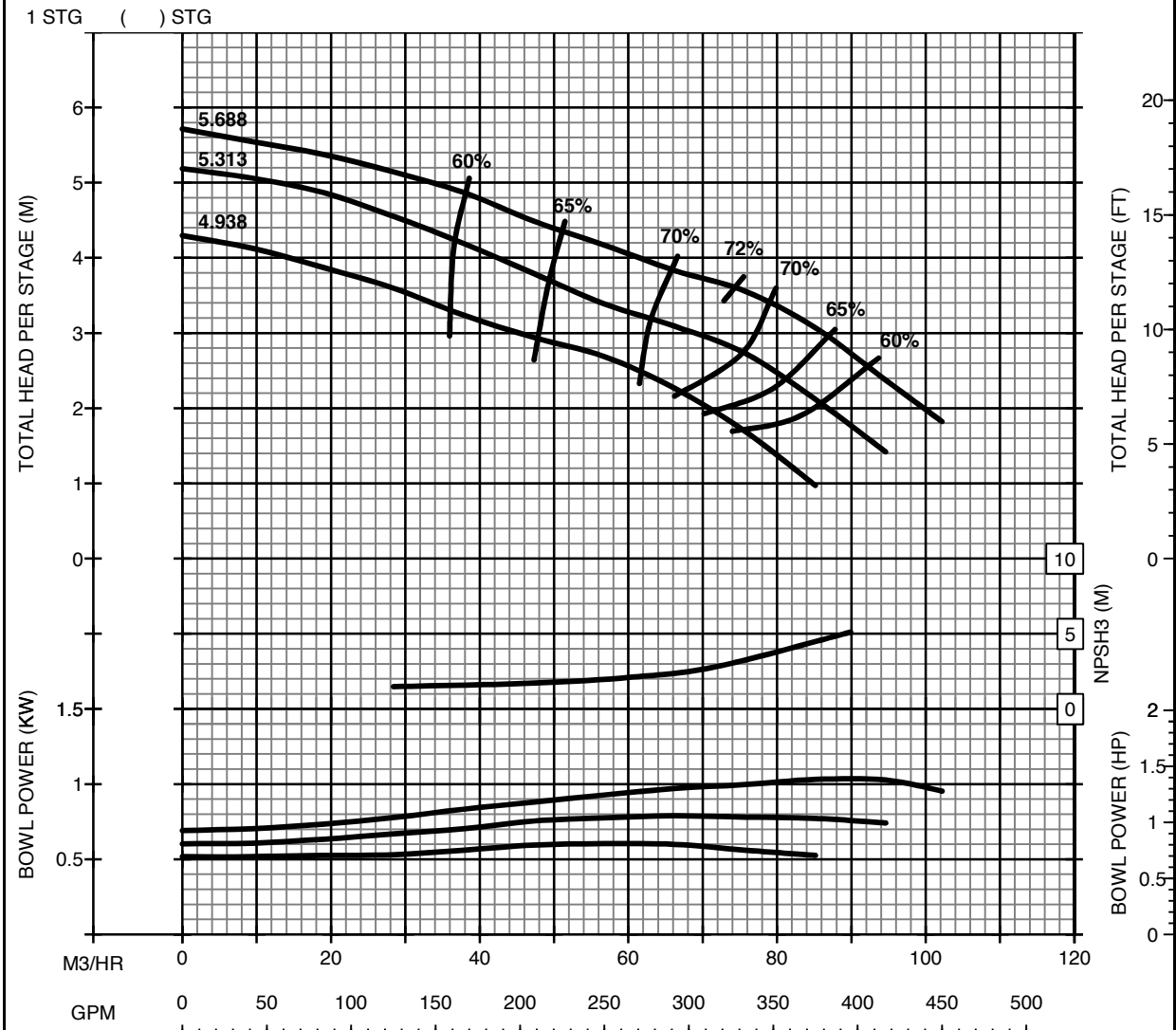


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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					

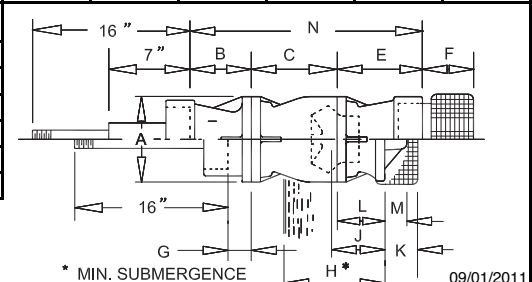


DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.0	5.5	6.75	8.25	6.56	1.12	16.5	8.75	N/A	N/A	N/A	20.5

**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 <sup>2</sup> :	10.7	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES



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



**K8LC**  
1475 RPM

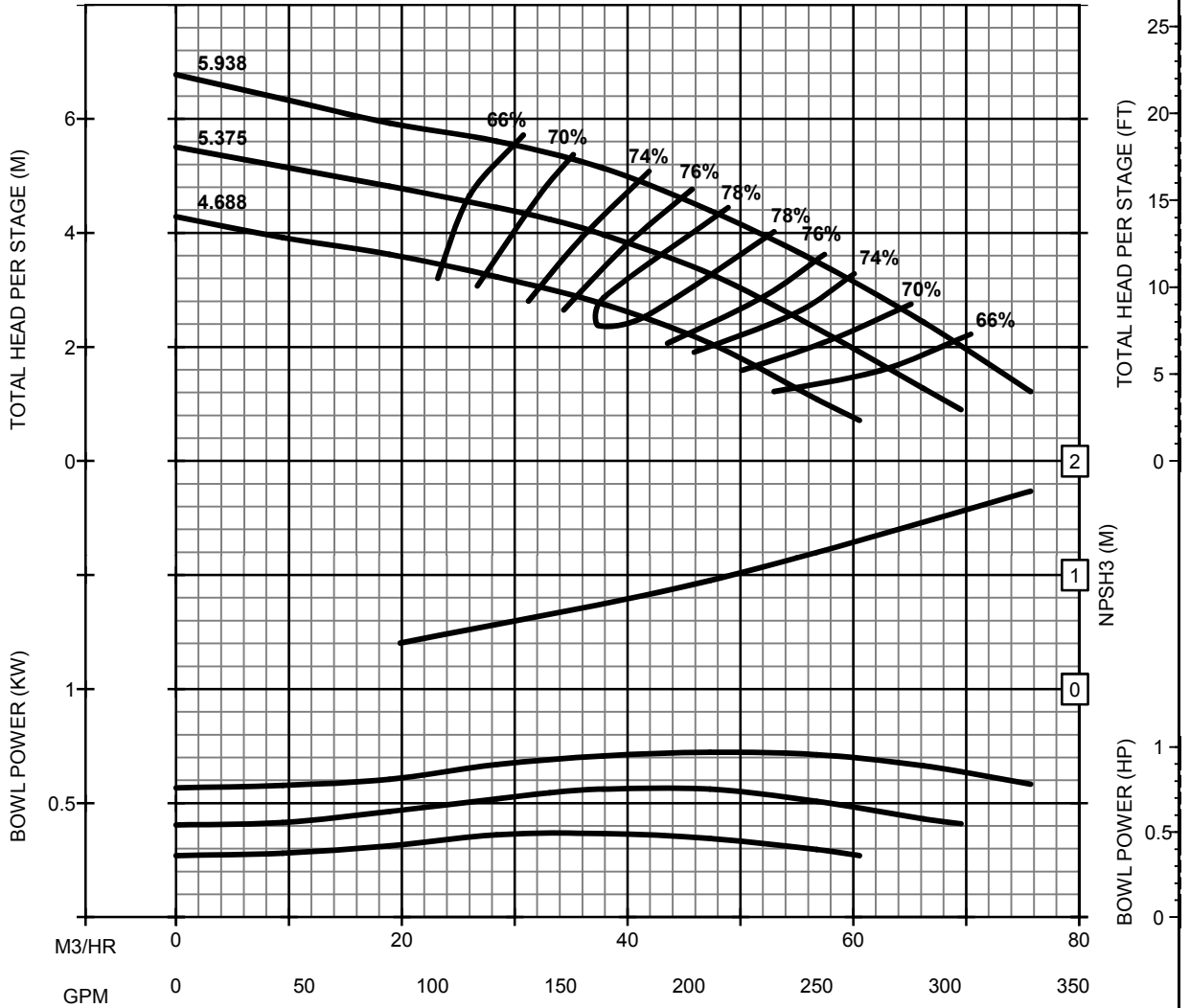
CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES  
NUMBER OF POINTS

1	3	4	
-2	-1	0	

DESIGN	M3/HR	TDH	KW	EFF

1 STG ( ) STG

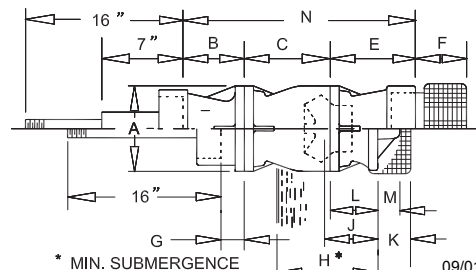


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.63	5.53	6.50	8.38	6.56	1.12	14.50	6.00	6.12	5.52	2.50	20.13

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.73	SUCTION SIZE:	5"
LATERAL (STD):	0.688	STD. TUBE:	2"
EYE AREA IN <sup>2</sup> :	7.742	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK8LC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

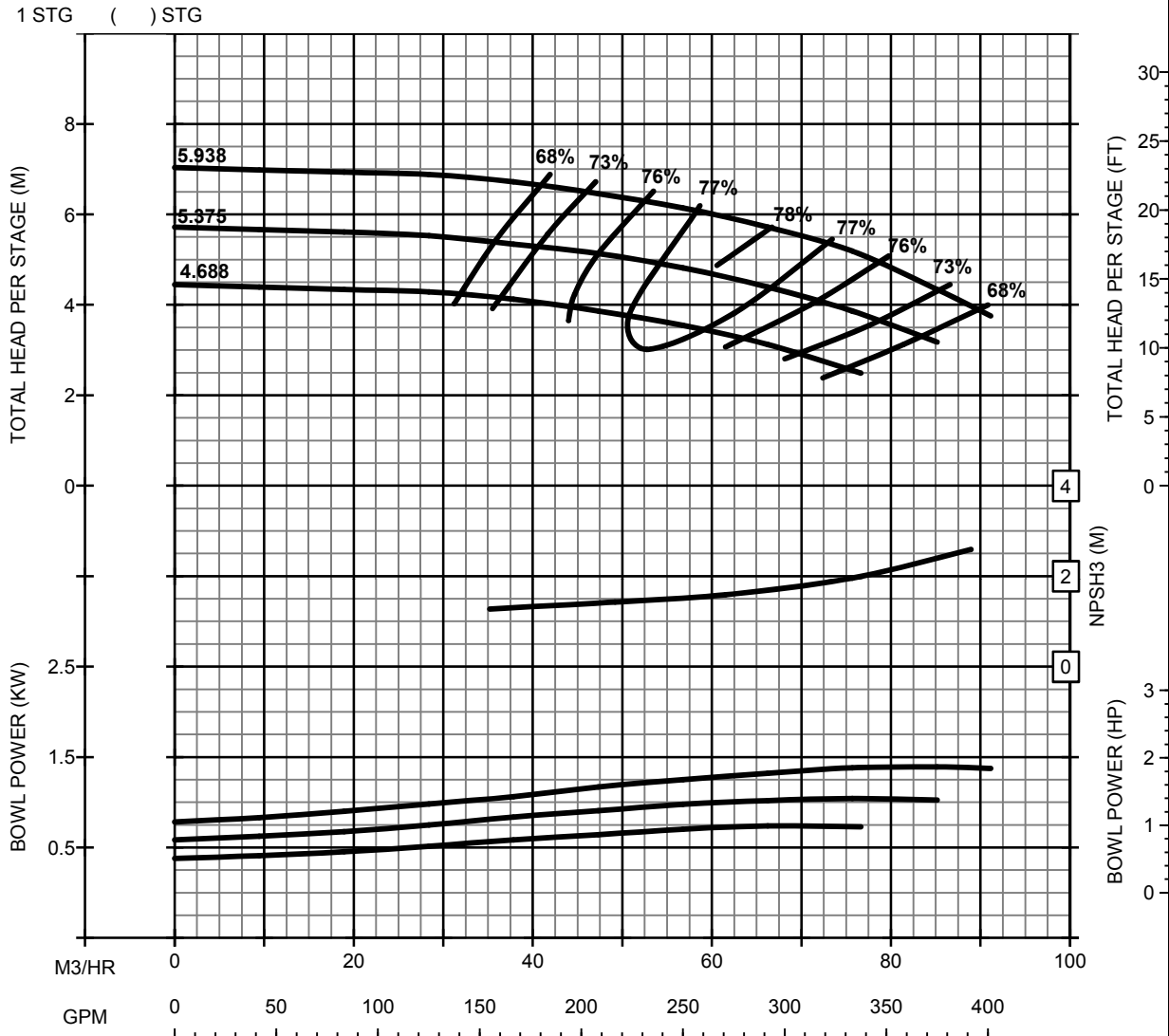


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K8HC**  
1475 RPM

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

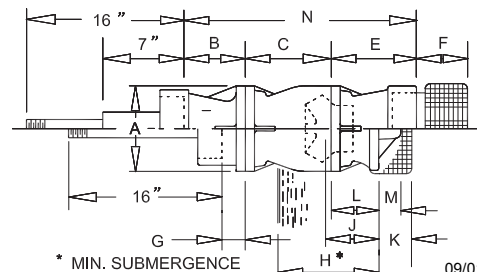


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.63	5.53	6.50	8.38	6.56	1.12	14.50	6.00	6.12	5.52	2.50	20.13

**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 <sup>2</sup> :	7.742	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011  
CVK8HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

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



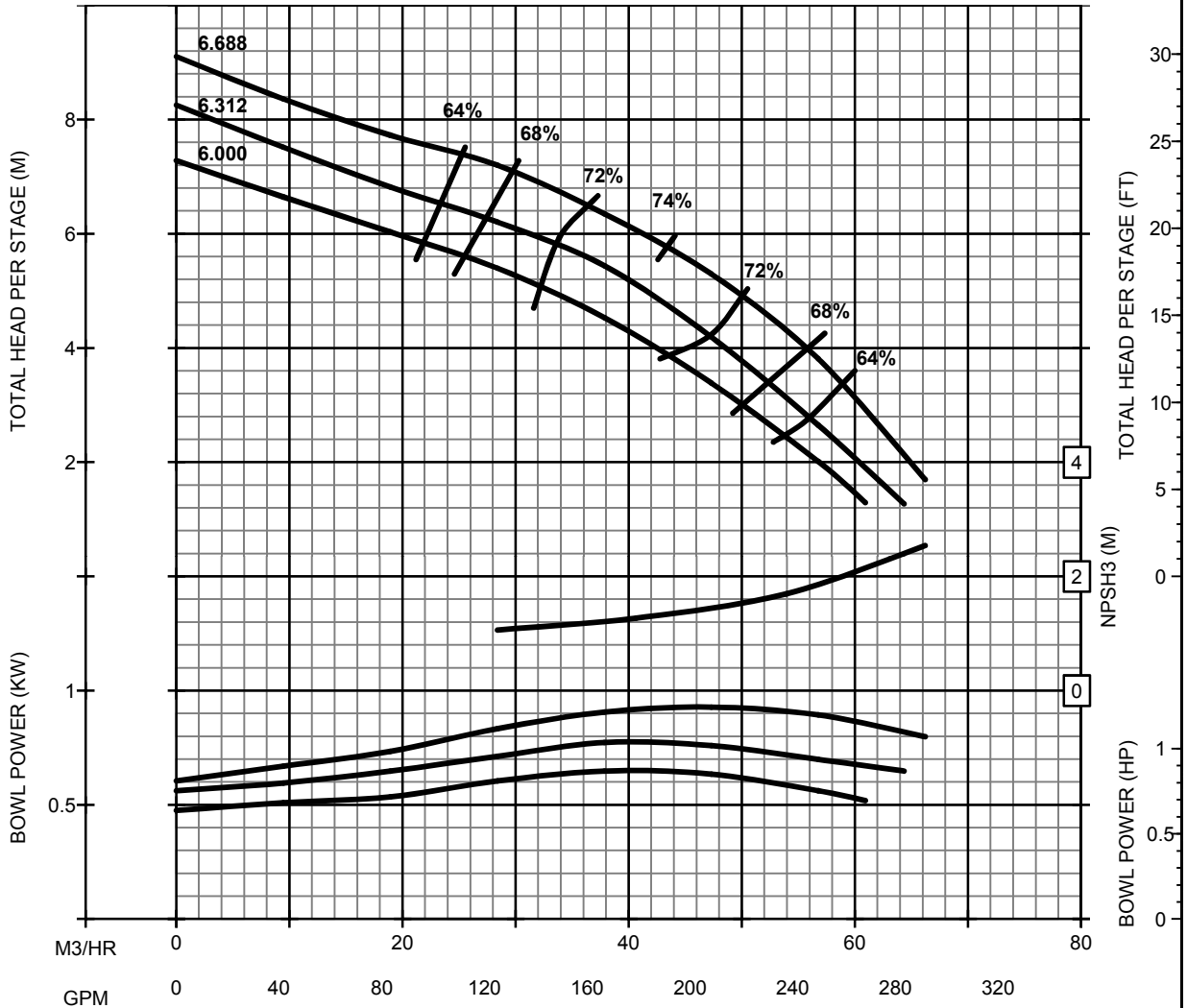
**M8XLC**  
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	1	3	5
NUMBER OF POINTS	-2	-1	0

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

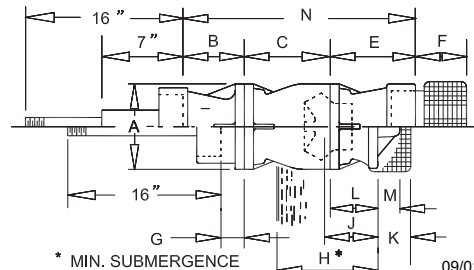


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**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 <sup>2</sup> :	7.72	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVM8XLC4P5CY

CURVE TEMPLATE 08.05.2011

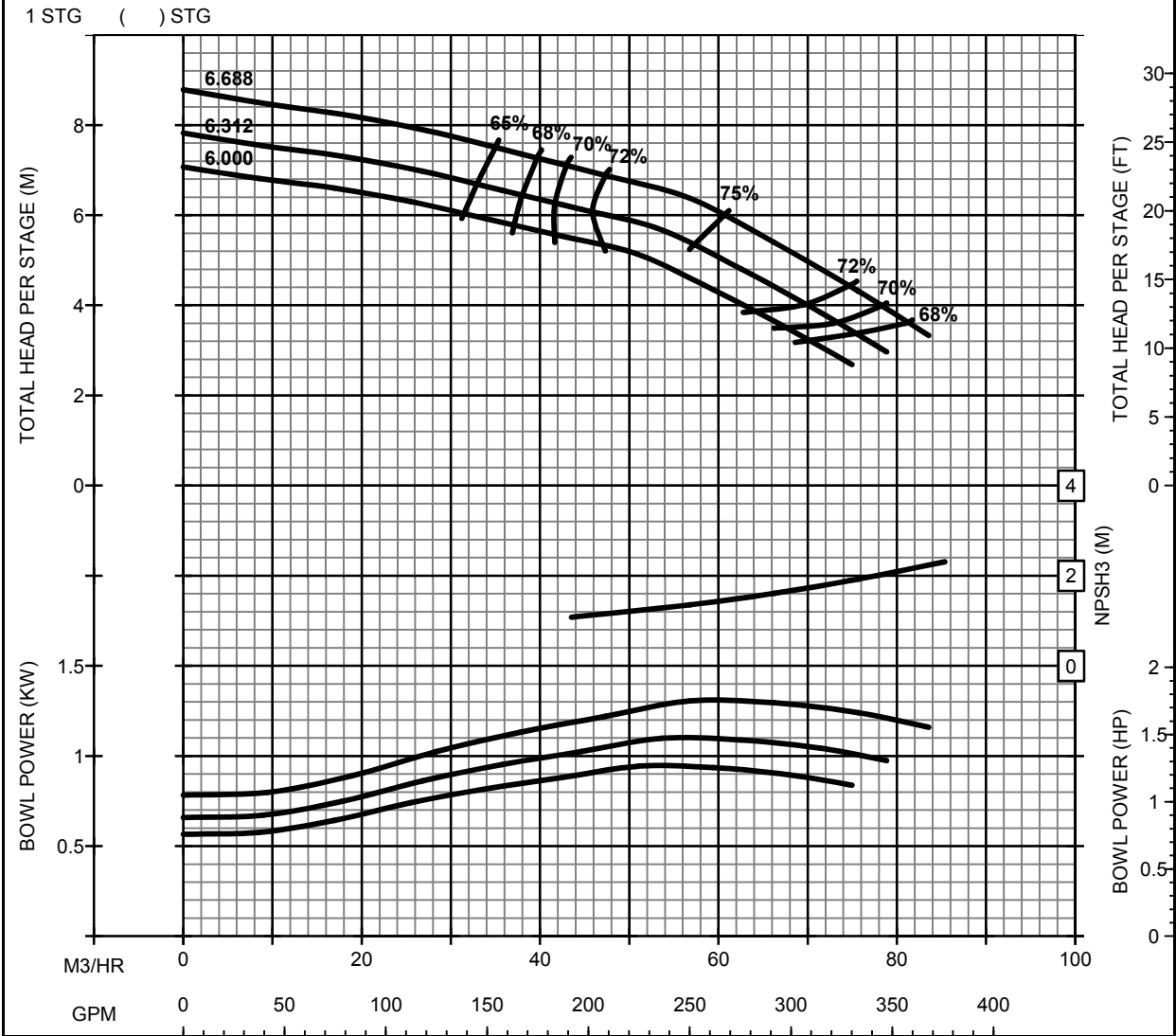
1475  
CURVES

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
	NUMBER OF POINTS	-2	-1	0						

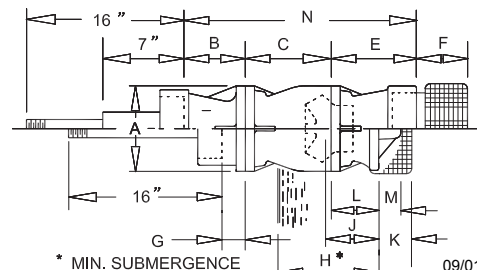


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	5", 6"
THRUST CONSTANT:	4.0	SUCTION SIZE:	5", 6"
LATERAL (STD):	0.75	STD. TUBE:	2"
EYE AREA IN <sup>2</sup> :	8.74	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

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

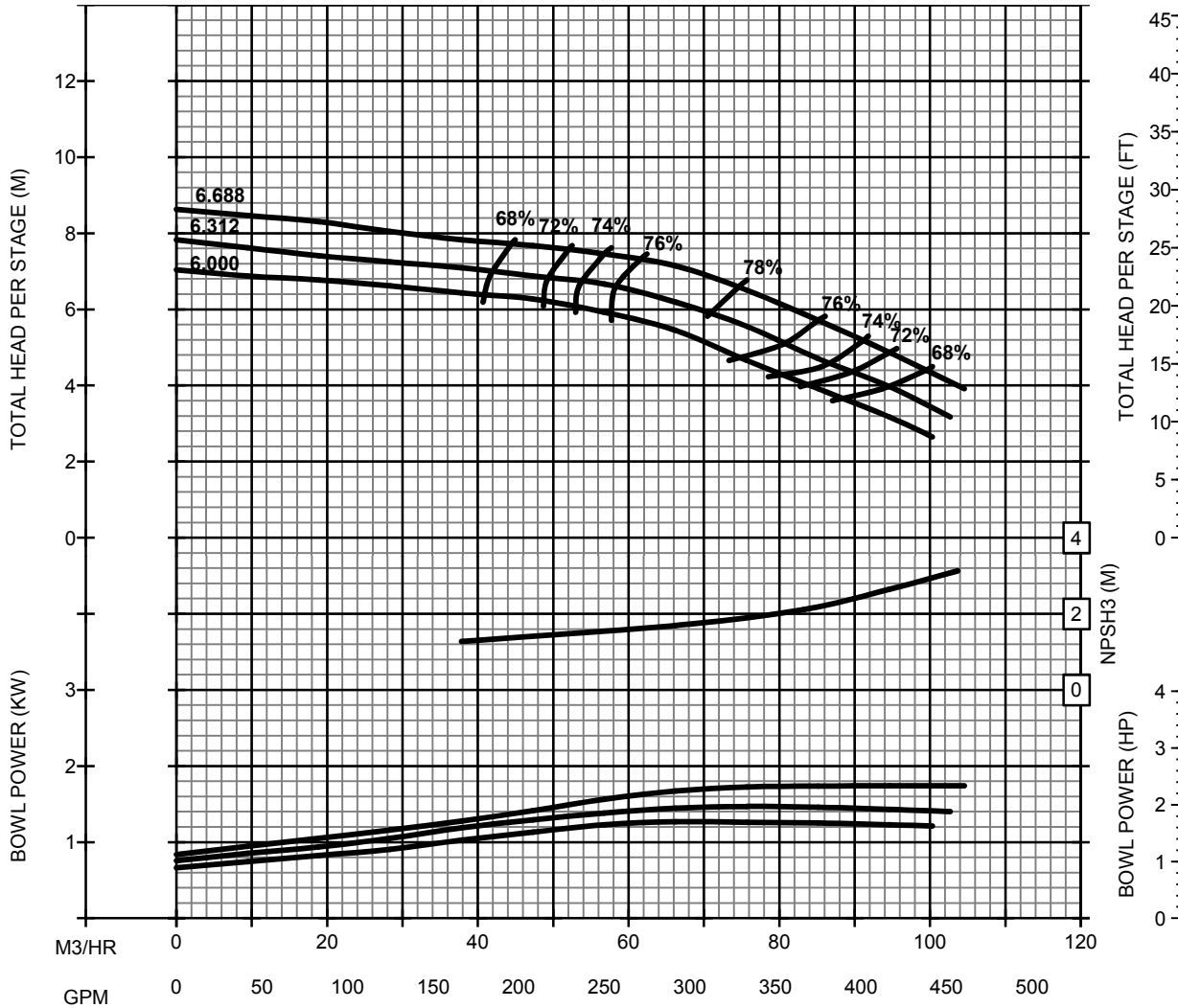
CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES  
NUMBER OF POINTS

1	3	5	
-2	-1	0	

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

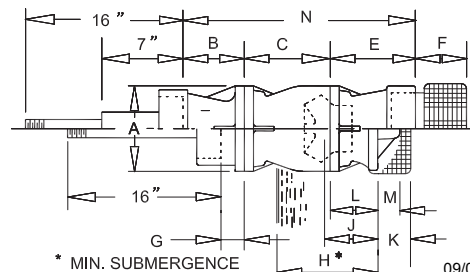


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**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 <sup>2</sup> :	8.74	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVM8HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



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

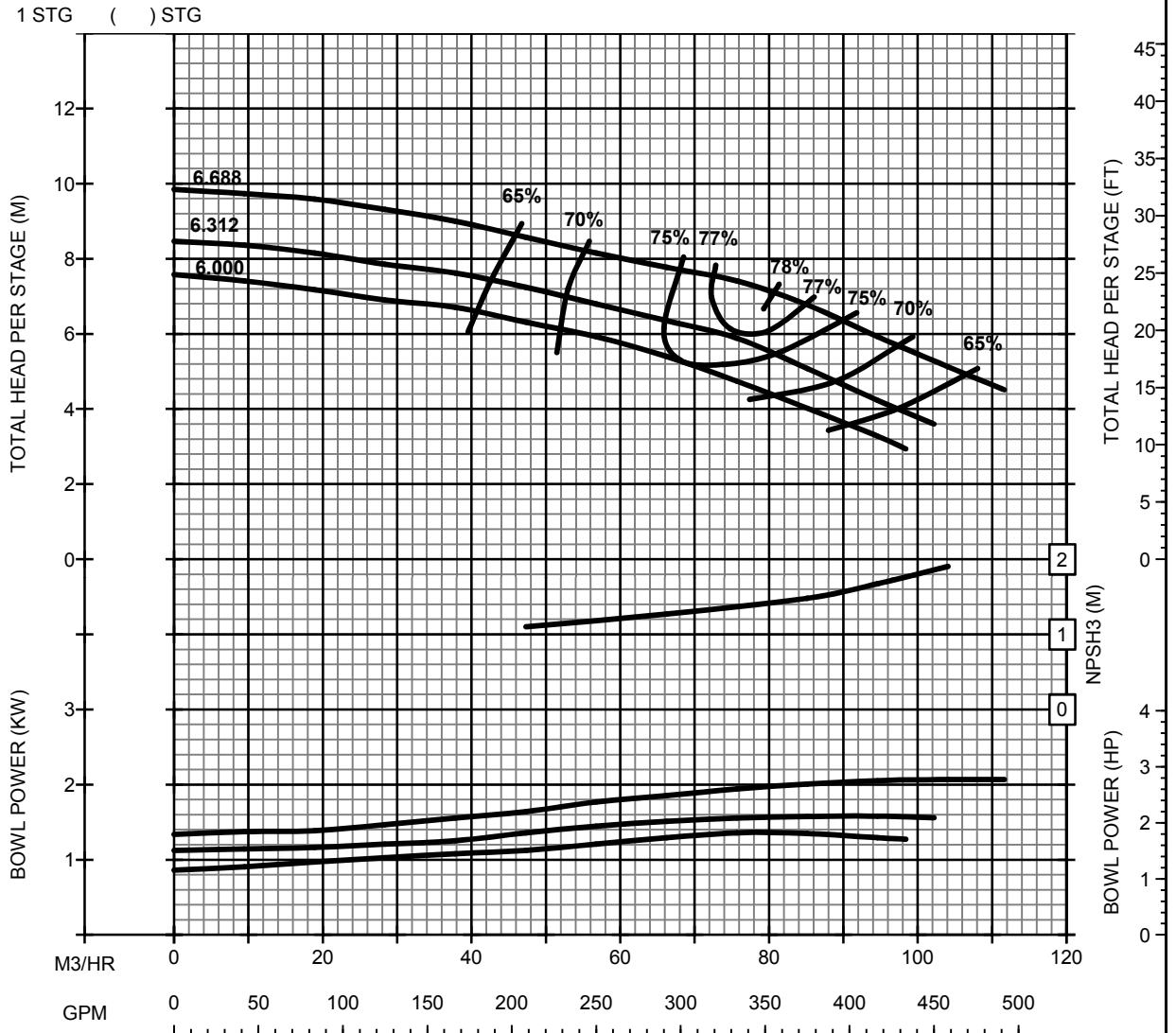


**M8XHC**  
1475 RPM

CHANGE EFFICIENCY  
AS FOLLOWS

NUMBER OF STAGES	1	3	5
NUMBER OF POINTS	-2	-1	0

DESIGN	M3/HR	TDH	KW	EFF
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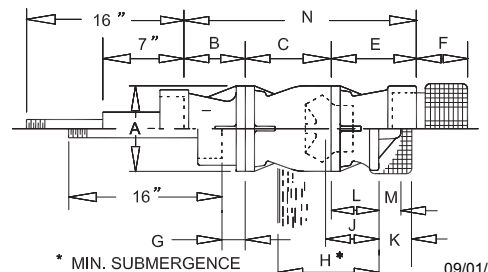


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	8.12	5.53	7.25	8.38	6.56	1.13	14.50	6.50	6.12	5.63	2.50	21.13

**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 <sup>2</sup> :	10.7	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVM8XHC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



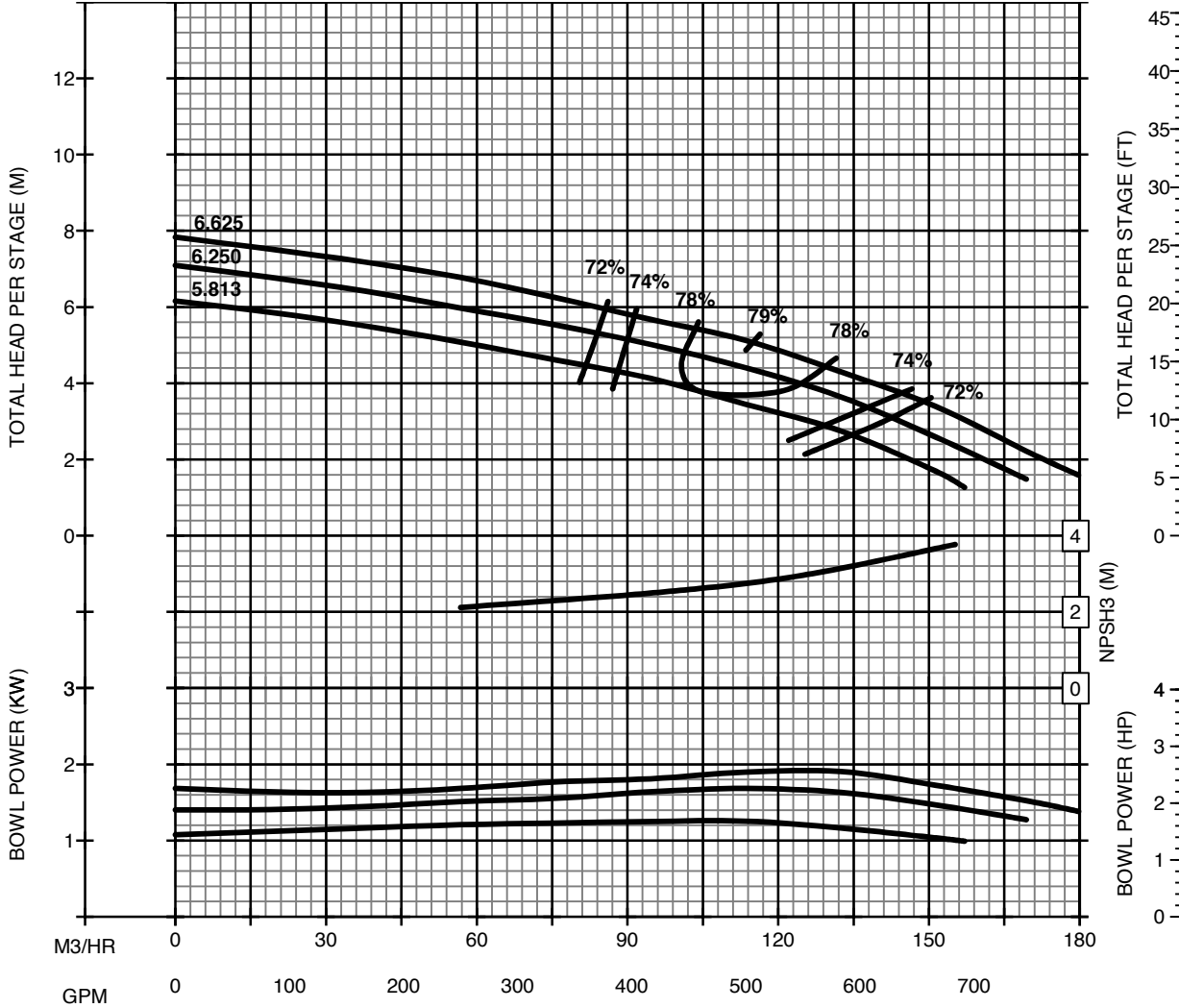
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**J8XHC**  
1475 RPM

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

1 STG ( ) STG

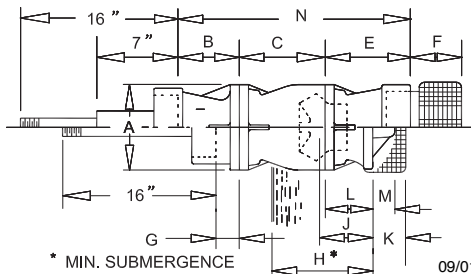


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	7.75	8.50	8.88	9.25	6.63	1.12	14.00	N/A	N/A	N/A	N/A	26.63

**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 <sup>2</sup> :	12.81	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

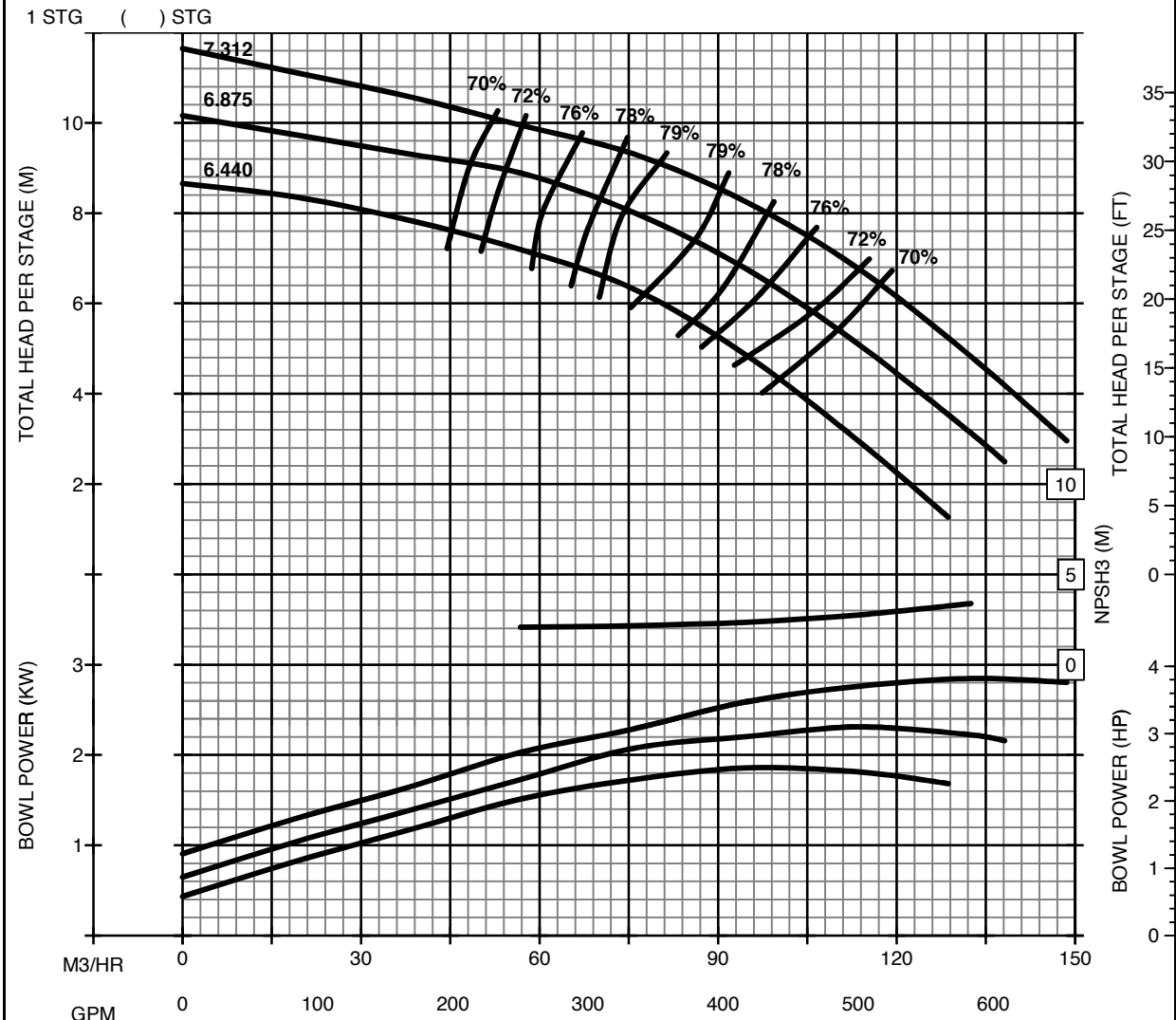


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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						

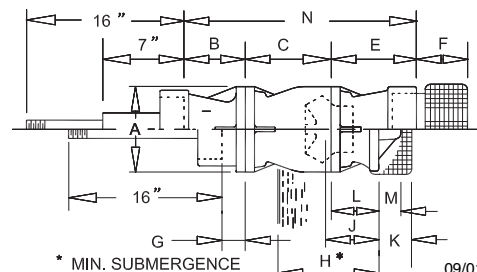


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.00	5.53	8.00	8.38	2.94	7.47	14.50	6.50	6.13	5.62	2.50	21.91

**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 <sup>2</sup> :	9.69	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVM9MC4P5CY

1475  
CURVES



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



**L10HC**  
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS

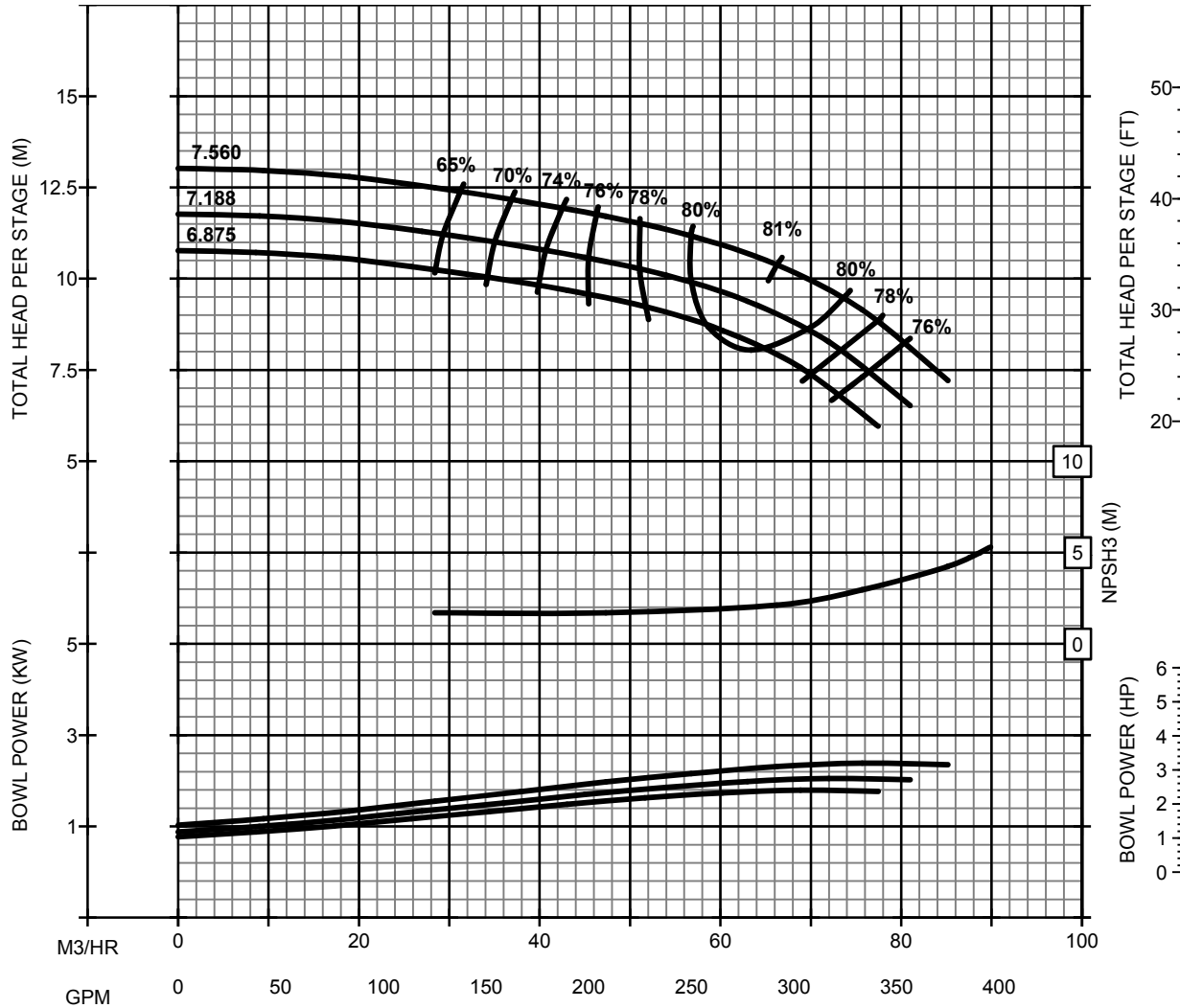
NUMBER OF STAGES  
NUMBER OF POINTS

1	2	3
-3	-2	0

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

TEMPORARY CURVE, CONTACT FACTORY

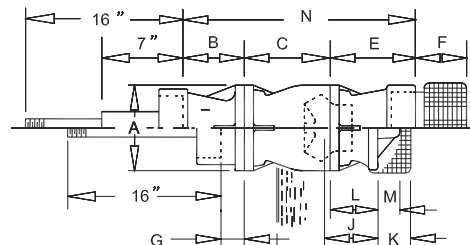


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.83	5.18	6.50	N/A	N/A	1.43	16.00	4.00		4.13	3.75	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	6"
THRUST CONSTANT:	4.60	SUCTION SIZE:	N/A
LATERAL (STD):	0.50	STD. TUBE:	2.5"
EYE AREA IN <sup>2</sup> :	8.53	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVL10HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



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

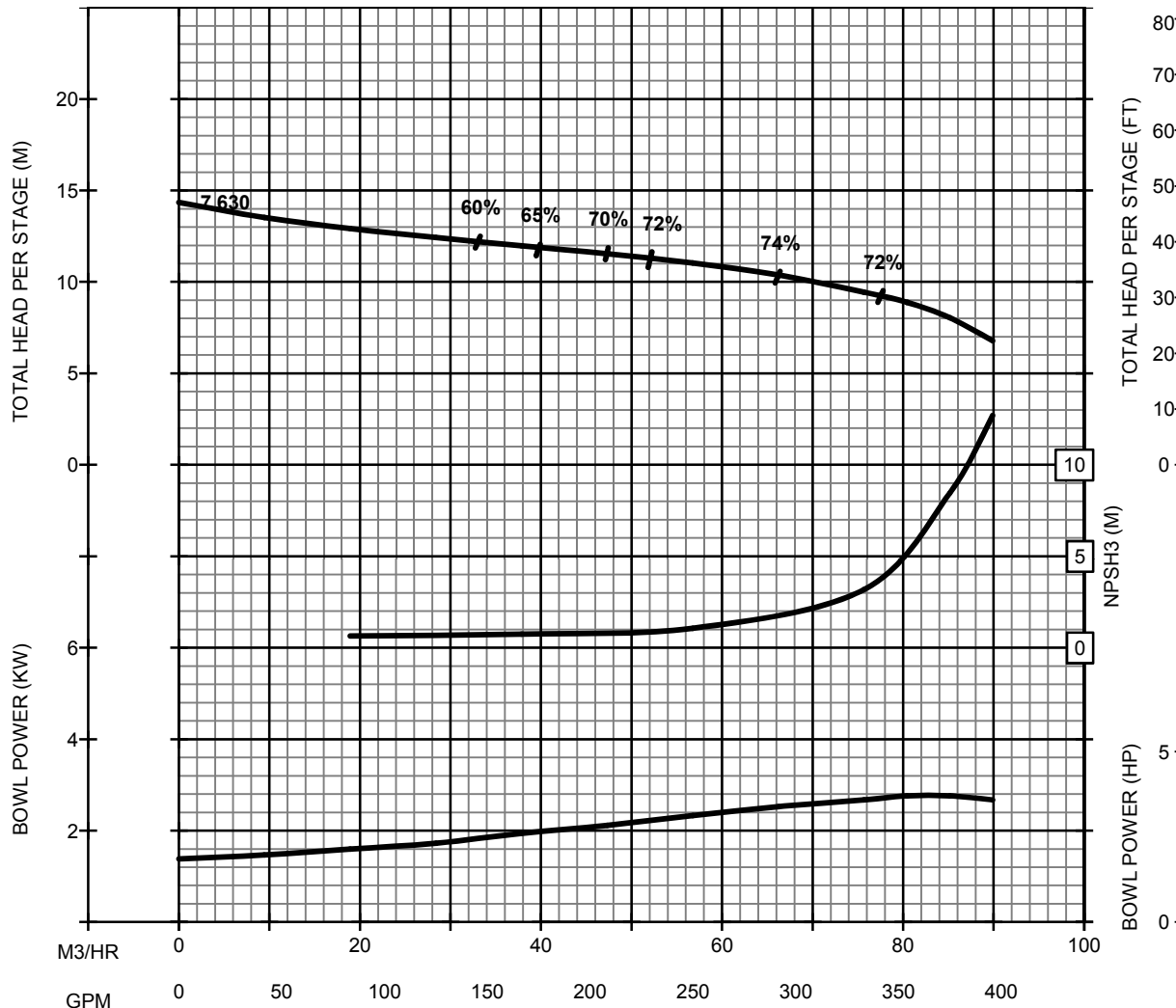


**L10HC-S**  
1475 RPM

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

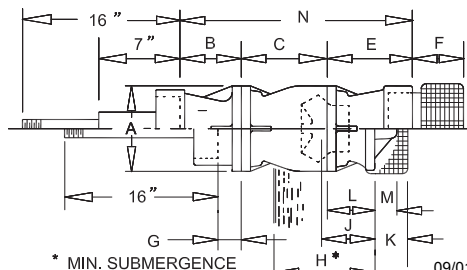
PUMP DATA

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 <sup>2</sup> :	18.66	WR <sup>2</sup> LB-FT <sup>2</sup> :	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-S4P5CY

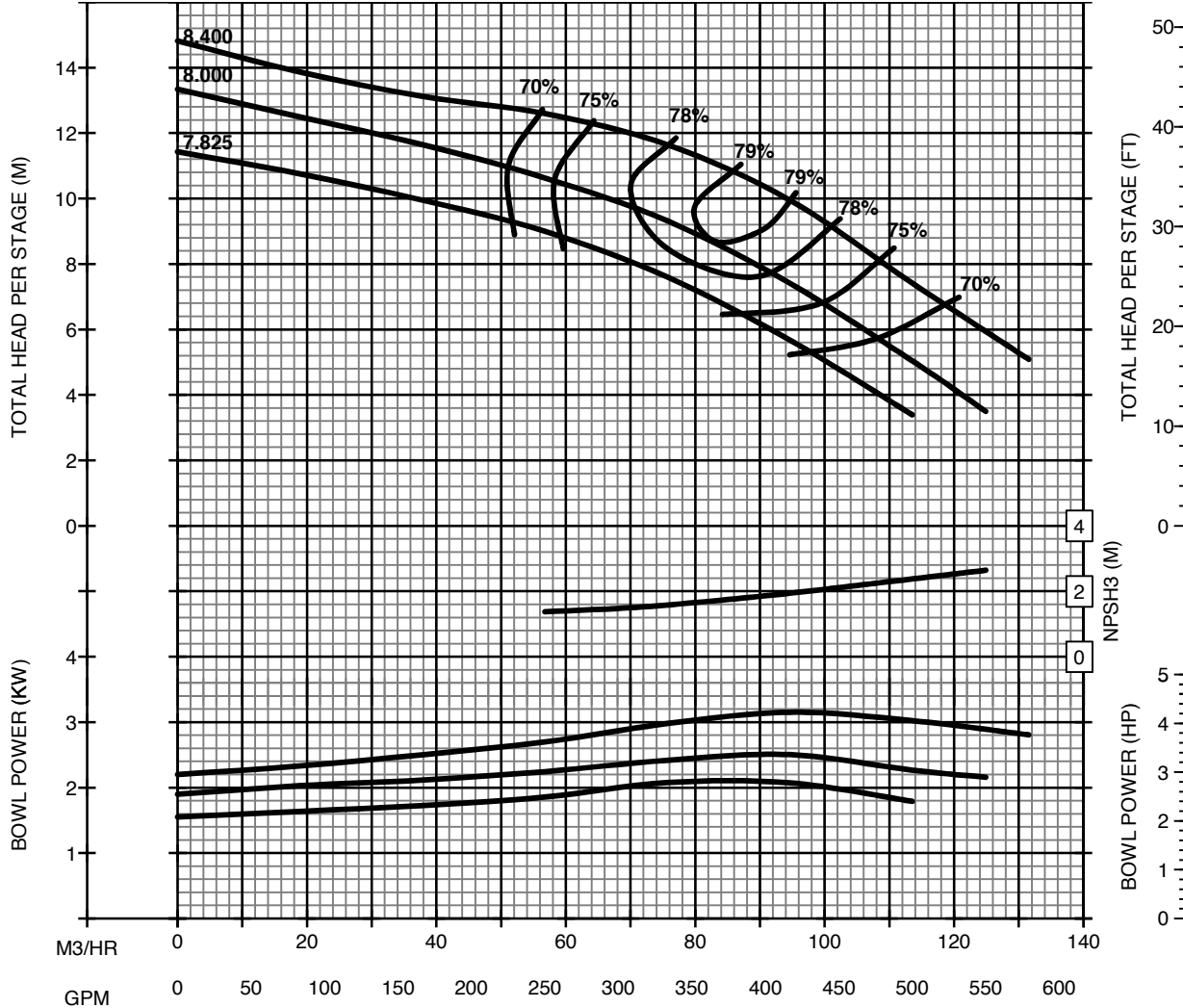
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M10LC**  
1475 RPM

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

1 STG ( ) STG

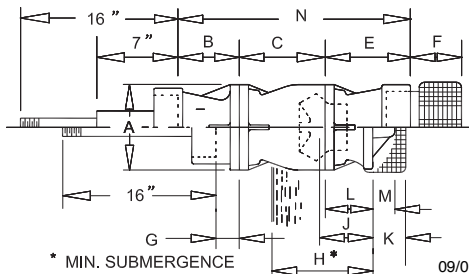


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	10.12	5.19	9.62	10.69	7.56	1.43	10.50	7.50	8.12	7.00	3.19	25.50

**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 <sup>2</sup> :	13.25	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CURVE TEMPLATE 08.05.2011

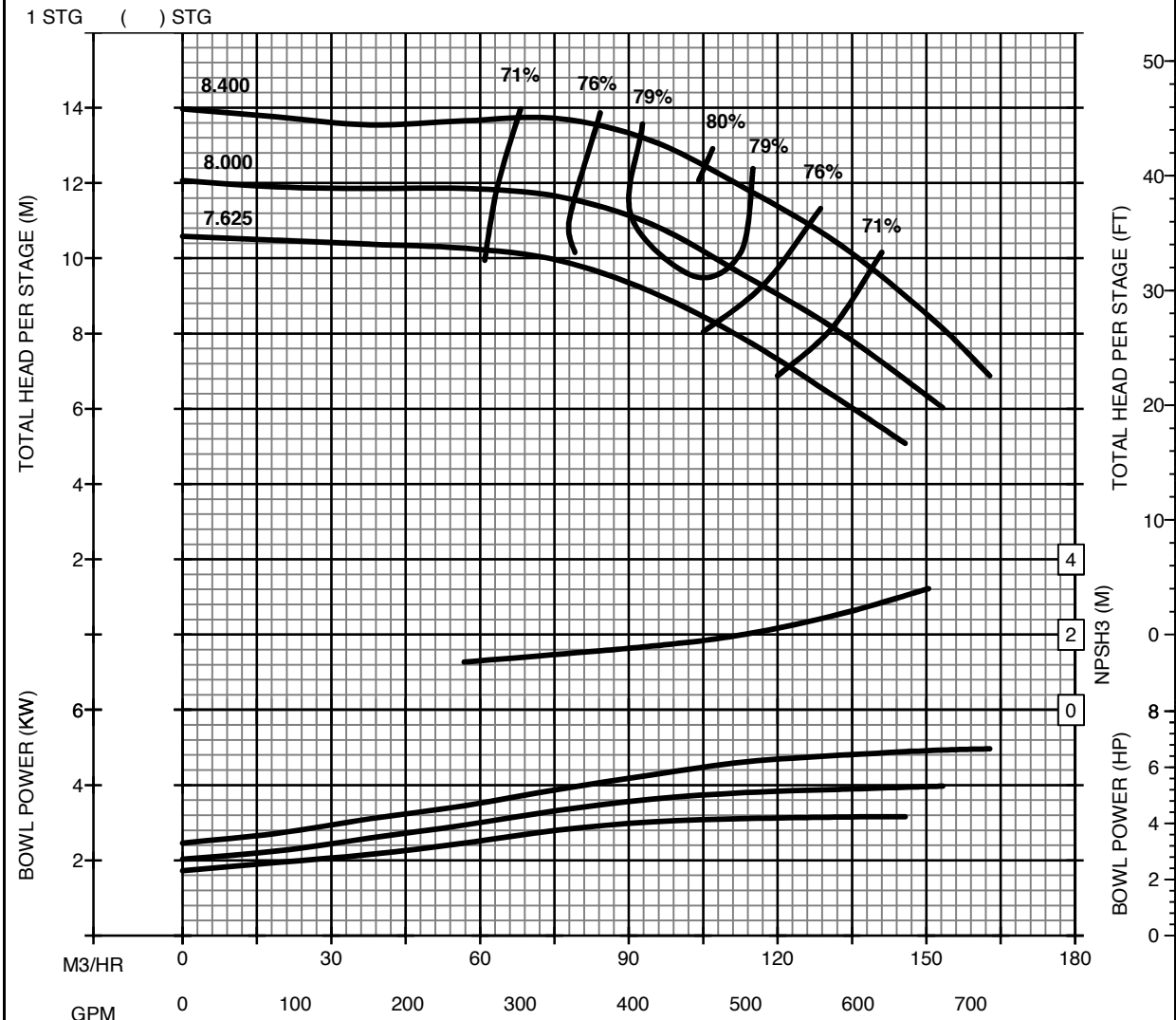
1475  
CURVES

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						

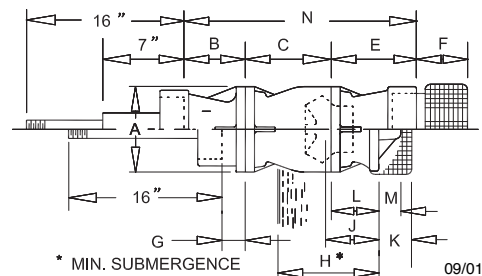


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	10.12	5.31	9.62	10.69	7.58	1.43	10.50	7.50	8.12	7.00	3.12	25.62

**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 <sup>2</sup> :	13.25	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

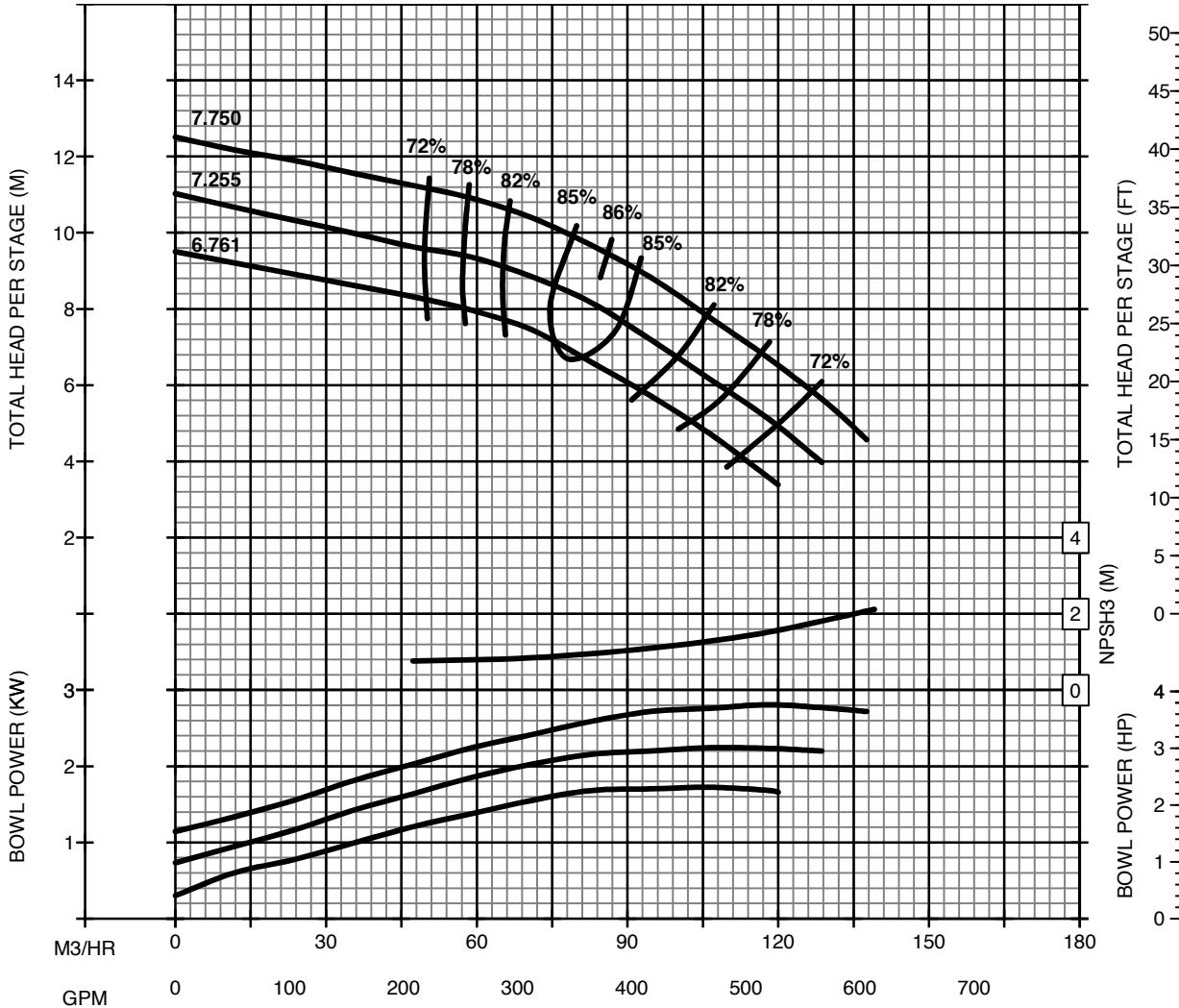
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K10LC**  
1475 RPM

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

1 STG ( ) STG

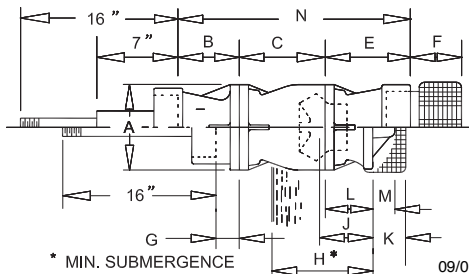


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN <sup>2</sup> :	13.8	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK10LC4P5CY

CURVE TEMPLATE 08.05.2011

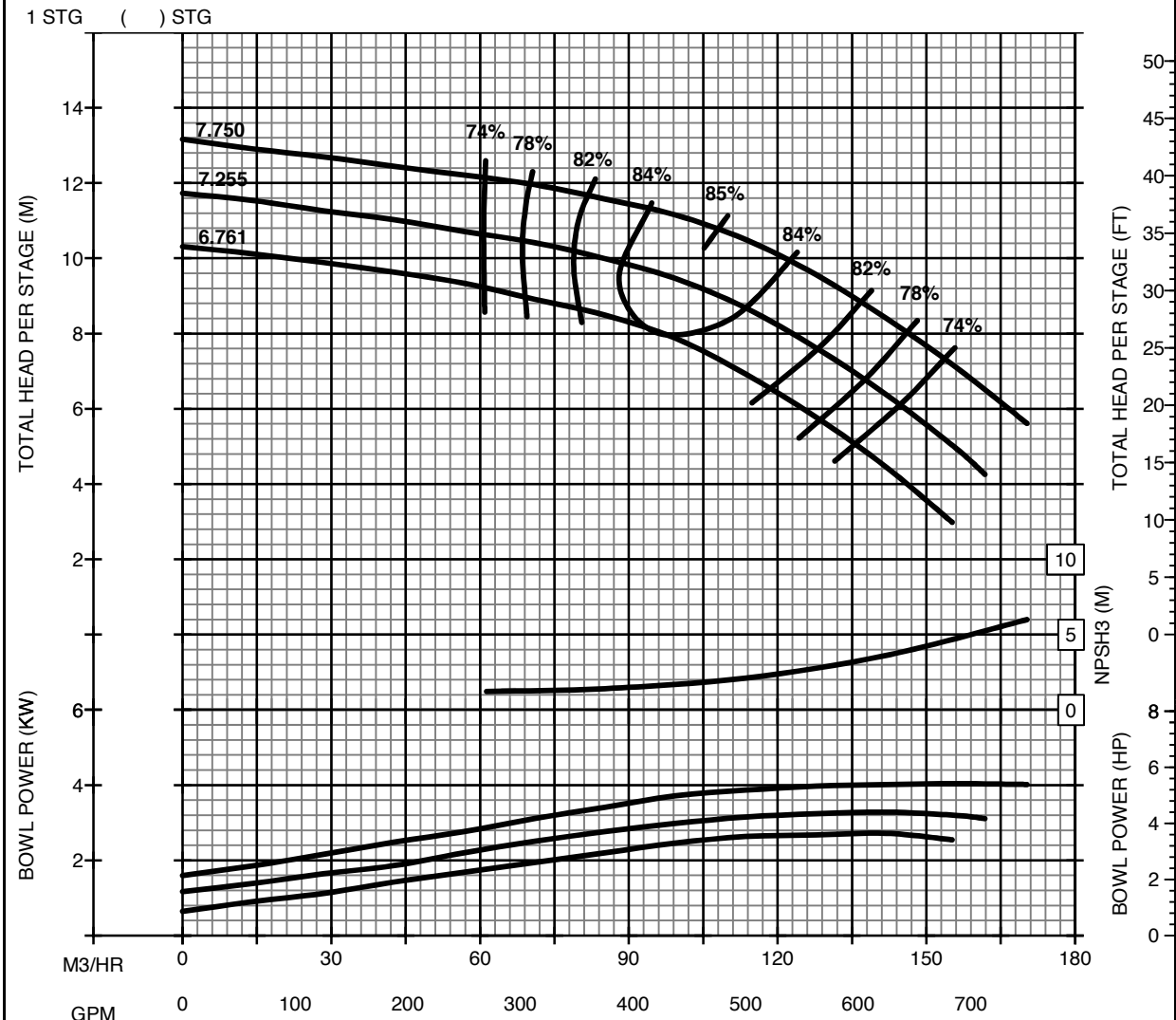
1475  
CURVES

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						

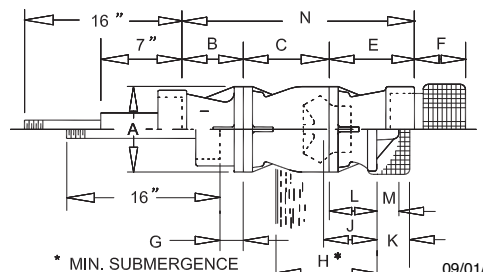


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

**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 <sup>2</sup> :	13.8	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES



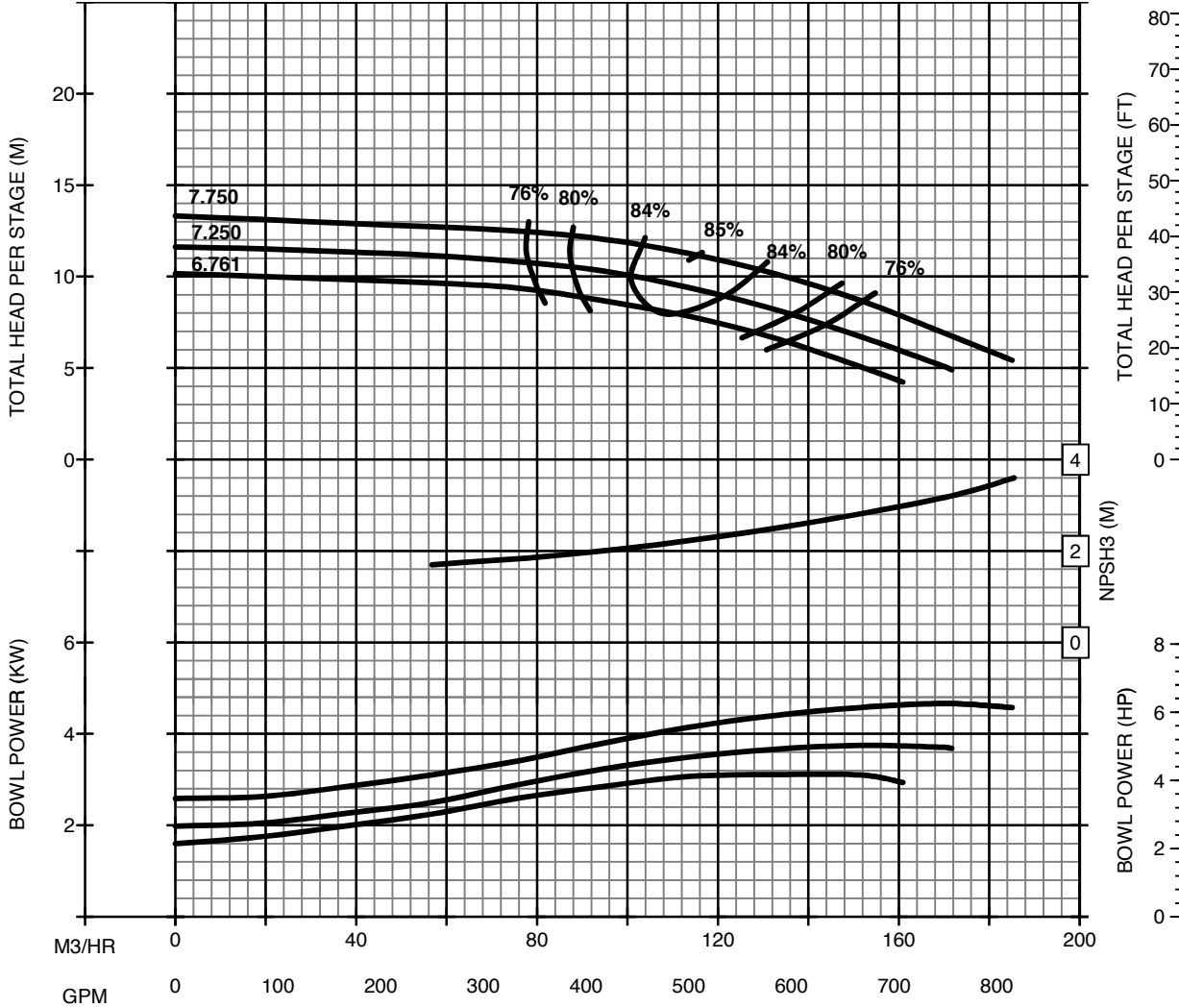
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K10HC**  
1475 RPM

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

1 STG ( ) STG

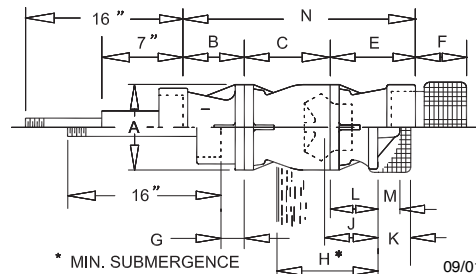


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.19	8.88	8.19	7.56	1.43	12.50	8.50	8.12	7.00	3.121	22.25

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	8"
THRUST CONSTANT:	6.8	SUCTION SIZE:	6"
LATERAL (STD):	1.0	STD. TUBE:	2.5"
EYE AREA IN <sup>2</sup> :	13.8	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK10HC4P5CY

CURVE TEMPLATE 08.05.2011

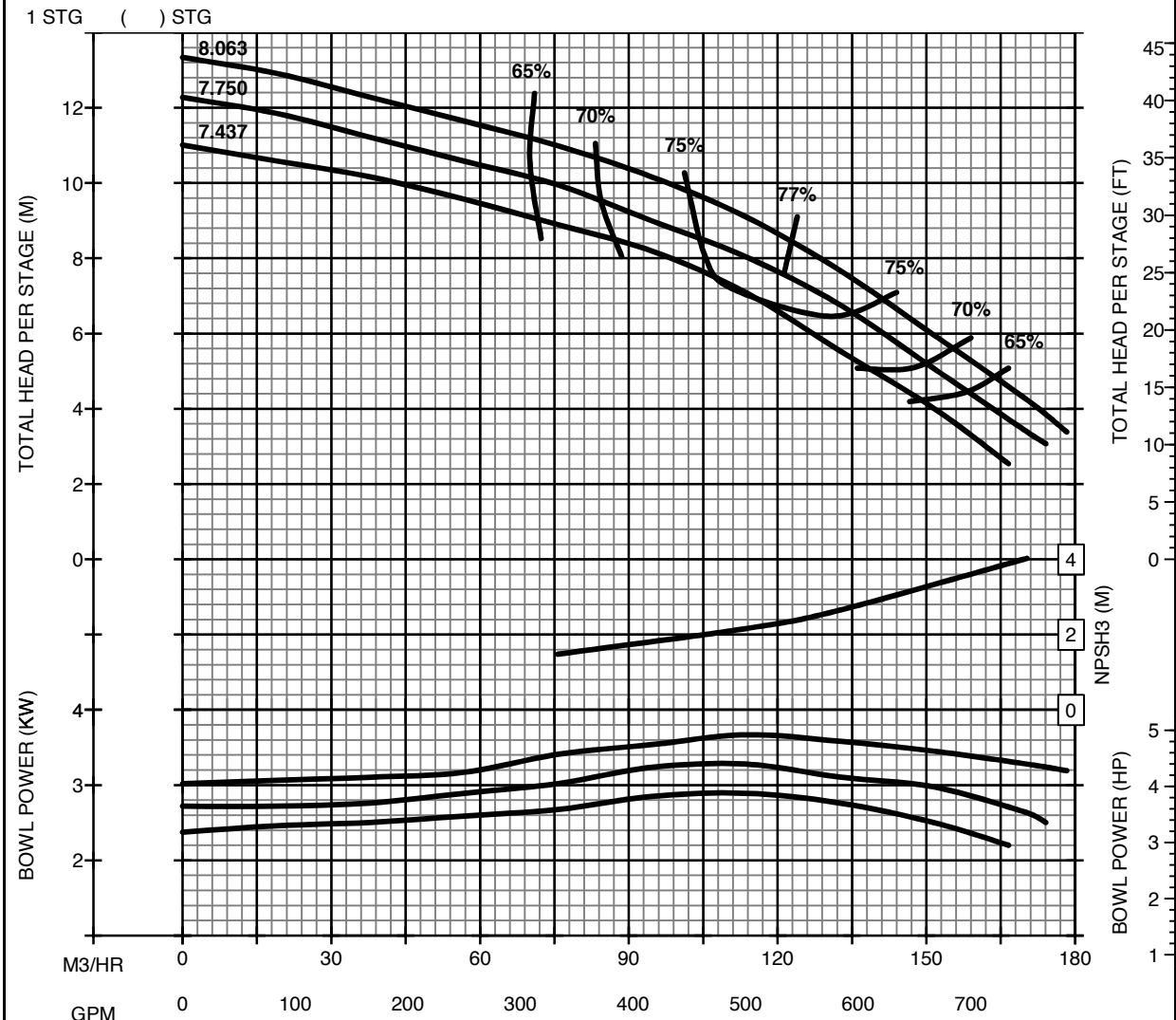
1475  
CURVES

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						

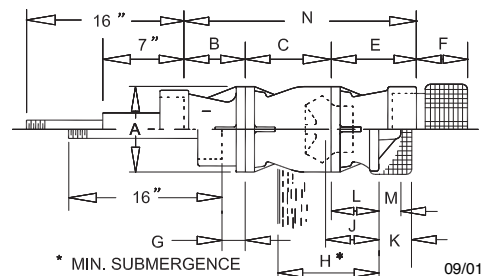


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.31	9.62	8.19	7.56	1.43	12.50	8.50	N/A	N/A	N/A	23.12

**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 <sup>2</sup> :	16.89	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVH10MC4P5CY

1475  
CURVES

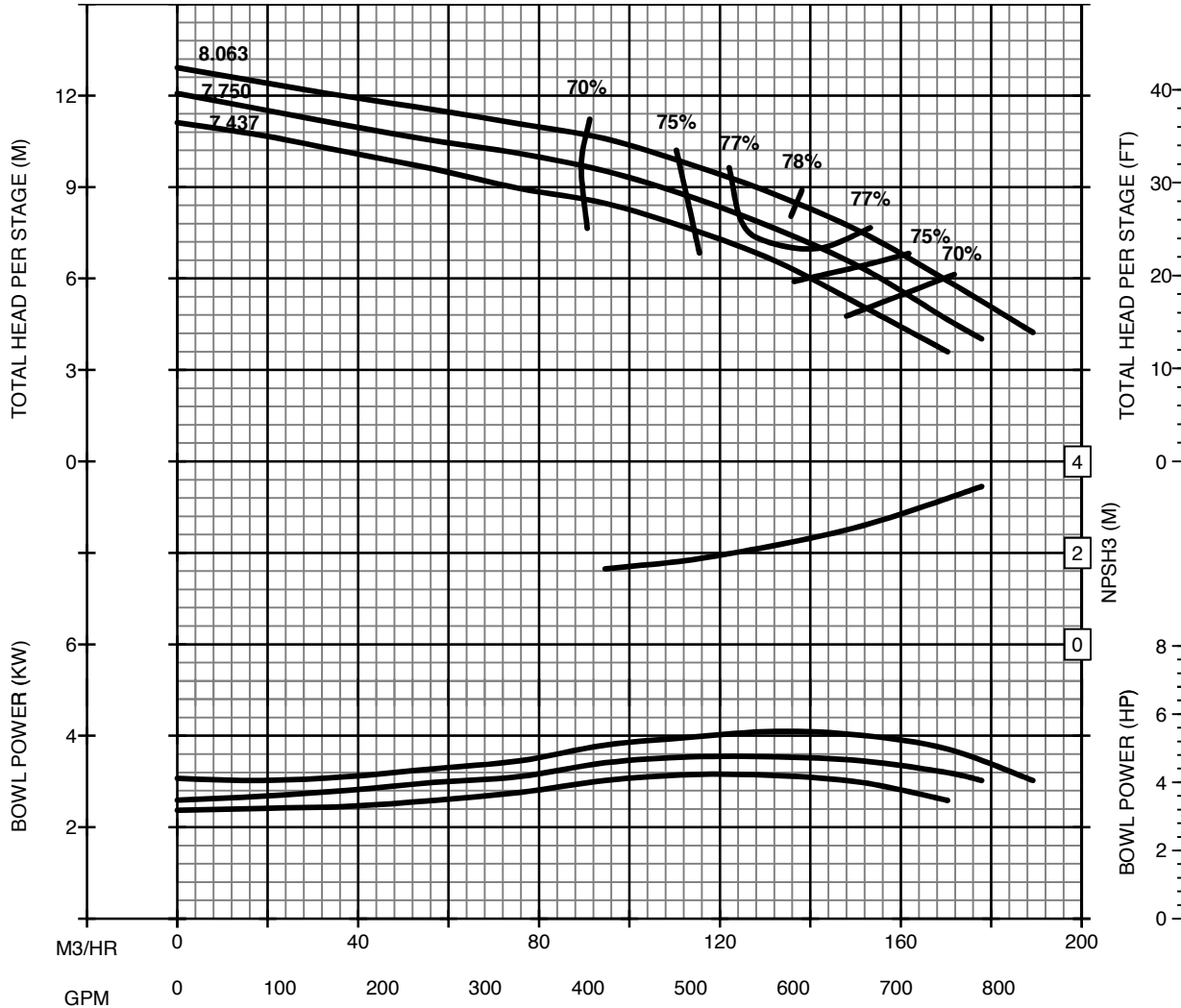
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H10HC**  
1475 RPM

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

1 STG ( ) STG

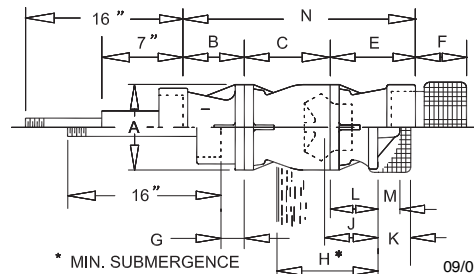


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	5.31	9.62	8.19	7.56	1.43	12.50	8.50	N/A	N/A	N/A	23.12

**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 <sup>2</sup> :	16.89	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CURVE TEMPLATE 08.05.2011

1475  
CURVES



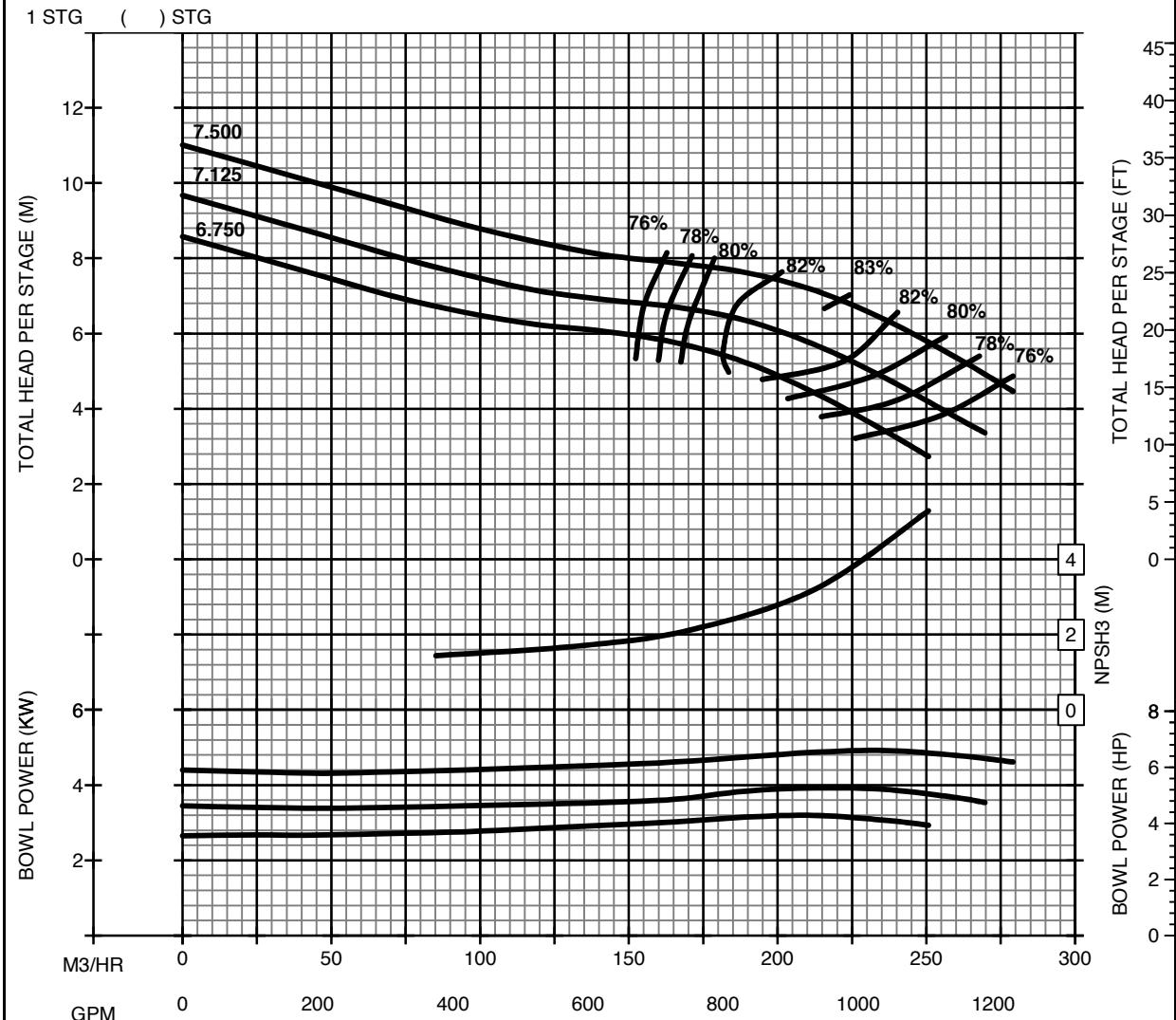


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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					

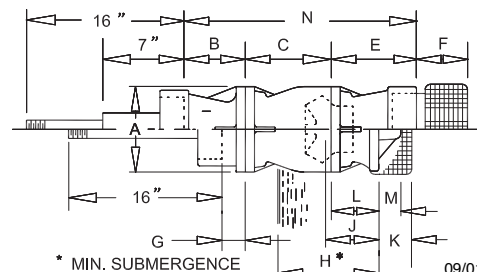


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.63	5.31	9.75	8.19	7.56	1.43	20.00	8.50	N/A	N/A	N/A	23.25

**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 <sup>2</sup> :	21.8	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVJ10HC4P5CY

1475  
CURVES

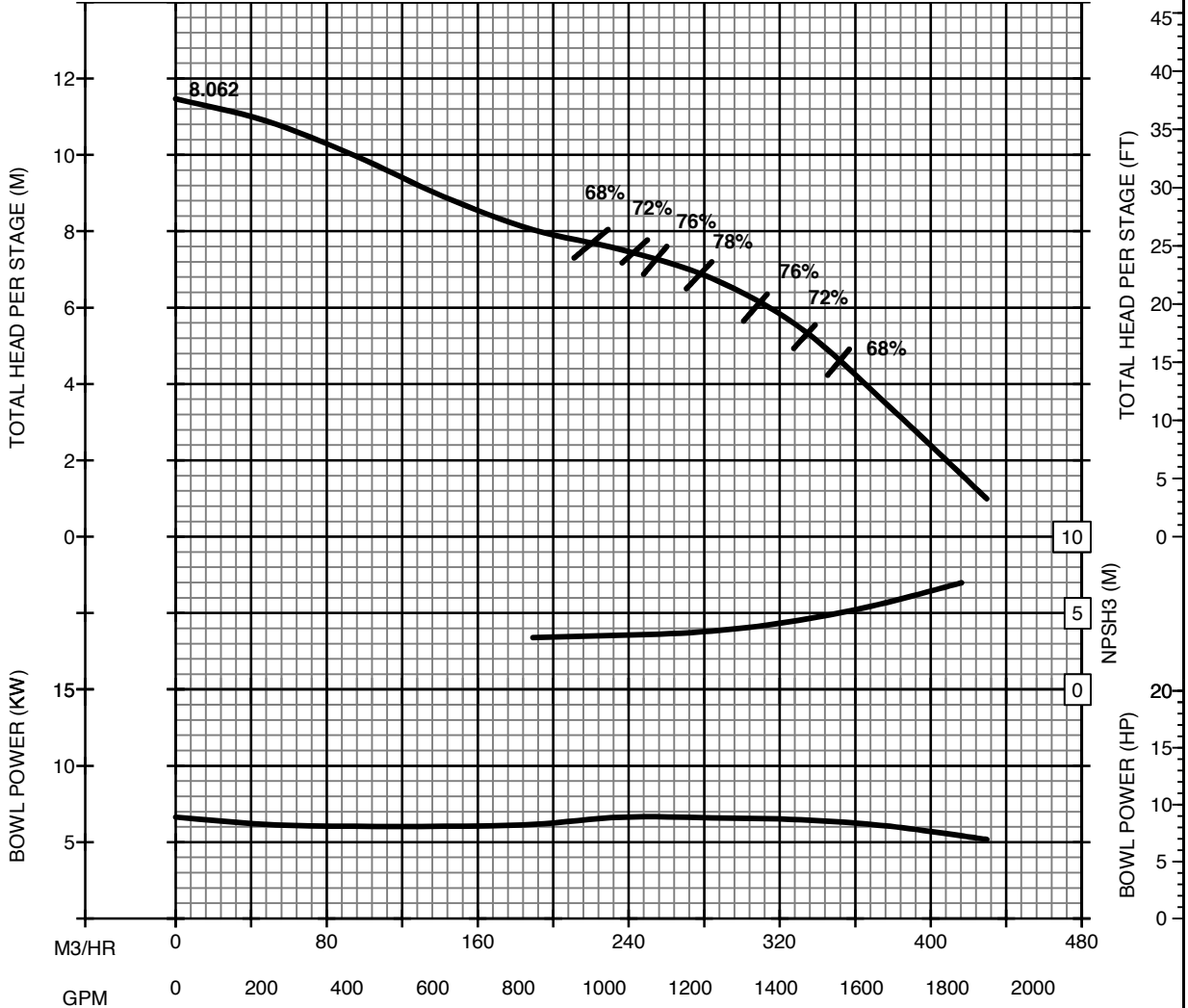
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E10HC**  
1475 RPM

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

1 STG ( ) STG

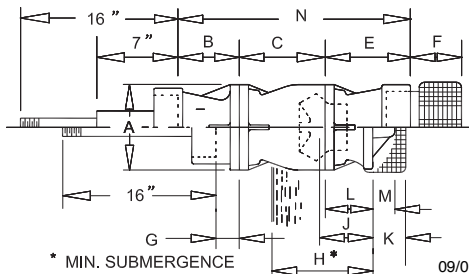


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	6.50	9.62	8.19	9.44	1.43	22.00	10.62	N/A	N/A	N/A	24.31

**PUMP DATA**

IMPELLER:	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 <sup>2</sup> :	26.50	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE10HC4P5CY

CURVE TEMPLATE 08.05.2011

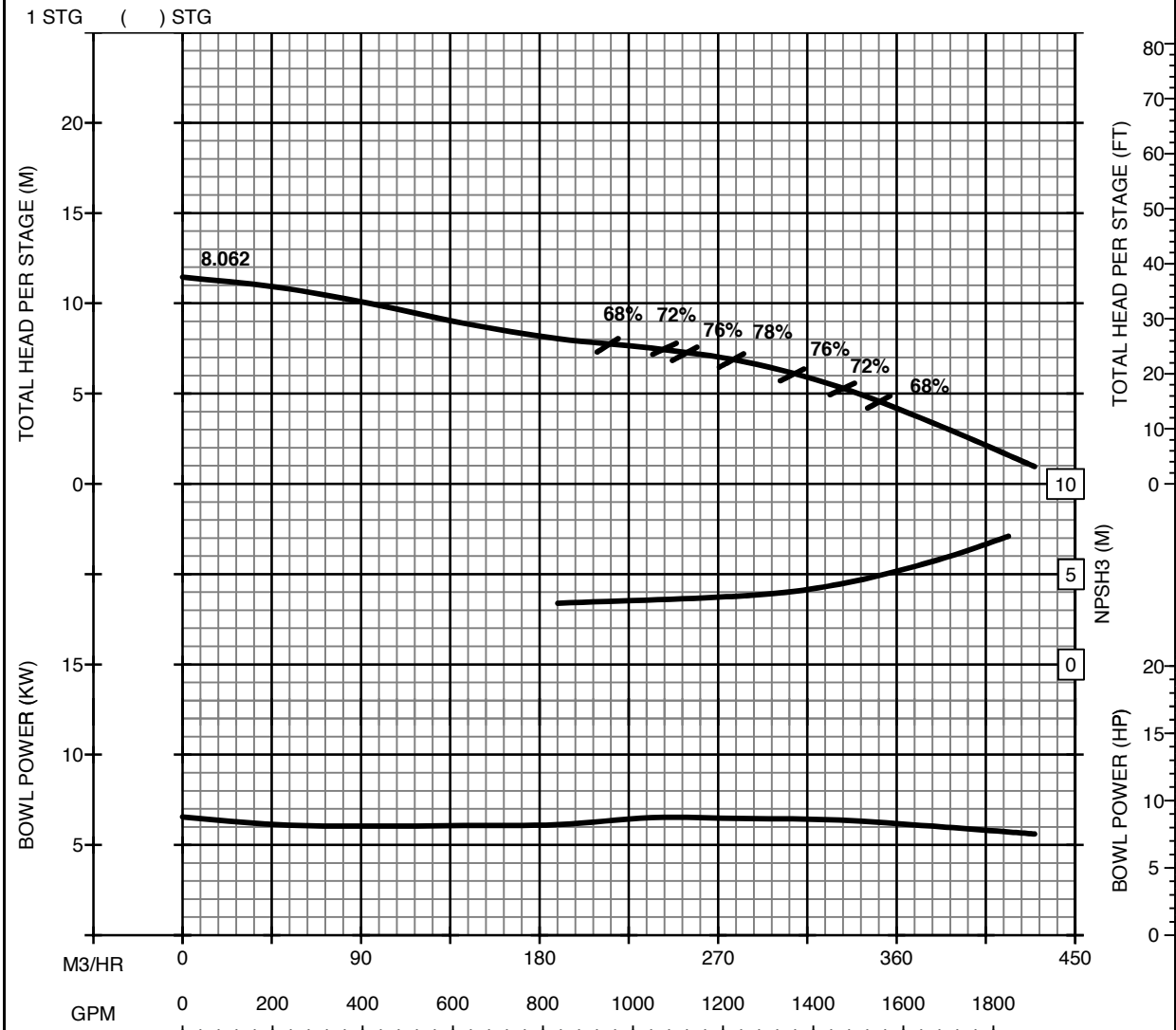
1475  
CURVES

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					

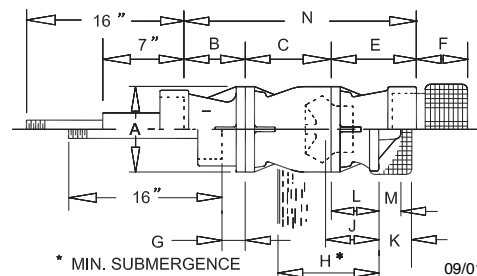


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	9.75	6.50	9.62	8.19	9.44	1.43	22.00	10.62	N/A	N/A	N/A	24.31

**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 <sup>2</sup> :	26.50	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



\* MIN. SUBMERGENCE

09/01/2011

CVE10HO4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



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



**J11LC**  
1475 RPM

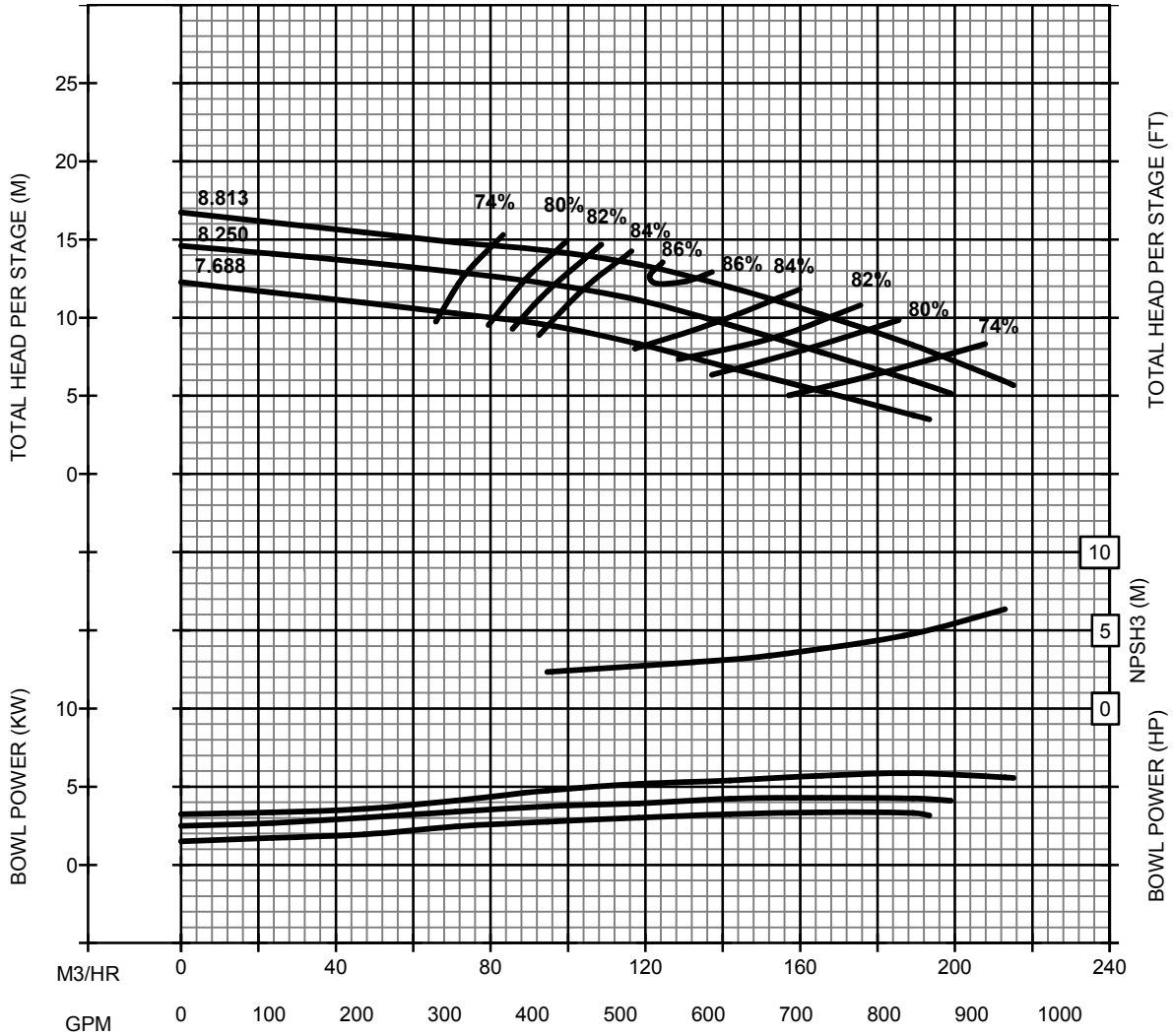
CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES  
NUMBER OF POINTS

1	3	4	
-4	-1	0	

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

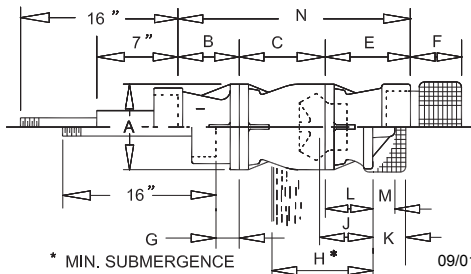


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	10.06	7.25	3.75	26.69

**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 <sup>2</sup> :	15.9	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVJ11LC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

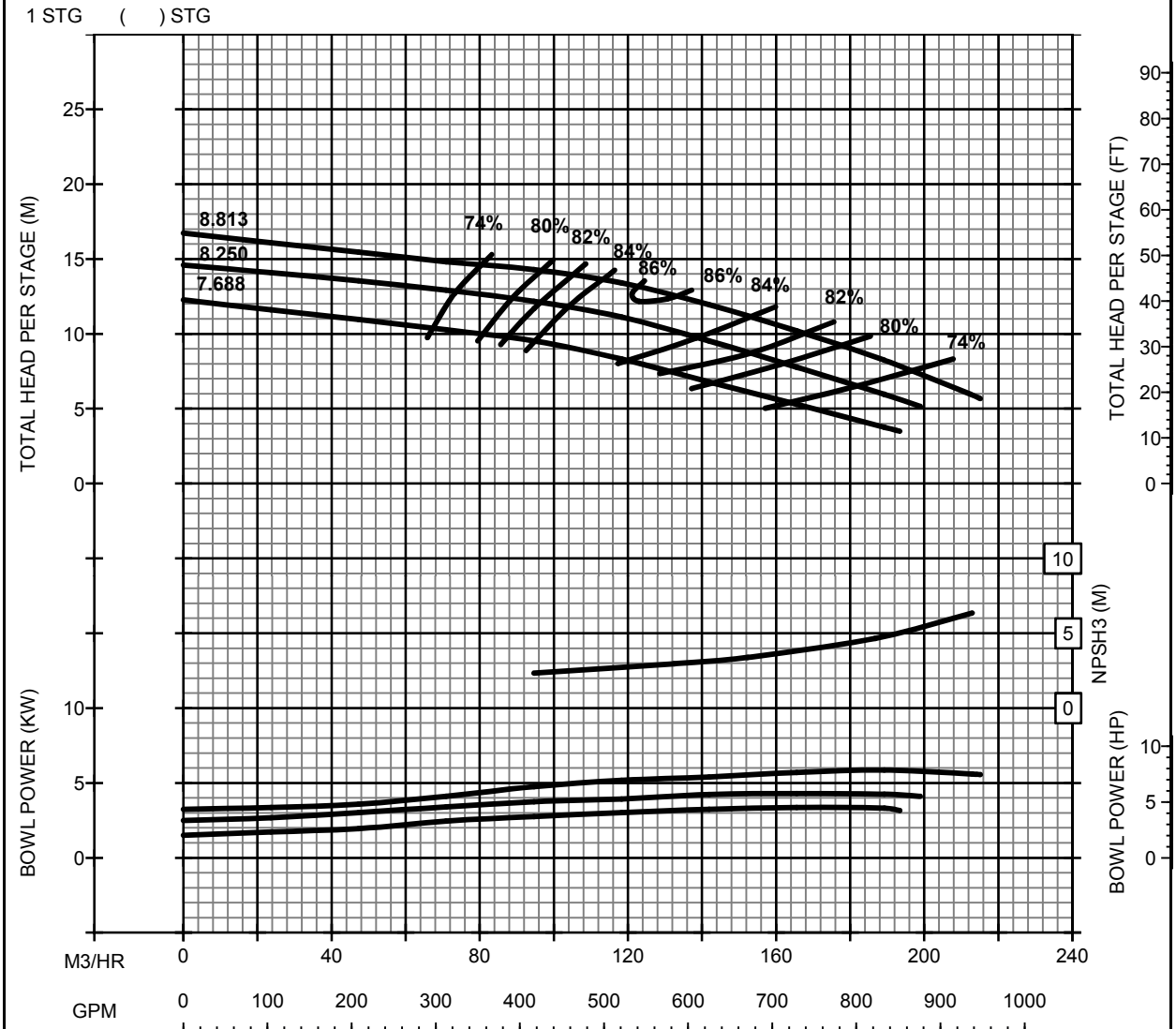


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**J11LO**  
1475 RPM

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

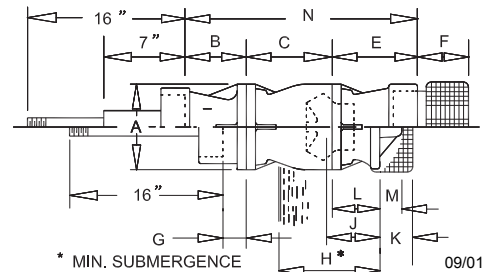


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	N/A	N/A	N/A	26.69

**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 <sup>2</sup> :	15.9	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVJ11LO4P5CY

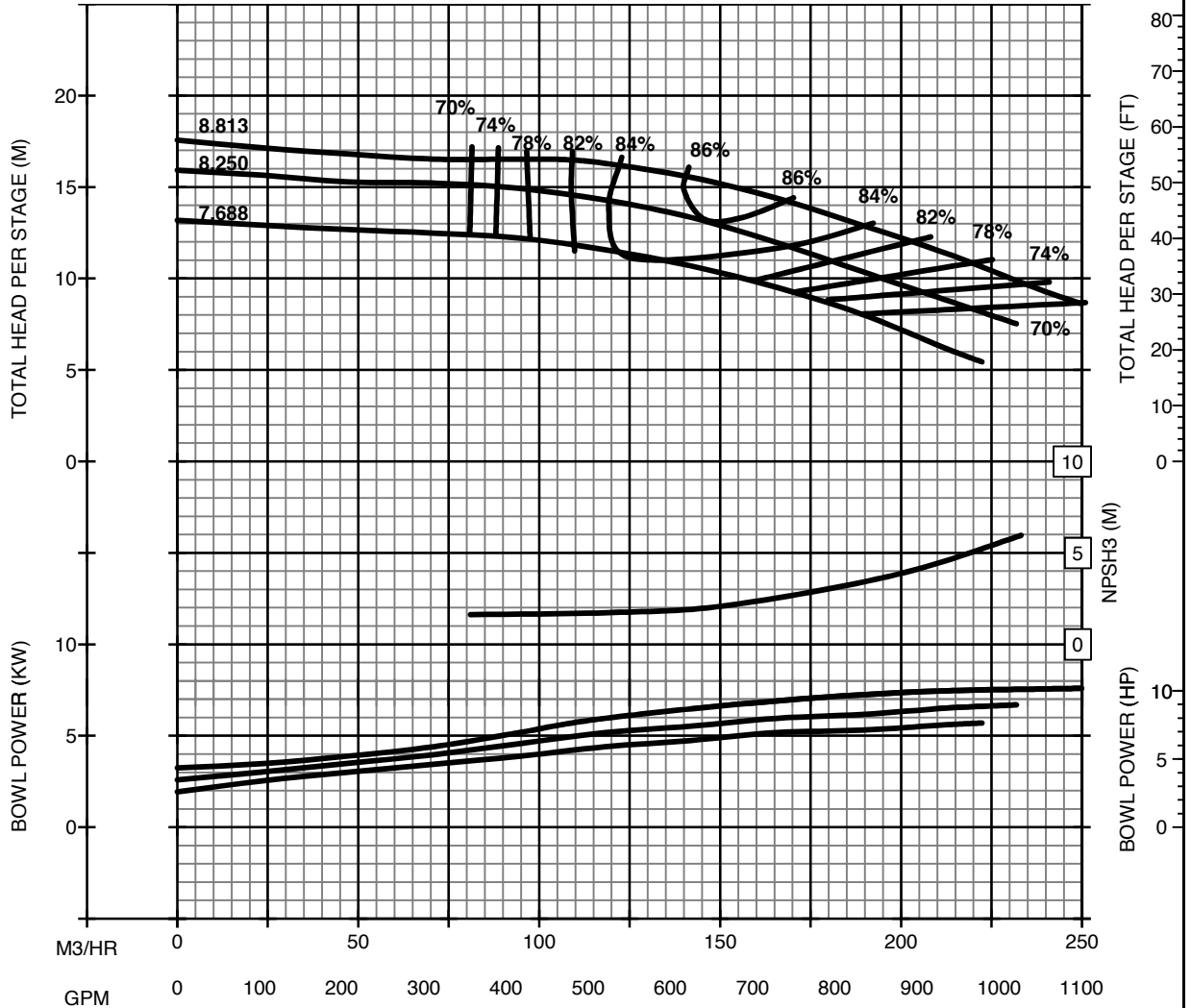
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**J11MC**  
1475 RPM

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

1 STG ( ) STG

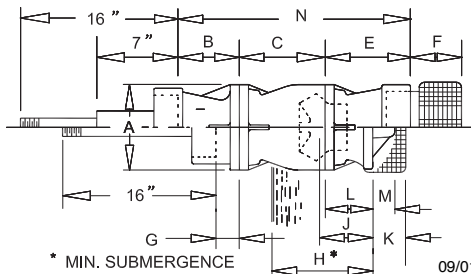


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	10.06	7.25	3.75	26.69

**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 <sup>2</sup> :	15.9	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVJ11MC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



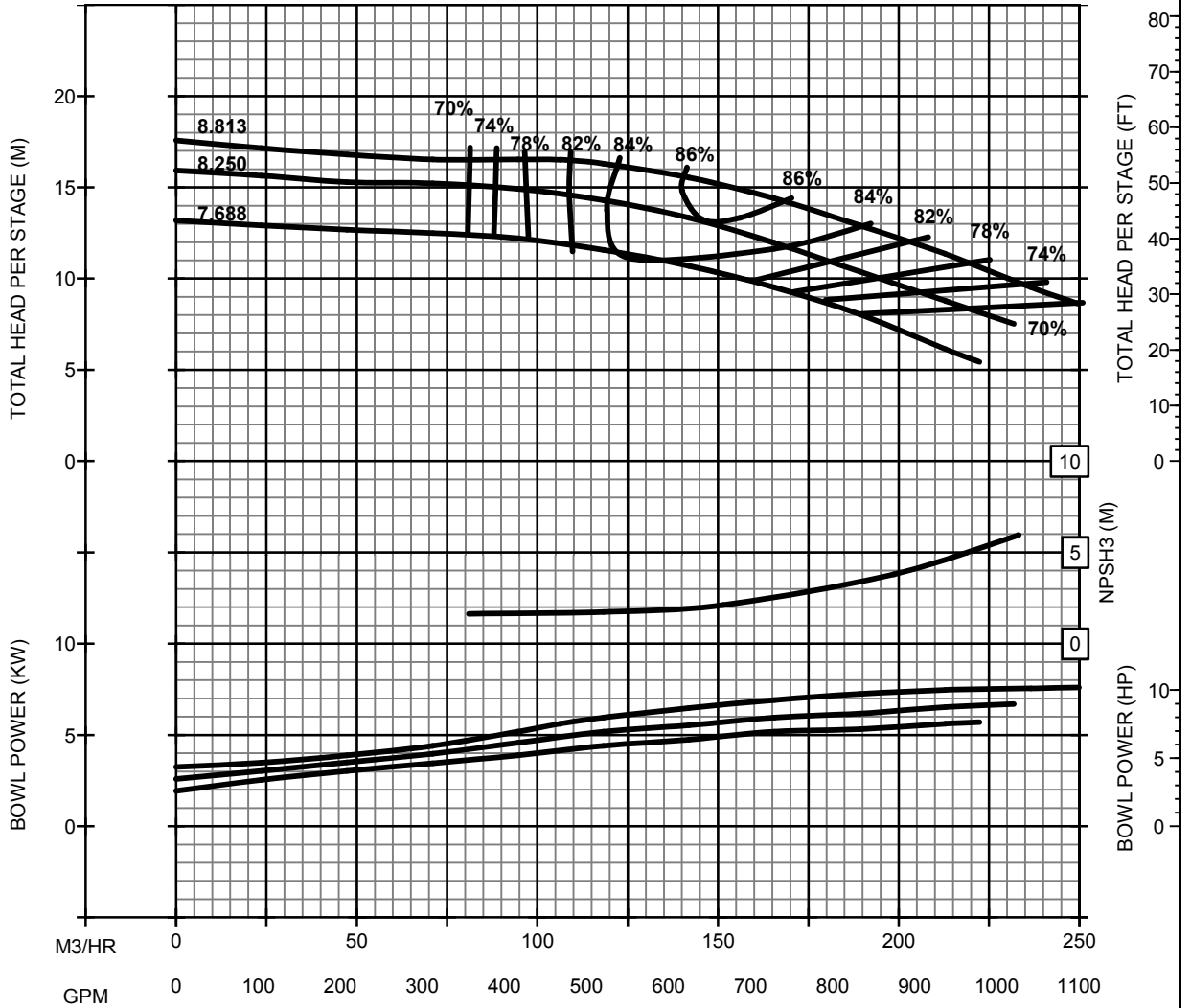
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**J11MO**  
1475 RPM

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

1 STG ( ) STG

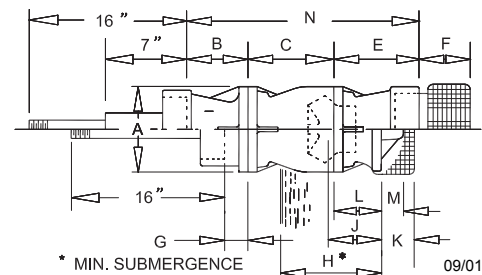


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	N/A	N/A	N/A	26.69

**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 <sup>2</sup> :	15.9	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVJ11MO4P5CY

CURVE TEMPLATE 08.05.2011



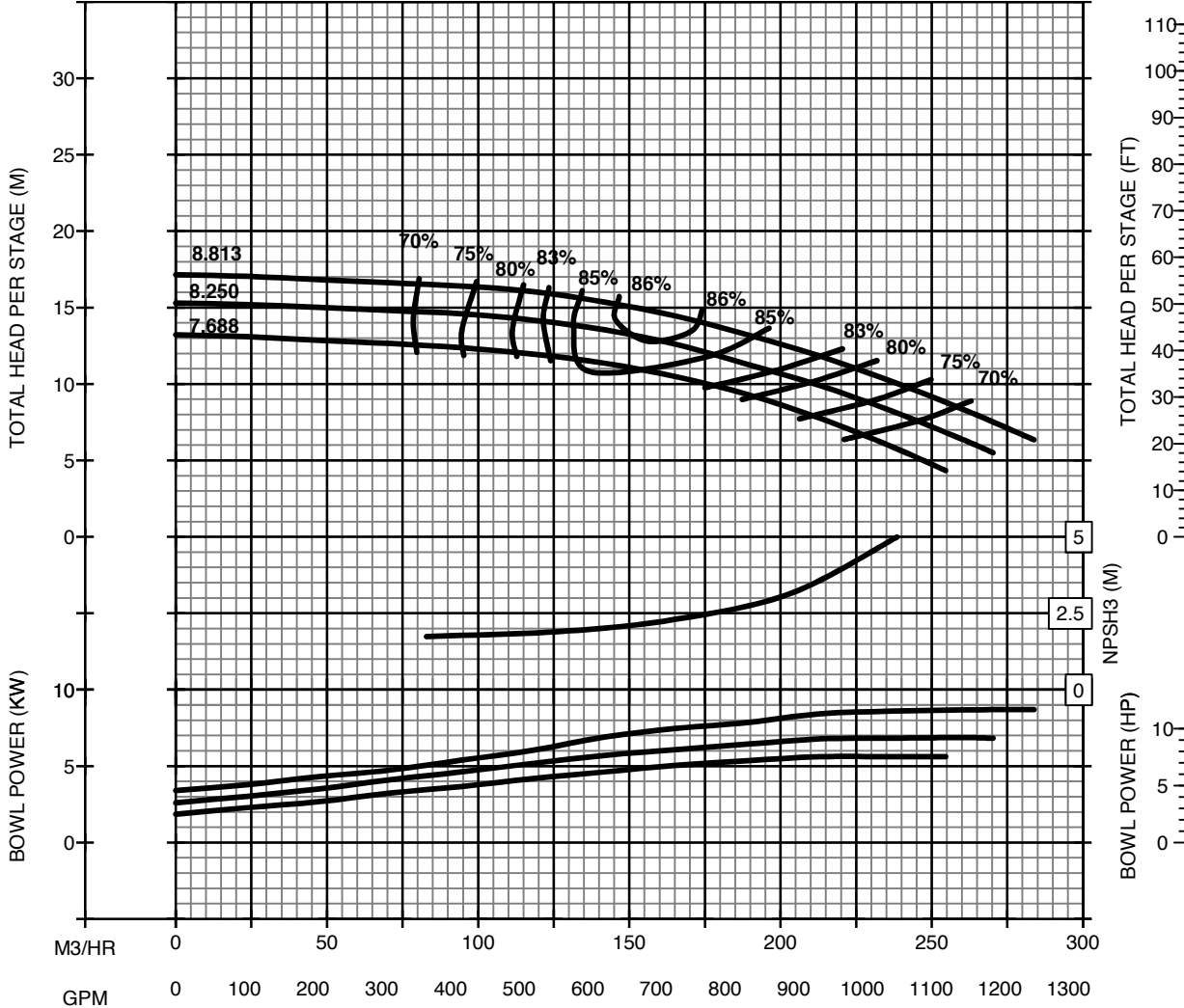
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**J11HC**  
1475 RPM

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

1 STG ( ) STG

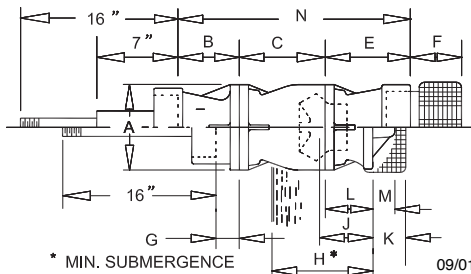


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	10.06	7.25	3.75	26.69

**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 <sup>2</sup> :	15.9	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES





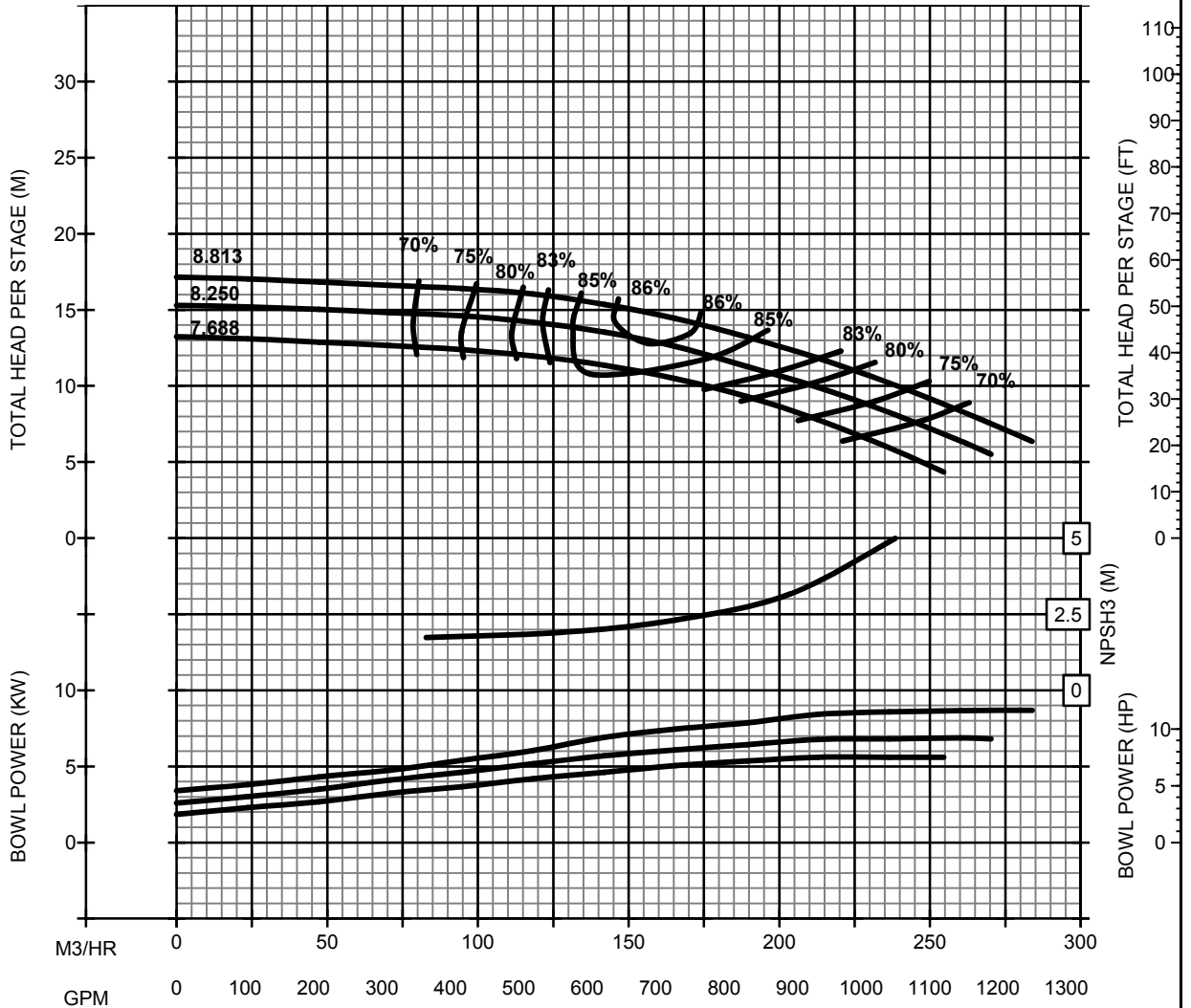
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**J11HO**  
1475 RPM

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

1 STG ( ) STG

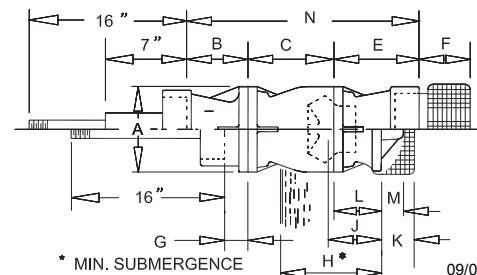


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.13	6.81	9.88	10.00	9.44	1.56	24"	10.75	N/A	N/A	N/A	26.69

**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 <sup>2</sup> :	15.9	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVJ11HO4P5CY

CURVE TEMPLATE 08.05.2011



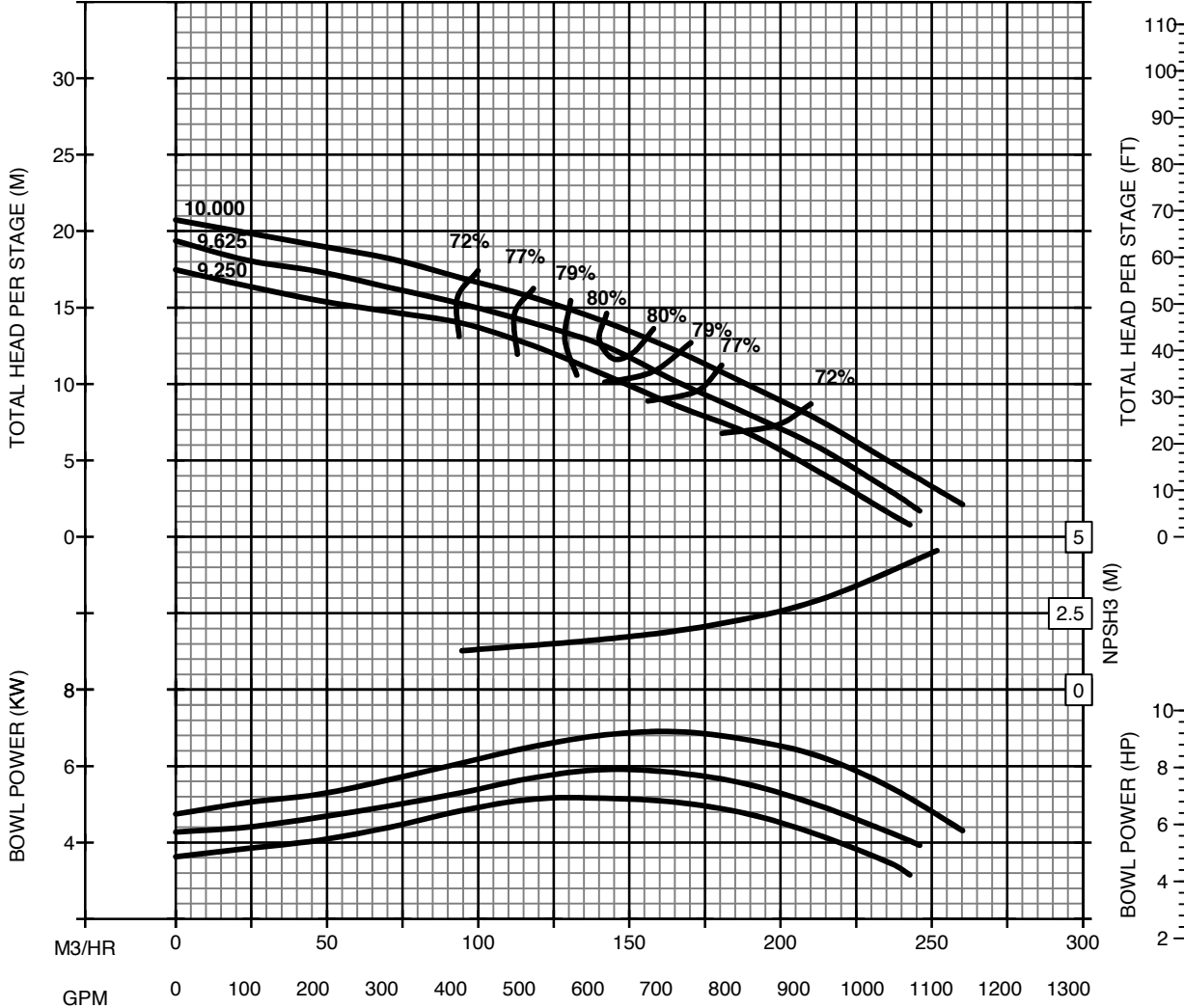
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M12LC**  
1475 RPM

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

1 STG ( ) STG

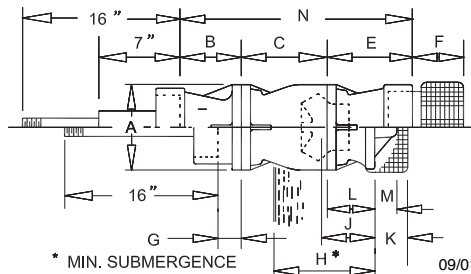


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	12.12	6.94	11.31	11.38	9.44	1.56	21.00	8.00	10.06	7.25	3.75	29.63

**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 <sup>2</sup> :	18.39	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVM12LC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

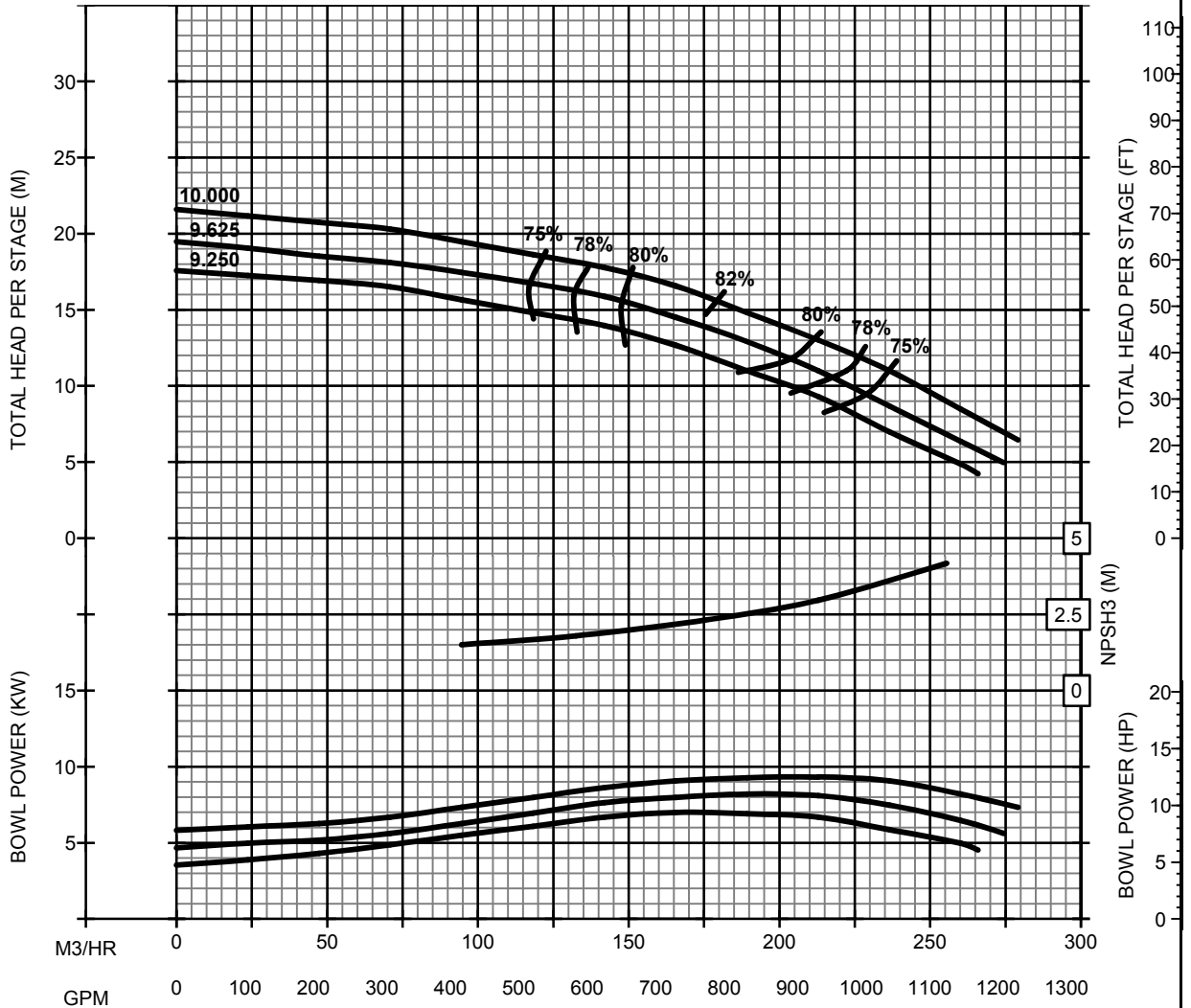
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M12MC**  
1475 RPM

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

1 STG ( ) STG

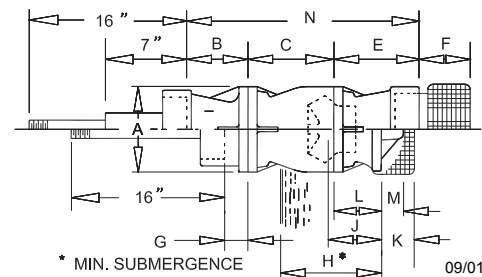


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	12.12	6.94	11.31	11.38	9.44	1.56	21.00	8.00	10.06	7.25	3.75	29.63

**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 <sup>2</sup> :	18.39	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011  
CVM12MC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



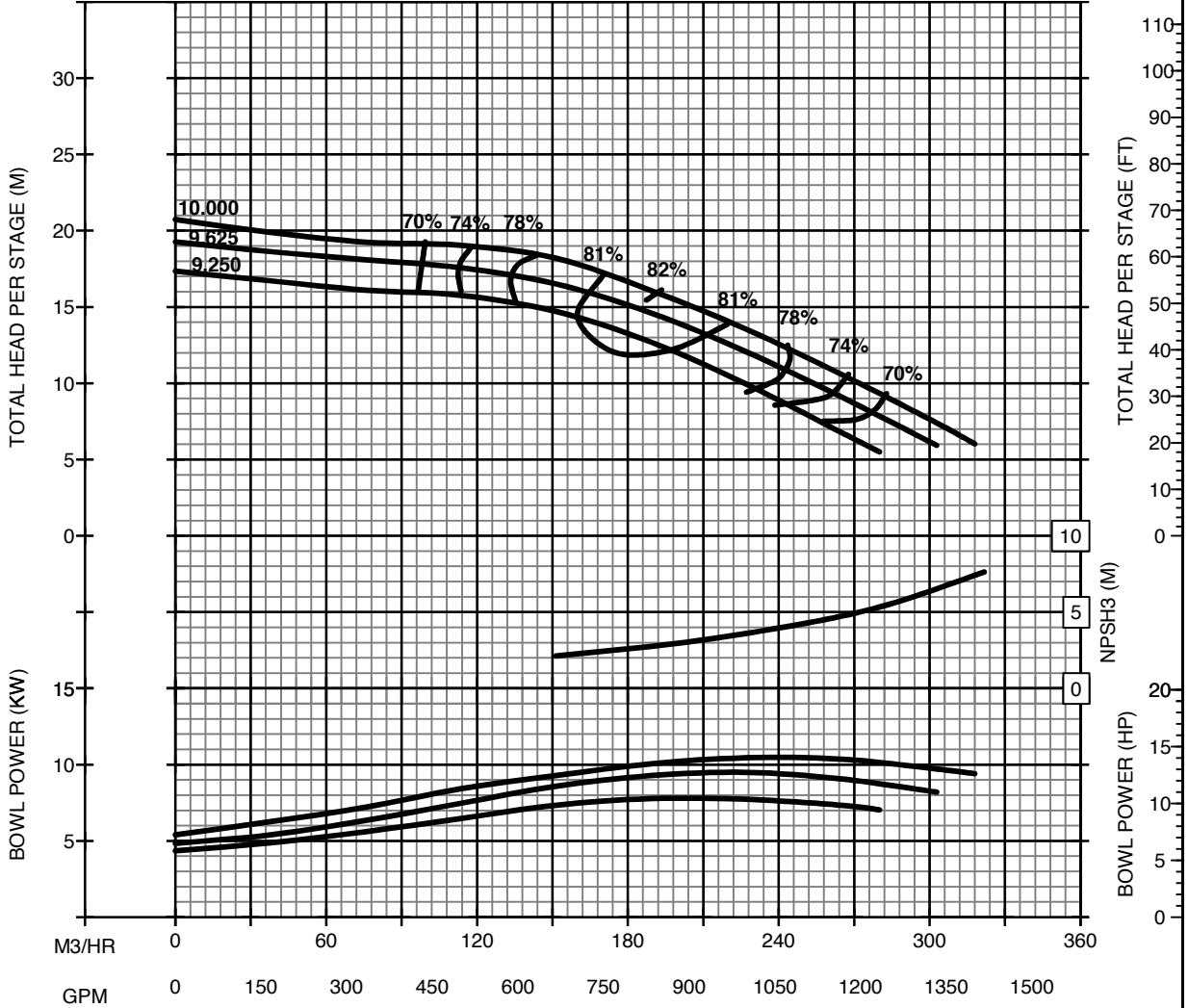
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M12HC**  
1475 RPM

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

1 STG ( ) STG

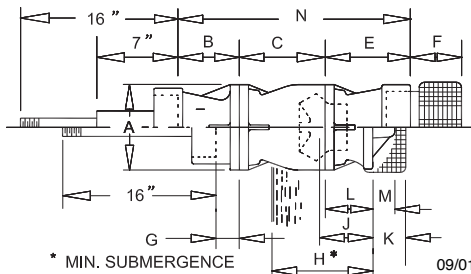


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	12.12	6.94	11.31	11.38	9.44	1.56	21.00	8.00	10.06	7.25	3.75	29.63

**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 <sup>2</sup> :	18.39	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

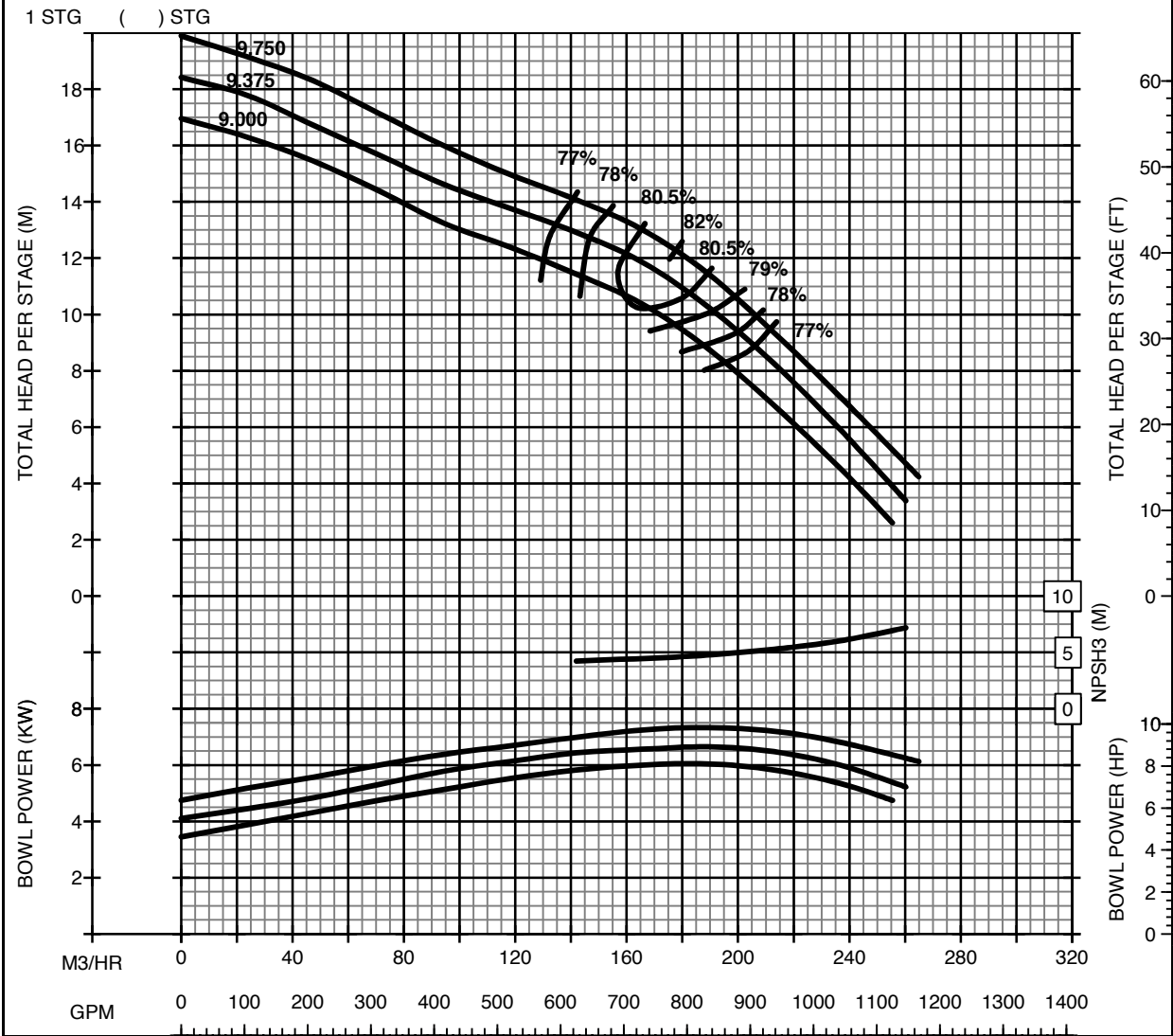


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**E12LC**  
1475 RPM

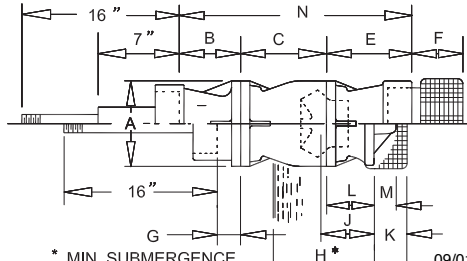
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



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 <sup>2</sup> :	14.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES



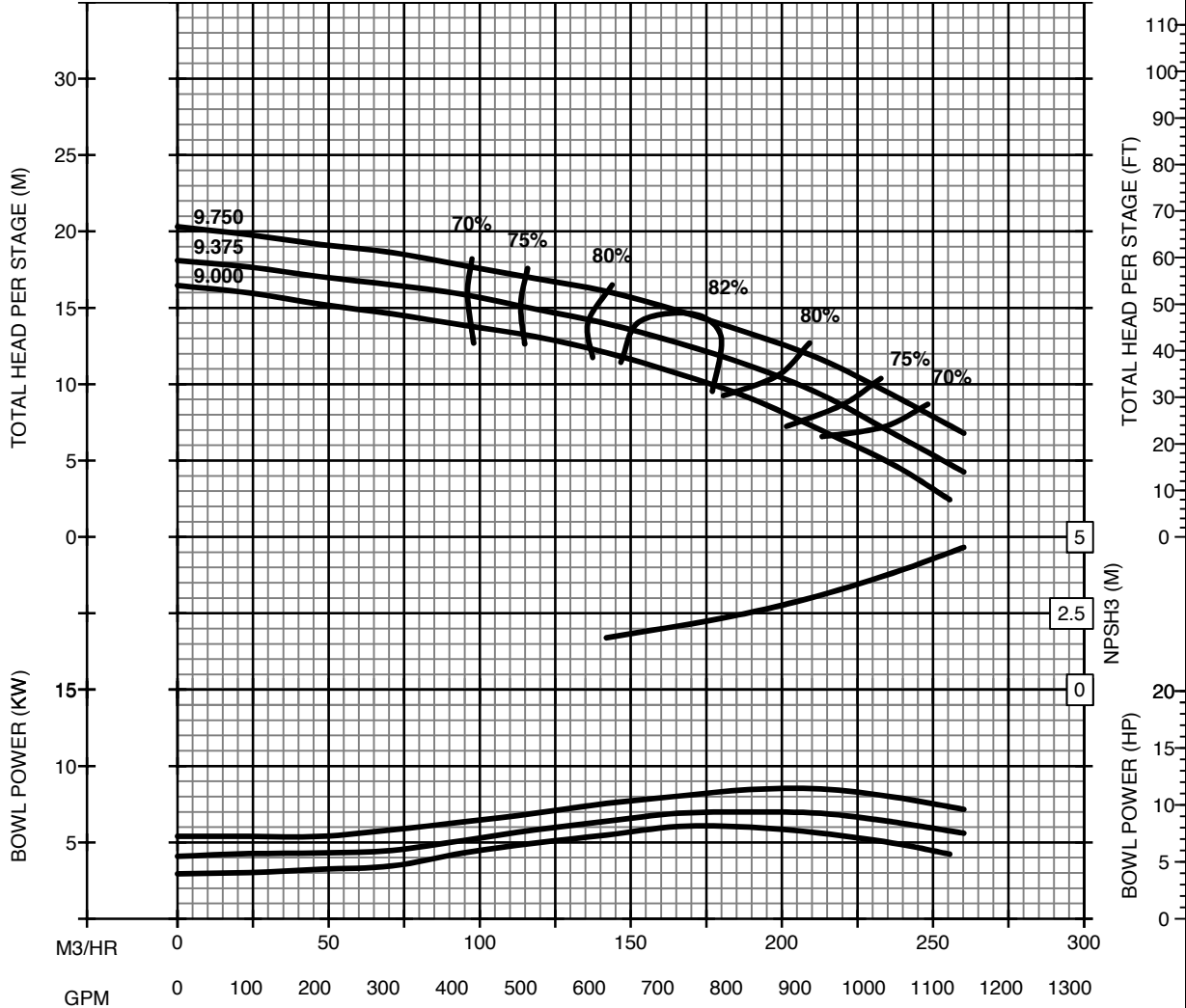
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E12XMC**  
1475 RPM

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

1 STG ( ) STG

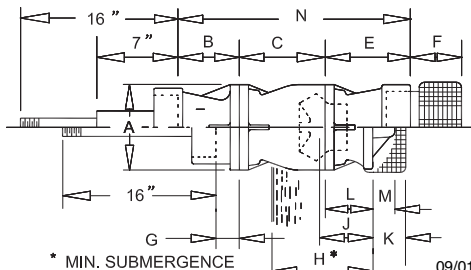


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

**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 <sup>2</sup> :	18.39	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



\* MIN. SUBMERGENCE

09/01/2011

CVE12XMC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

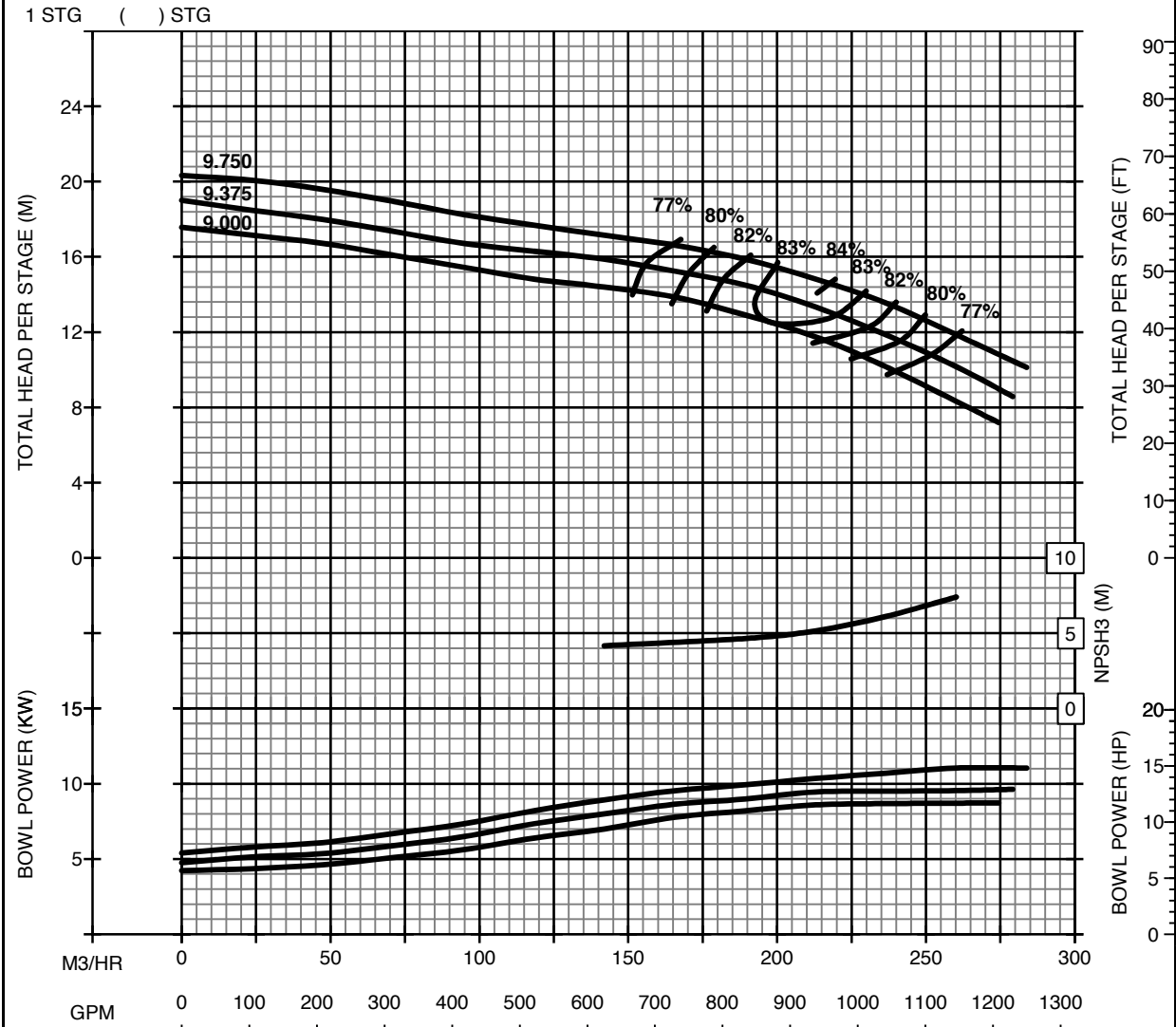


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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						

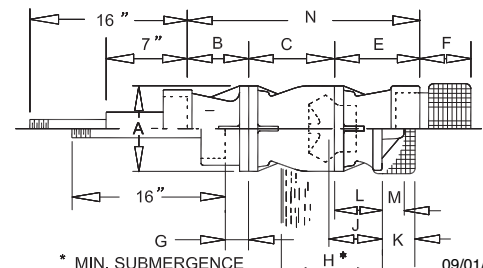


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

**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 <sup>2</sup> :	14.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE12MC4P5CY

1475  
CURVES

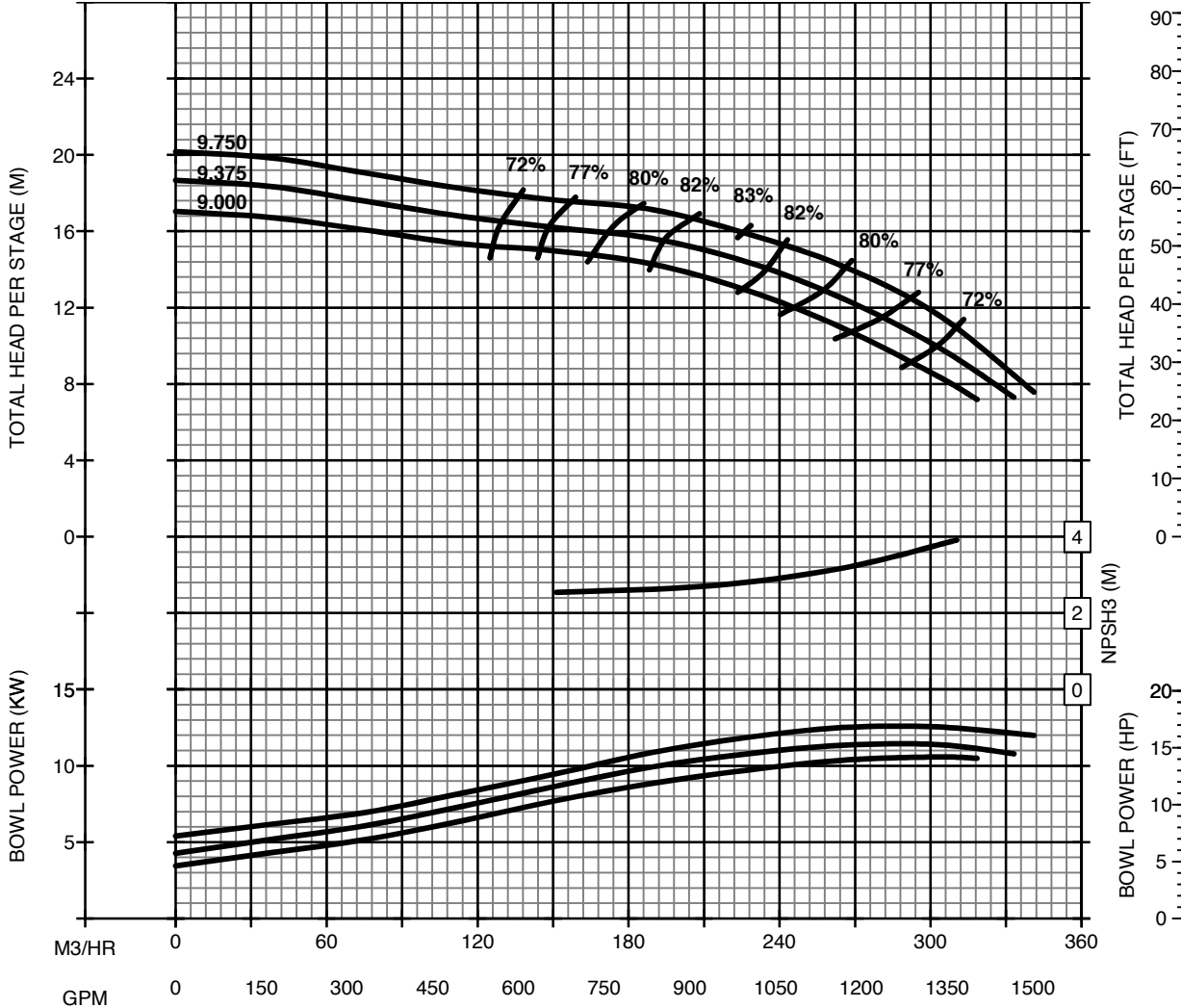
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E12HC**  
1475 RPM

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

1 STG ( ) STG

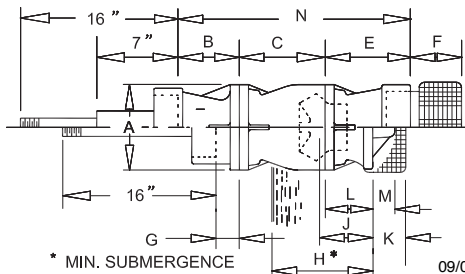


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

**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 <sup>2</sup> :	14.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE12HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



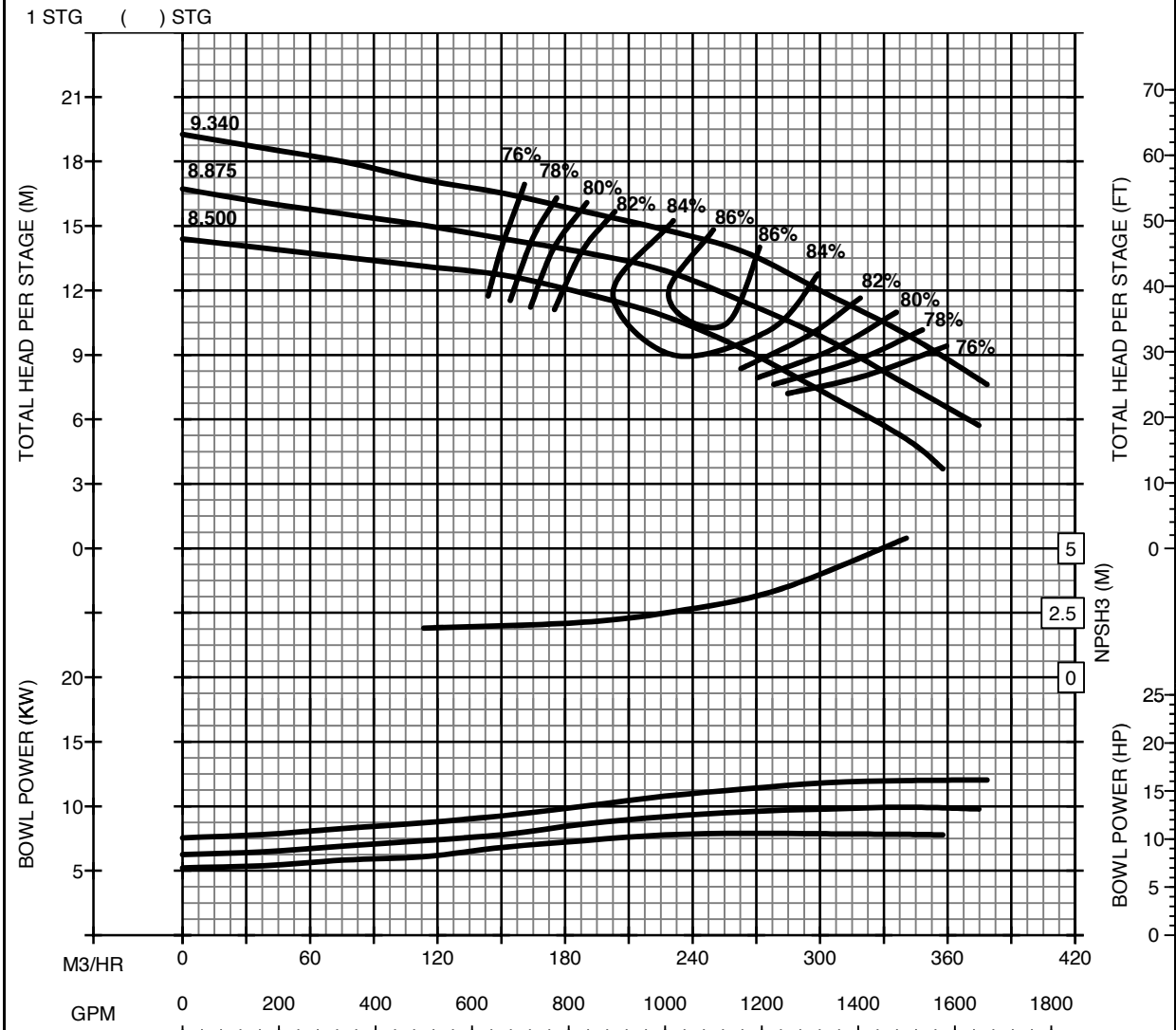


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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						

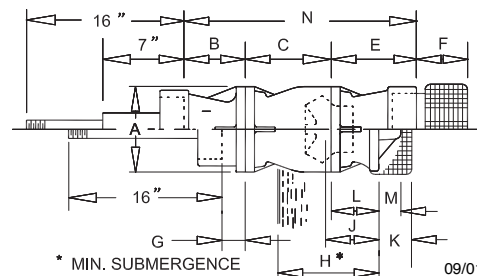


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.63	6.06	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	26.00

**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 <sup>2</sup> :	21.5	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVK12HC4P5CY

1475  
CURVES

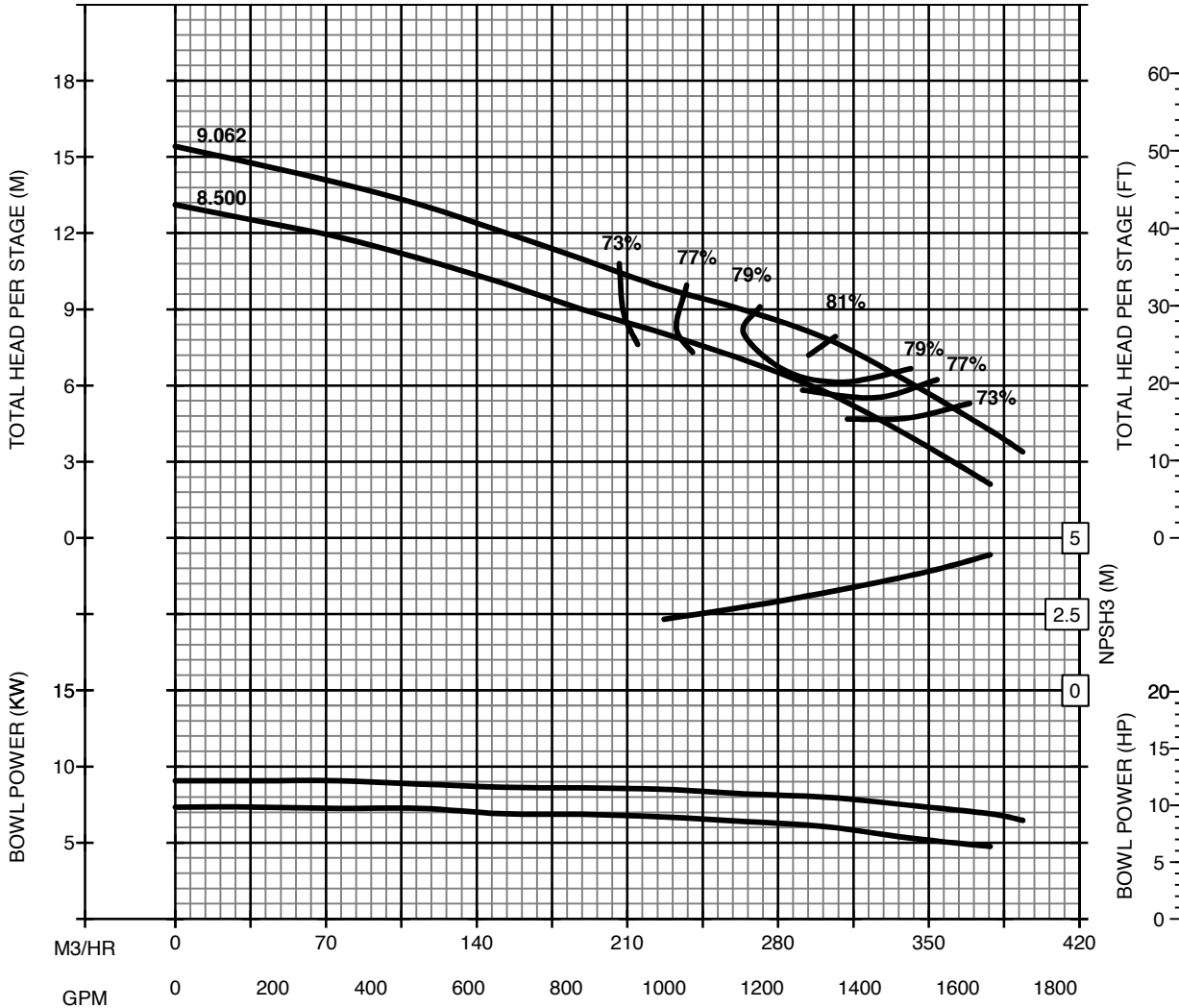
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H12MC**  
1475 RPM

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

1 STG ( ) STG

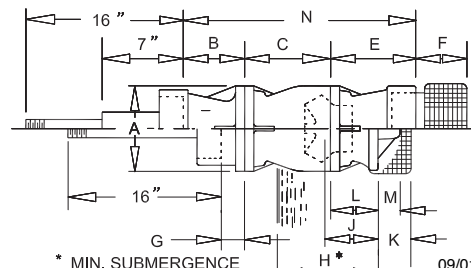


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

**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 <sup>2</sup> :	33.4	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

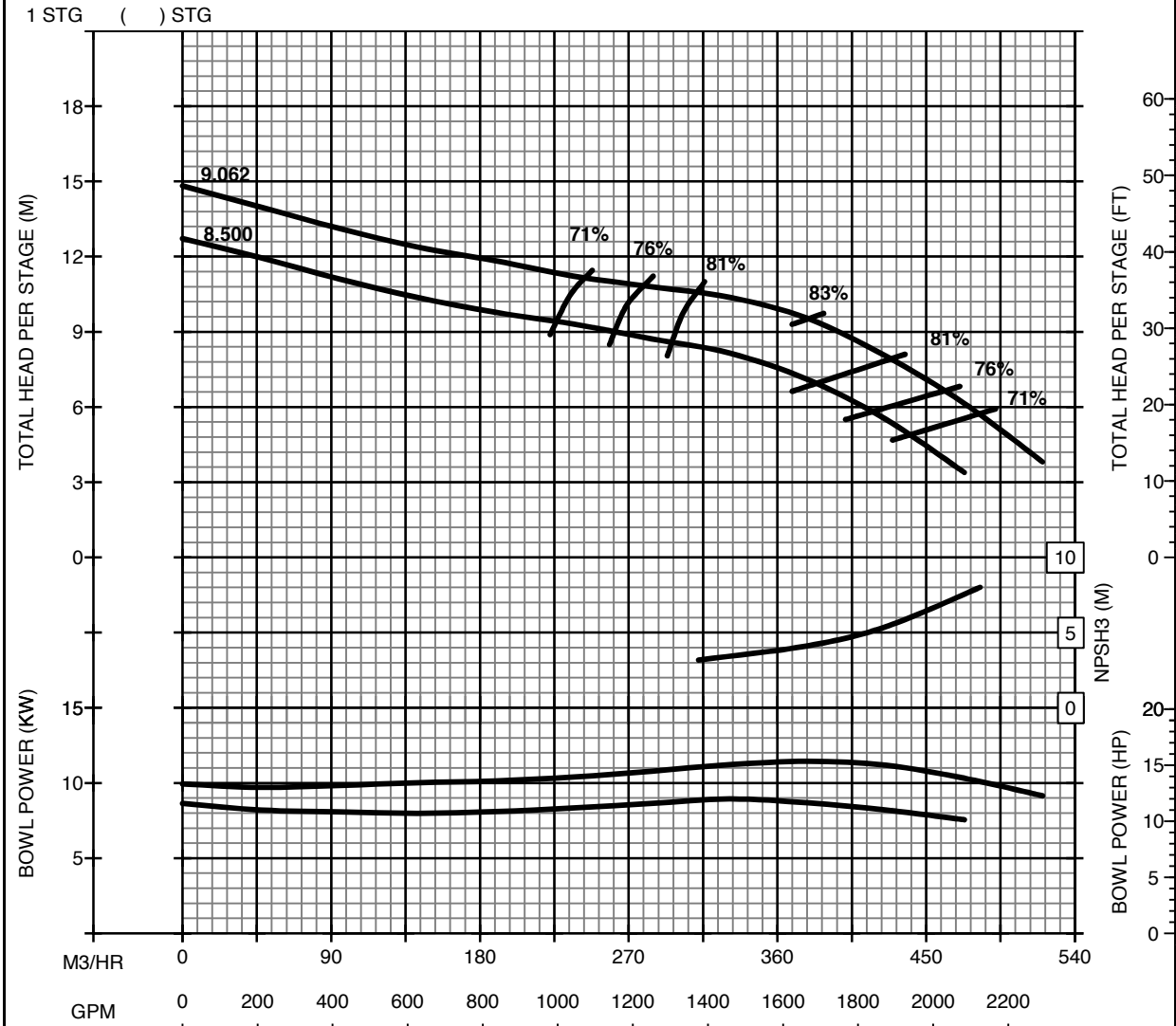


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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					

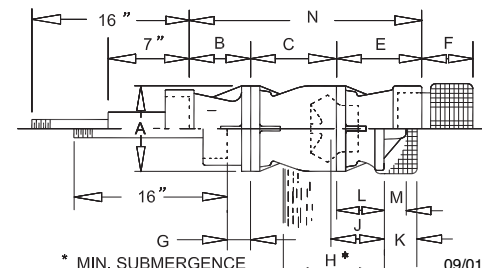


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

**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 <sup>2</sup> :	33.4	WR <sup>2</sup> LB-FT <sup>2</sup> :	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



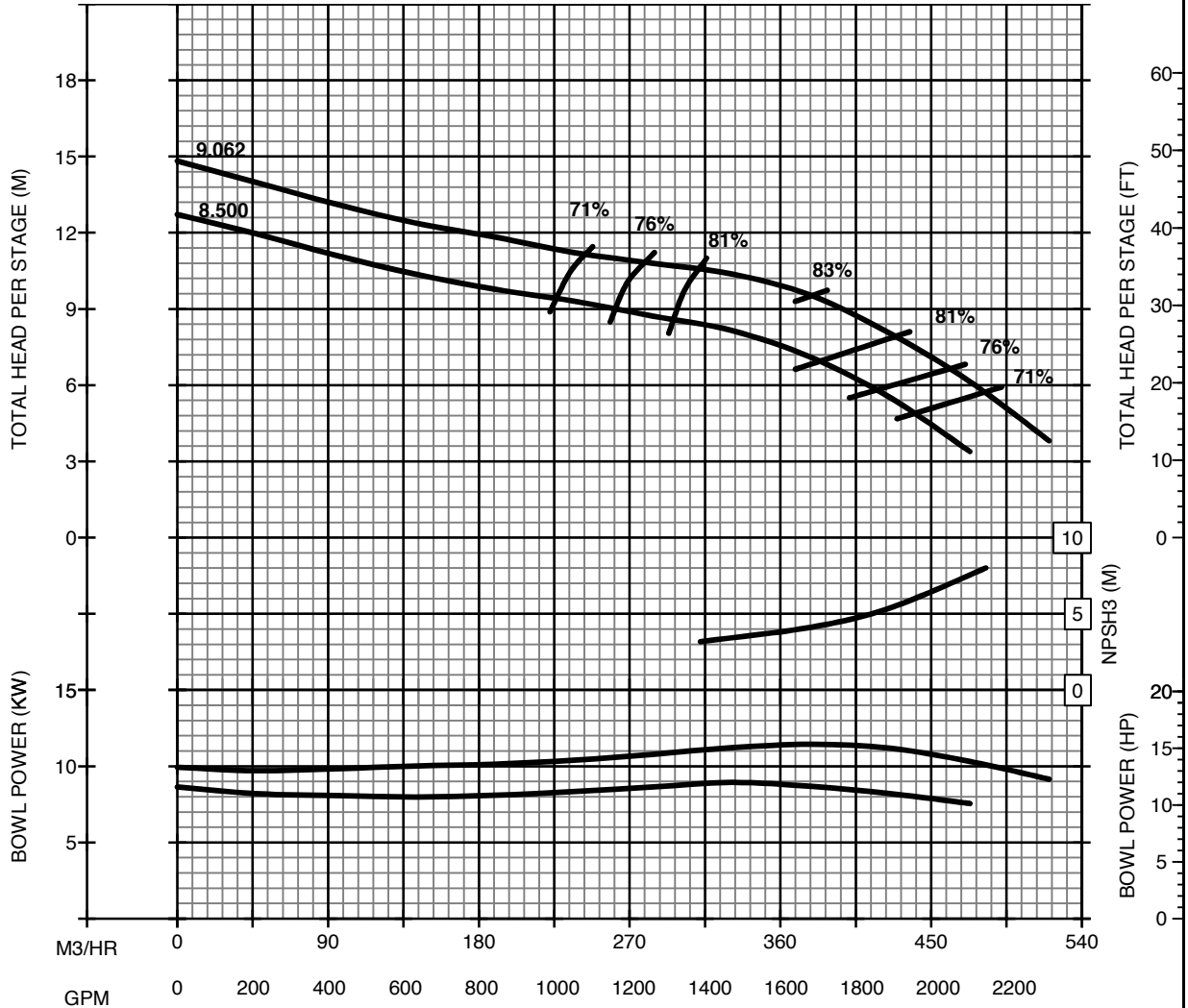
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H12HO**  
1475 RPM

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

1 STG ( ) STG

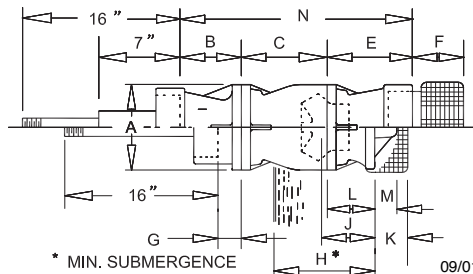


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

**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 <sup>2</sup> :	33.4	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH12HO4P5CY

CURVE TEMPLATE 08.05.2011

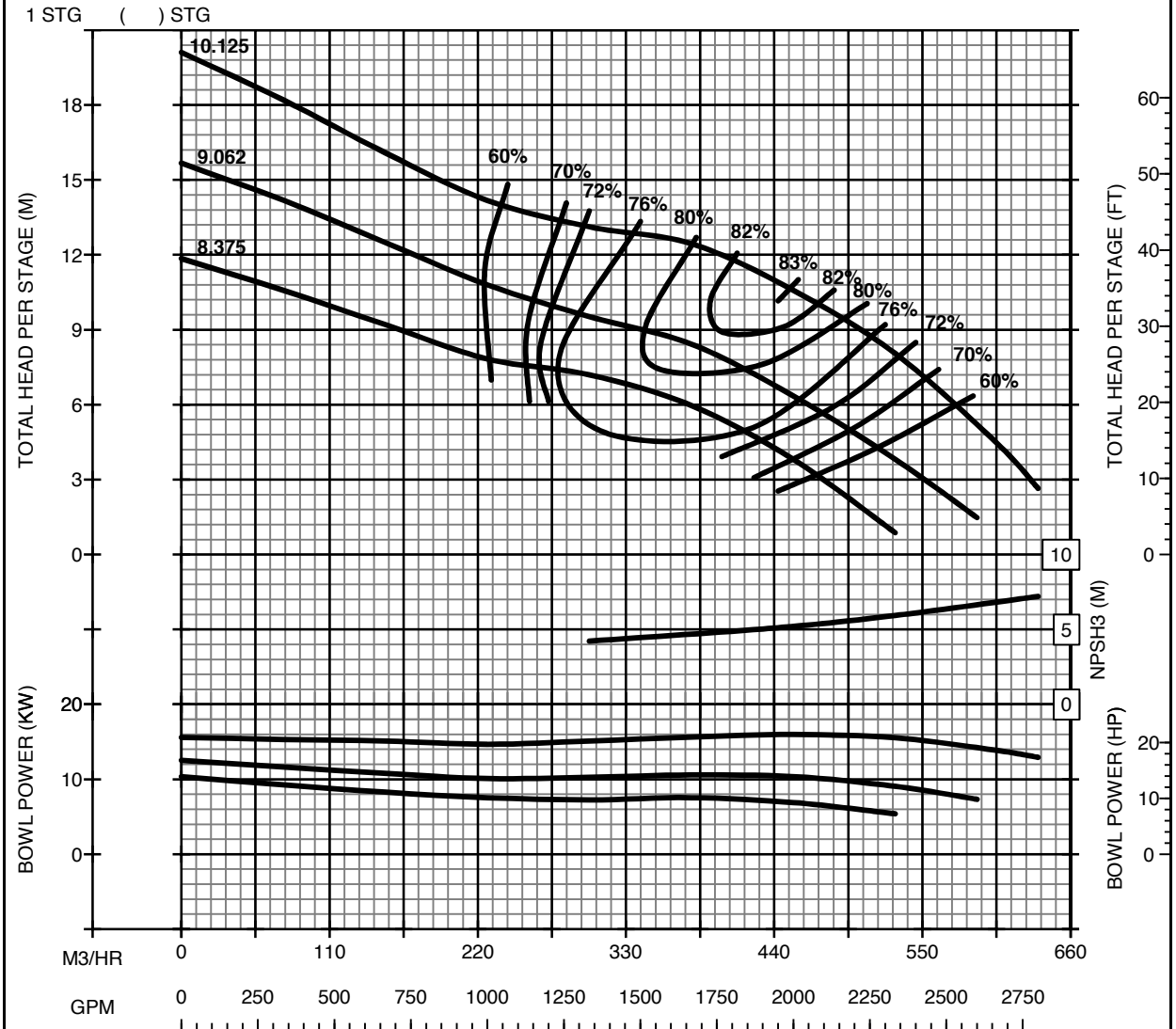
1475  
CURVES

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



**J12XHC**  
1475 RPM

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

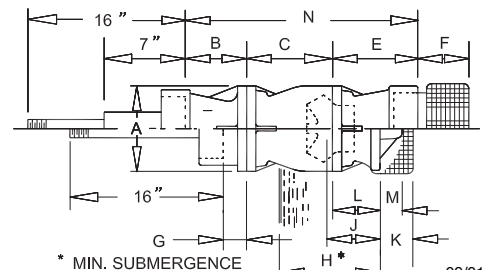


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.75	5.81	12.38	10.00	11.25	1.62	24.00	N/A	N/A	N/A	N/A	28.19

**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 <sup>2</sup> :	36.2	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVJ12XHC4P5CY

1475  
CURVES

CURVE TEMPLATE 08.05.2011



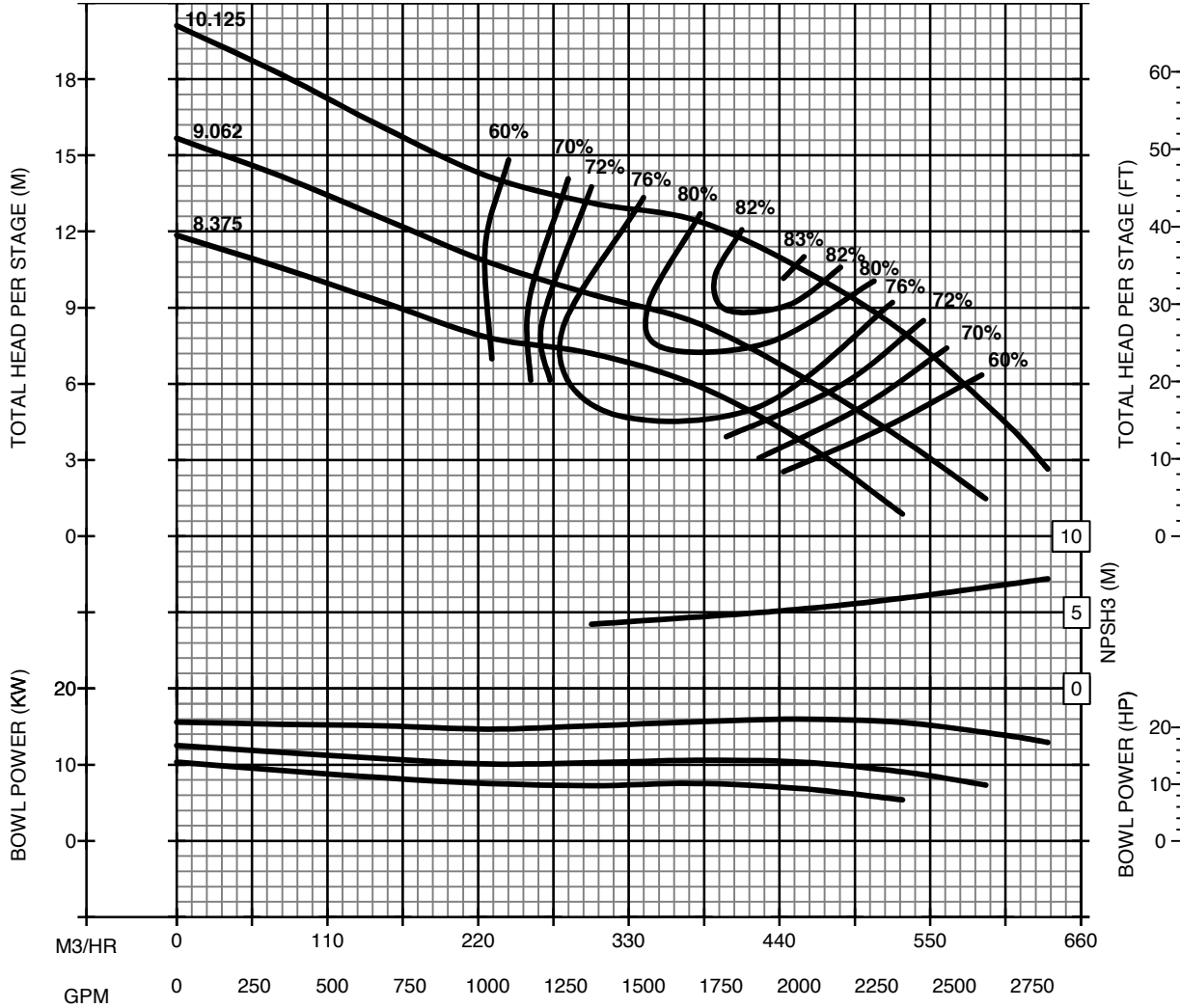
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**J12XHO**  
1475 RPM

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

1 STG ( ) STG

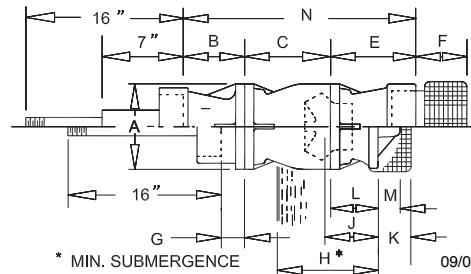


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.75	5.81	12.38	10.00	11.25	1.62	24.00	N/A	N/A	N/A	N/A	28.19

**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 <sup>2</sup> :	36.2	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVJ12XHO4P5CY

CURVE TEMPLATE 08.05.2011

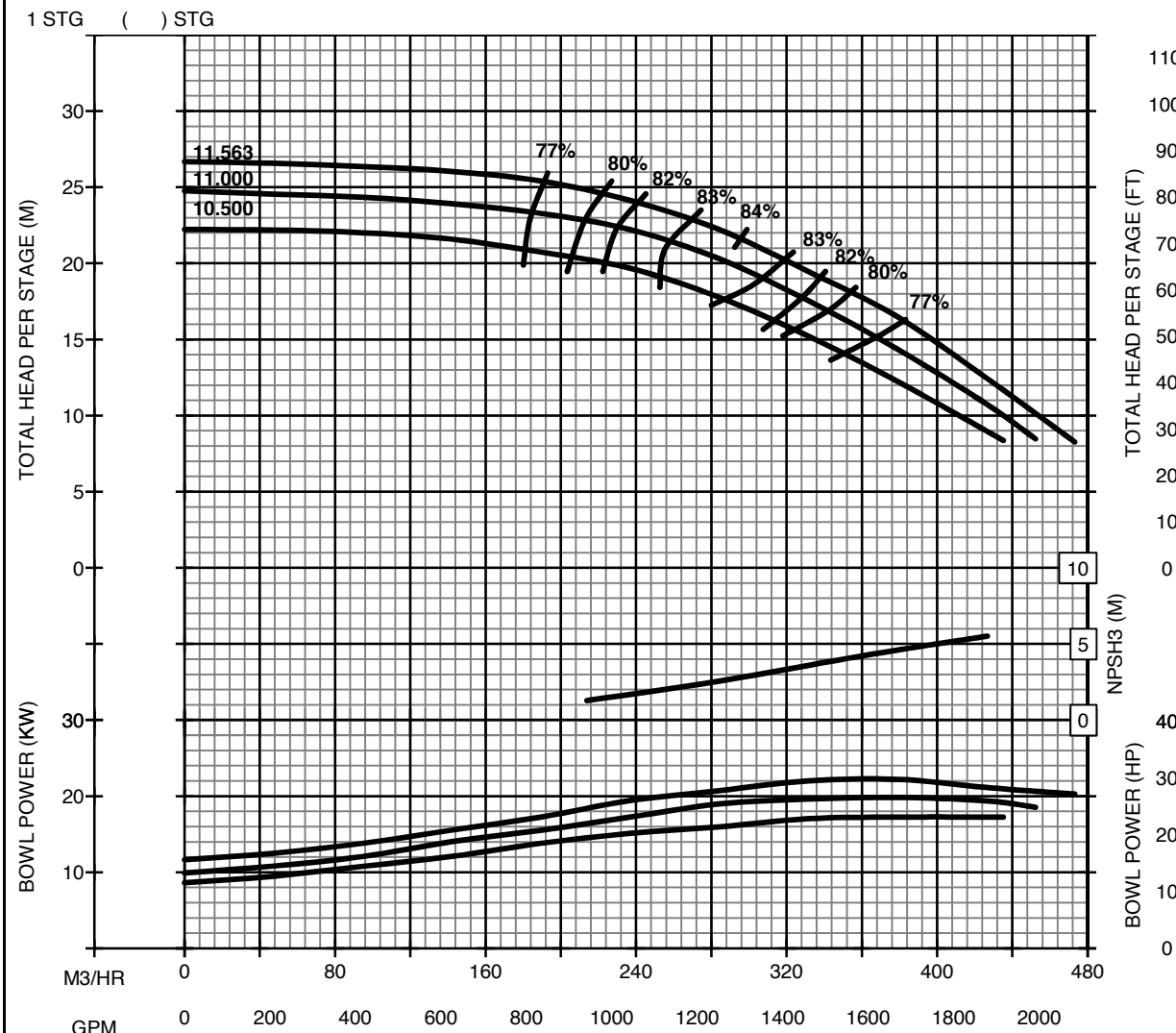
1475  
CURVES

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



**M14MC**  
1475 RPM

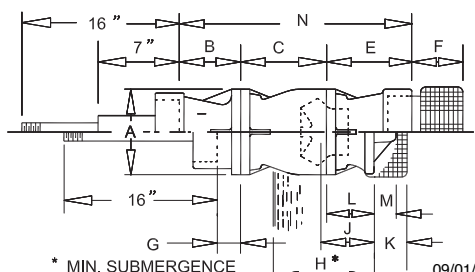
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0					



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 <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.

09/01/2011

CVM14MC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



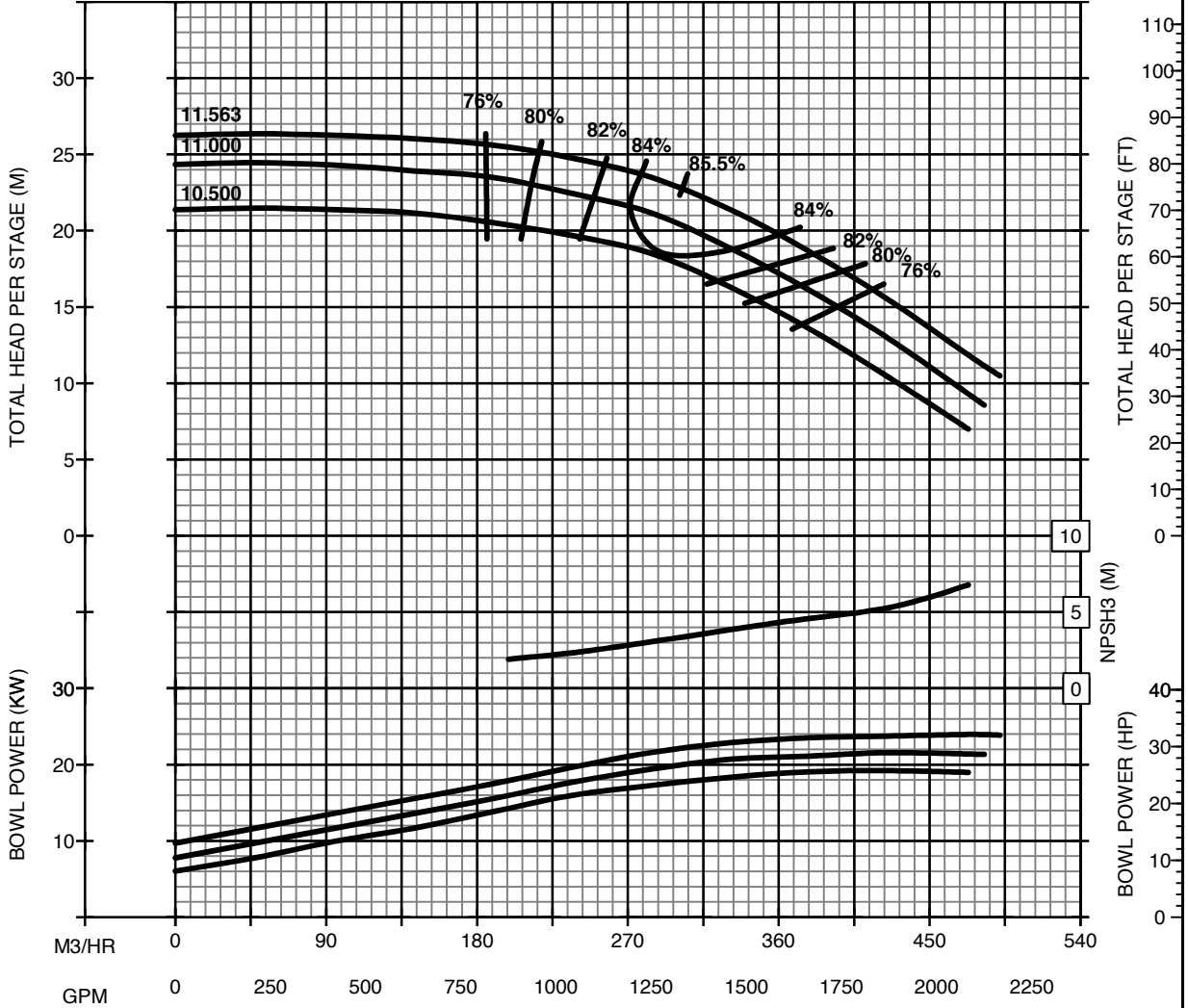
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M14HC**  
1475 RPM

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

1 STG ( ) STG

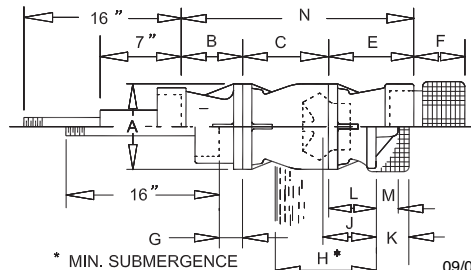


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

**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 <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



\* MIN. SUBMERGENCE

09/01/2011

CVM14HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

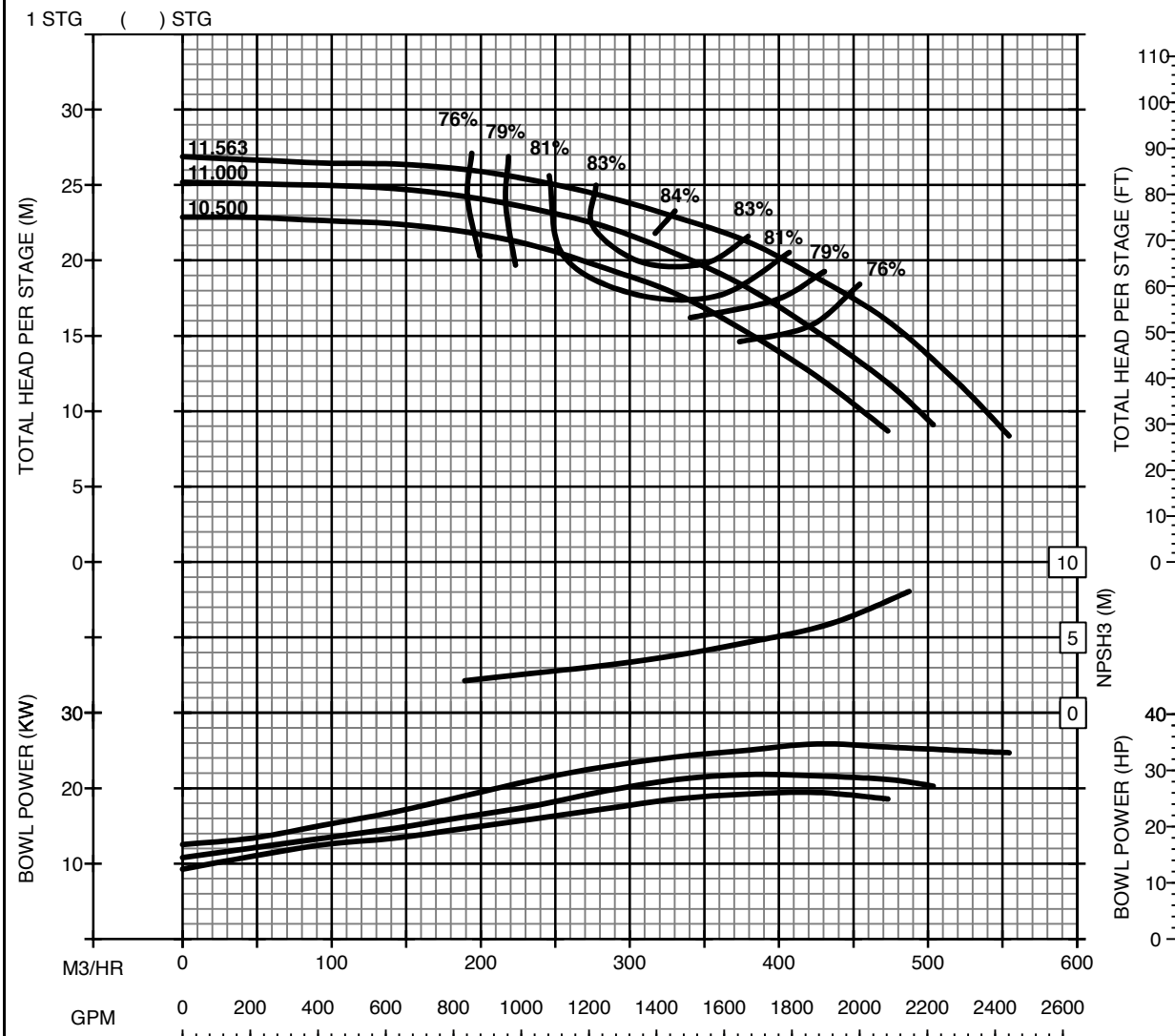


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M14XHC**  
1475 RPM

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

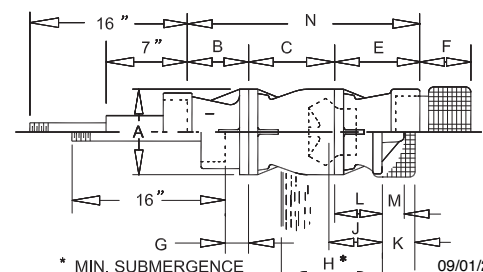


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	7	DISCHARGE SIZE:	10", 12"
THRUST CONSTANT:	12.5	SUCTION SIZE:	10"
LATERAL (STD):	0.88"	STD. TUBE:	3"
EYE AREA IN <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011  
CVM14XHC4P5CY

1475  
CURVES

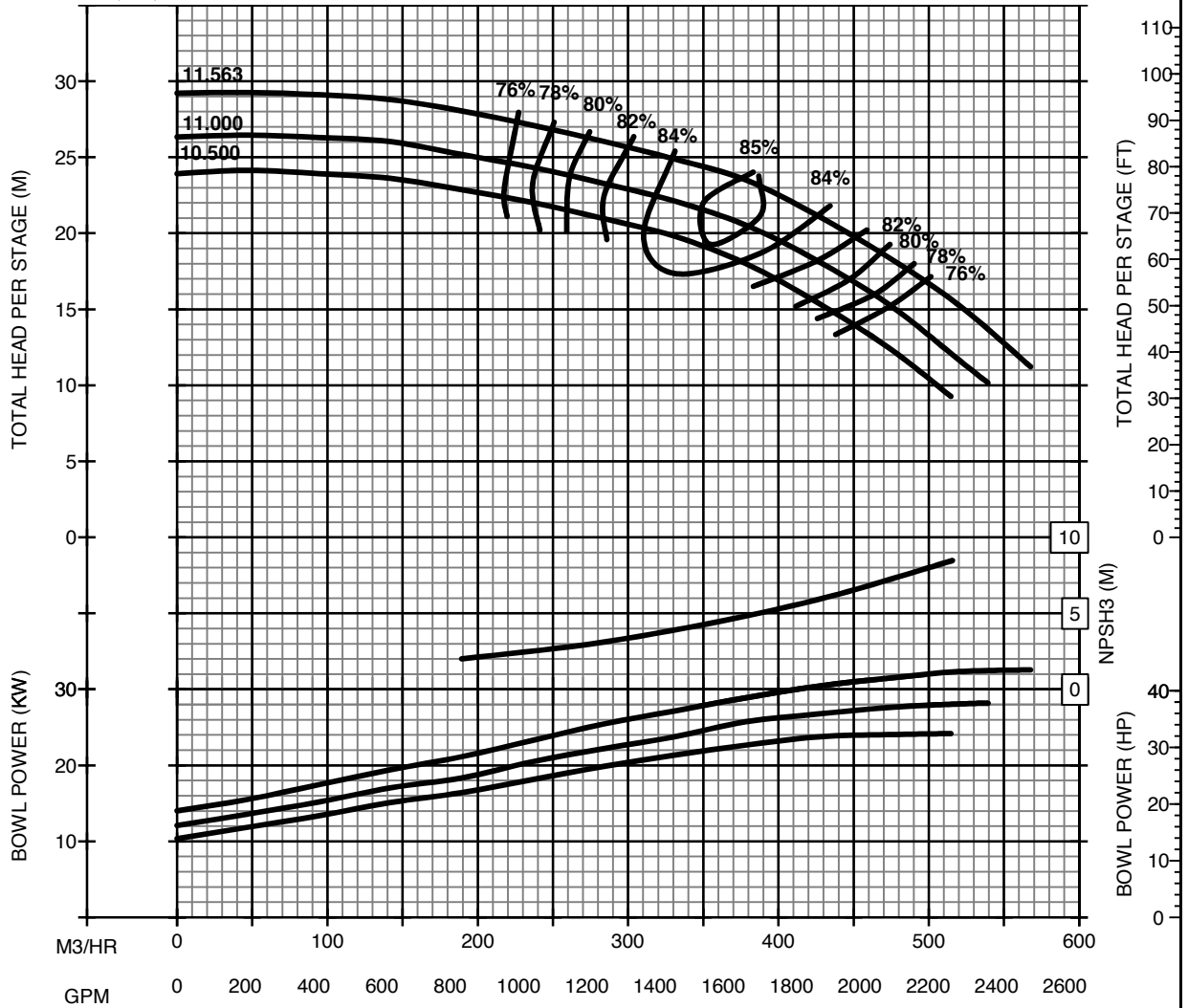
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M14XXHC**  
1475 RPM

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

1 STG ( ) STG

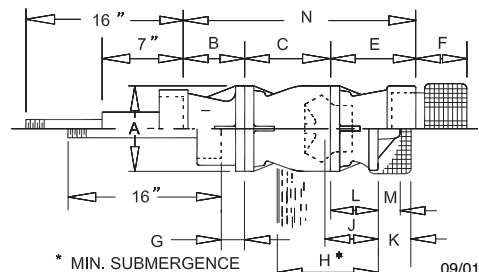


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

**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 <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVM14XXHC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

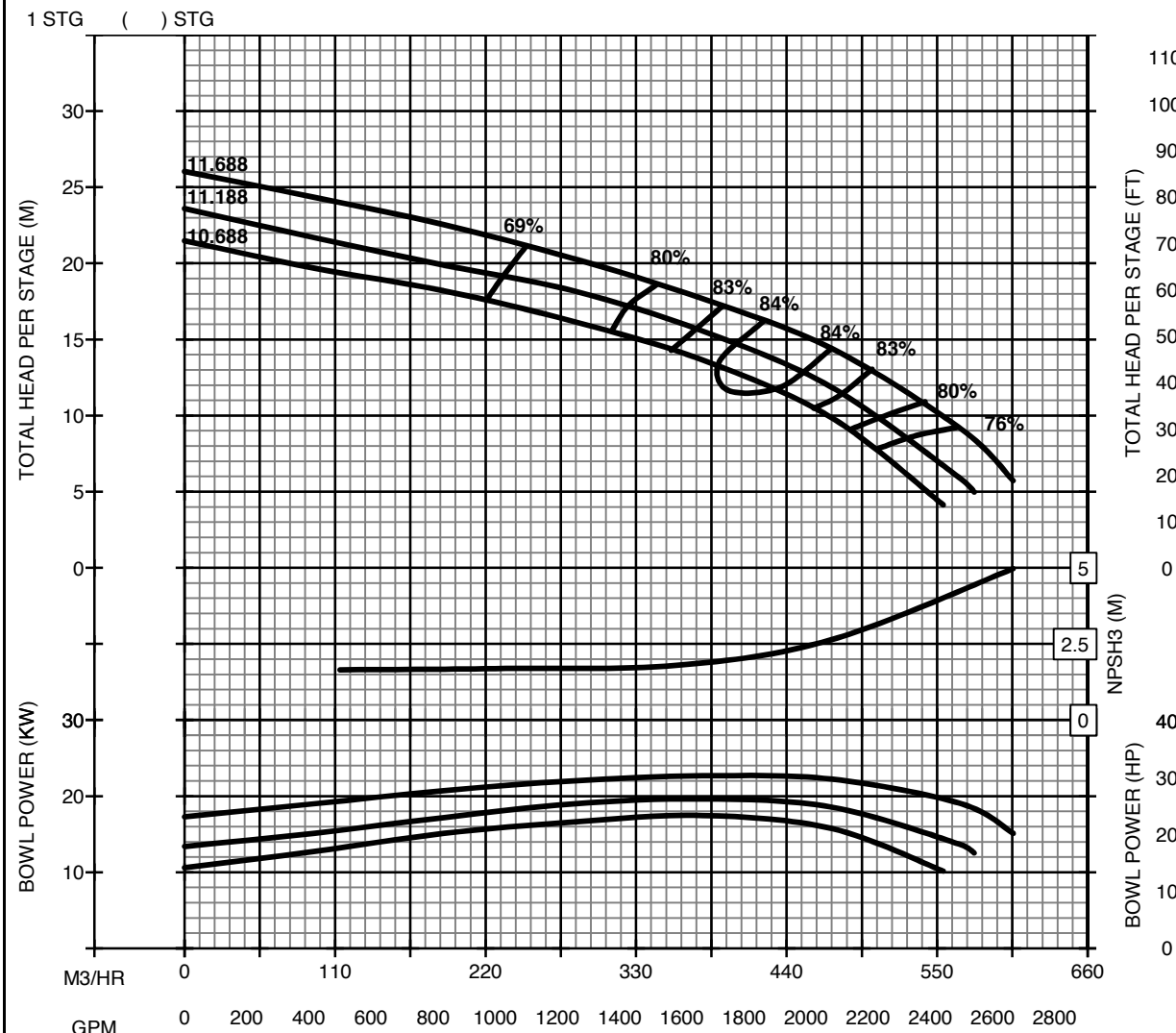


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H14LC**  
1475 RPM

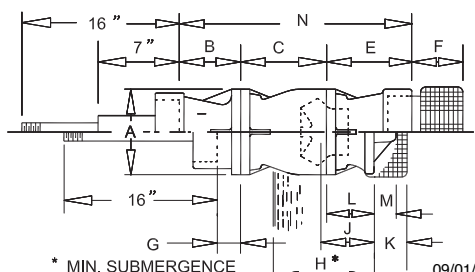
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-4	-2	0						



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 <sup>2</sup> :	39.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

09/01/2011  
CVH14LC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



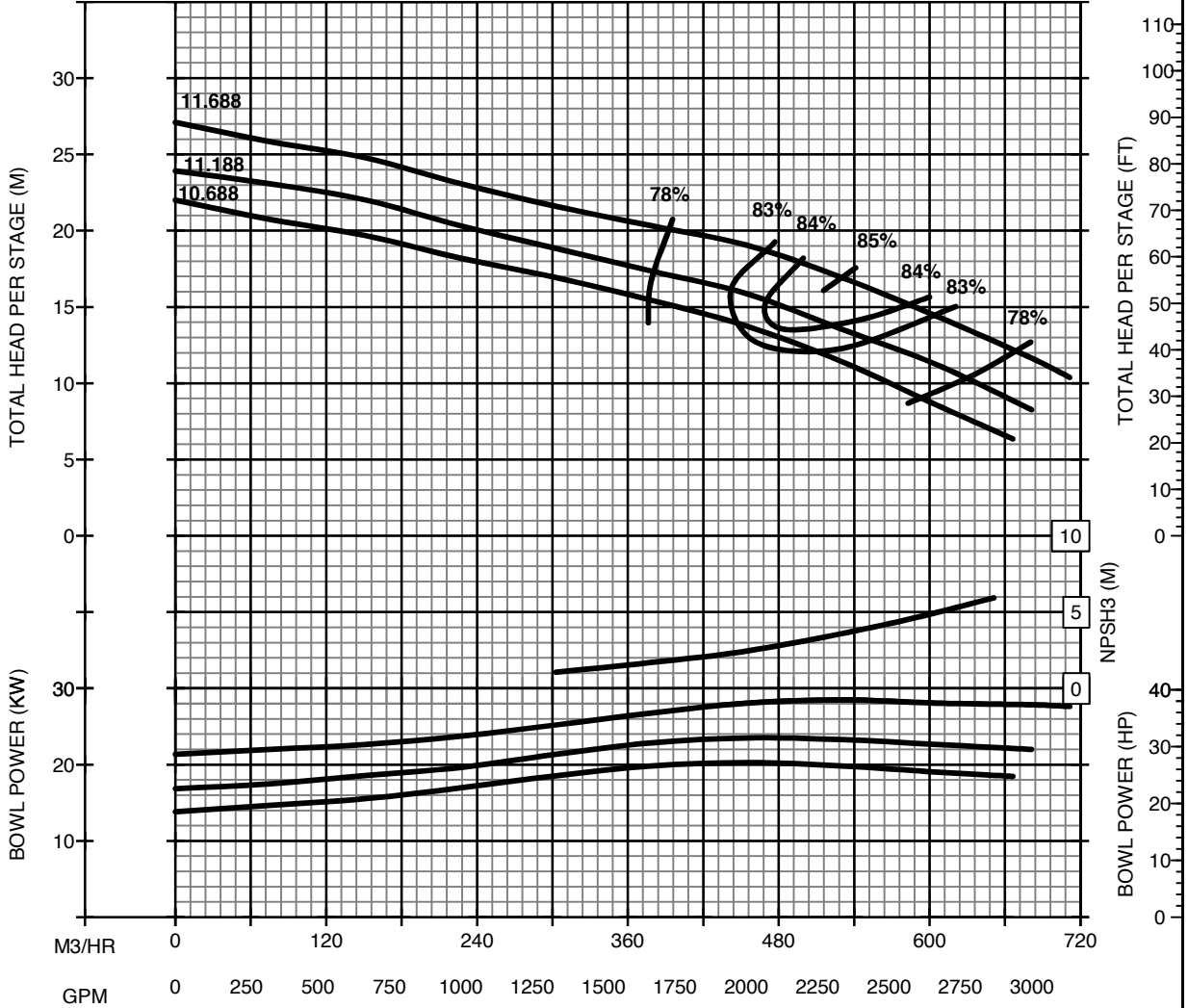
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H14MC**  
1475 RPM

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

1 STG ( ) STG



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

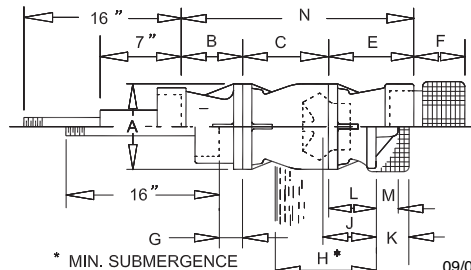
**PUMP DATA**

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 <sup>2</sup> :	38.96	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES



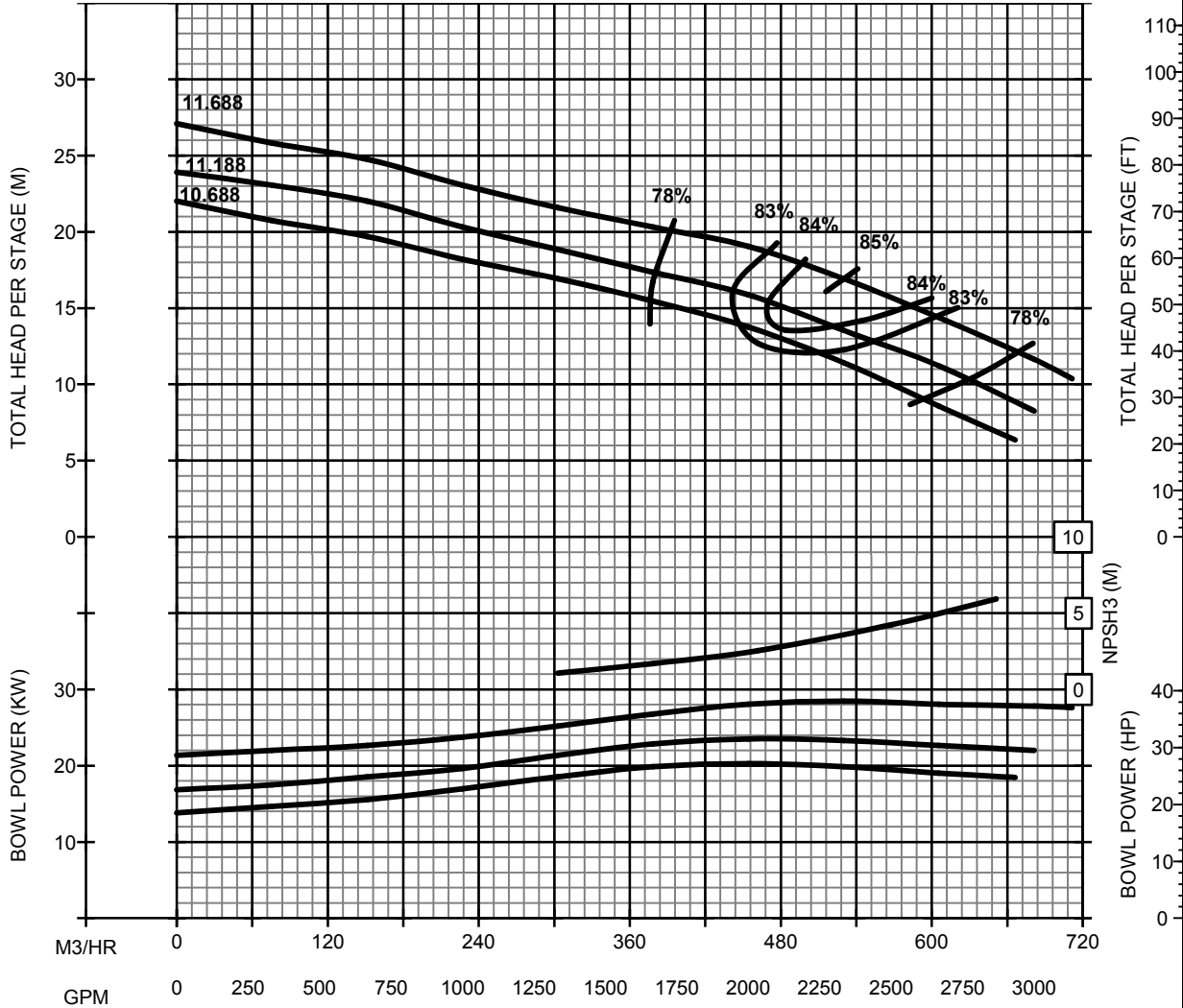
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H14MO**  
1475 RPM

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

1 STG ( ) STG



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	N/A	N/A	N/A	32.81

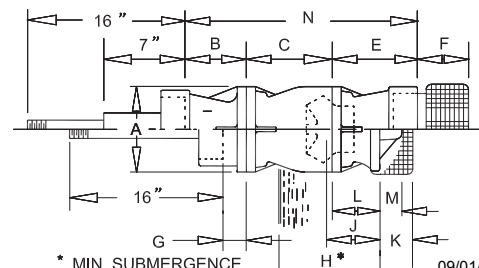
**PUMP DATA**

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 <sup>2</sup> :	38.96	WR <sup>2</sup> LB-FT <sup>2</sup> :	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



CVH14MO4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



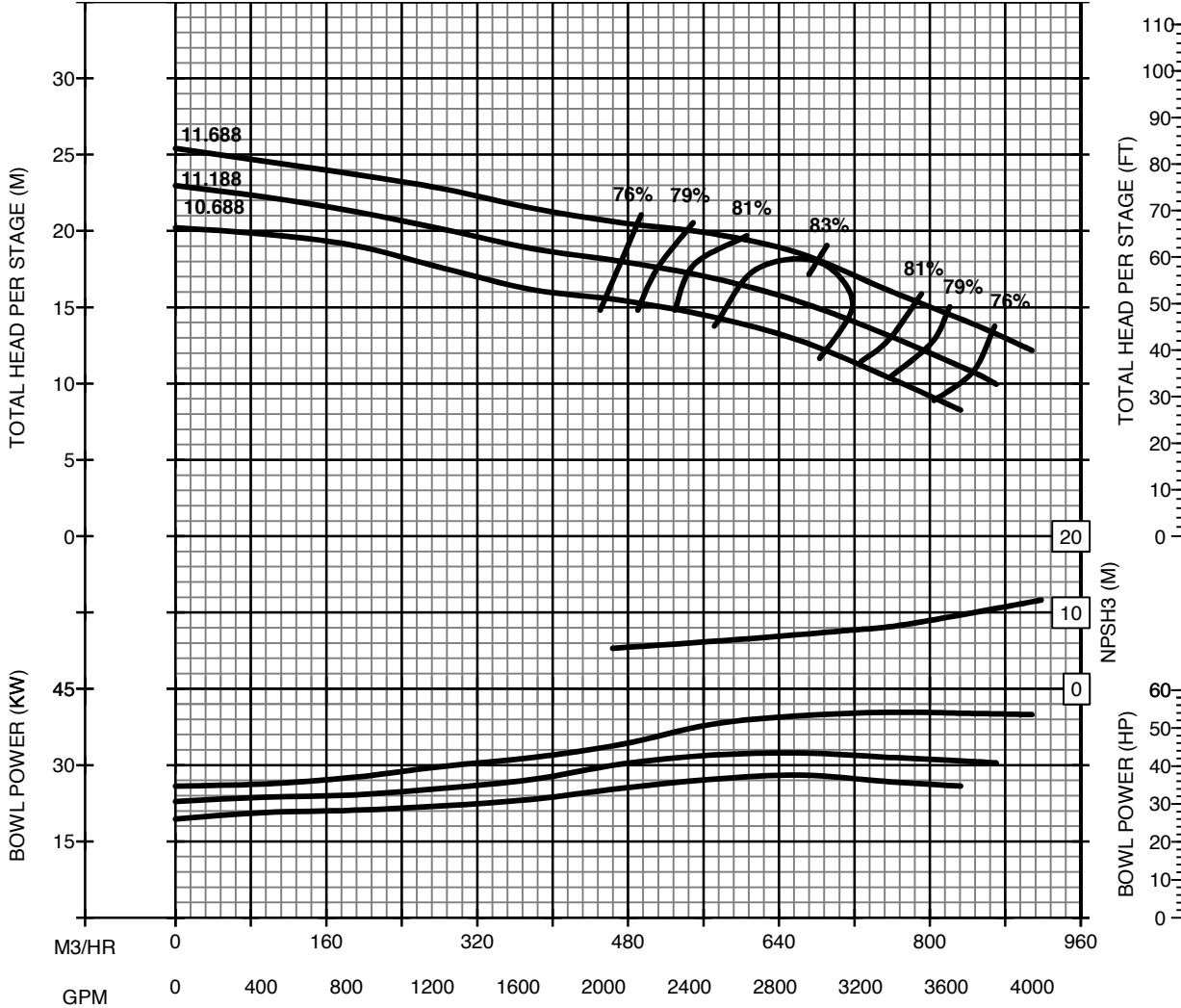
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H14XHC**  
1475 RPM

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

1 STG ( ) STG



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

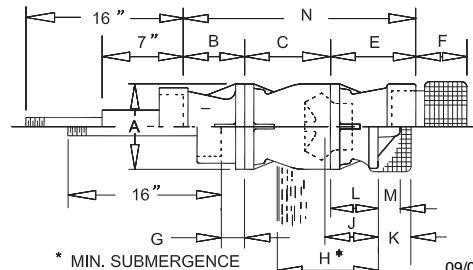
**PUMP DATA**

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 <sup>2</sup> :	38.96	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

1475  
CURVES

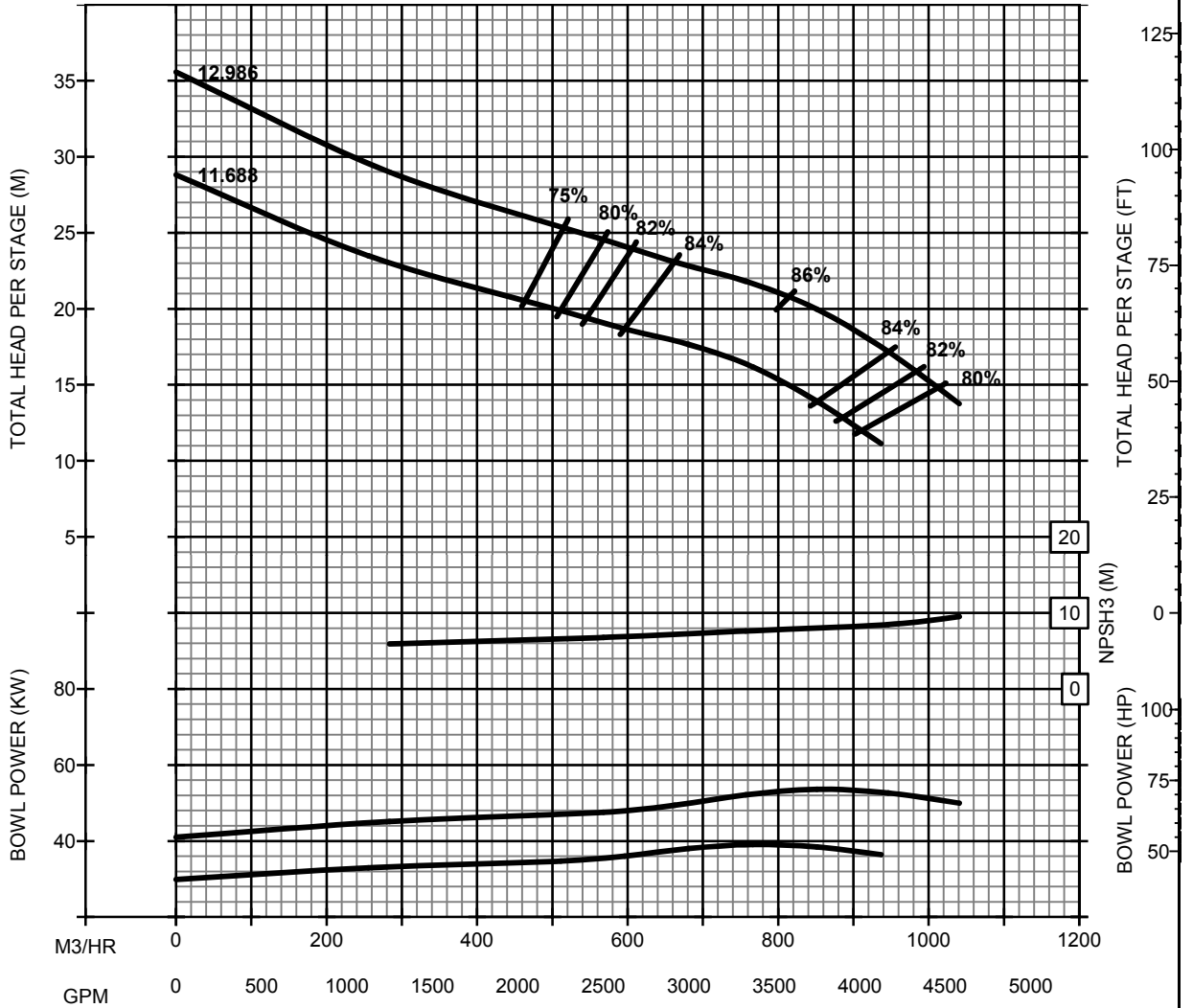
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H16MC**  
1475 RPM

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

1 STG ( ) STG **TEMPORARY CURVE, CONTACT FACTORY**

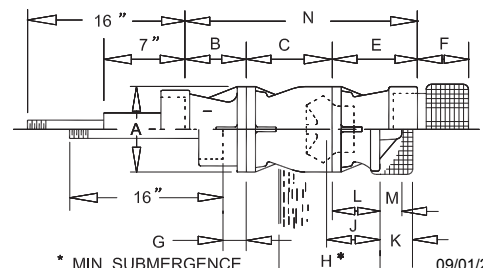


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

**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 <sup>2</sup> :	58.7	WR <sup>2</sup> LB-FT <sup>2</sup> :	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 09/01/2011  
CVH16MC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



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



**H16XHC**  
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS

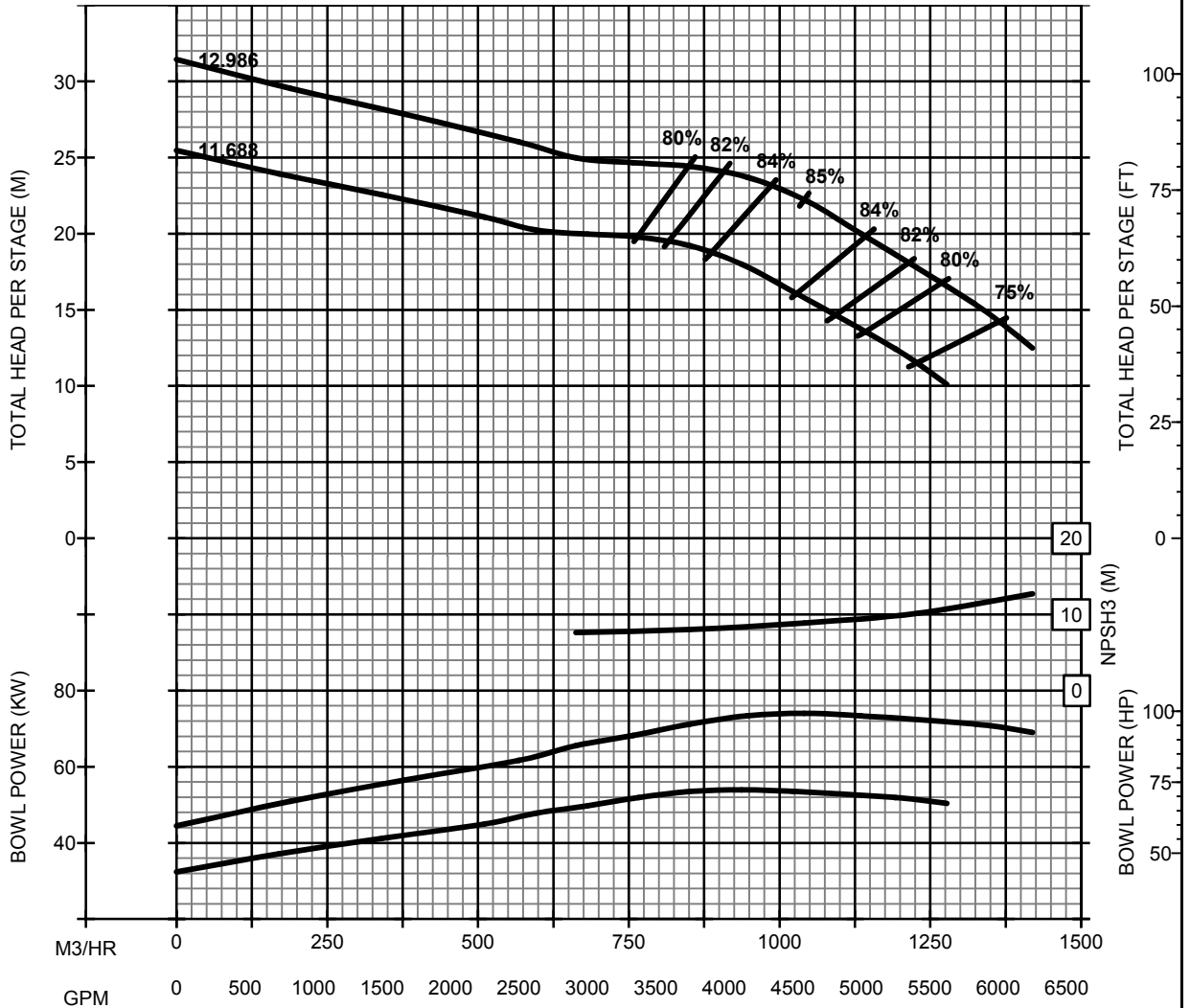
NUMBER OF STAGES  
NUMBER OF POINTS

1	2	3	
-4	-2	0	

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

TEMPORARY CURVE, CONTACT FACTORY



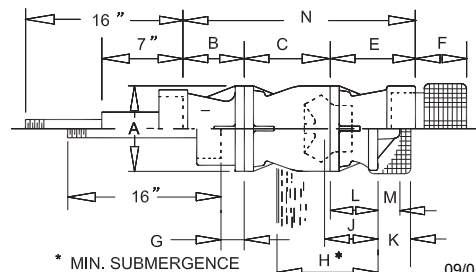
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

**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 <sup>2</sup> :	58.7	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH16XHC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

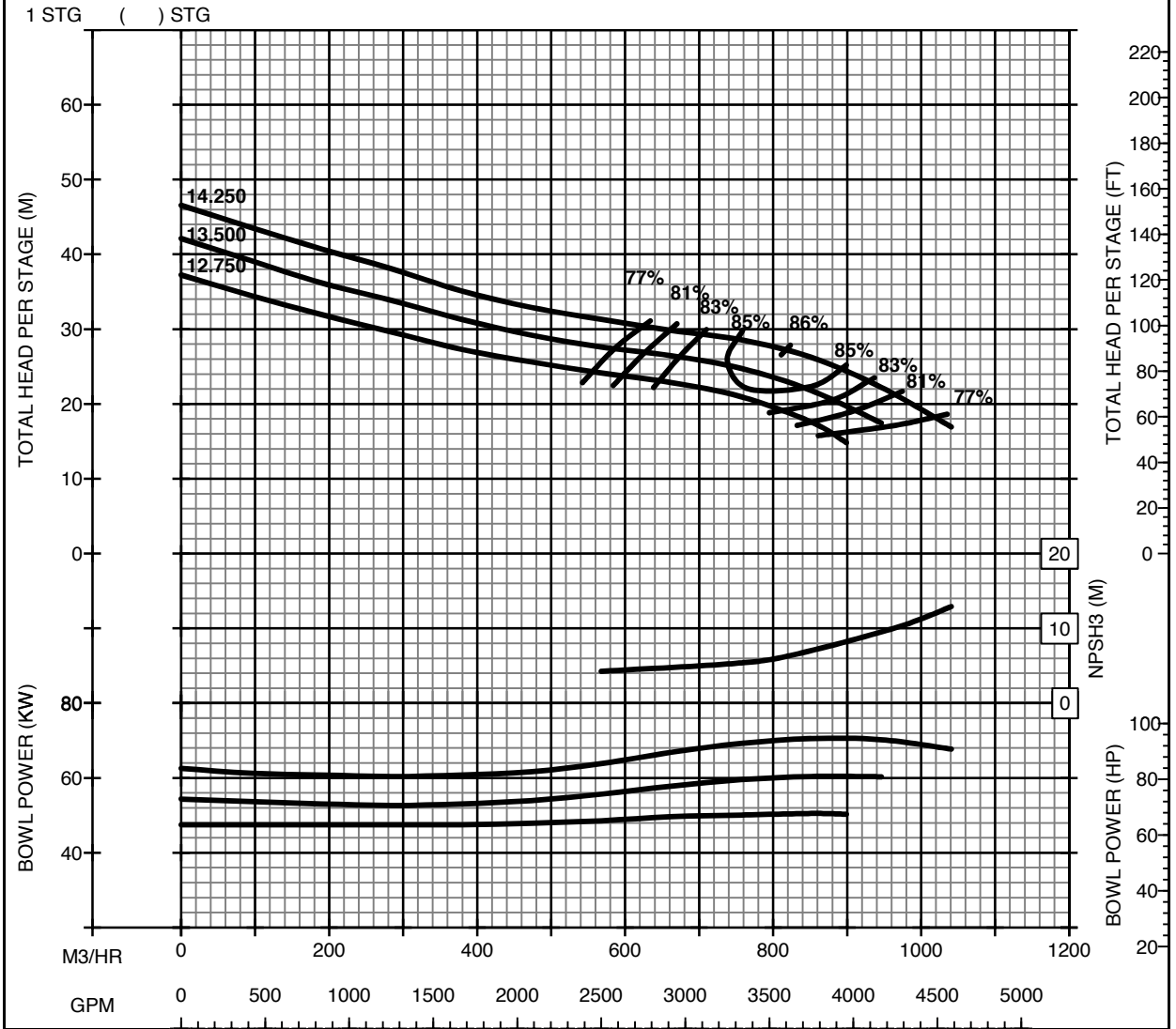


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**E18LC**  
1475 RPM

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

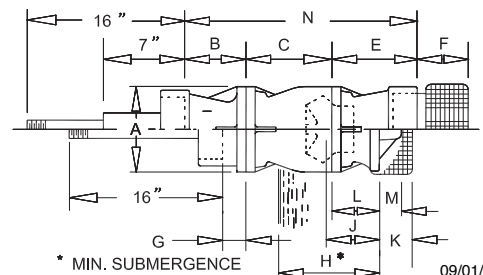


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN <sup>2</sup> :	63.88	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE18LC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



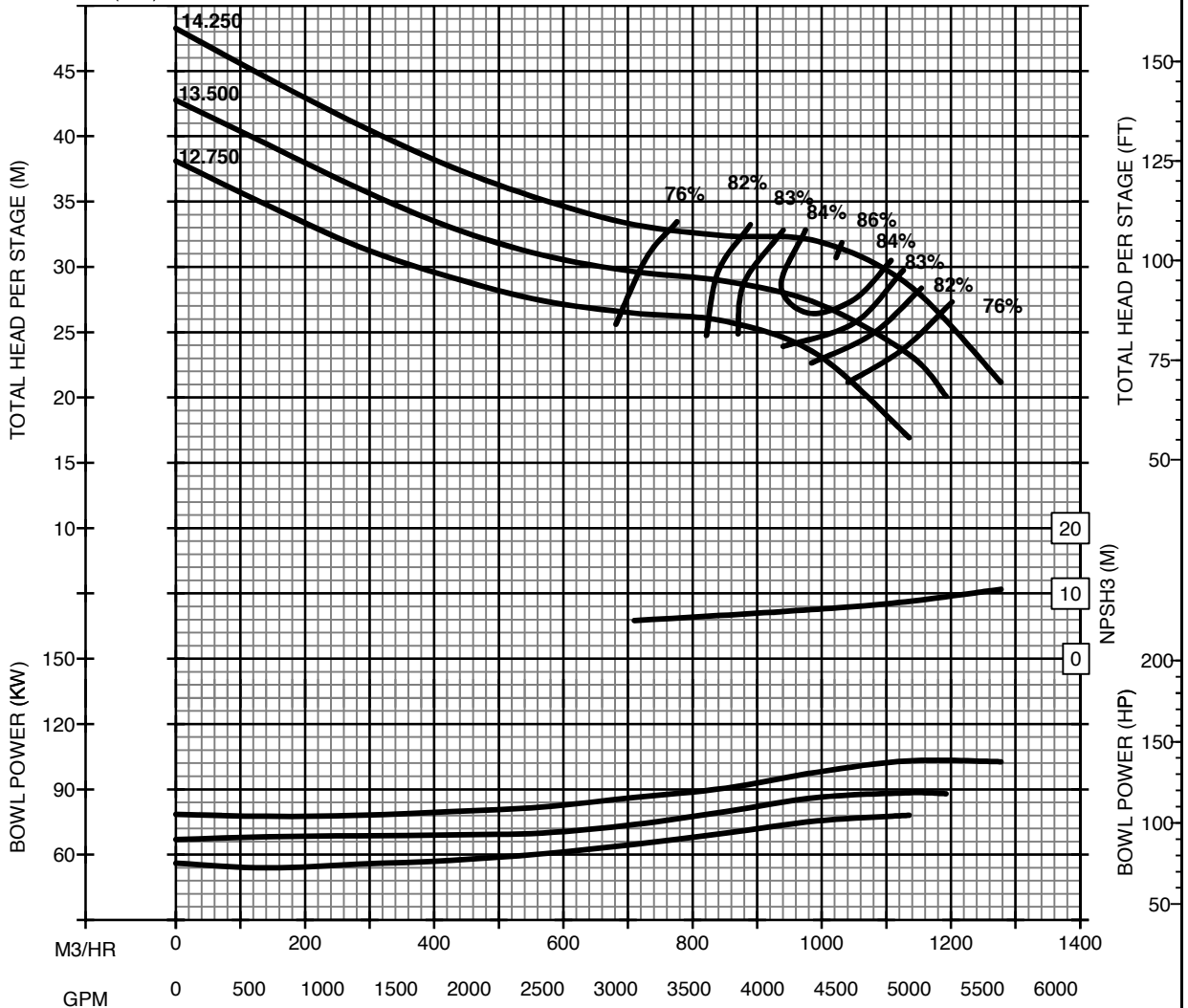
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E18HC**  
1475 RPM

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

1 STG ( ) STG

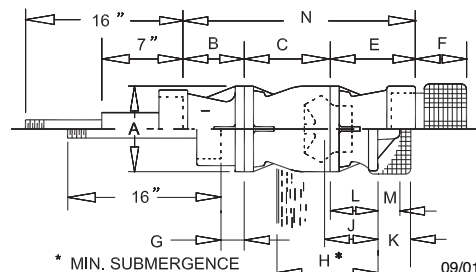


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

**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 <sup>2</sup> :	63.88	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVE18HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

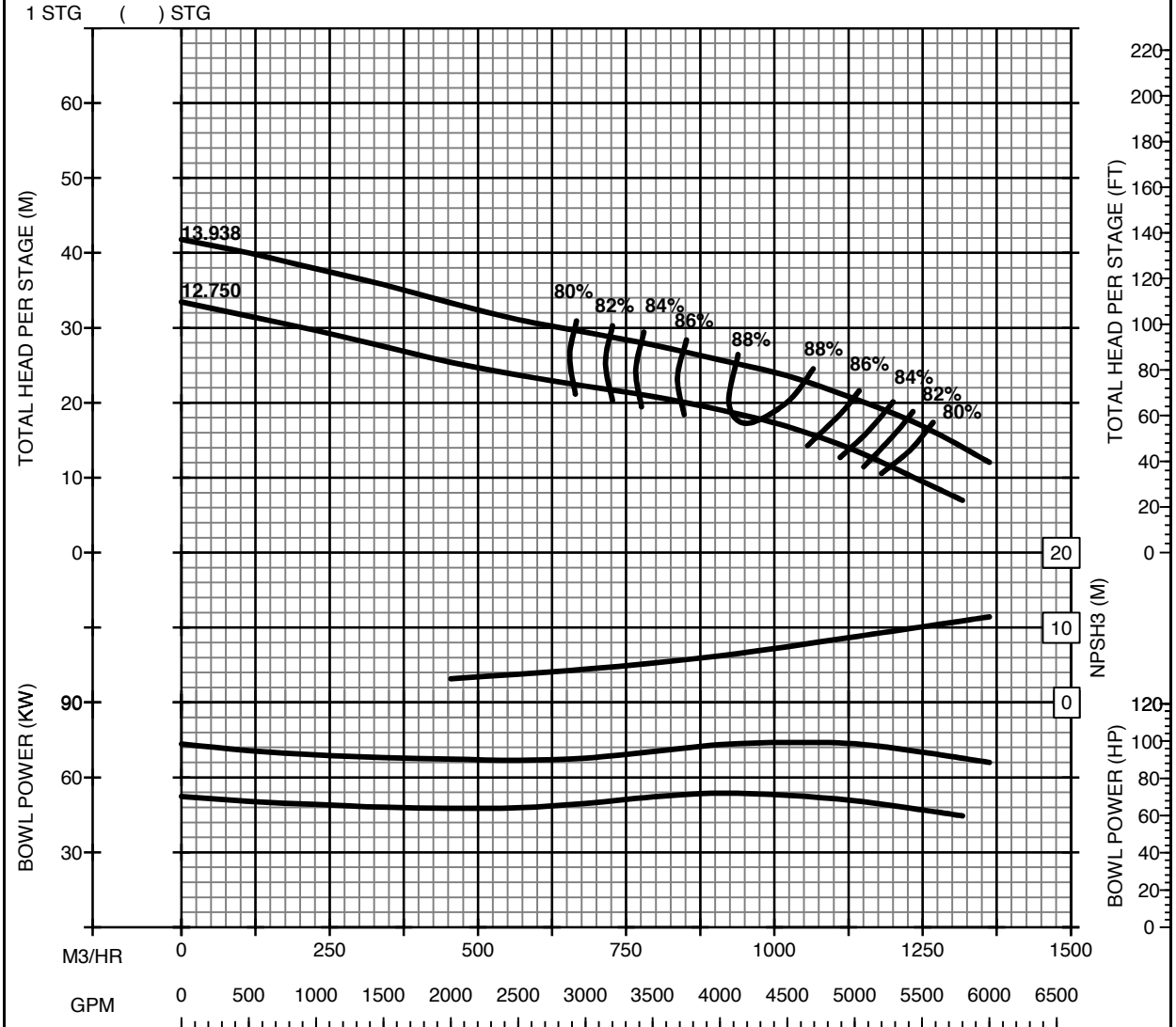


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K20LC**  
1475 RPM

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

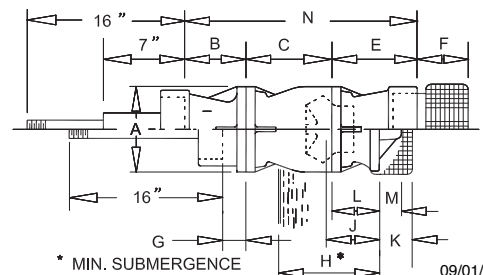


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK20LC4P5CY

1475  
CURVES

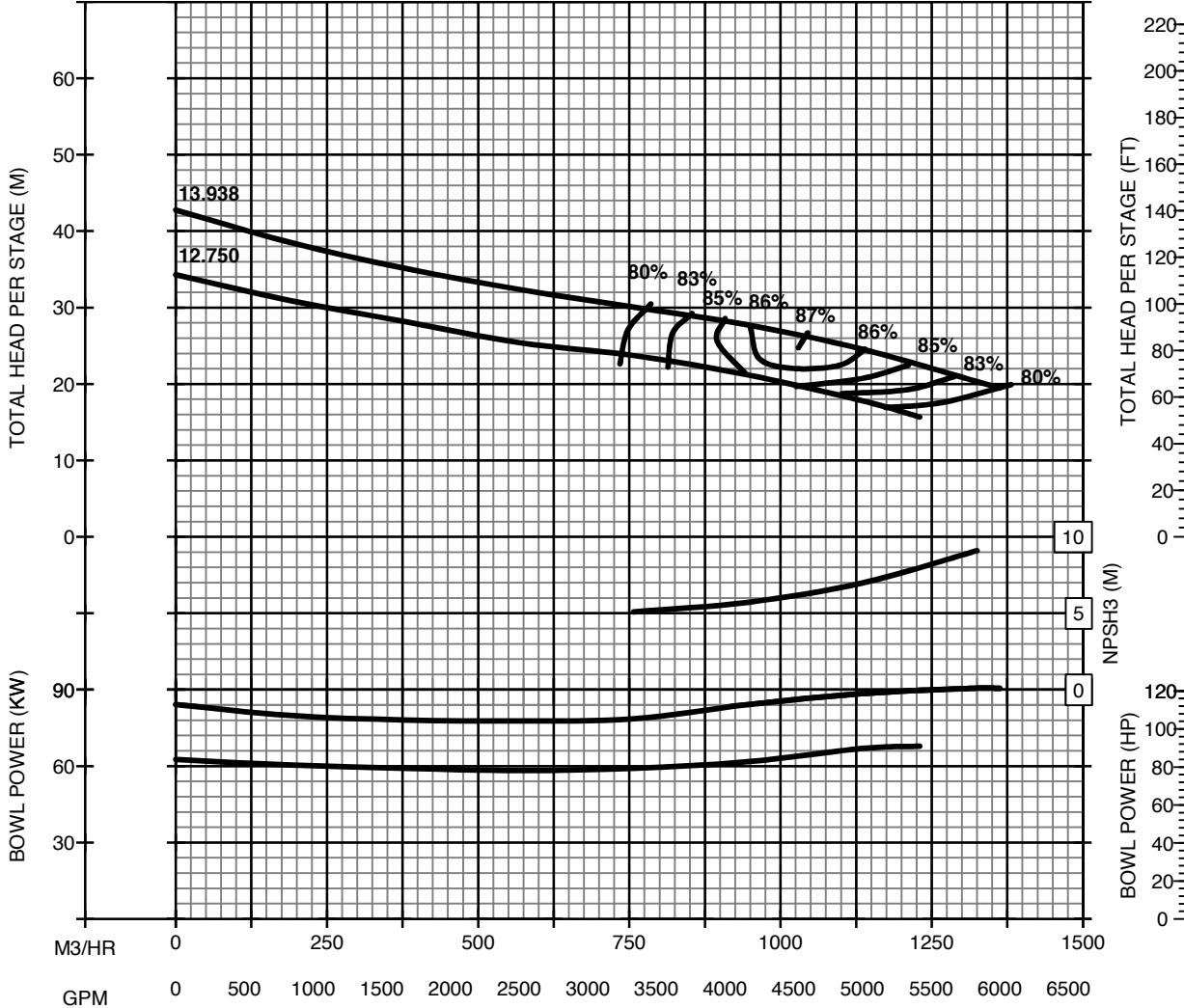
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K20MC**  
1475 RPM

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

1 STG ( ) STG

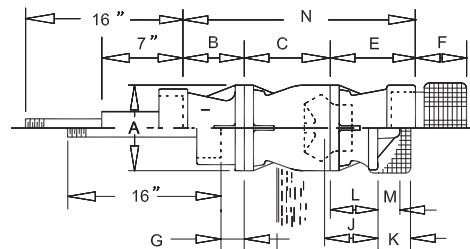


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVK20MC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES

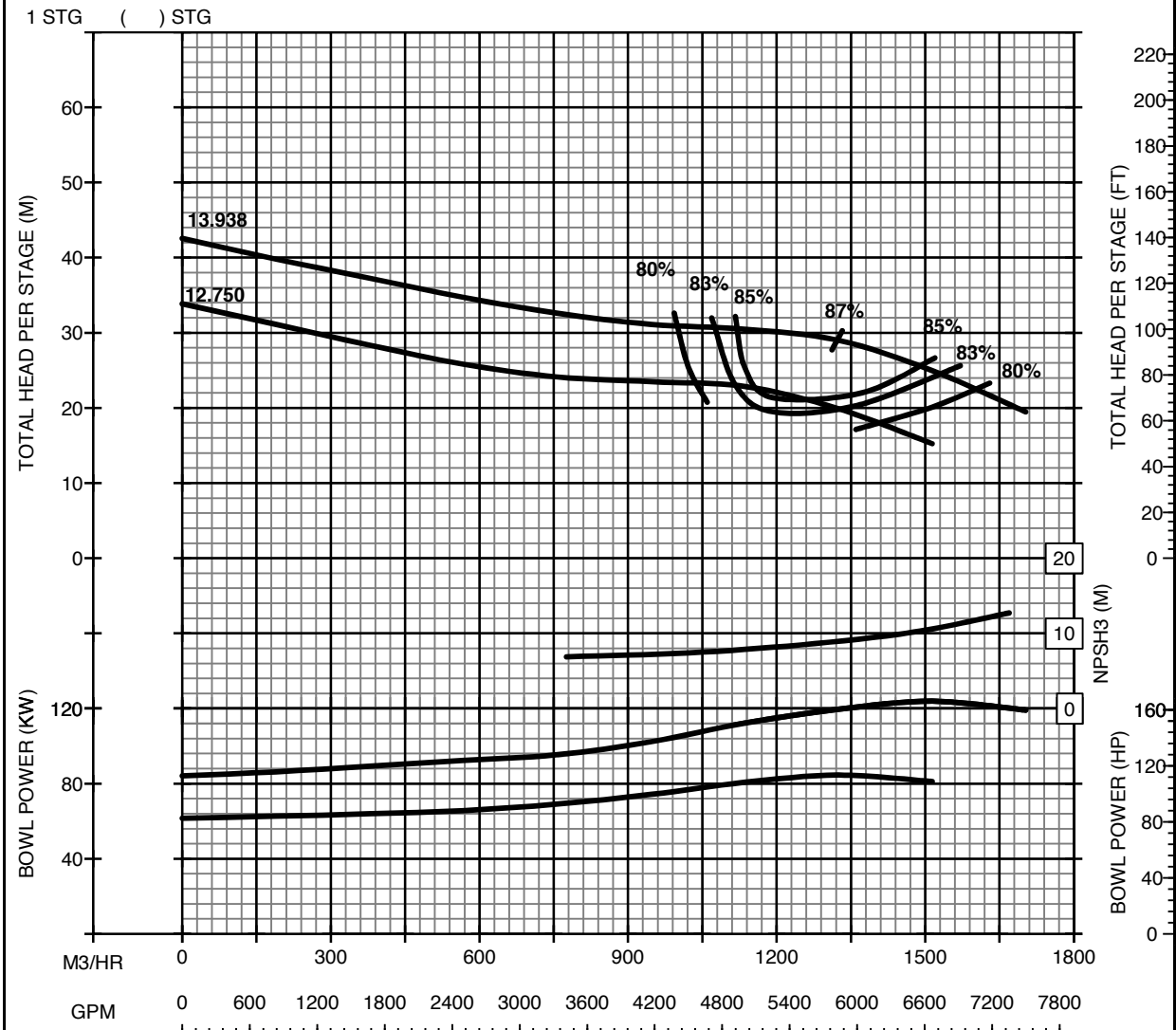


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K20HC**  
1475 RPM

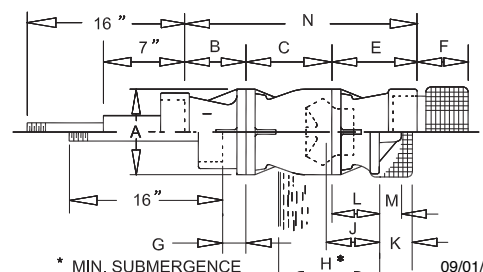
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	0							



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 <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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  
CVK20HC4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES



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



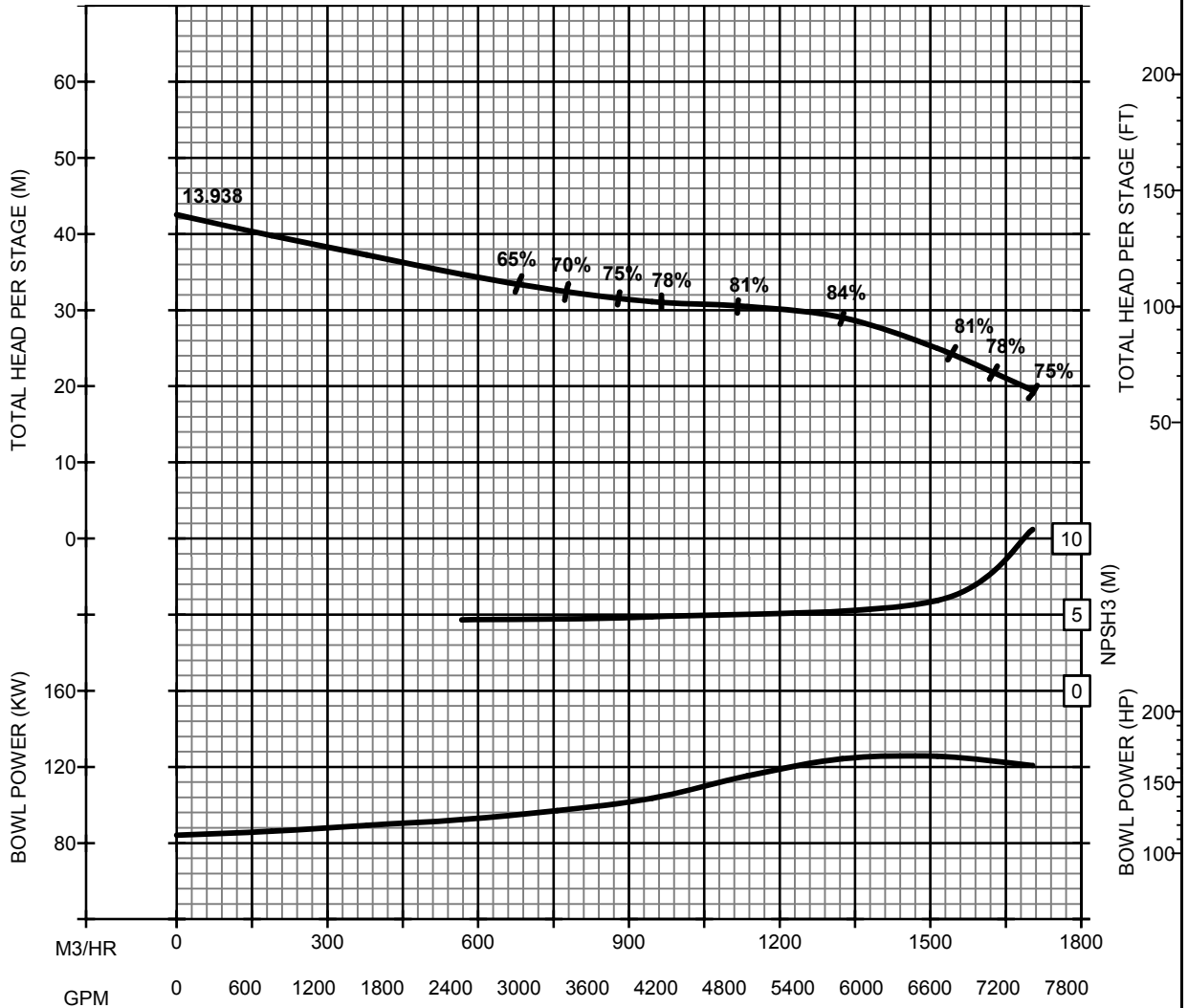
**K20HC-S**  
1475 RPM

CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	-	-	-	-
NUMBER OF POINTS	-	-	-	-

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
	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**

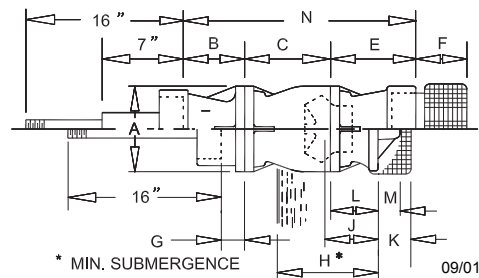
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NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	35.2	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	83.91	WR <sup>2</sup> LB-FT <sup>2</sup> :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730
		ADD STG WT LB:	510

\*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\*\*\*



09/01/2011

CVK20HC-S4P5CY

CURVE TEMPLATE 08.05.2011

1475  
CURVES





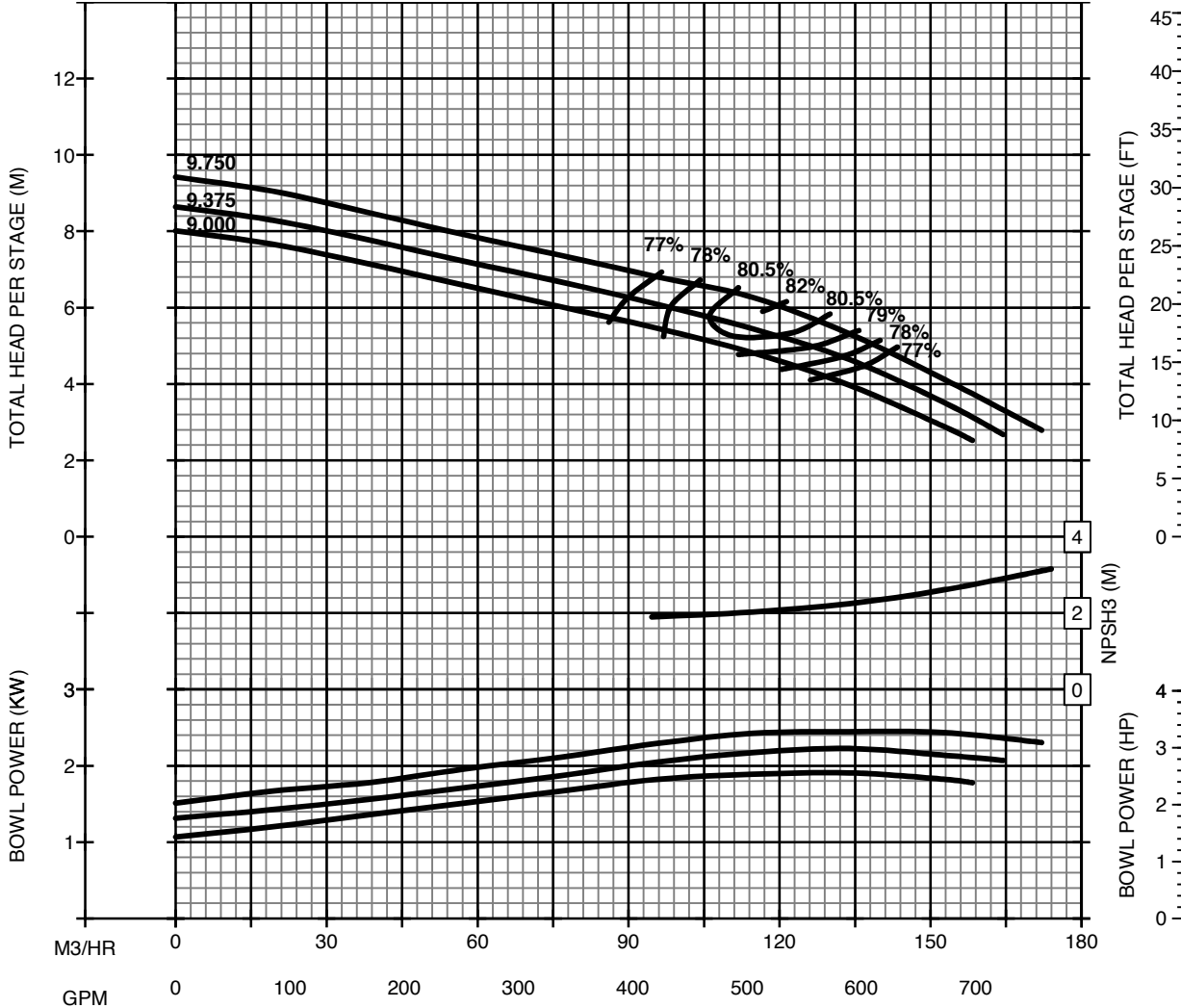
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E12LC**  
985 RPM

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

1 STG ( ) STG

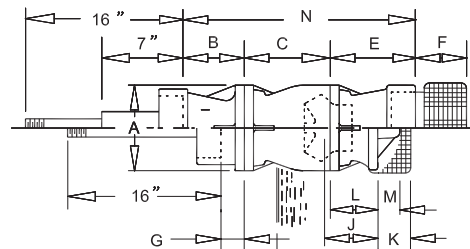


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

**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 <sup>2</sup> :	14.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE12LC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES



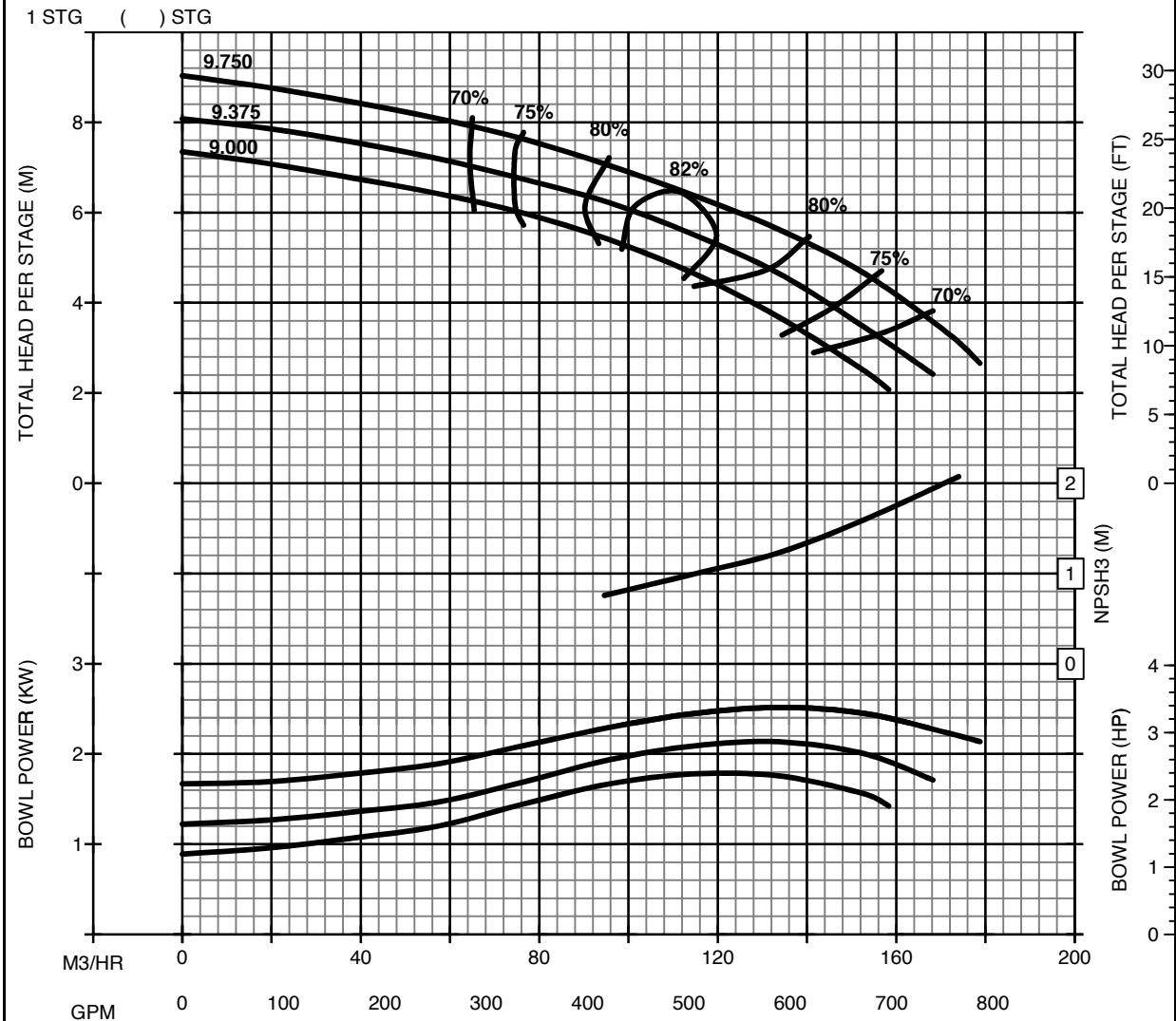


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**E12XMC**  
985 RPM

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

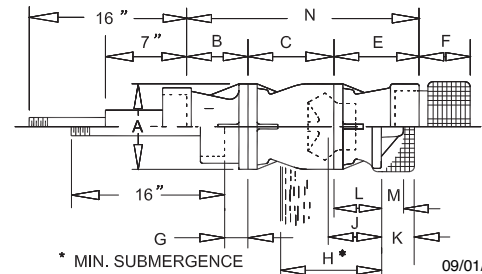


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.9	SUCTION SIZE:	8"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN <sup>2</sup> :	14.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE12XMC6P5CY

CURVE TEMPLATE 08.05.2011



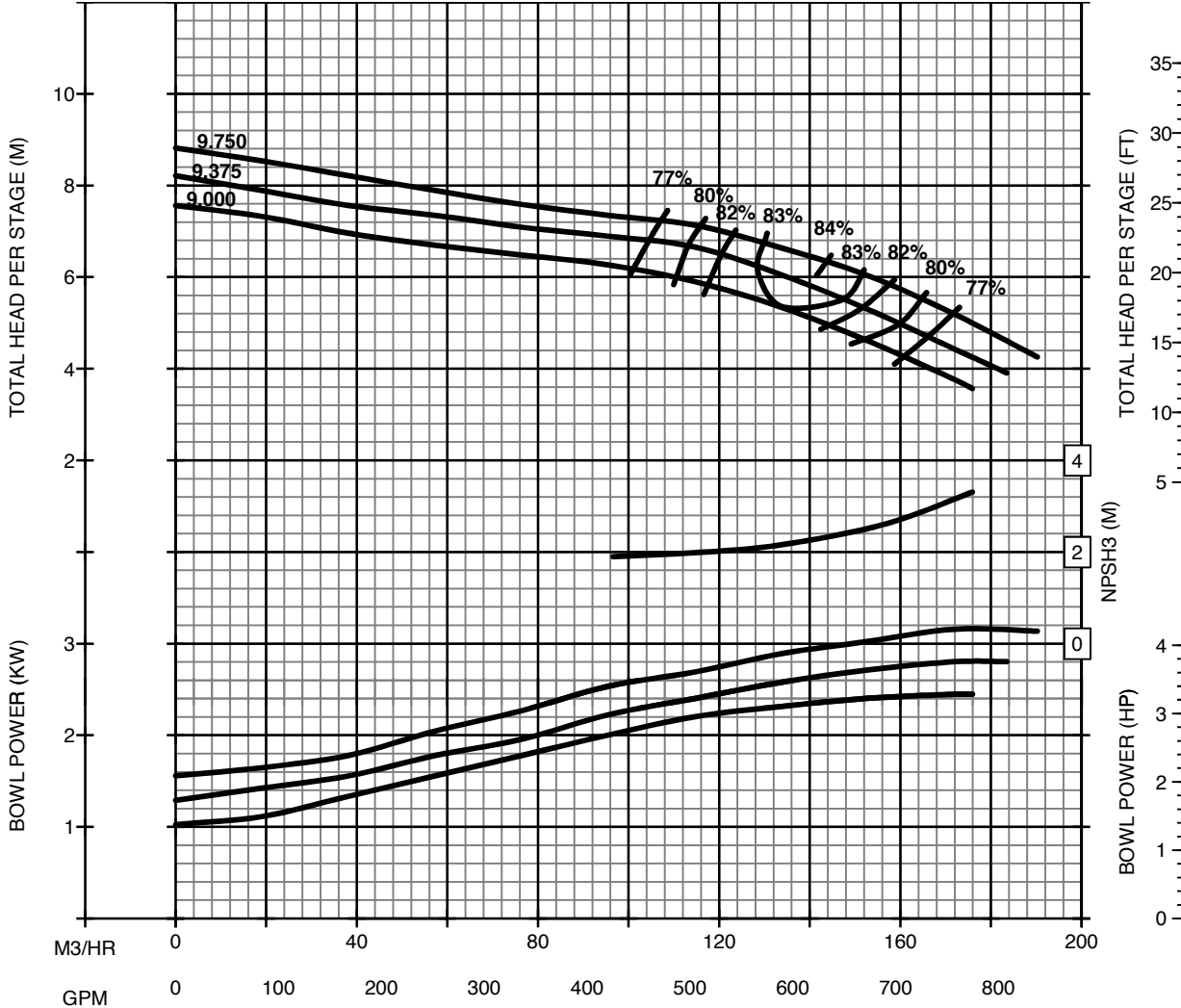
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E12MC**  
985 RPM

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

1 STG ( ) STG

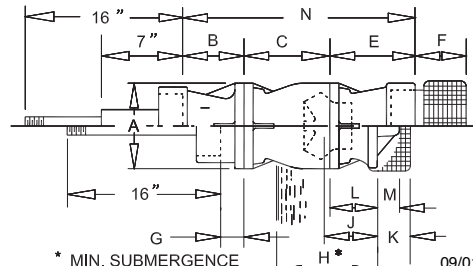


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	4.56	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

**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 <sup>2</sup> :	14.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE12MC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES

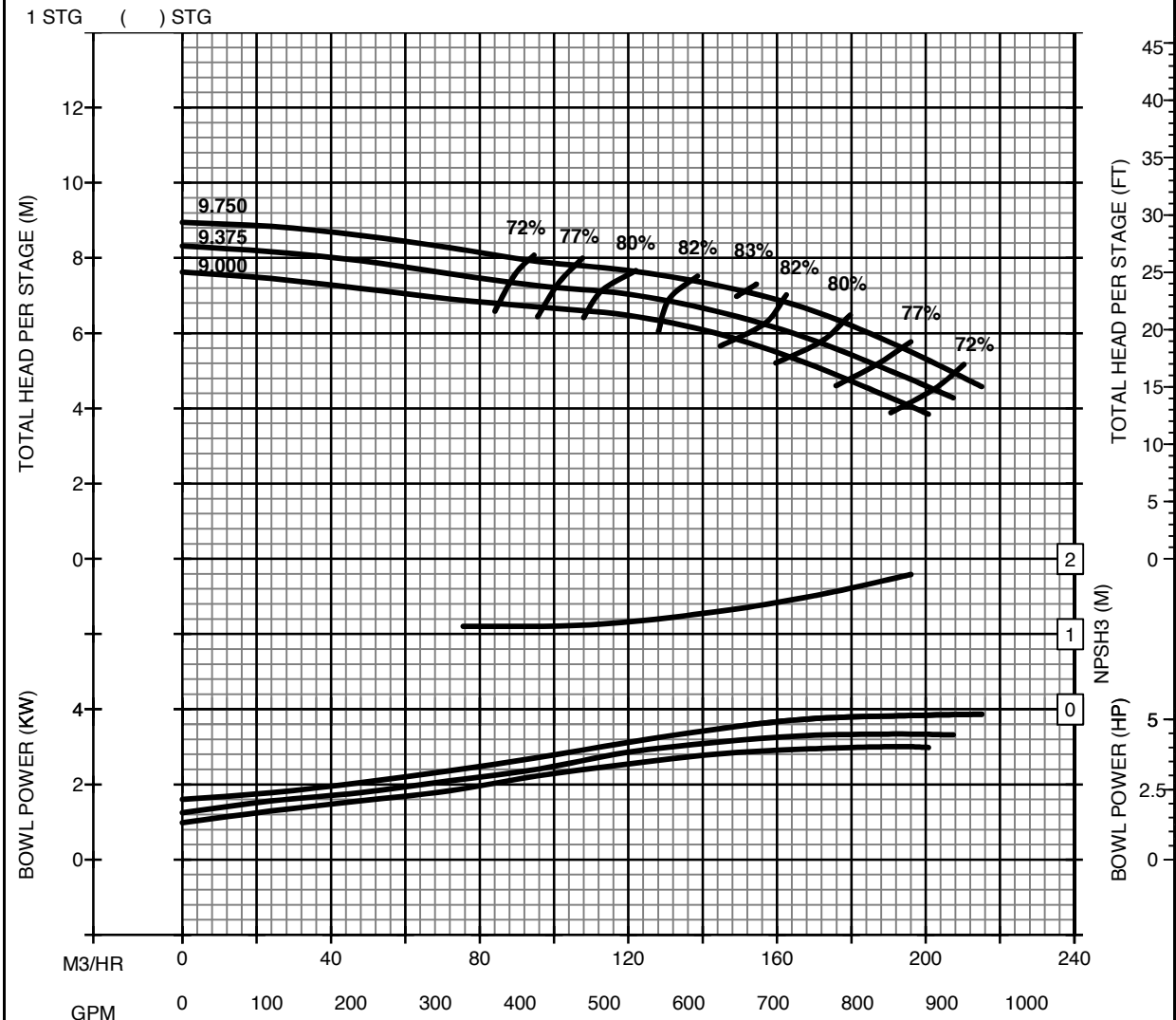


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**E12HC**  
985 RPM

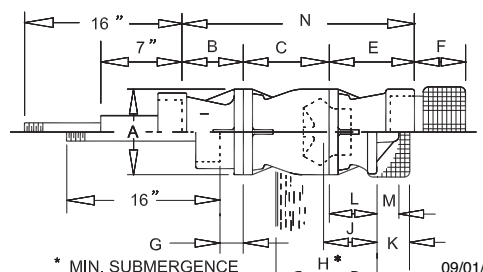
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



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:	6	DISCHARGE SIZE:	8"
THRUST CONSTANT:	7.3	SUCTION SIZE:	8"
LATERAL (STD):	1.0"	STD. TUBE:	2.5", 3.0"
EYE AREA IN <sup>2</sup> :	14.07	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

985  
CURVES



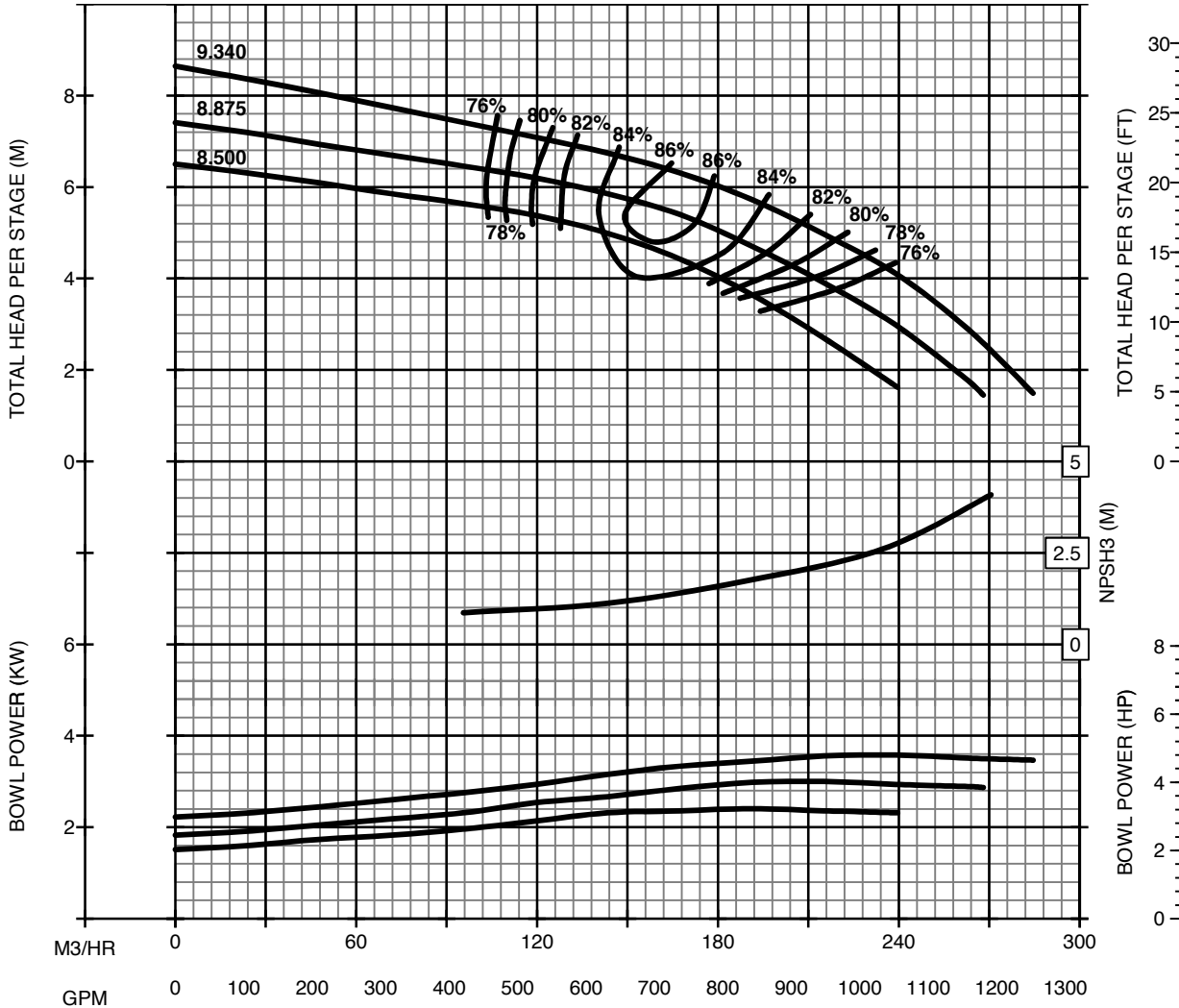
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K12HC**  
985 RPM

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

1 STG ( ) STG

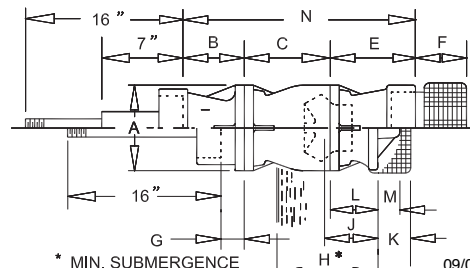


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	10.50	10.88	9.44	1.56	26.00	8.25	10.06	7.25	3.50	25.94

**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 <sup>2</sup> :	21.5	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK12HC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES

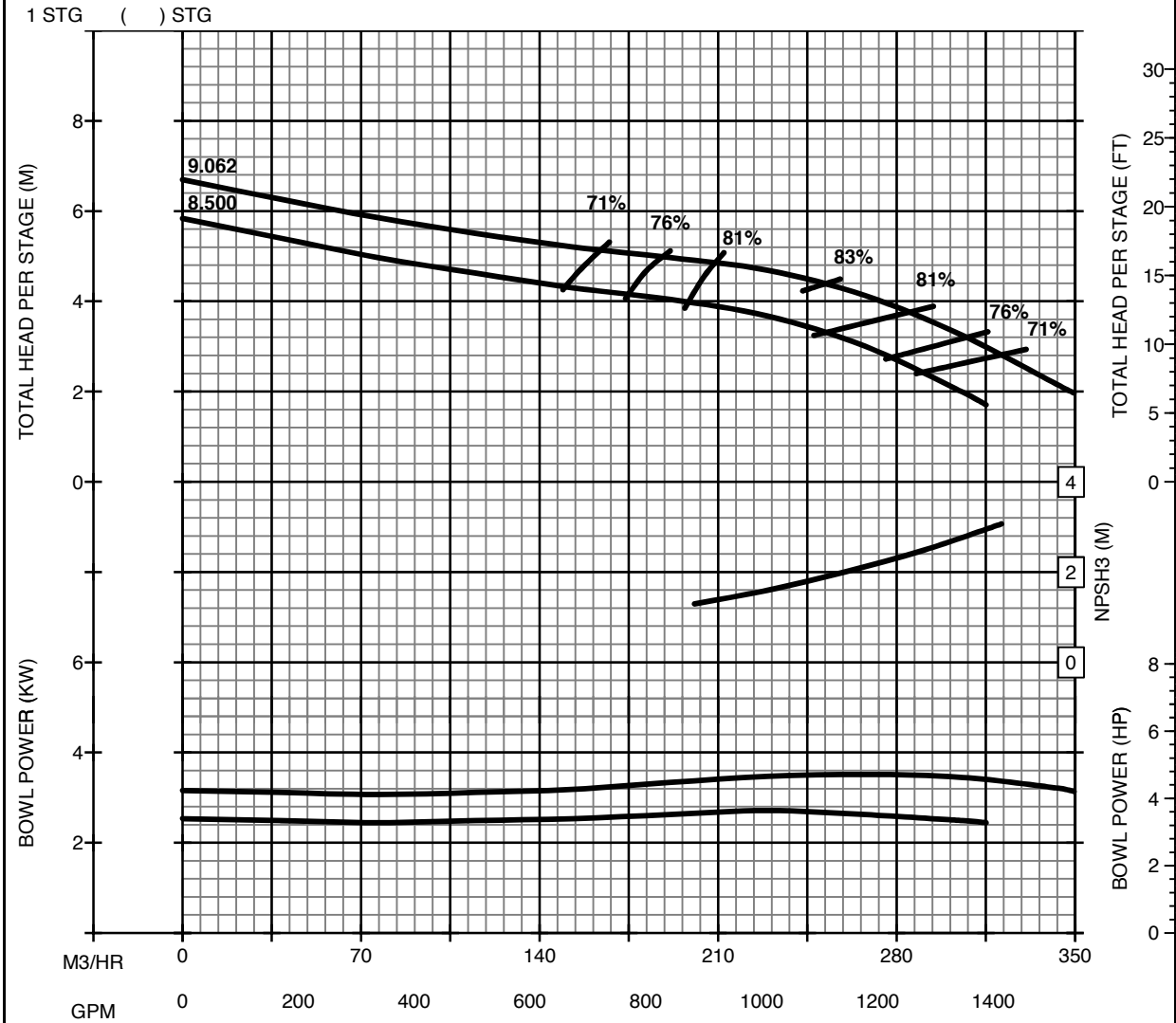


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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					

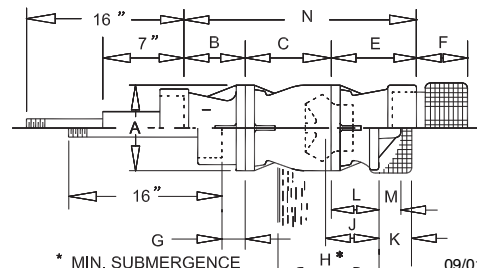


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.62	6.06	12.50	12.50	11.25	1.31	28.00	13.50	N/A	N/A	N/A	31.06

**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 <sup>2</sup> :	33.4	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

985  
CURVES

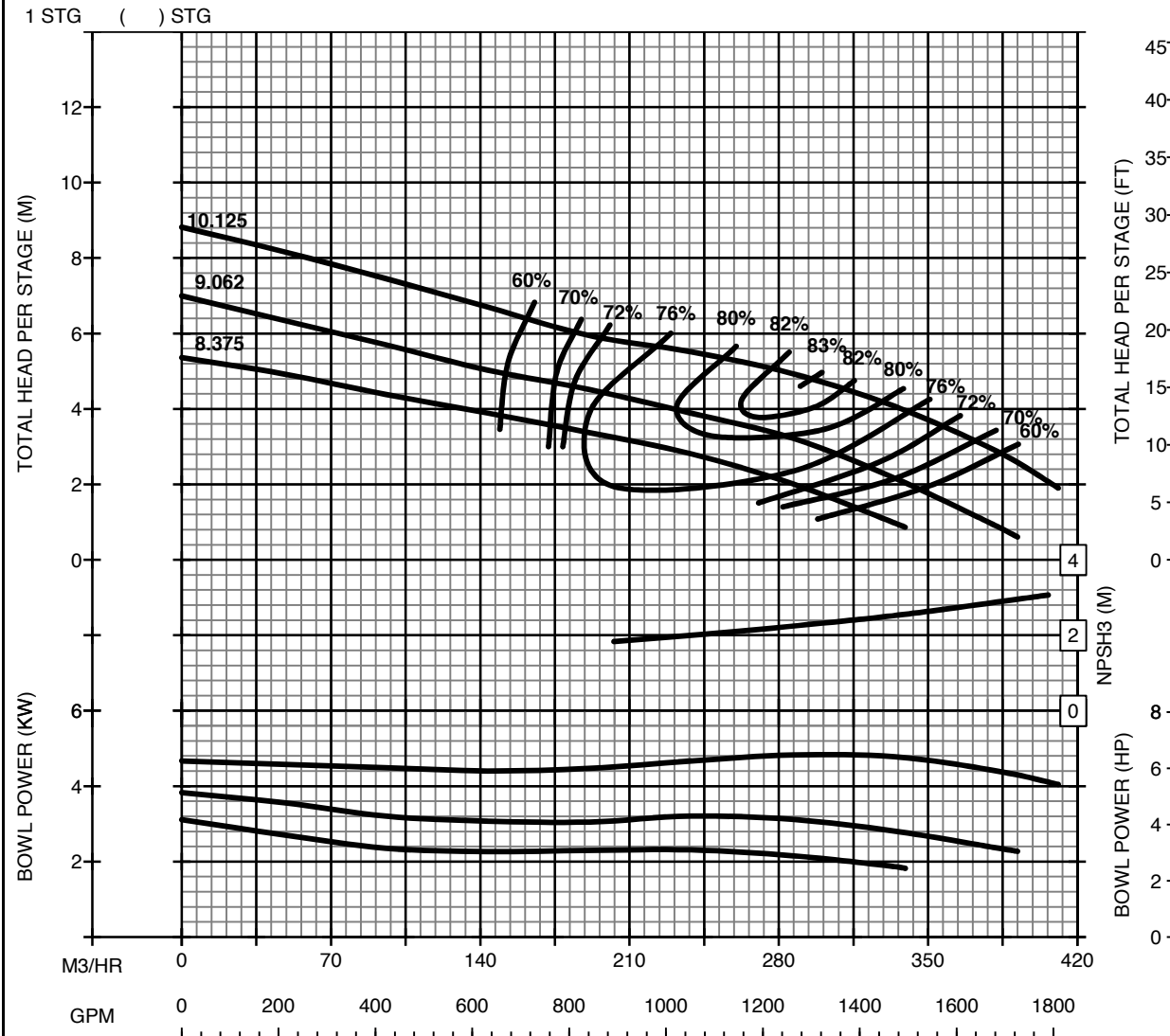


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**J12XHC**  
985 RPM

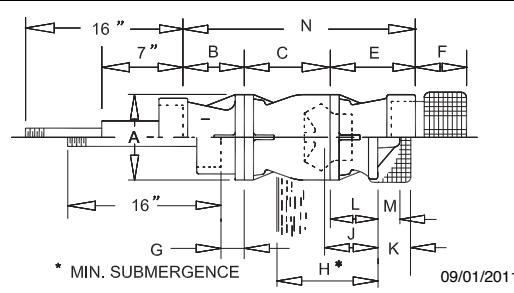
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	5	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-3	-2	-1	0					



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	11.75	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 <sup>2</sup> :	36.2	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.

09/01/2011  
CVJ12XHC6P5CY

985 CURVES

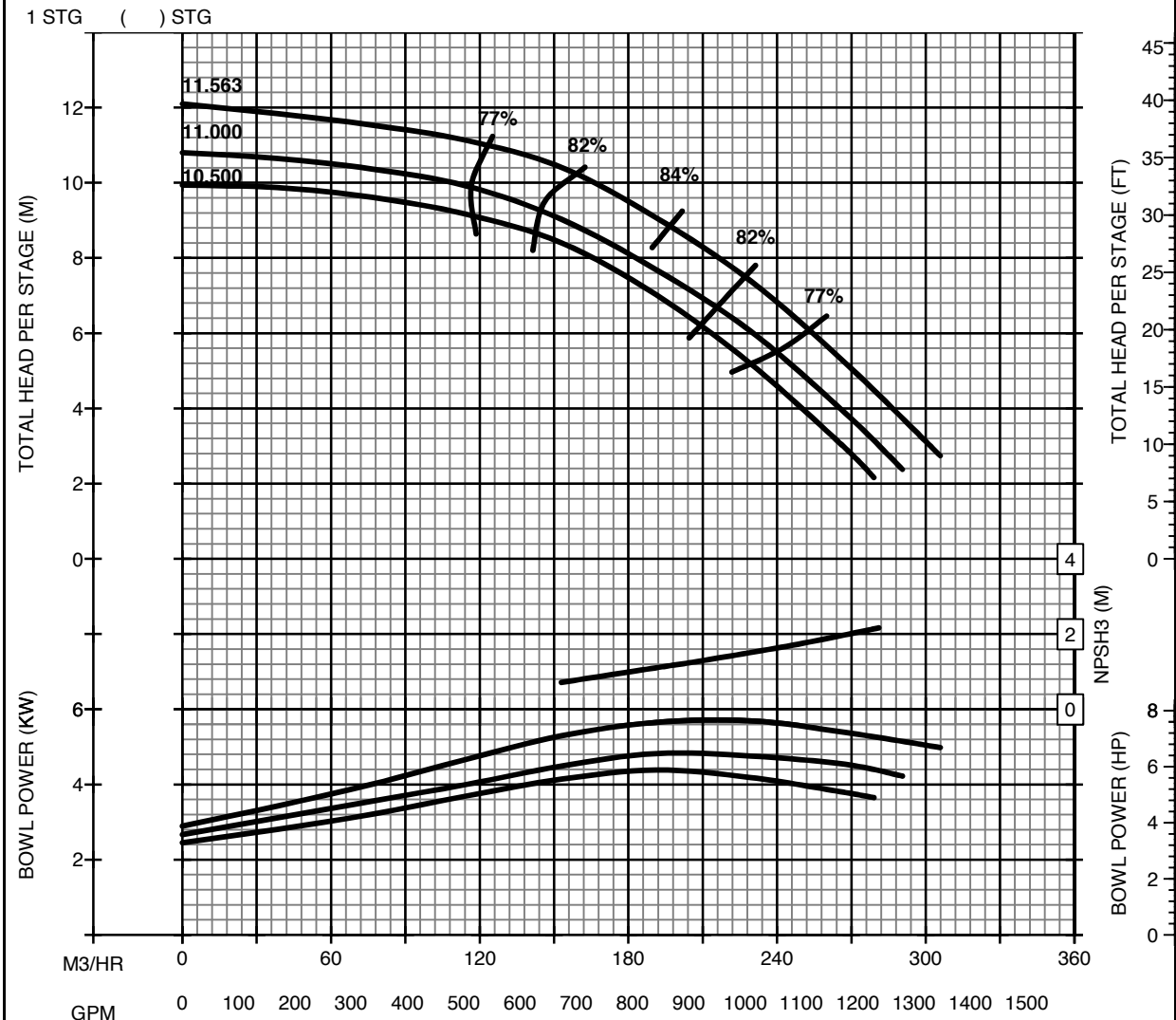


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M14MC**  
985 RPM

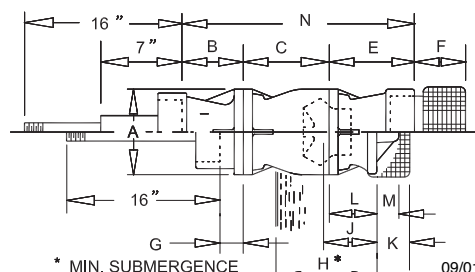
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0					



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 <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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 H\* 09/01/2011  
CVM14MC6P5CY



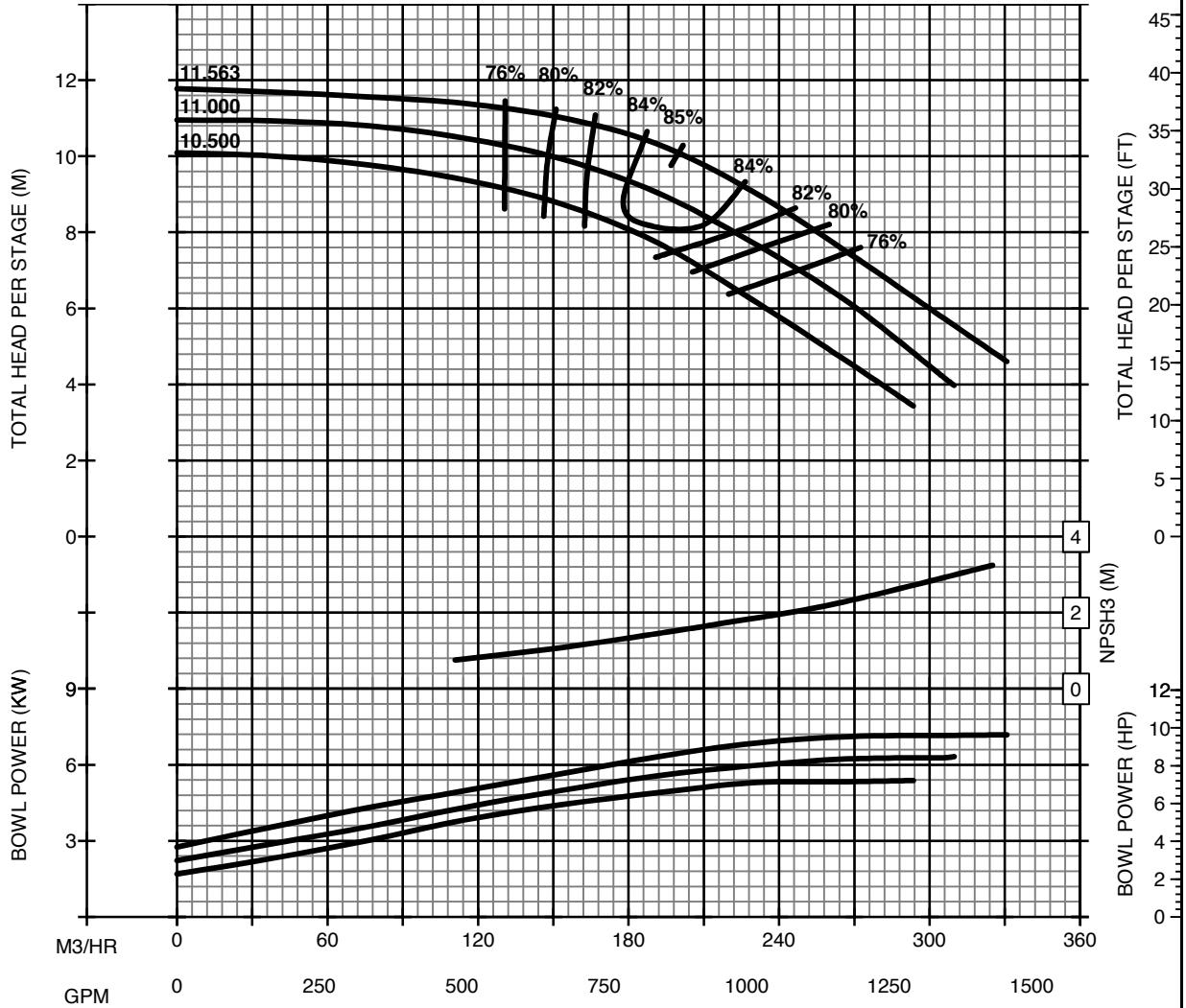
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M14HC**  
985 RPM

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

1 STG ( ) STG

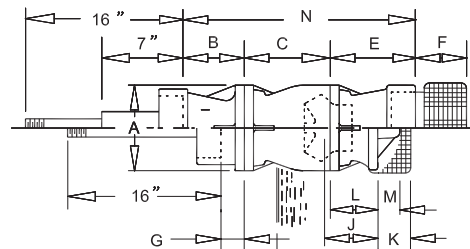


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

**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 <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

985  
CURVES



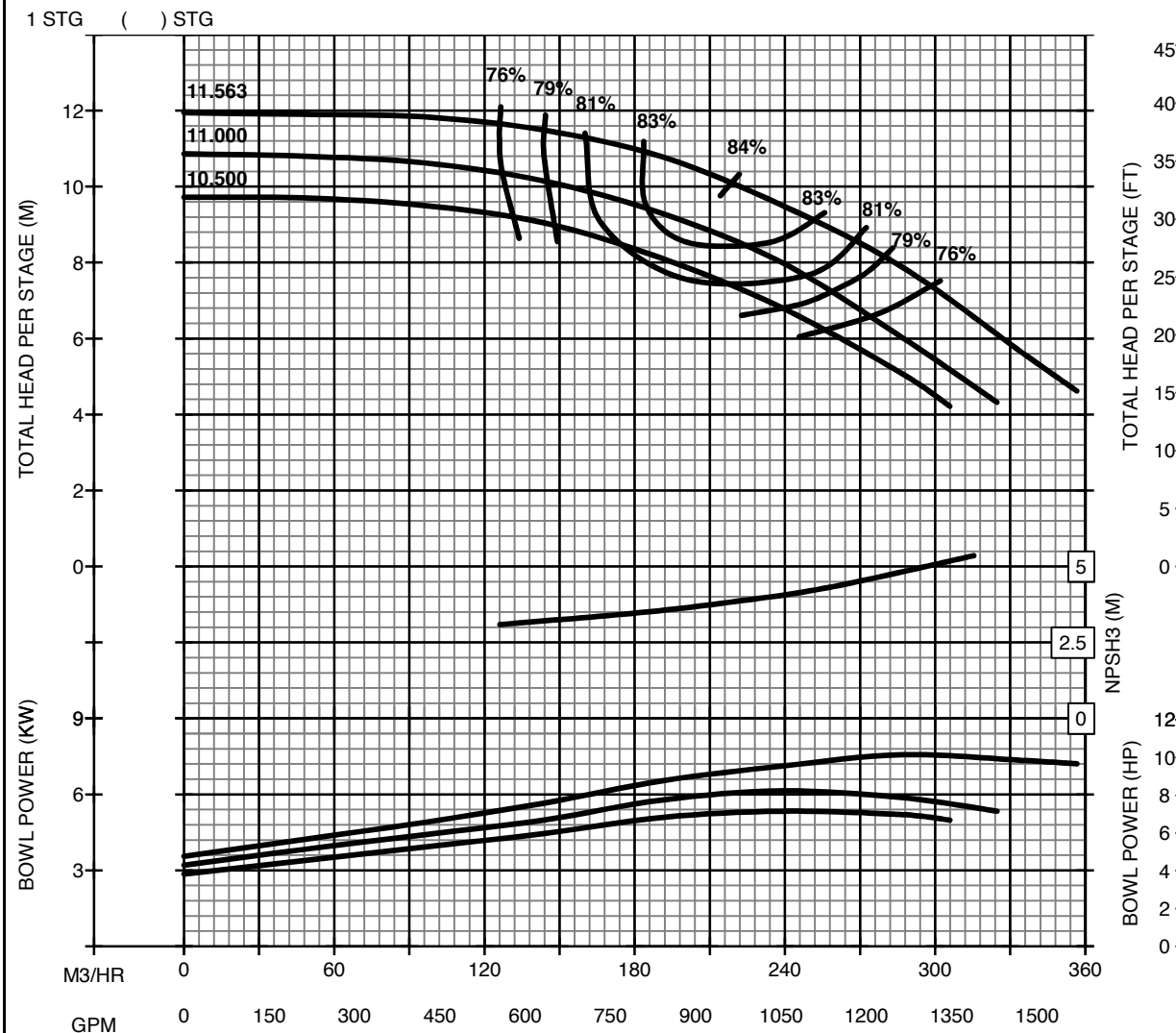


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**M14XHC**  
985 RPM

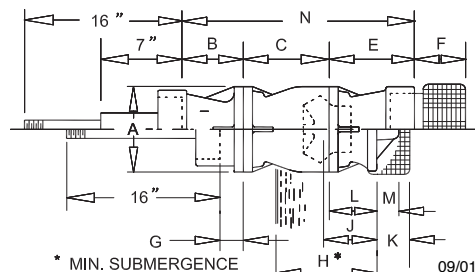
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0					



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 <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.

09/01/2011

CVM14XHC6P5CY

CURVE TEMPLATE 08.05.2011



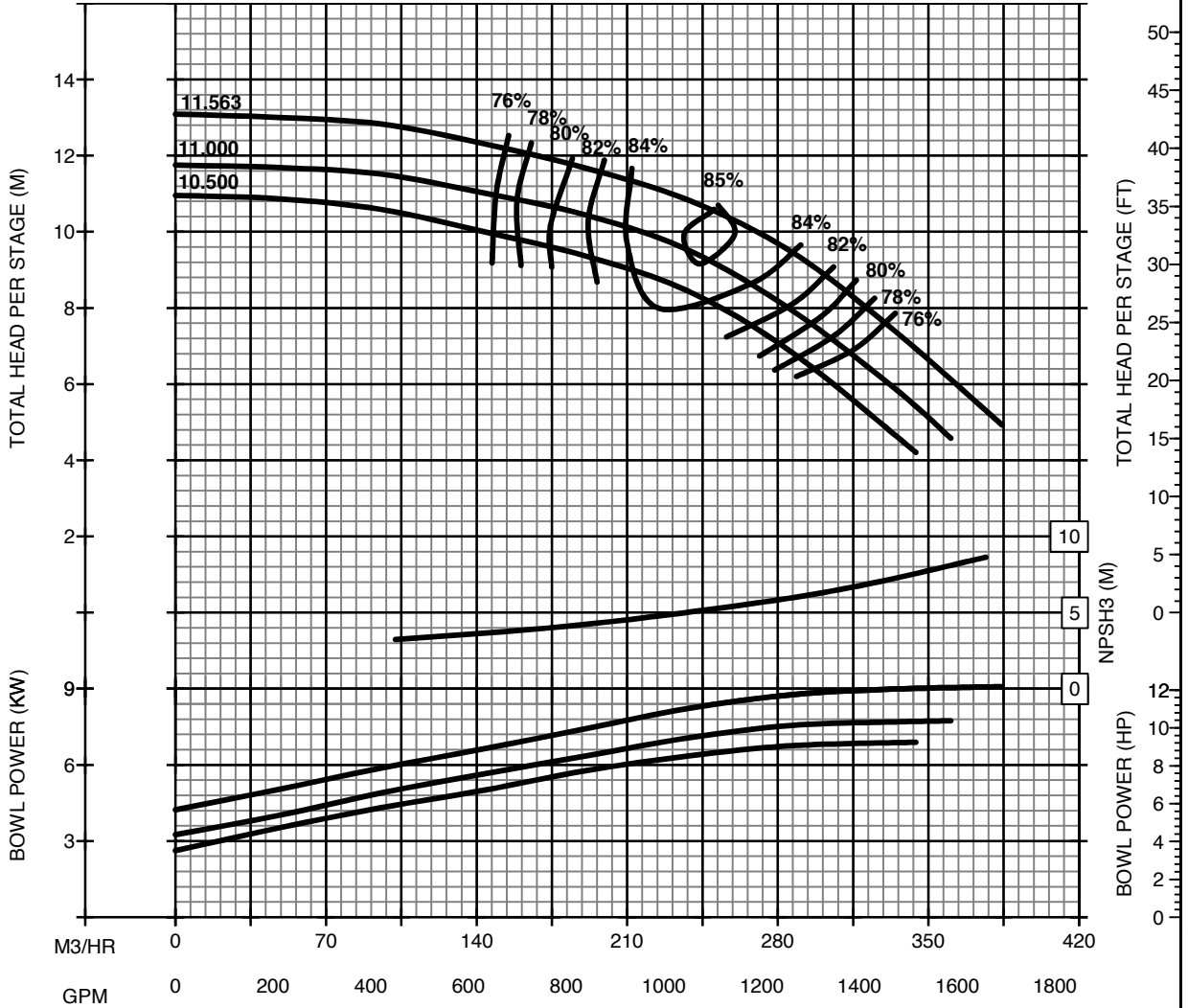
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**M14XXHC**  
985 RPM

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

1 STG ( ) STG

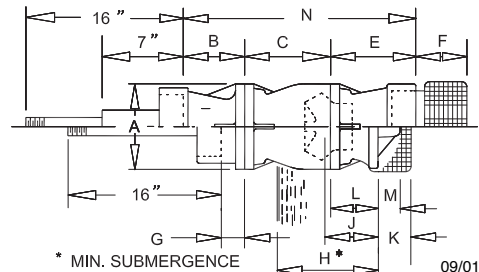


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	14.13	5.44	13.25	10.00	11.25	0.56	22.50	7.25	12.06	6.88	2.75	28.69

**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 <sup>2</sup> :	25.32	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVM14XXHC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES

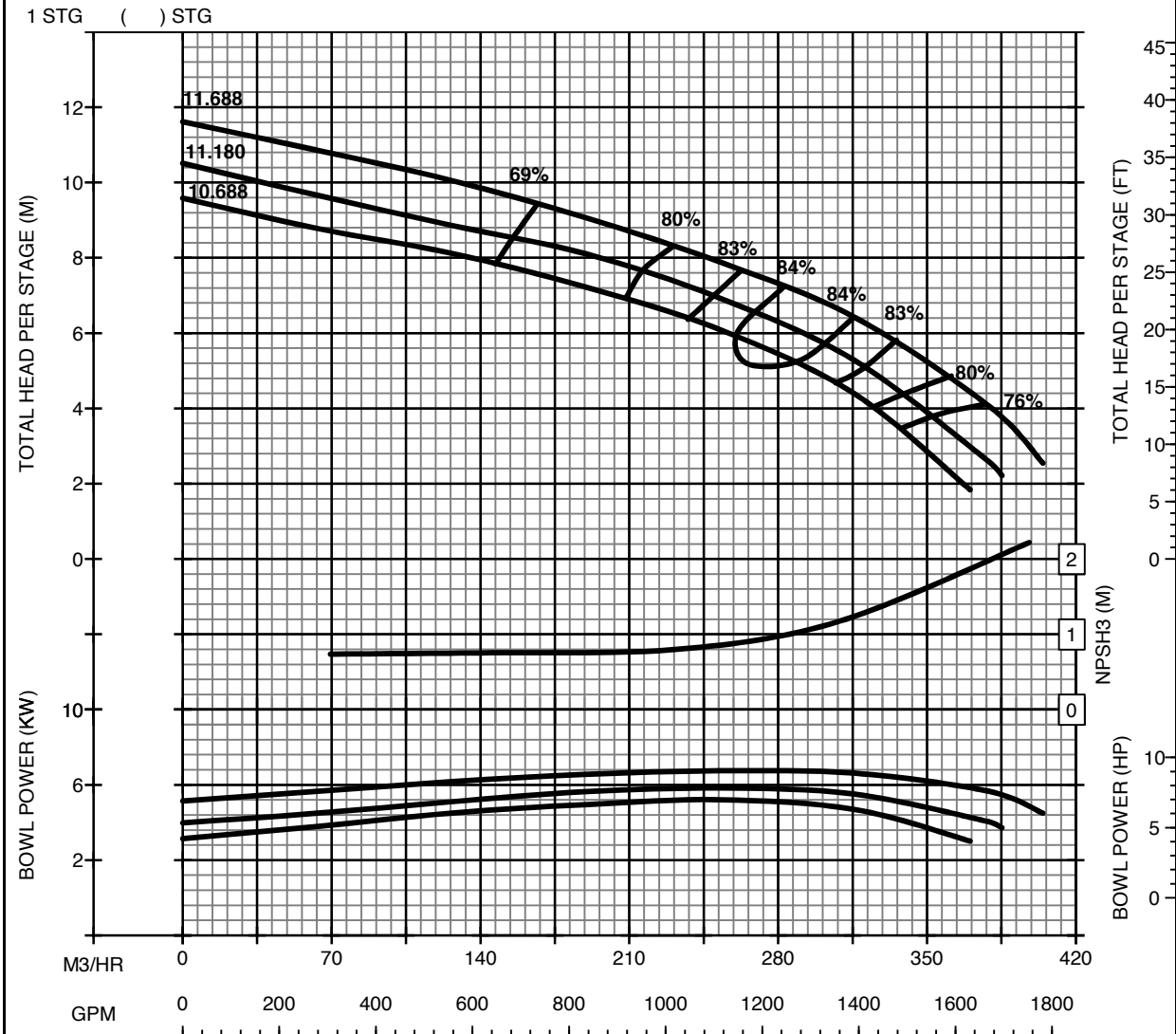


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H14LC**  
985 RPM

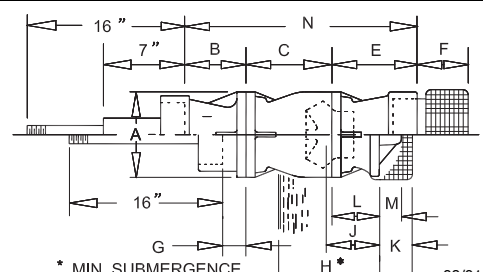
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-4	-2	0					



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 <sup>2</sup> :	39.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

09/01/2011  
CVH14LC6P5CY

985  
CURVES



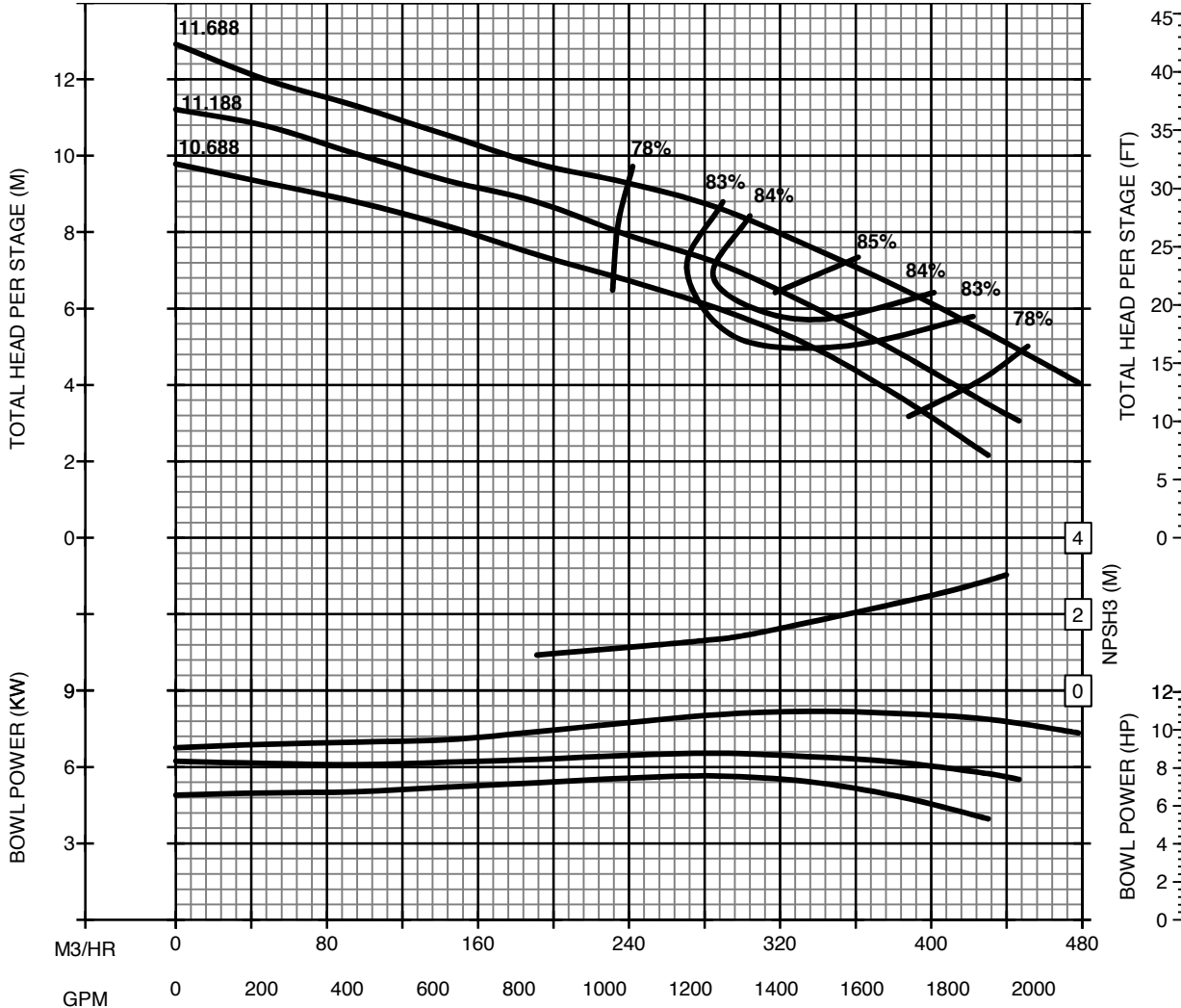
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H14MC**  
985 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
	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
	14.13	6.44	14.12	12.25	11.25	0.56	25.00	8.75	12.06	7.38	2.81	32.81

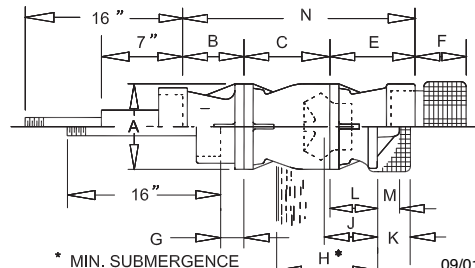
**PUMP DATA**

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 <sup>2</sup> :	38.96	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH14MC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES

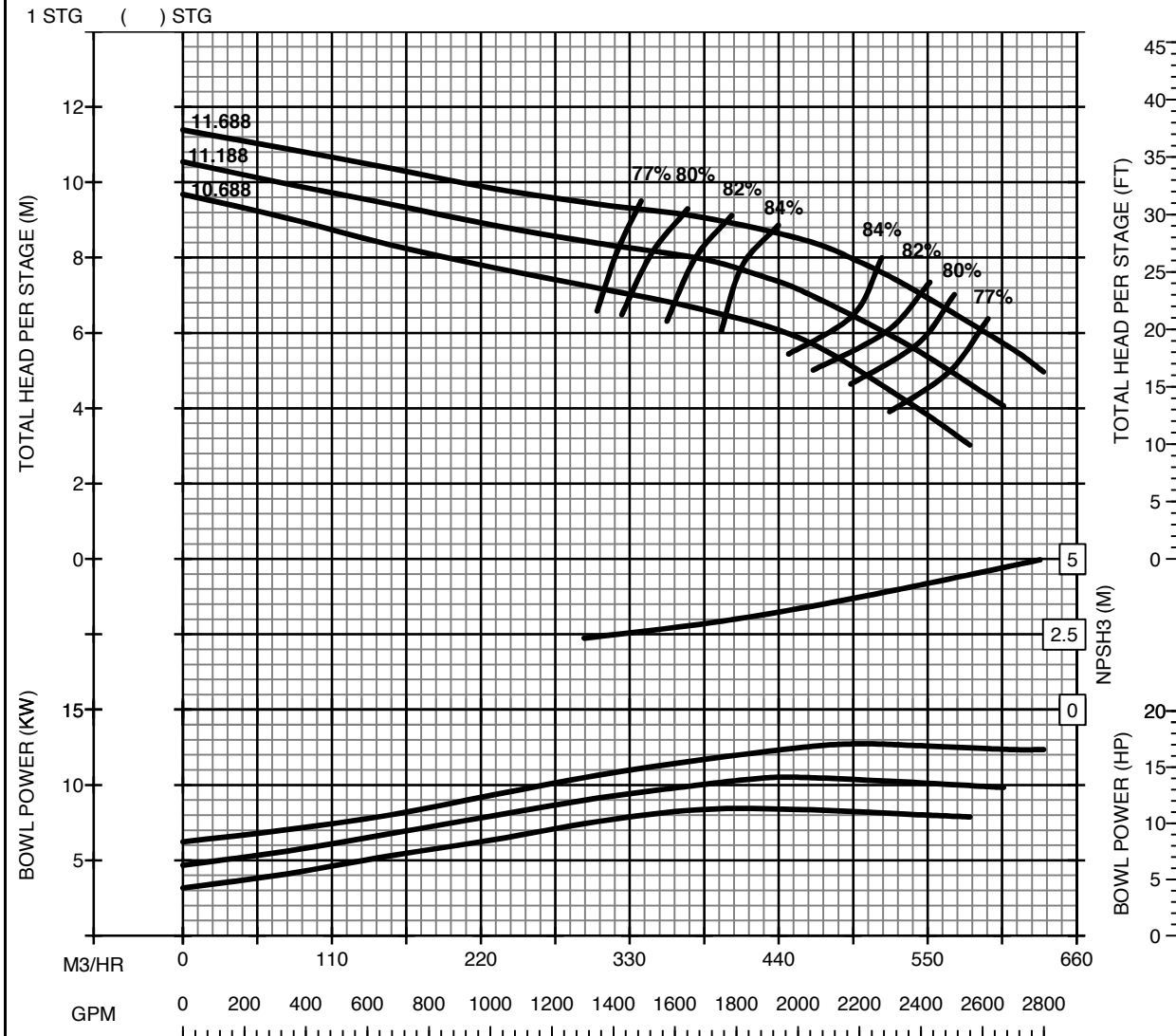


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H14XHC**  
985 RPM

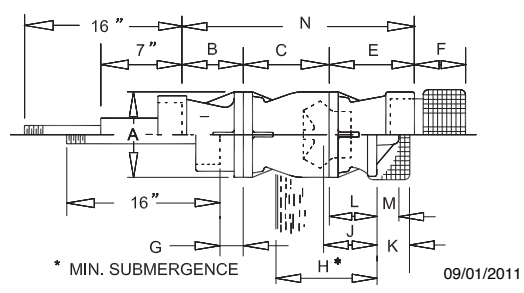
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3		DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0						



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G**	H*	J	K	L	M	N
	14.13	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 <sup>2</sup> :	38.96	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

985  
CURVES



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



**H16MC**  
985 RPM

CHANGE EFFICIENCY AS FOLLOWS

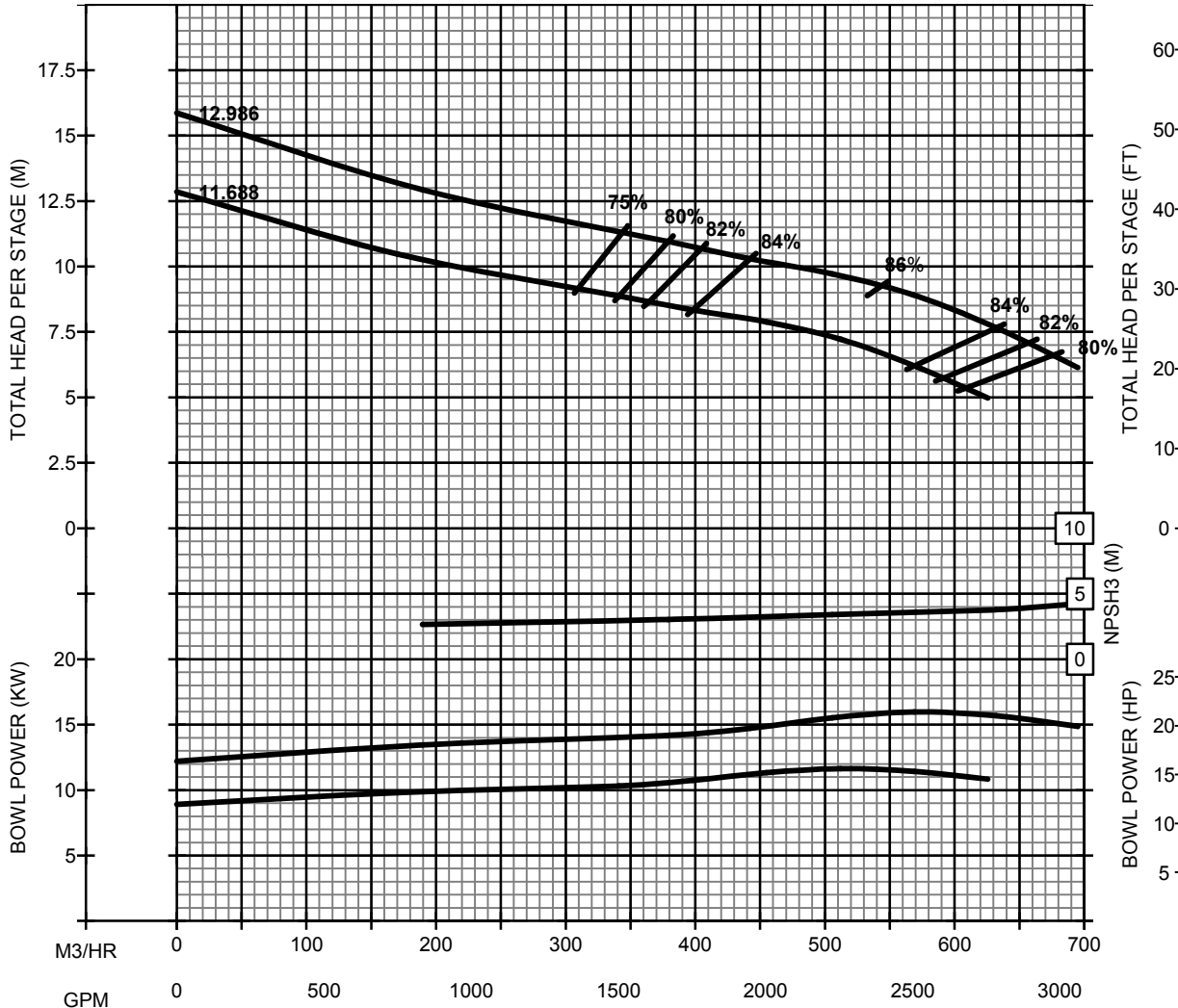
NUMBER OF STAGES  
NUMBER OF POINTS

1	2	3	
-4	-2	0	

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

TEMPORARY CURVE, CONTACT FACTORY

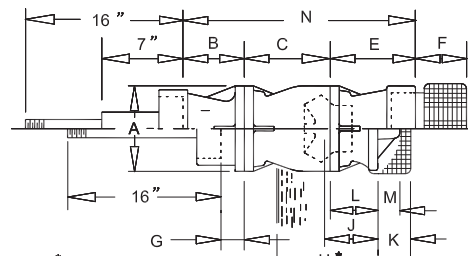


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

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 <sup>2</sup> :	58.7	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

09/01/2011

CVH16MC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES



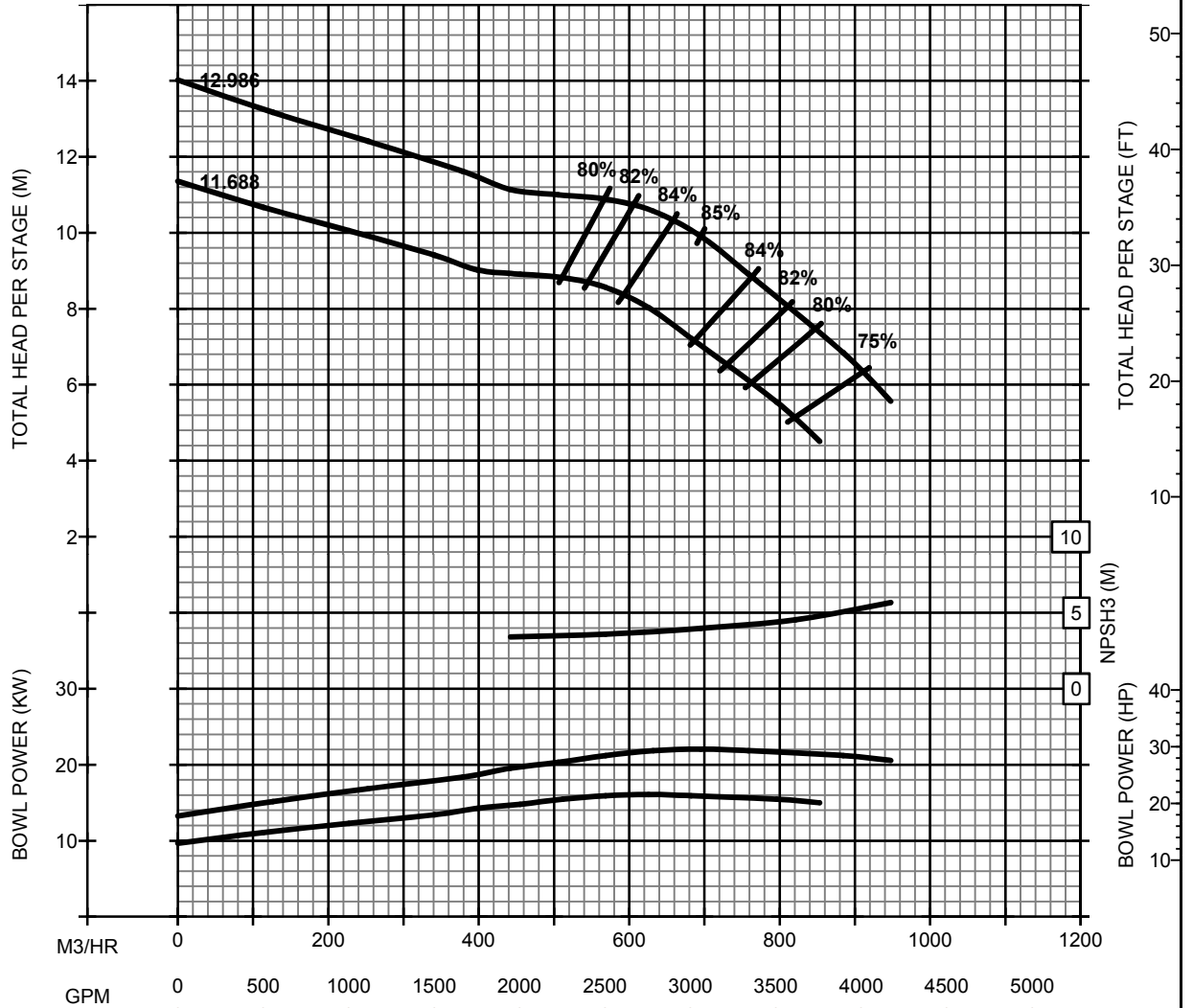
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H16XHC**  
985 RPM

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

1 STG ( ) STG **TEMPORARY CURVE, CONTACT FACTORY**

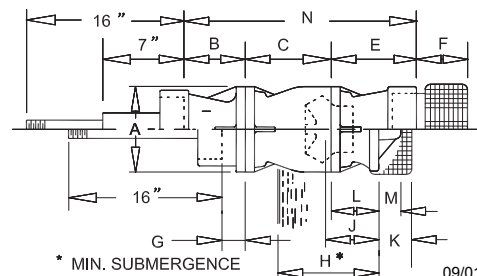


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	15.63	6.44	14.69	N/A	9.97	1.81	48.00	12.00	16.00	9.97	2.26	N/A

**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 <sup>2</sup> :	58.7	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH16XHC6P5CY

CURVE TEMPLATE 08.05.2011



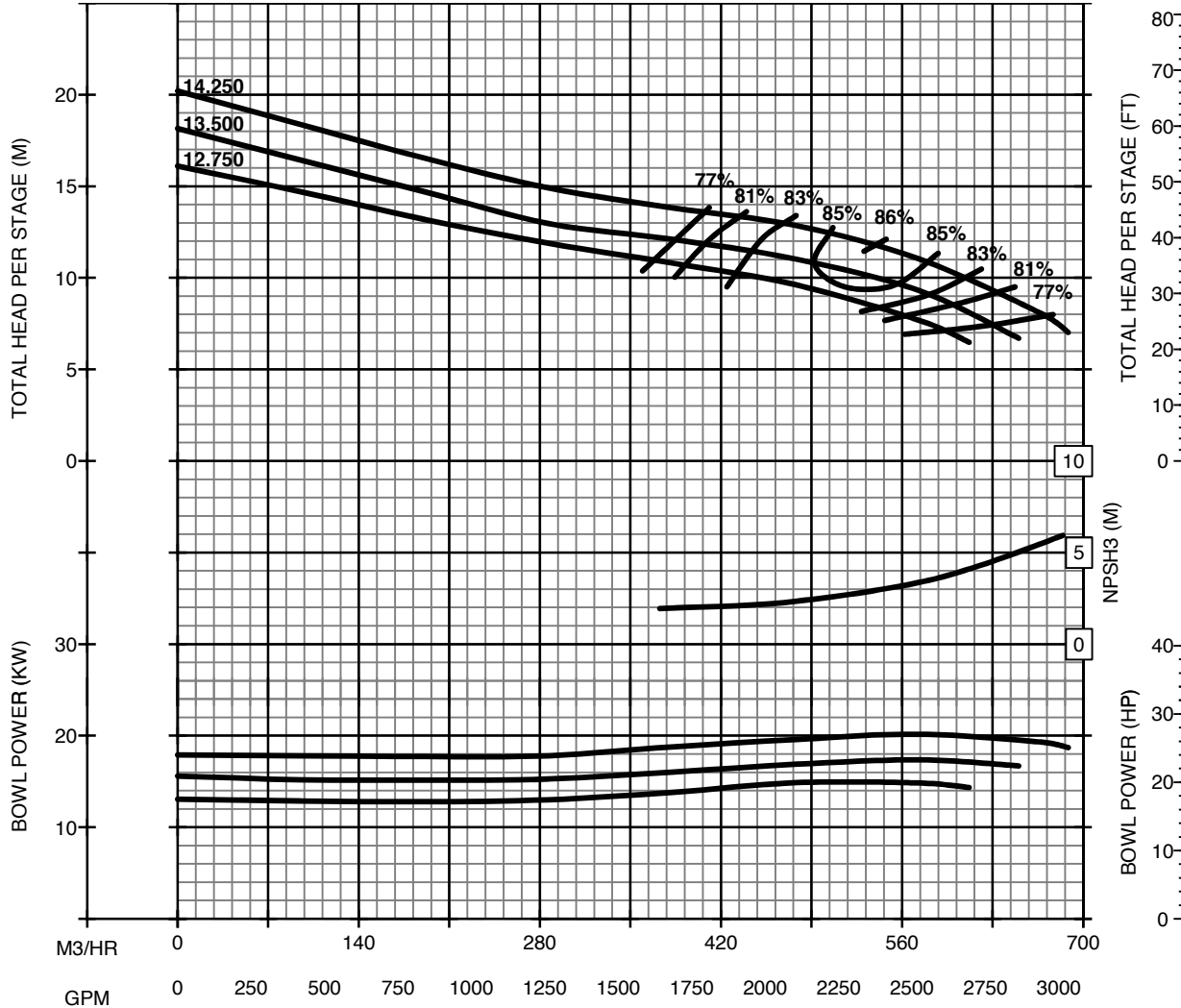
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E18LC**  
985 RPM

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

1 STG ( ) STG

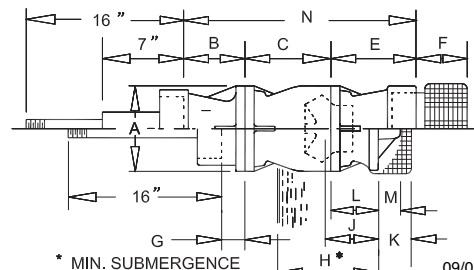


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

**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 <sup>2</sup> :	63.88	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVE18LC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES



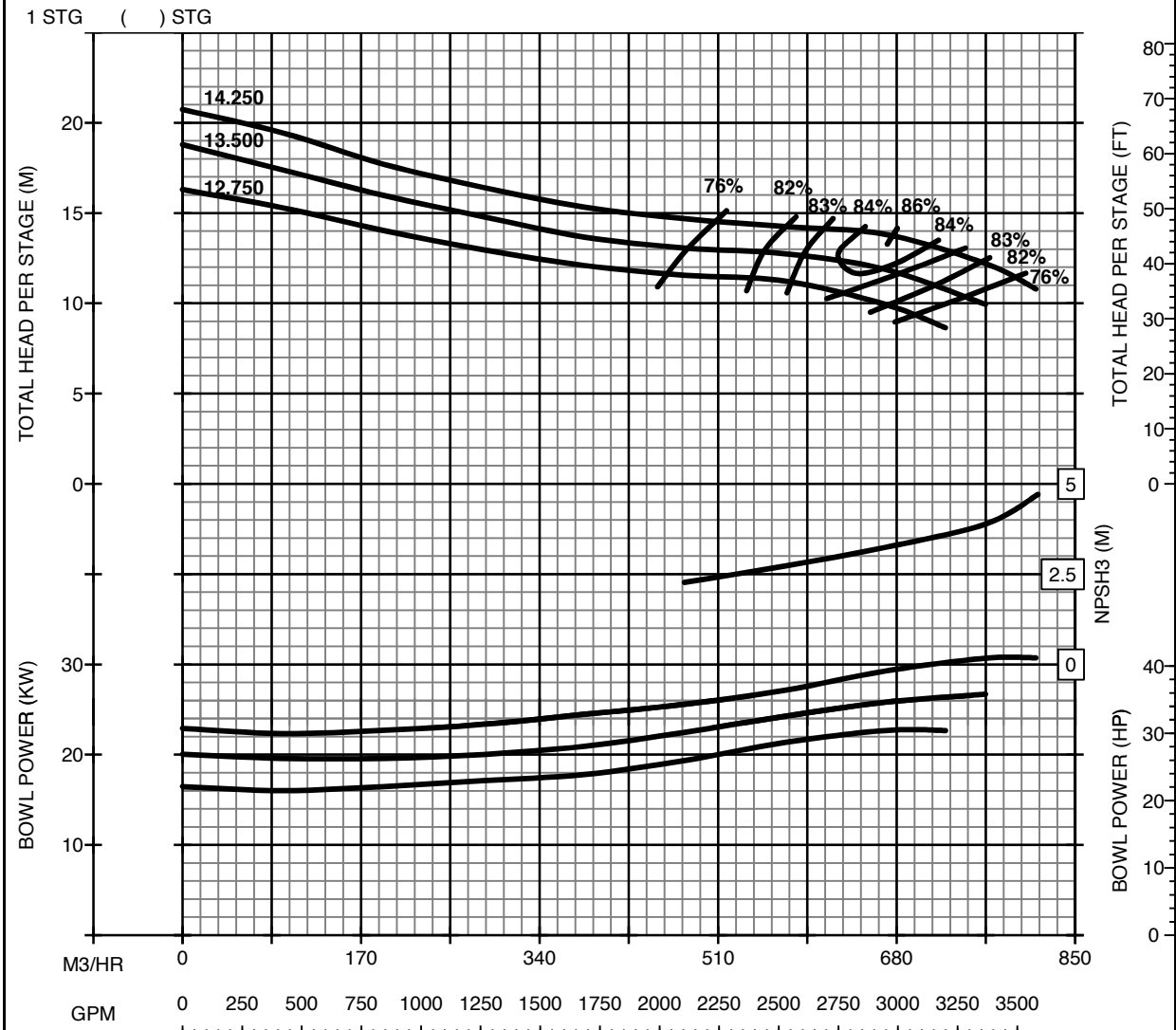


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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					

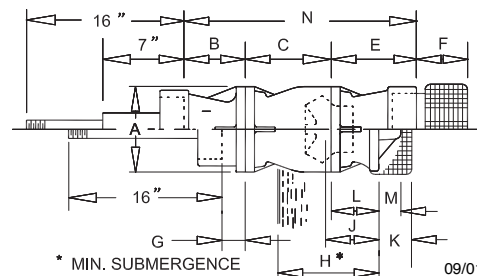


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

**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 <sup>2</sup> :	63.88	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

985  
CURVES



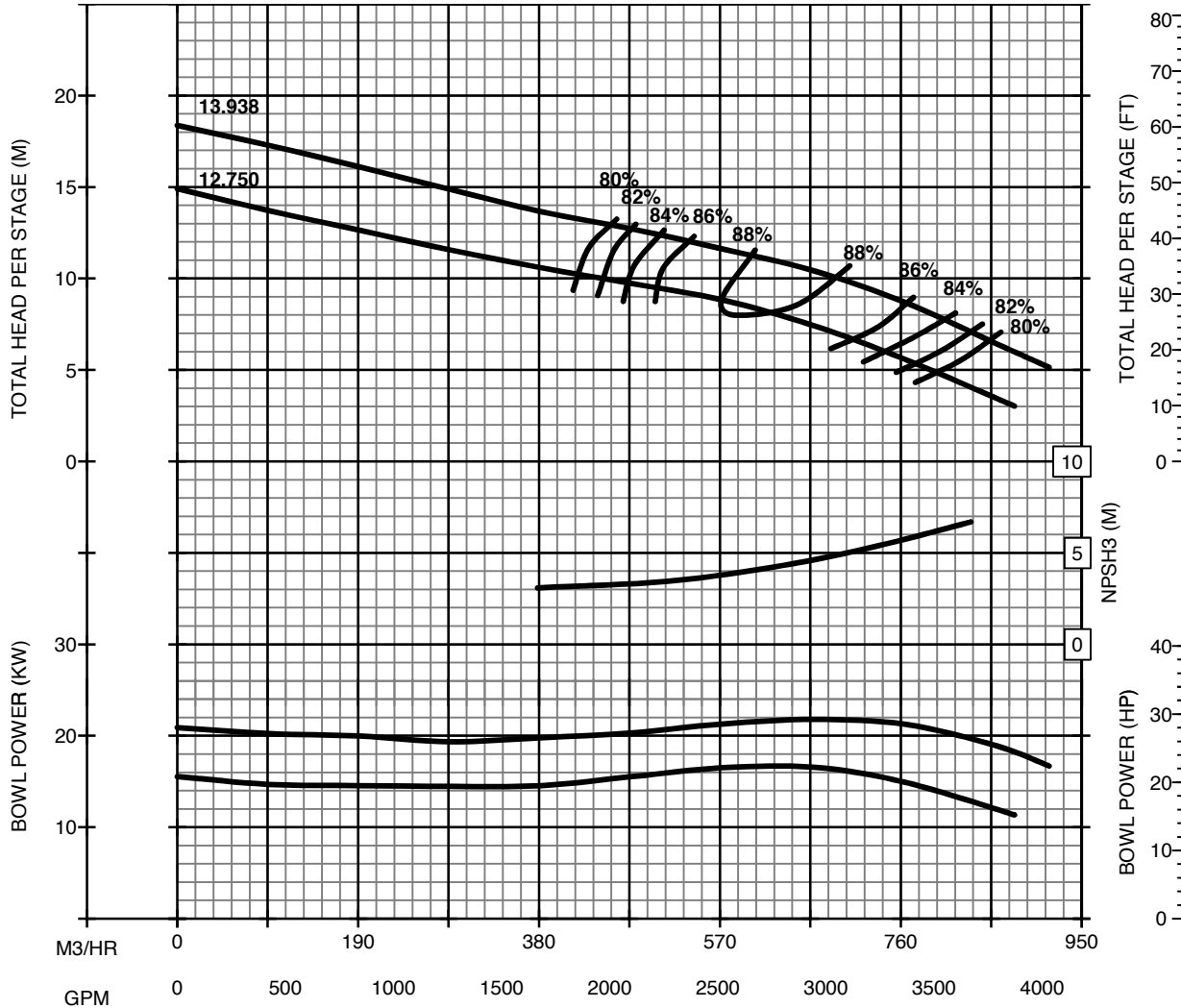
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K20LC**  
985 RPM

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

1 STG ( ) STG

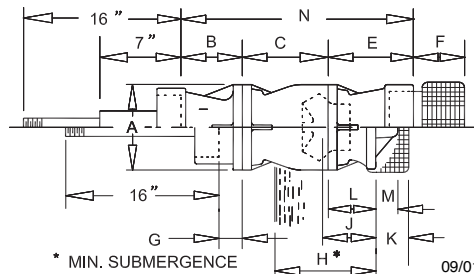


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

**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 <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

985  
CURVES

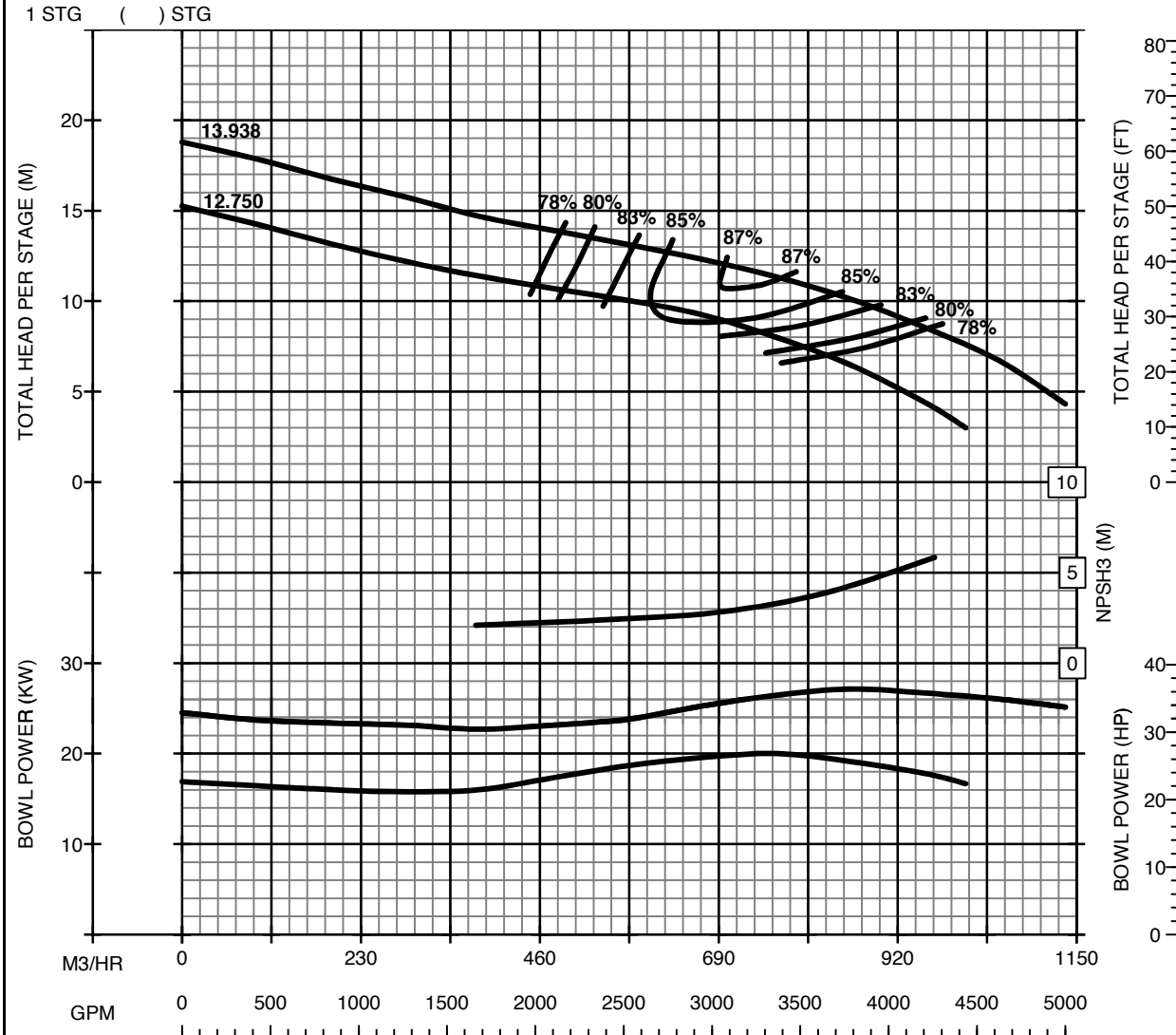


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K20MC**  
985 RPM

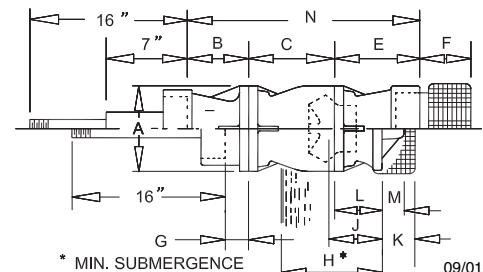
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	0							



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
NO. OF VANES:	6
THRUST CONSTANT:	33.0
LATERAL (STD):	1.00
EYE AREA IN <sup>2</sup> :	72.6
SHAFT DIA:	2.438
BOWL CONNECTION:	FLANGED
DISCHARGE SIZE:	12", 14"
SUCTION SIZE:	BELL
STD. TUBE:	4"
WR <sup>2</sup> LB-FT <sup>2</sup> :	20.26
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  
CVK20MC6P5CY

985  
CURVES



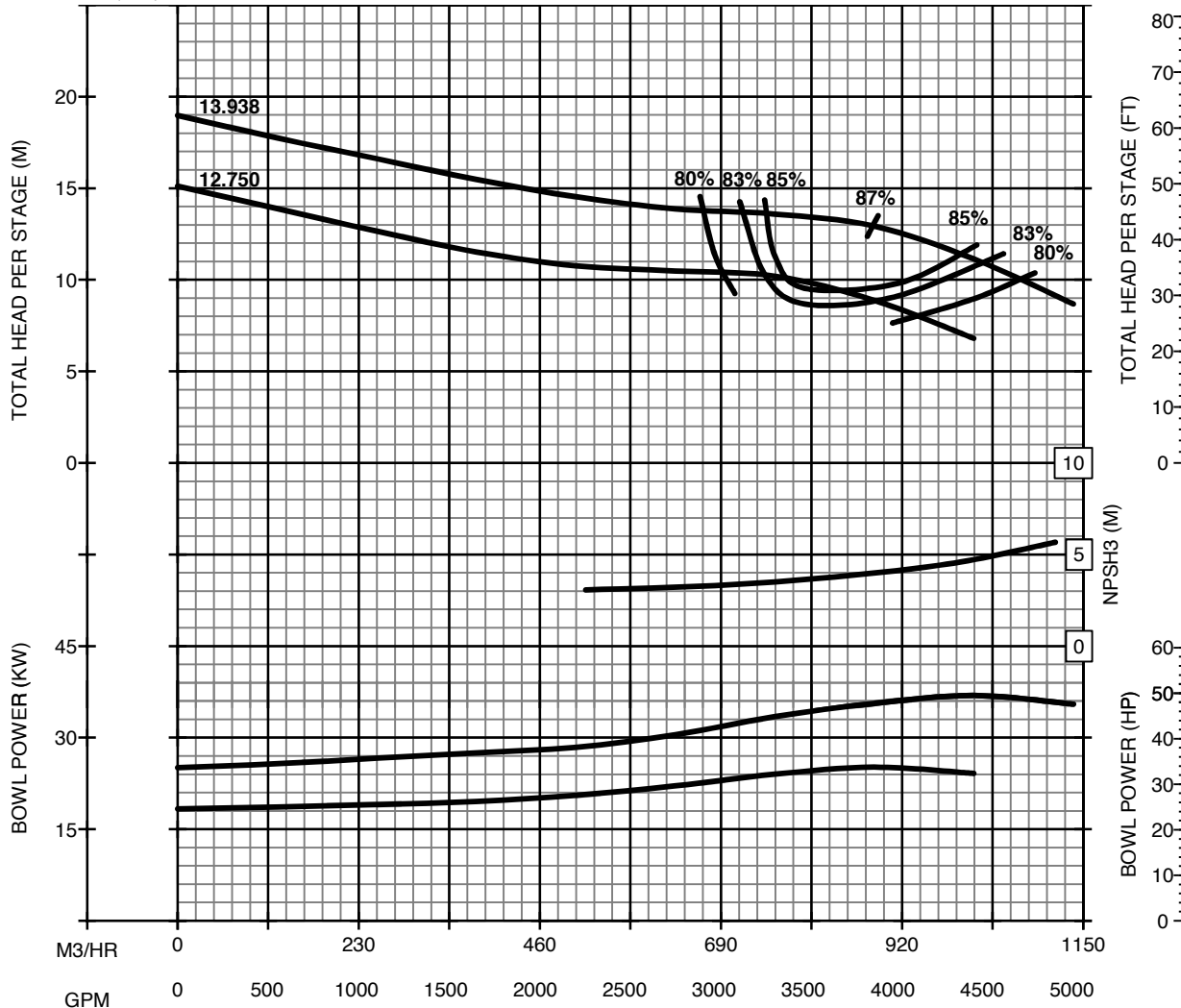
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K20HC**  
985 RPM

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

1 STG ( ) STG

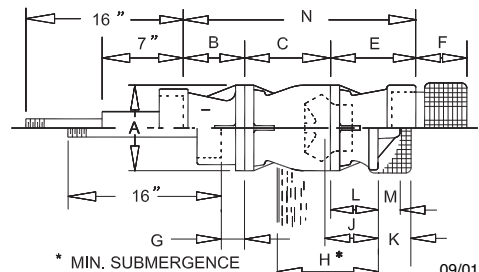


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	N/A	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.13	N/A

**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 <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK20HC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES

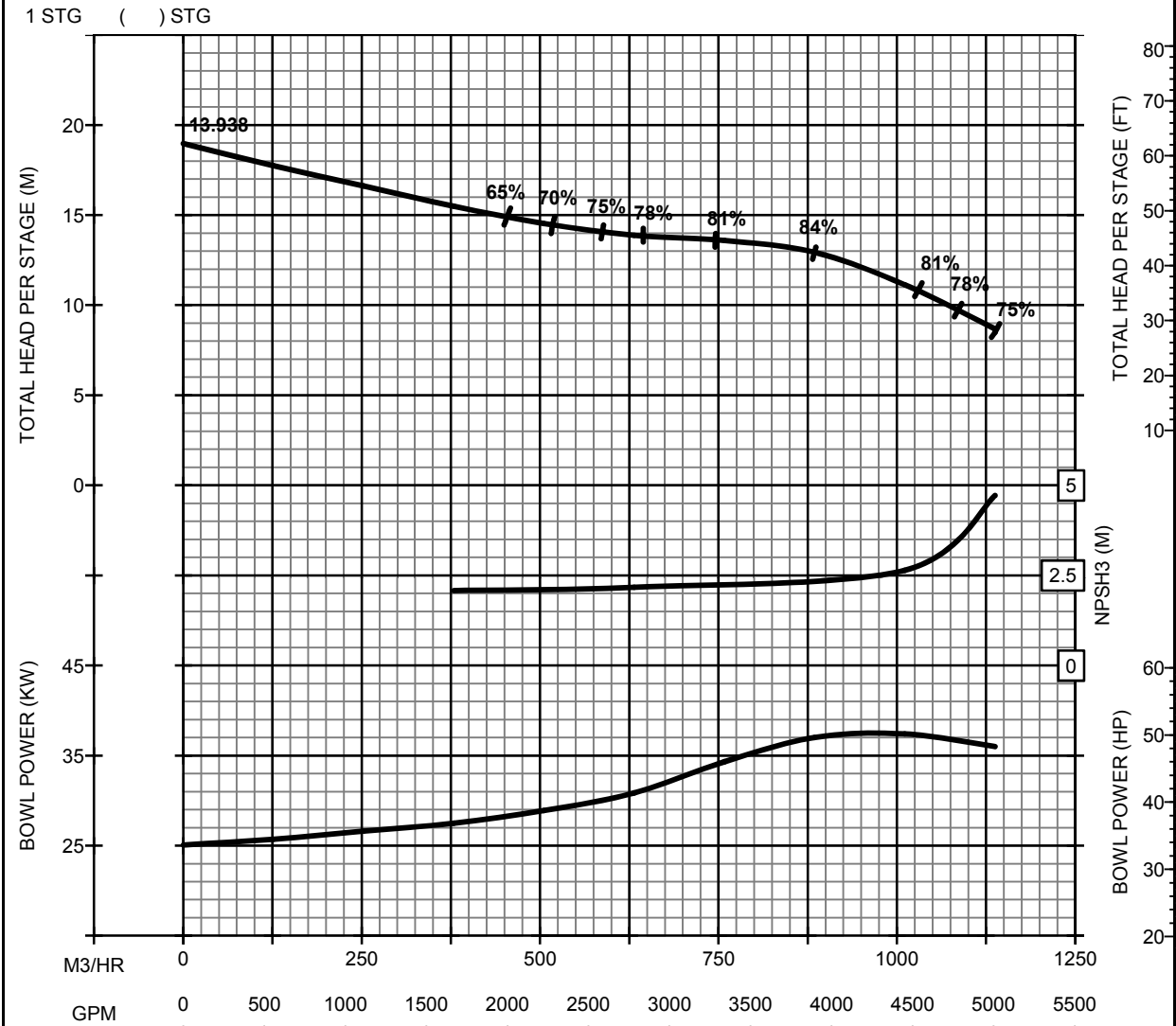


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K20HC-S**  
985 RPM

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



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**

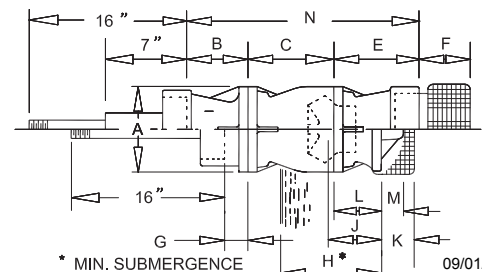
IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	35.2	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	83.91	WR <sup>2</sup> LB-FT <sup>2</sup> :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730
		ADD STG WT LB:	510

\*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\*\*\*



09/01/2011

CVK20HC-S6P5CY

CURVE TEMPLATE 08.05.2011

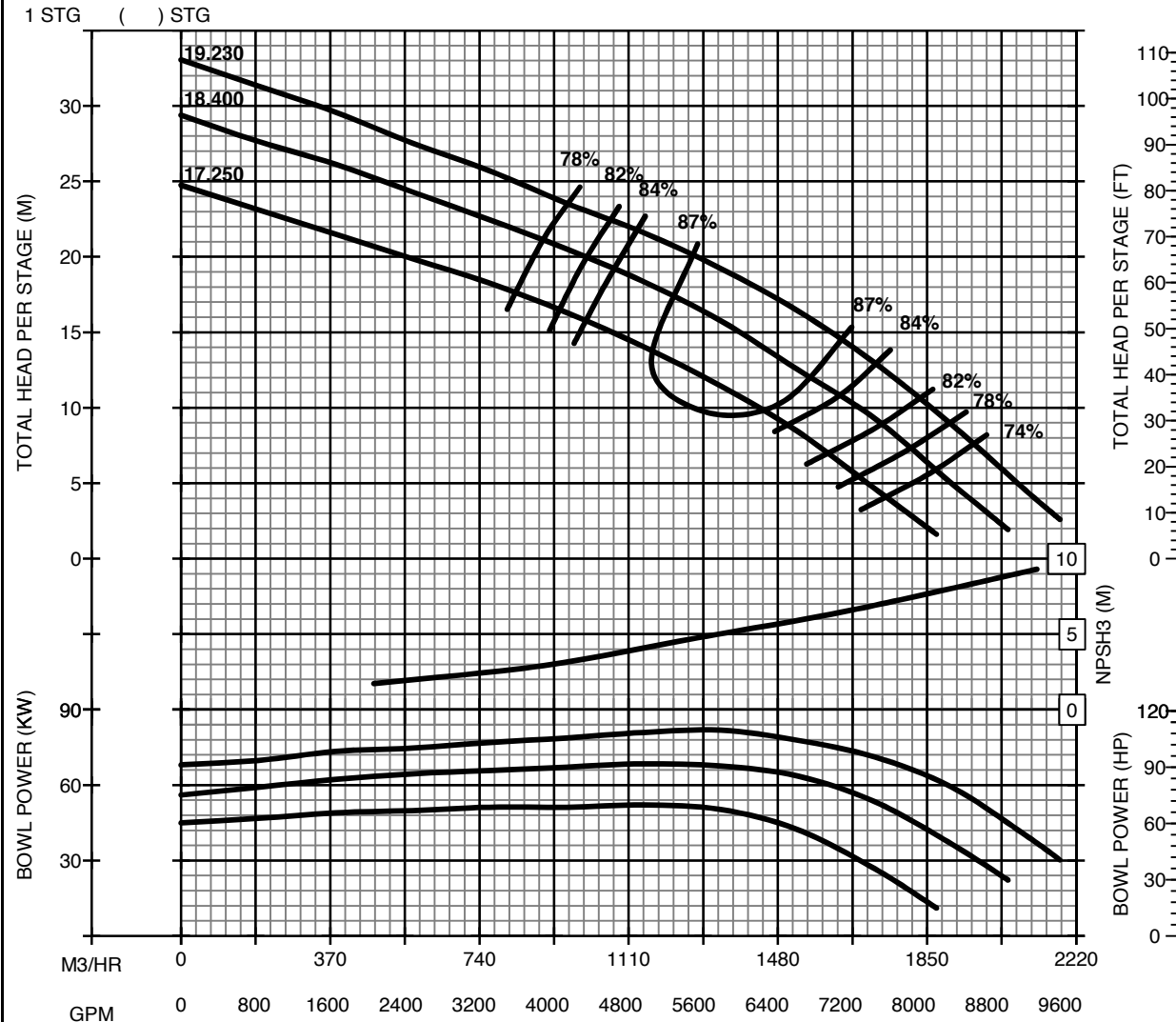


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H24LC**  
985 RPM

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

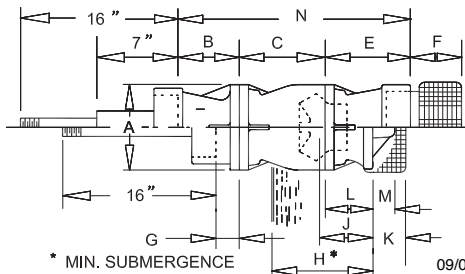


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

**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 <sup>2</sup> :	128.00	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVH24LC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES

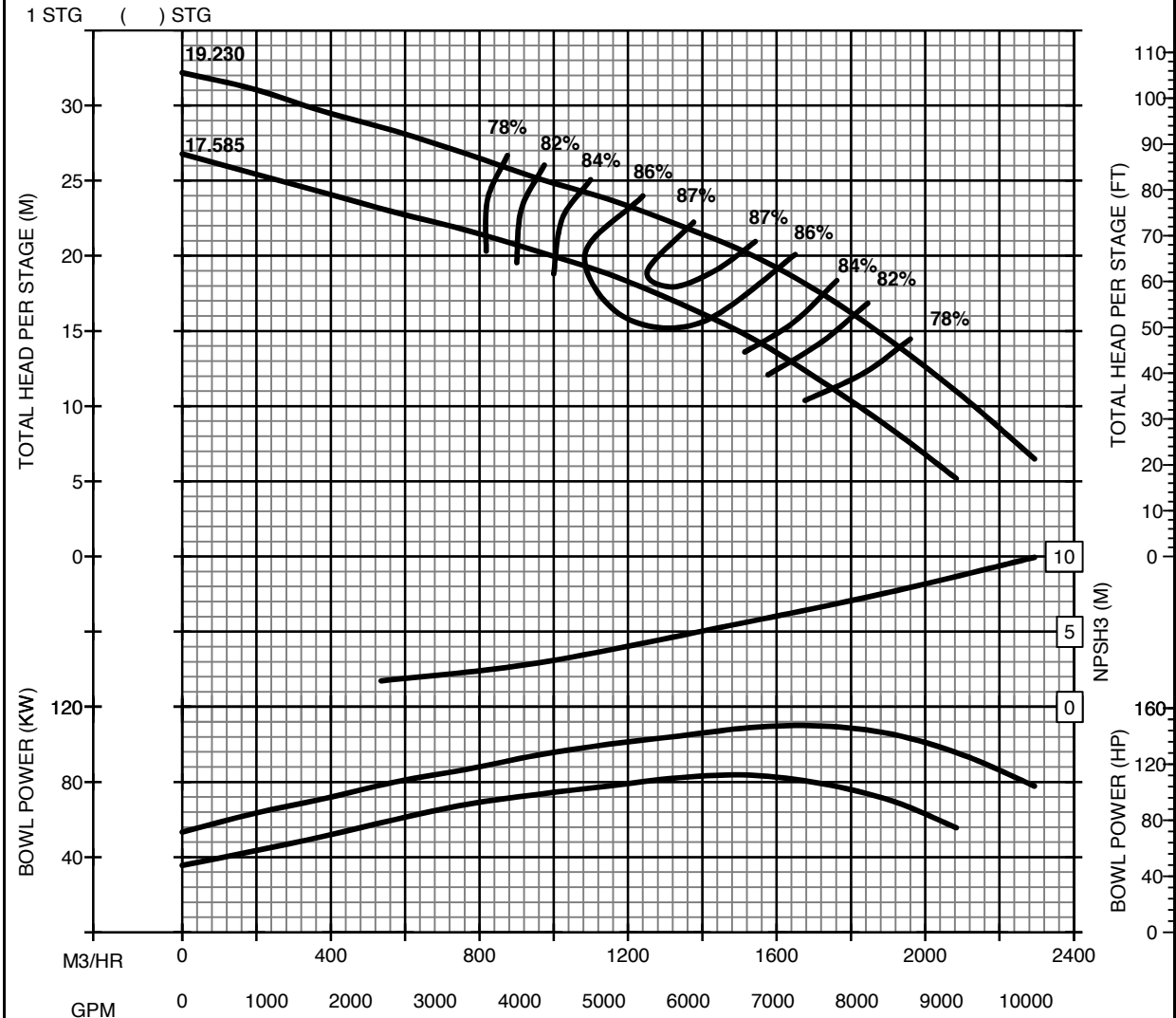


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H24MC**  
985 RPM

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

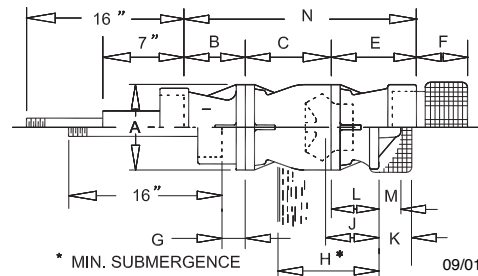


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

**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 <sup>2</sup> :	128.00	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVH24MC6P5CY

985  
CURVES

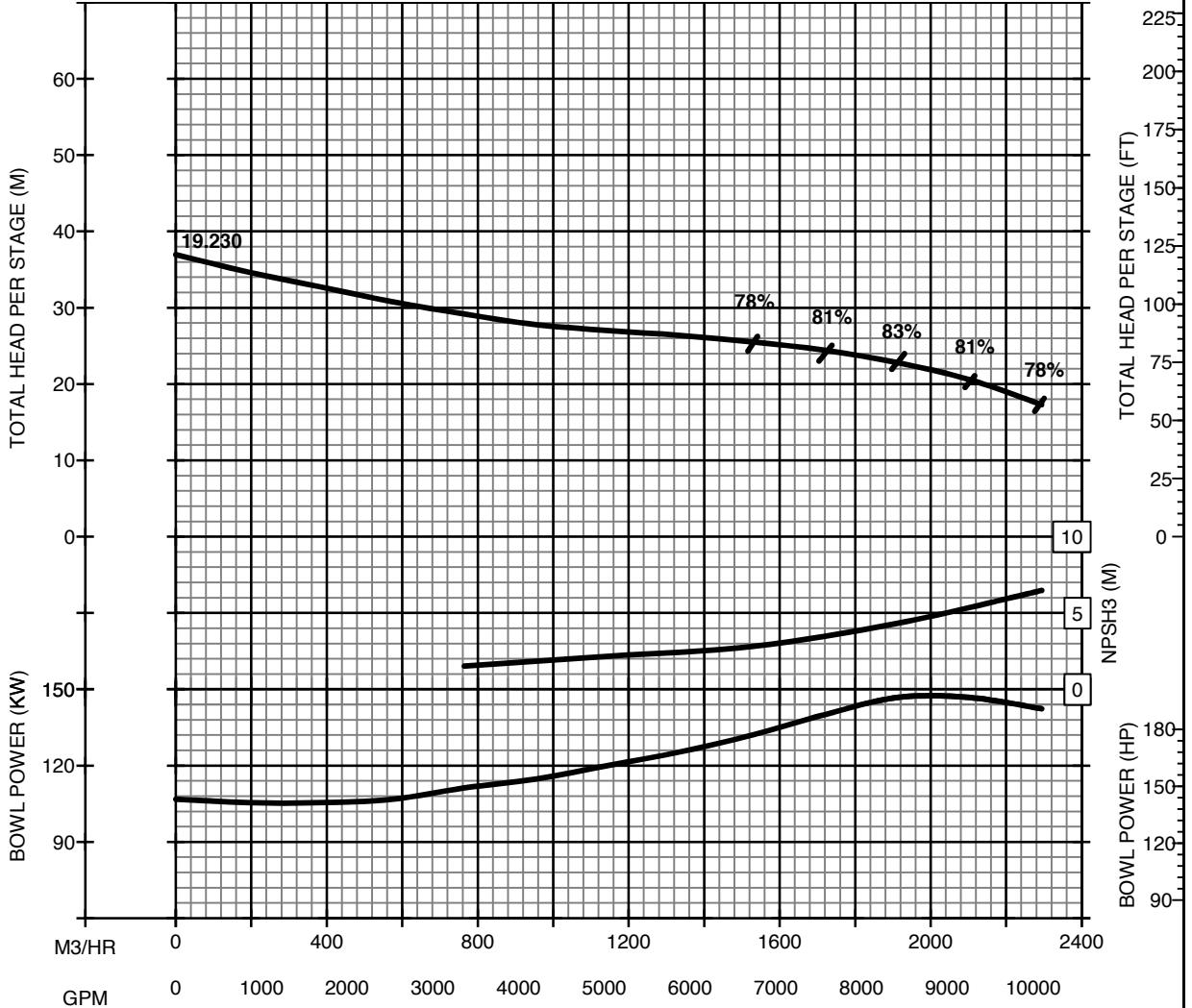
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H24MC-S**  
985 RPM

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

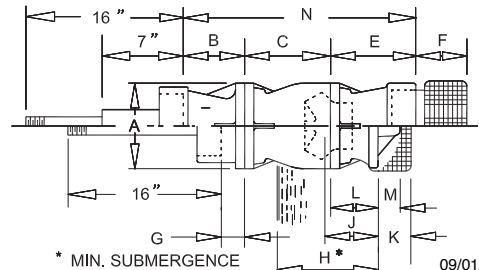
1 STG ( ) STG



DIMENSIONS IN INCHES	A**	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	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 <sup>2</sup> :	146.50	WR <sup>2</sup> LB-FT <sup>2</sup> :	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-S6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES



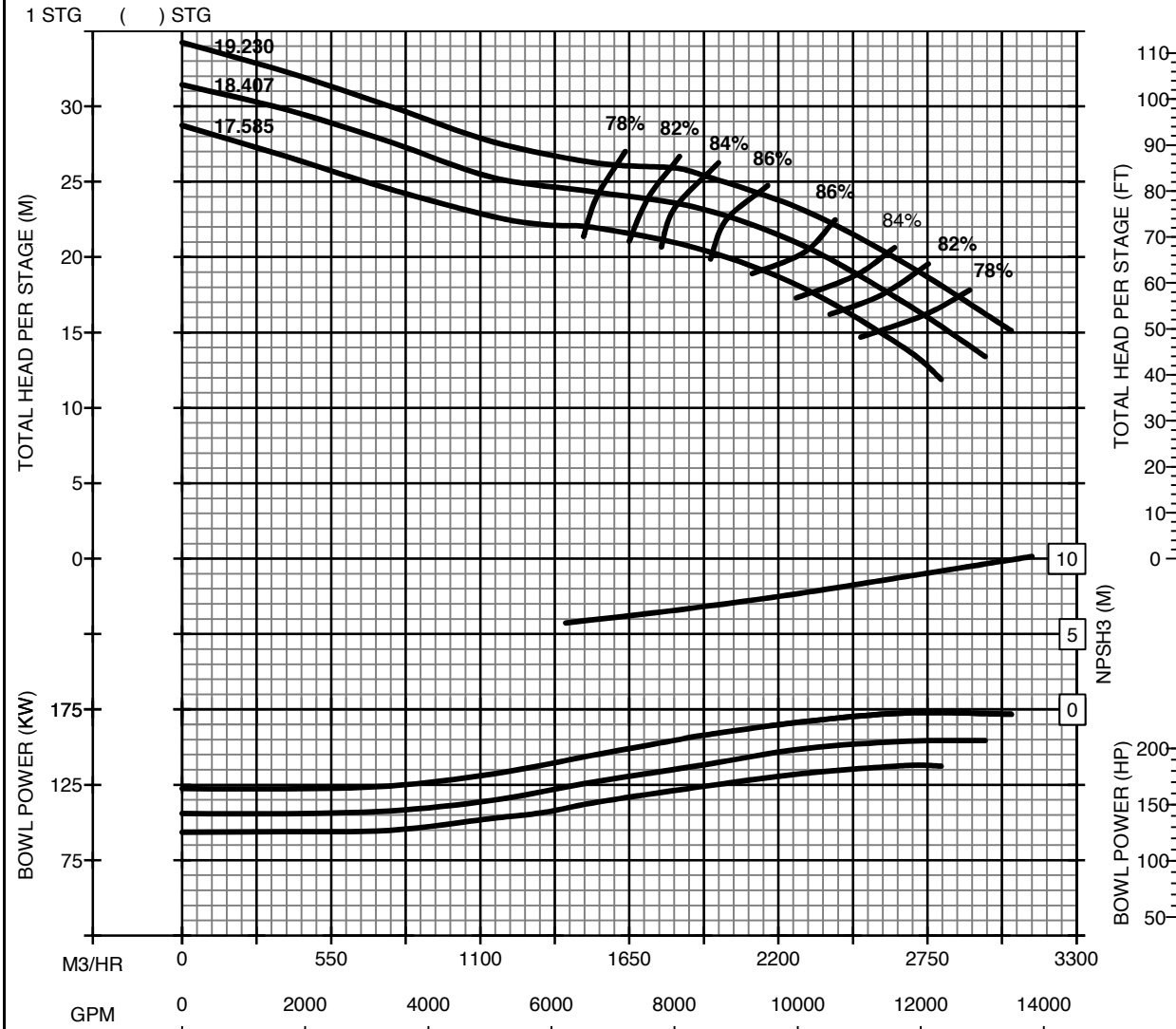


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H24XHC**  
985 RPM

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

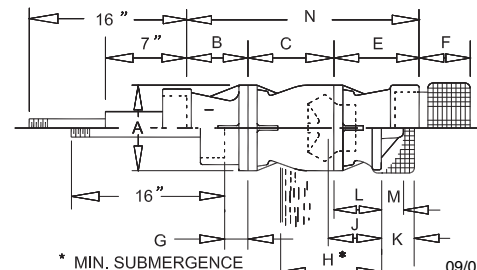


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

**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 <sup>2</sup> :	128.00	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVH24XHC6P5CY

CURVE TEMPLATE 08.05.2011



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



**H30LC**  
985 RPM

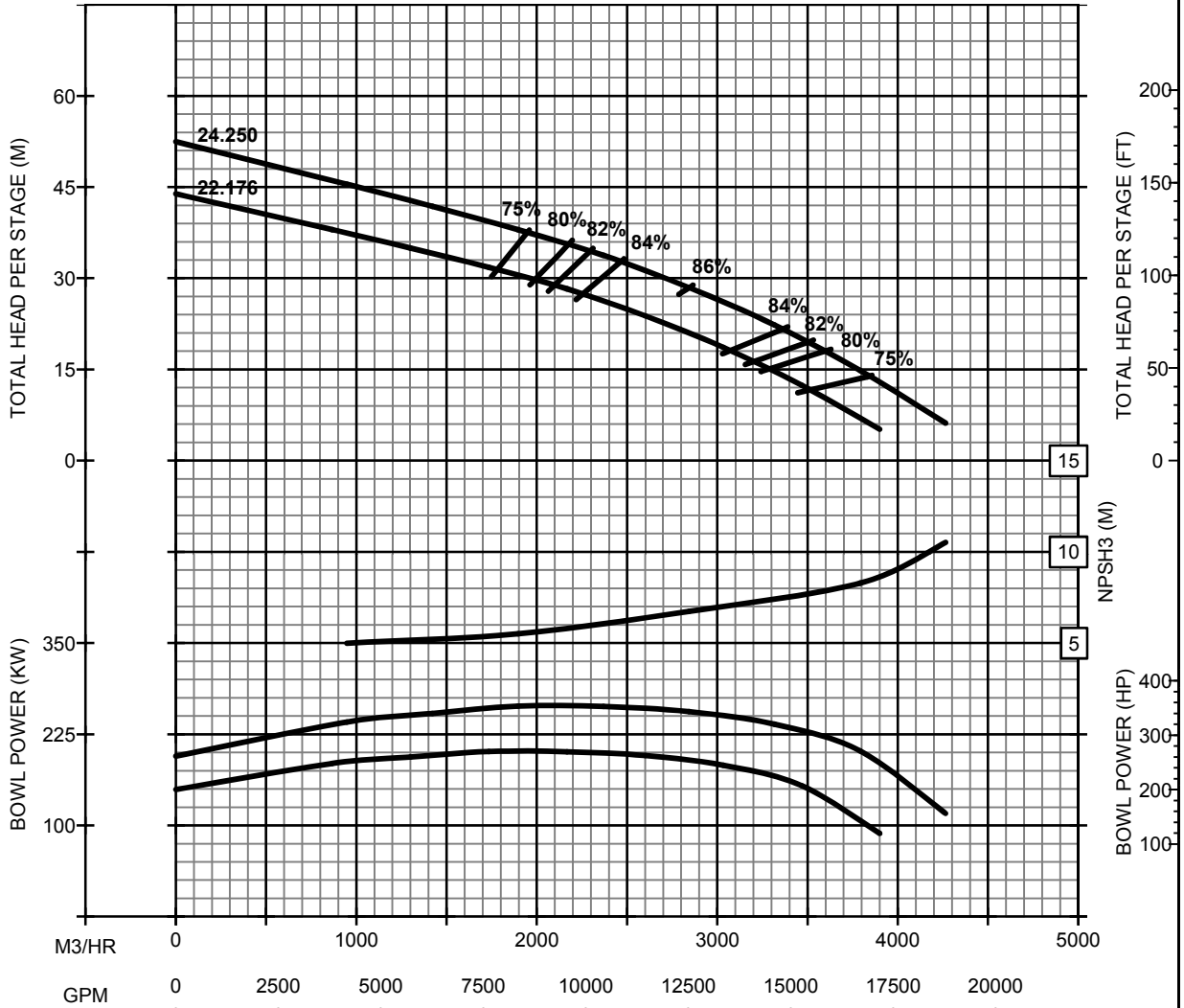
CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	1	2		
NUMBER OF POINTS	-1	0		

DESIGN	M3/HR	TDH	KW	EFF
--------	-------	-----	----	-----

1 STG ( ) STG

TEMPORARY CURVE, CONTACT FACTORY

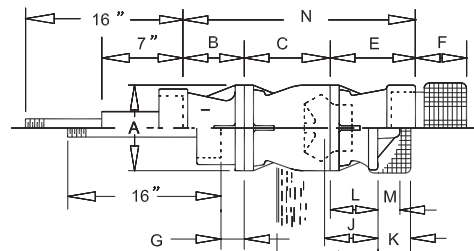


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH30LC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES



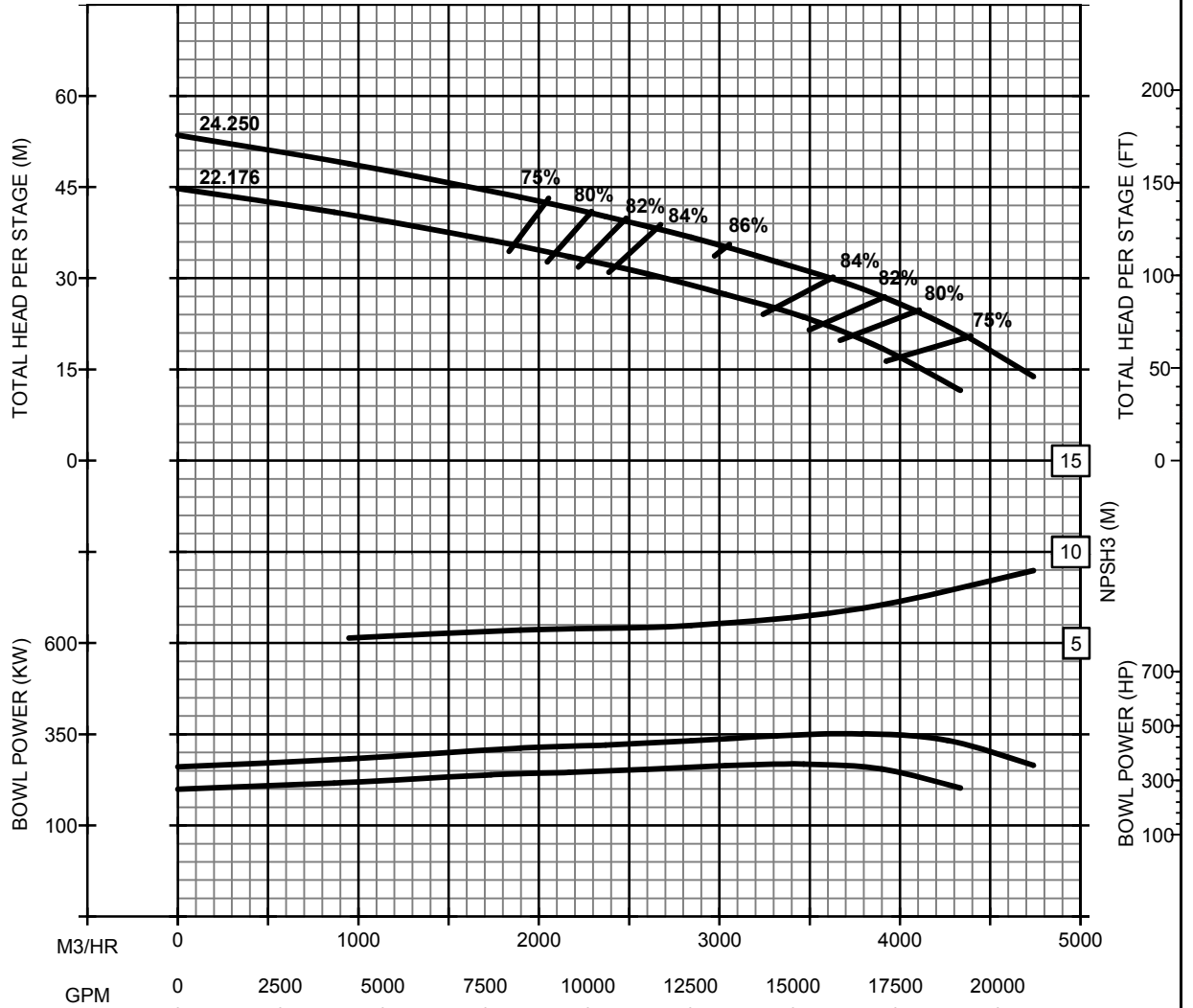
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H30MC**  
985 RPM

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

1 STG ( ) STG **TEMPORARY CURVE, CONTACT FACTORY**

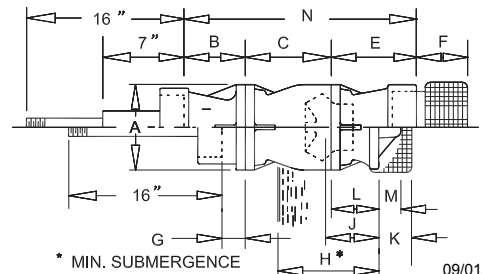


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

**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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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 CVH30MC6P5CY

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



**H30HC**  
985 RPM

CHANGE EFFICIENCY AS FOLLOWS

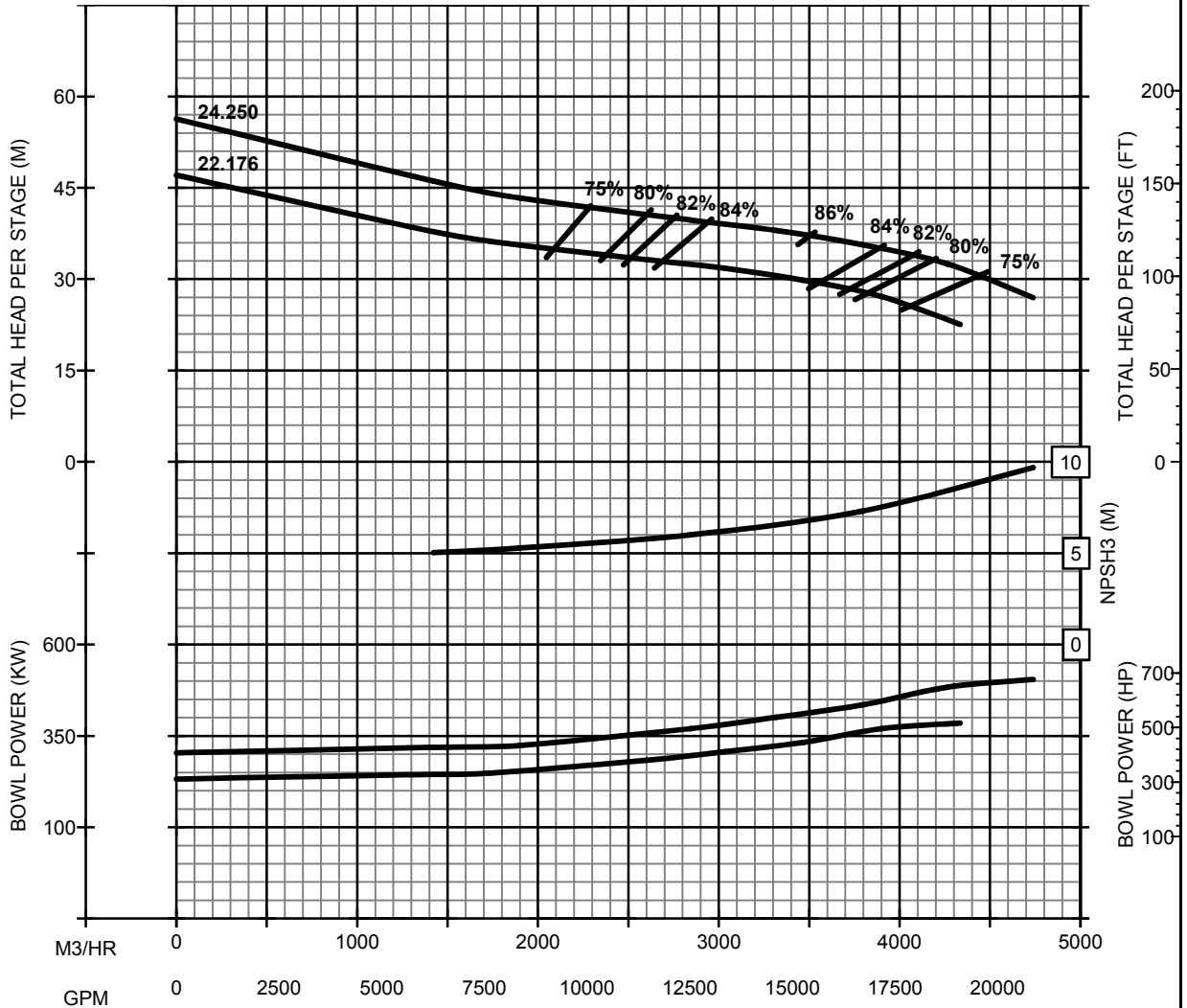
NUMBER OF STAGES  
NUMBER OF POINTS

1	2		
-1	0		

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

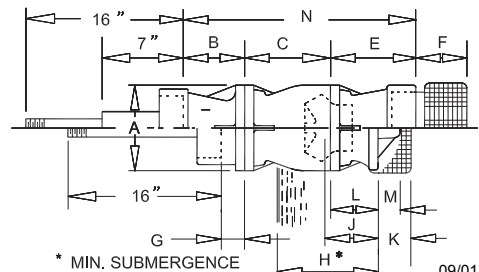
TEMPORARY CURVE, CONTACT FACTORY



DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH30HC6P5CY

CURVE TEMPLATE 08.05.2011

985  
CURVES



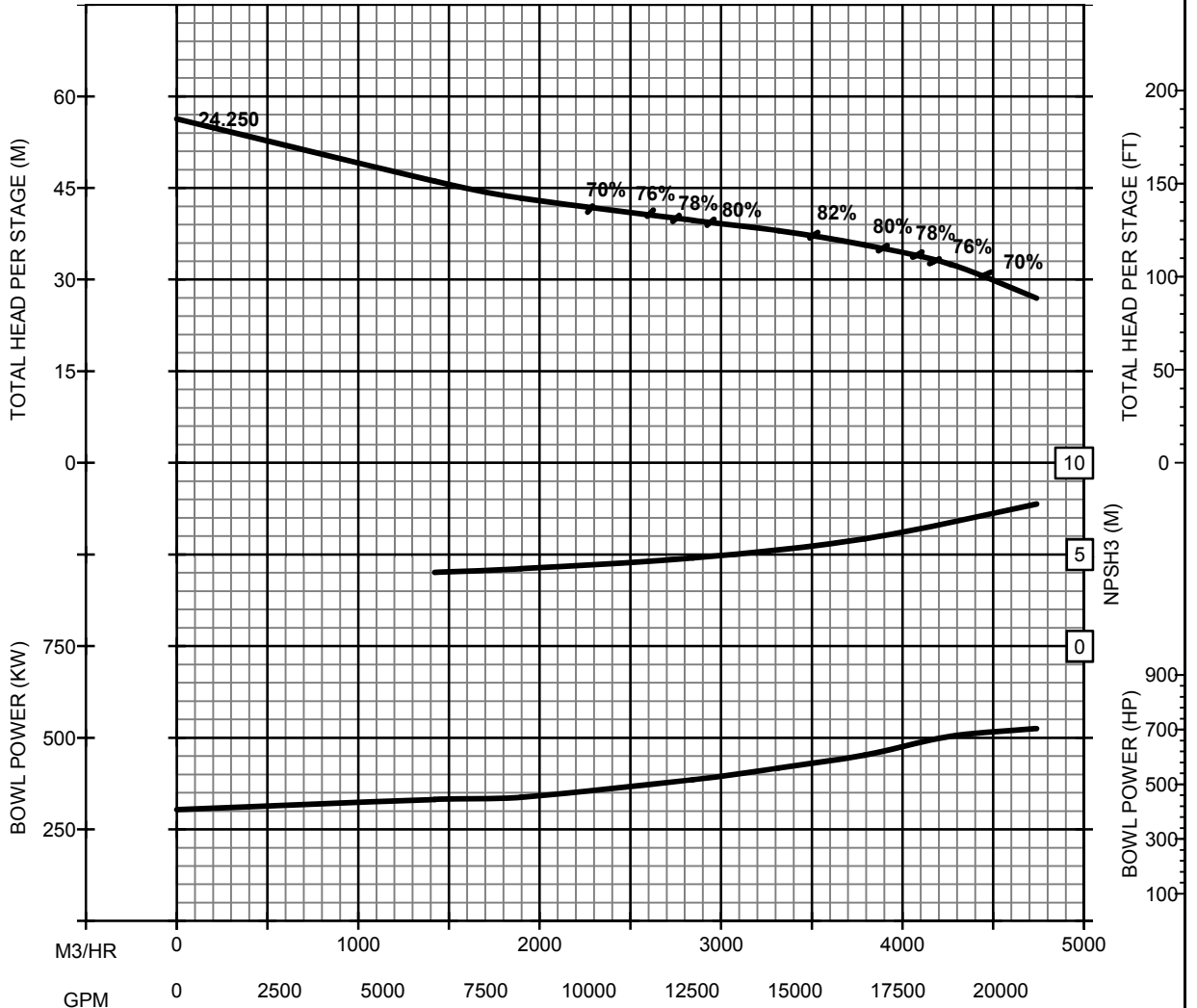
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H30HC-S**  
985 RPM

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

1 STG ( ) STG **TEMPORARY CURVE, CONTACT FACTORY**



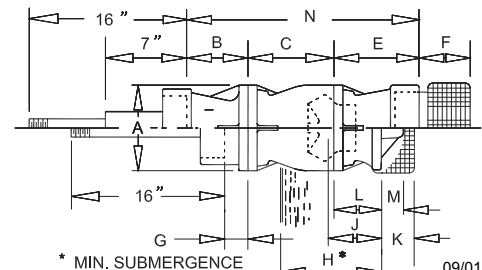
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

**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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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\*\*\*



09/01/2011

CVH30HC-S6P5CY

CURVE TEMPLATE 08.05.2011

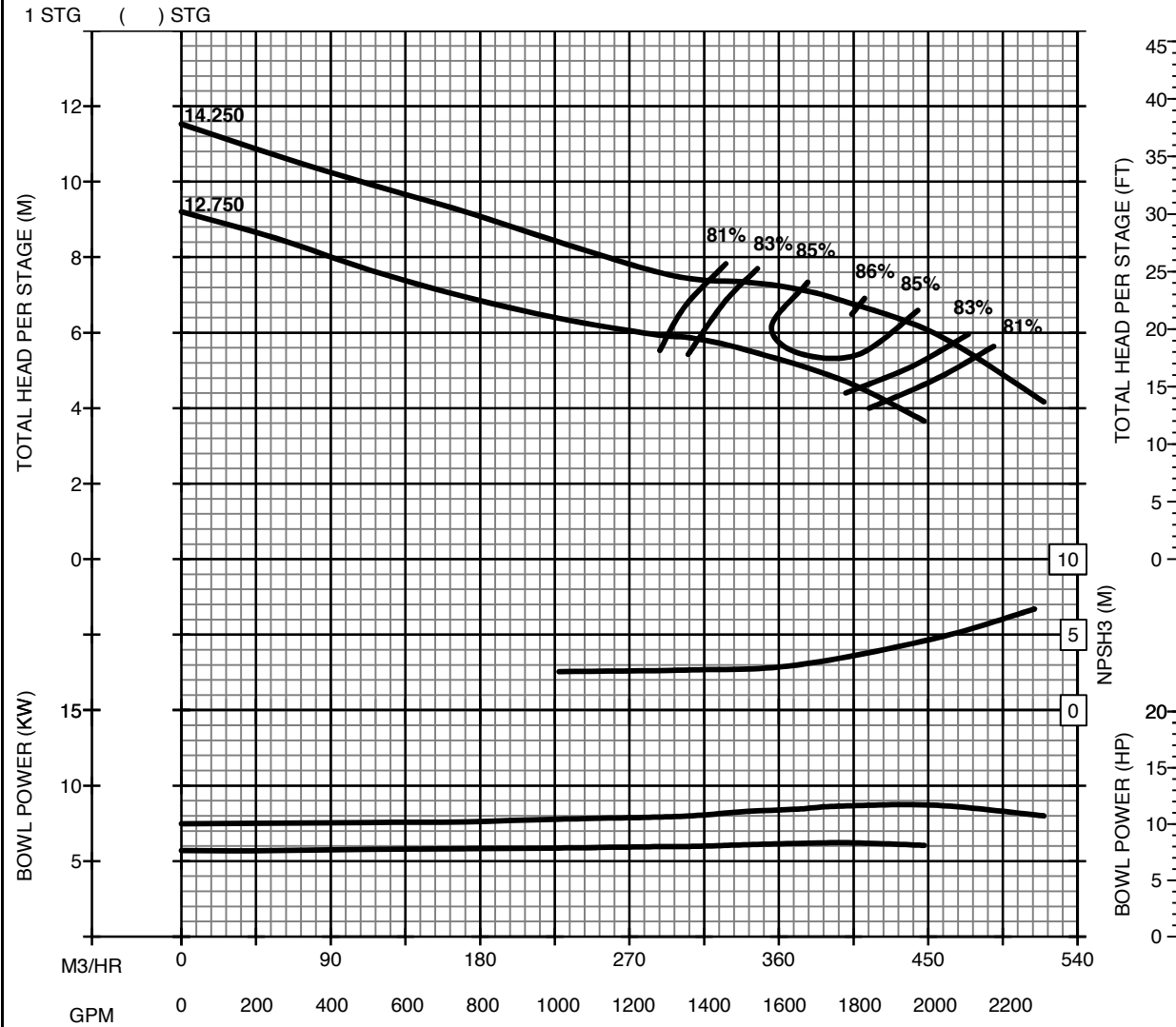


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**E18LC**  
735 RPM

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

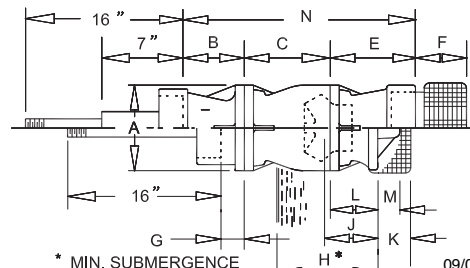


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	17.50	6.44	15.00	N/A	N/A	0.81	48.00	11.25	13.88	10.50	2.50	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	12"
THRUST CONSTANT:	26.5	SUCTION SIZE:	BELL
LATERAL (STD):	0.62"	STD. TUBE:	3.5"
EYE AREA IN <sup>2</sup> :	63.88	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

735  
CURVES

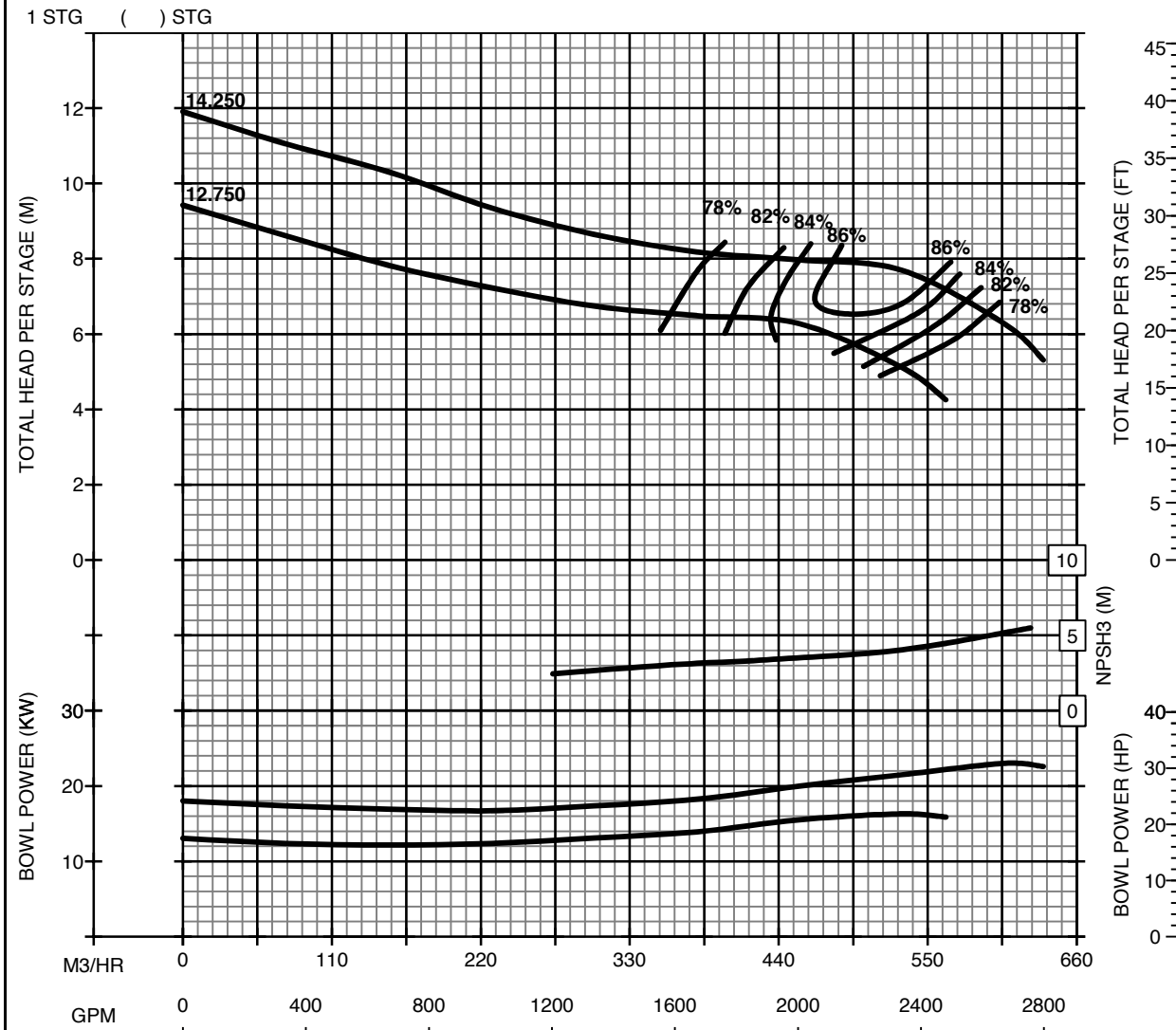


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**E18HC**  
735 RPM

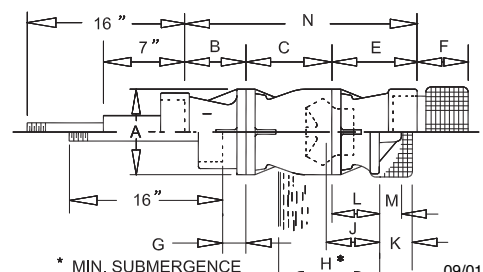
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2	3	DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	-1	0					



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 <sup>2</sup> :	63.88	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.

09/01/2011  
CVE18HC8P5CY

735  
CURVES

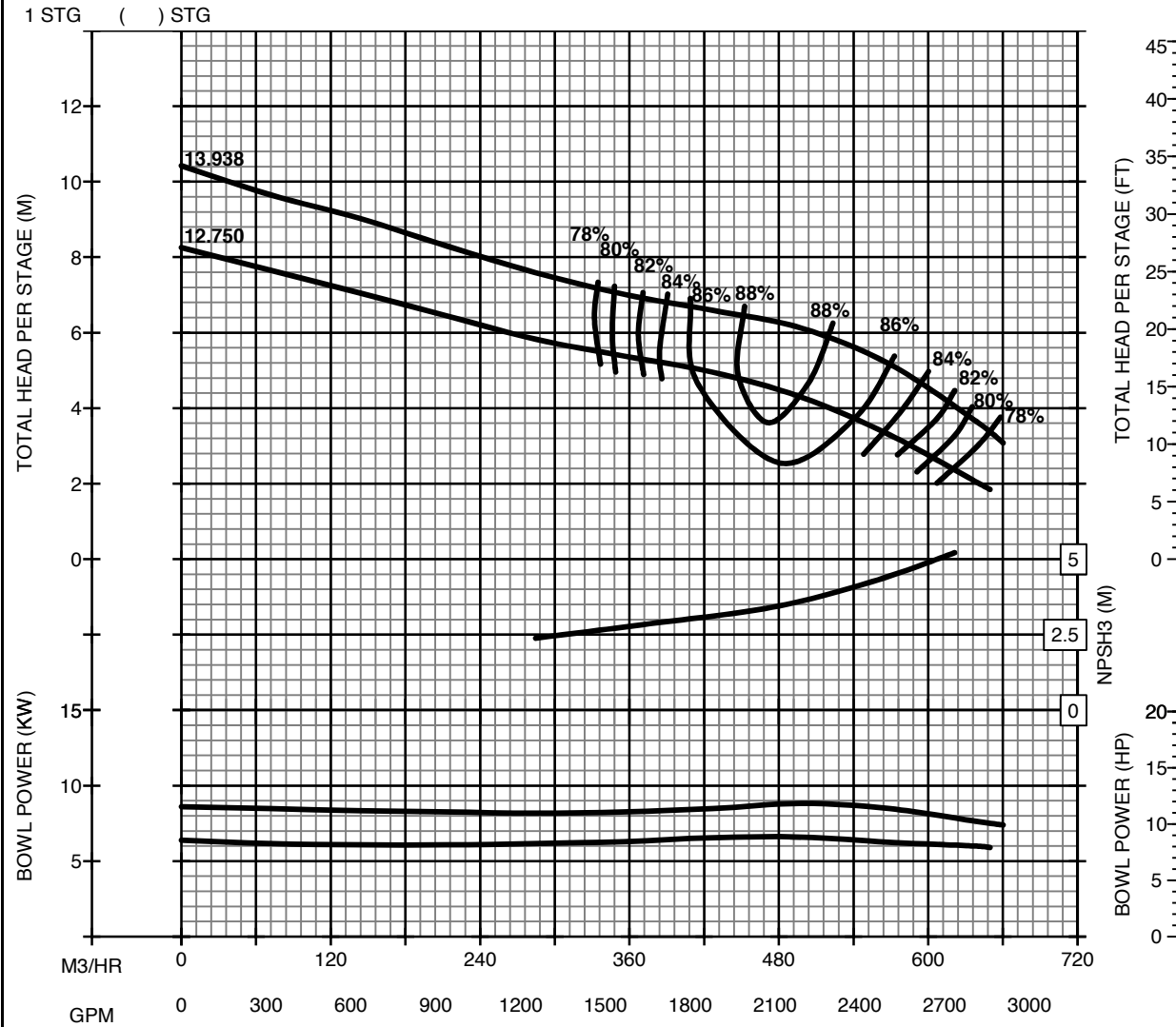


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K20LC**  
735 RPM

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

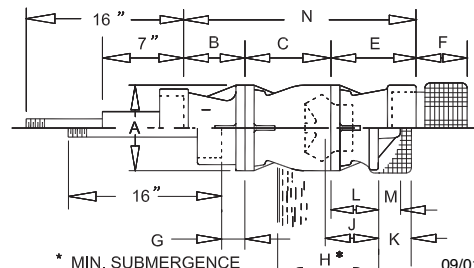


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	5	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVK20LC8P5CY

CURVE TEMPLATE 08.05.2011

735  
CURVES

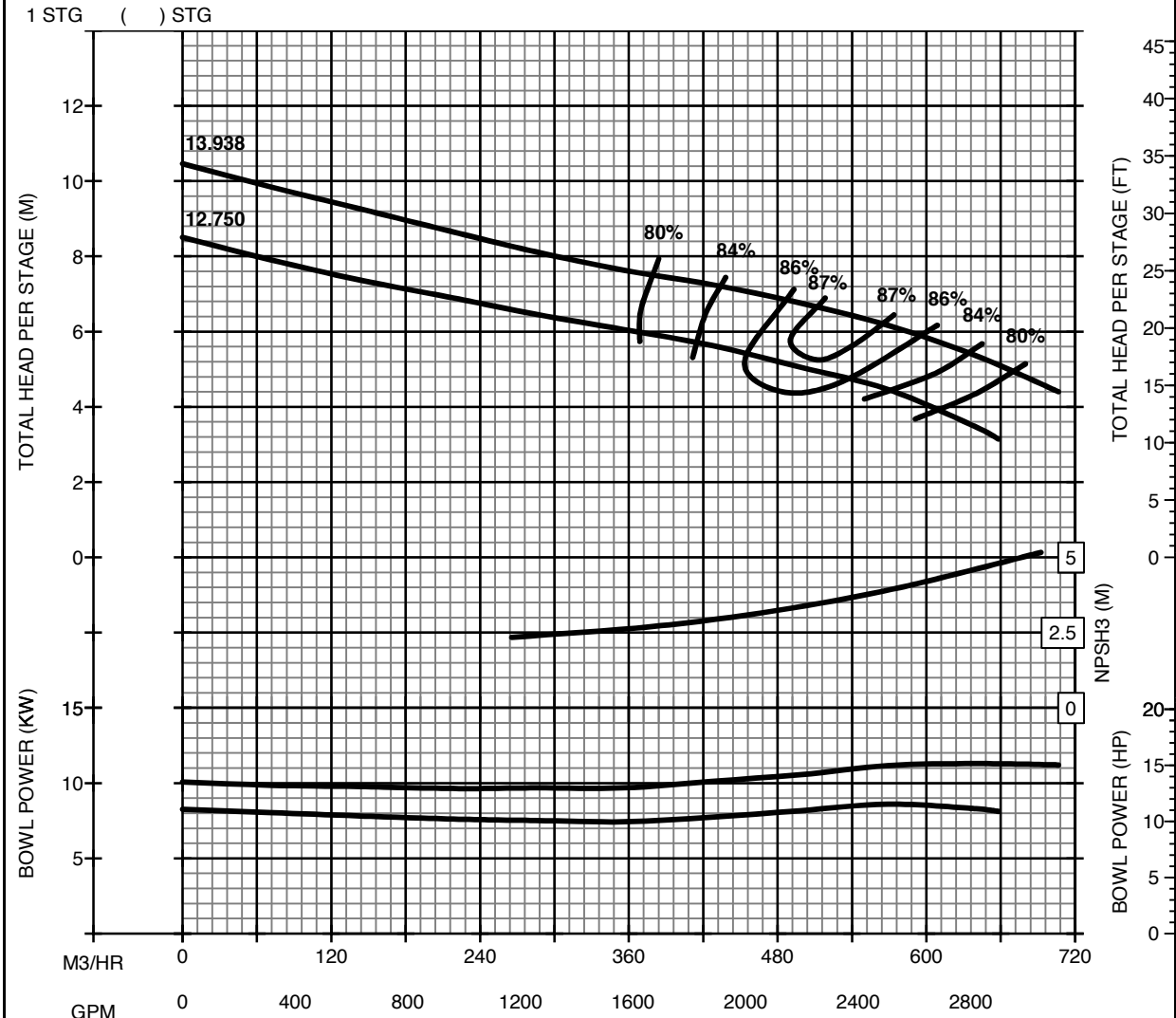


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**K20MC**  
735 RPM

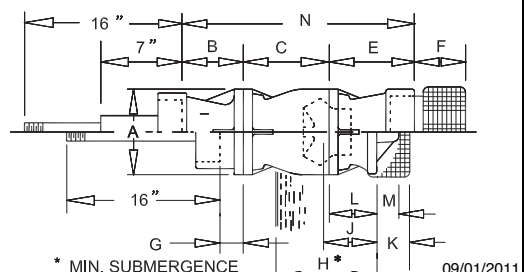
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	2			DESIGN	M3/HR	TDH	KW	EFF
	NUMBER OF POINTS	-2	0							



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 <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

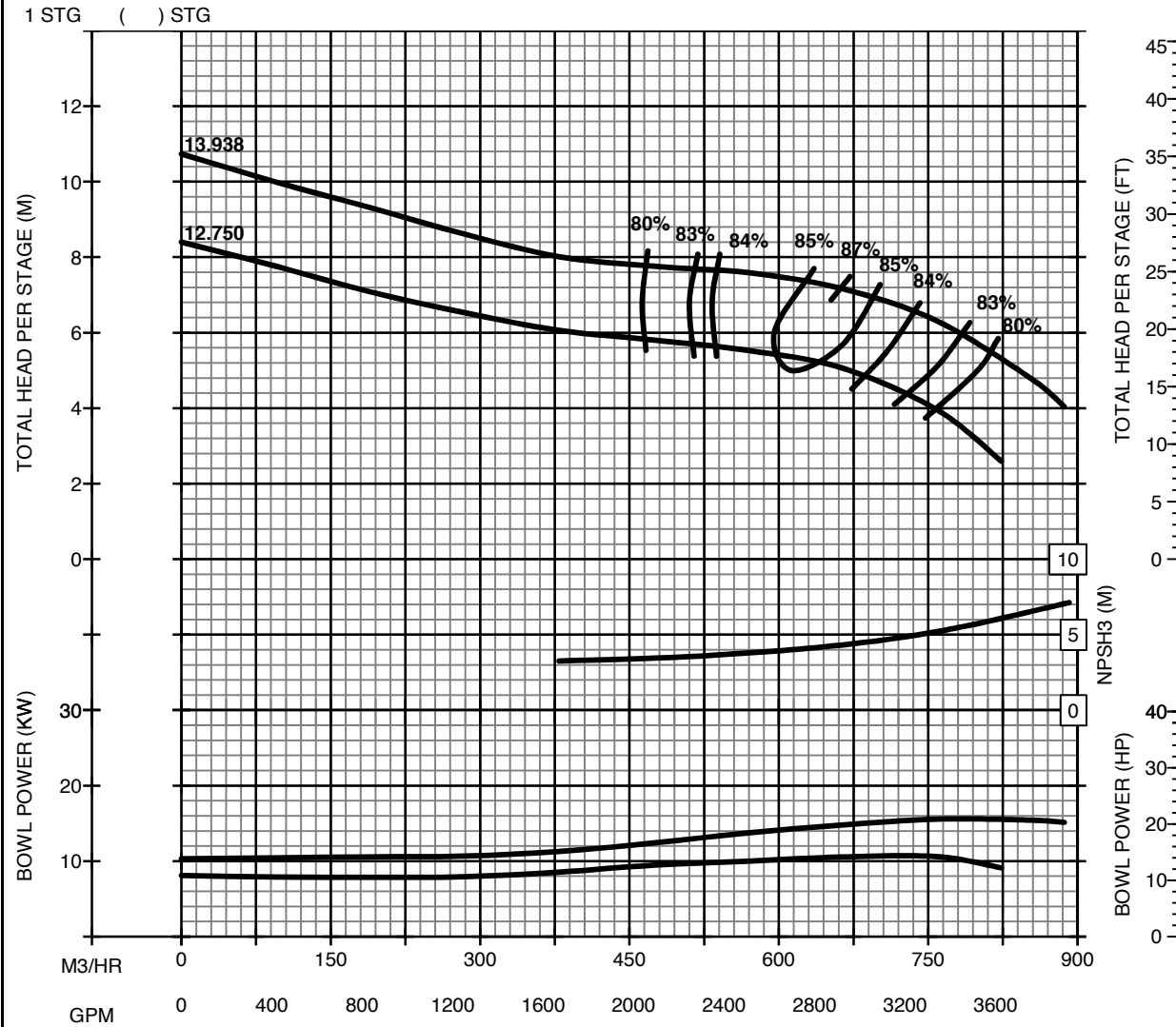


PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**K20HC**  
735 RPM

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

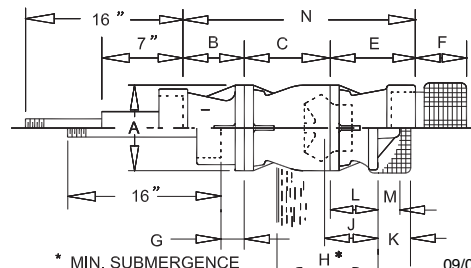


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	19.25	6.44	18.25	N/A	N/A	1.81	48.00	11.25	13.88	10.50	5.125	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	33.0	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	72.6	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

735  
CURVES

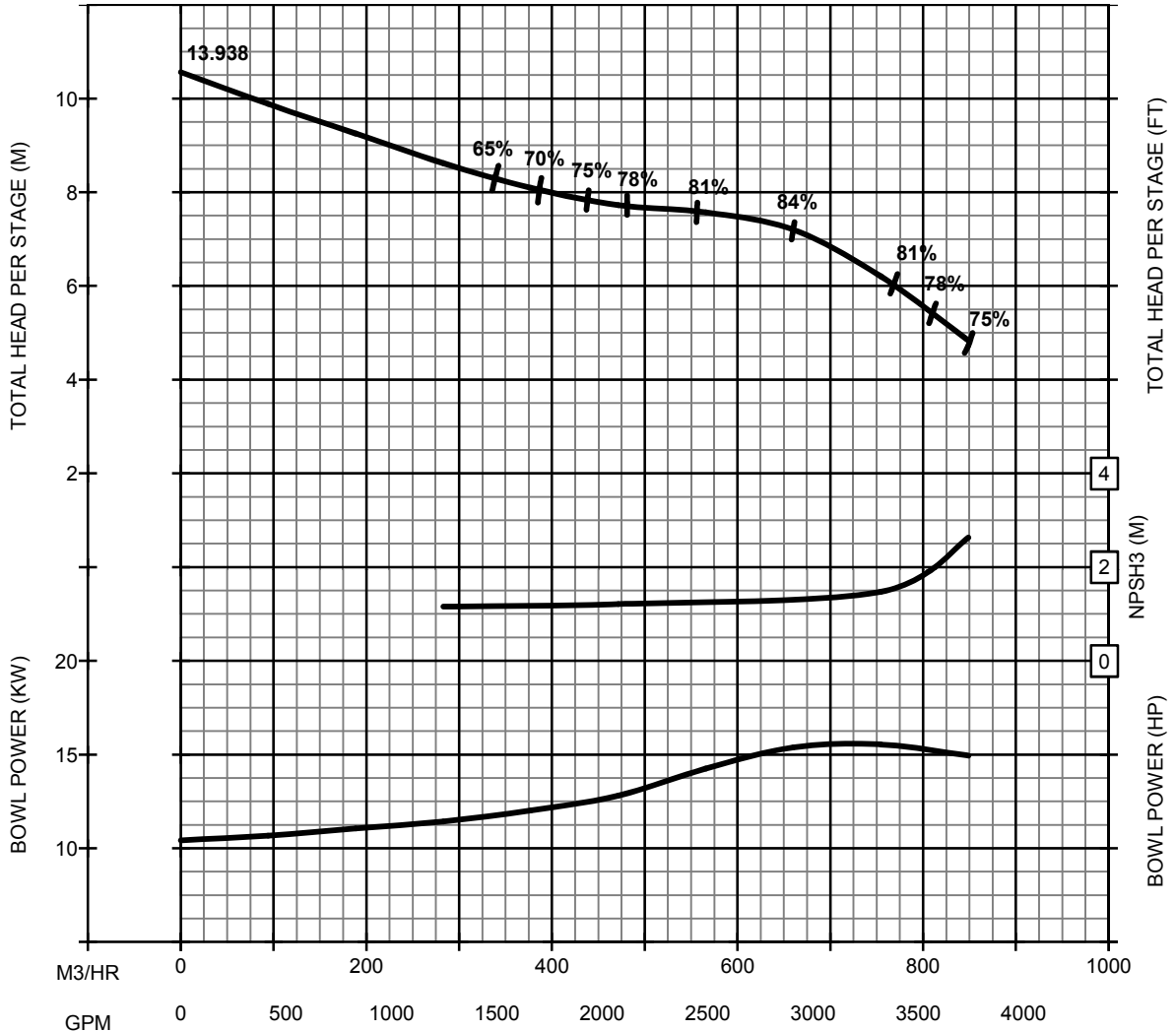
PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**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**

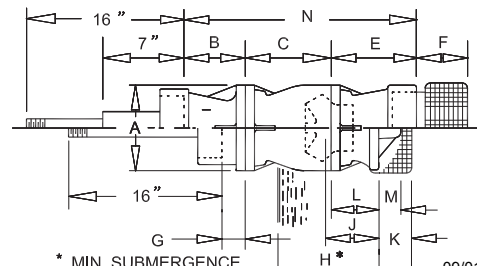
IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	12", 14"
THRUST CONSTANT:	35.2	SUCTION SIZE:	BELL
LATERAL (STD):	1.00	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	83.91	WR <sup>2</sup> LB-FT <sup>2</sup> :	20.26
SHAFT DIA:	2.438	1ST STG WT LB:	730
		ADD STG WT LB:	510

\*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

735  
CURVES



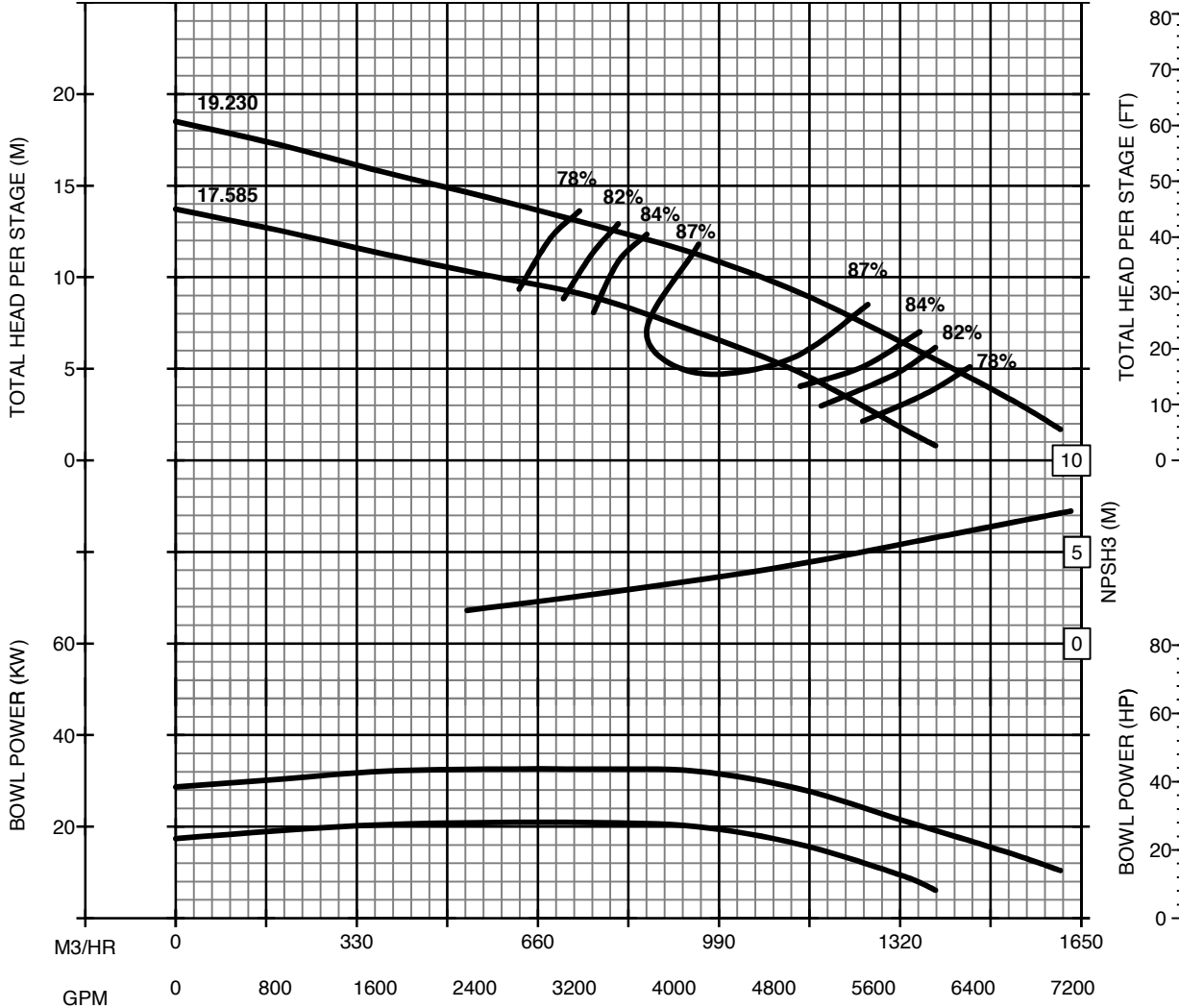
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H24LC**  
735 RPM

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

1 STG ( ) STG

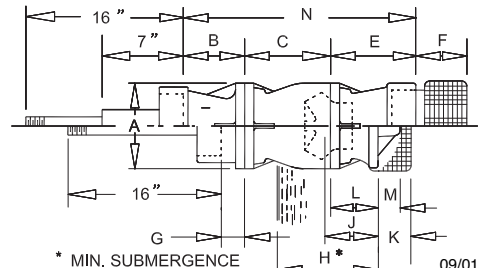


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

**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 <sup>2</sup> :	128.00	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011  
CVH24LC8P5CY

CURVE TEMPLATE 08.05.2011

735  
CURVES

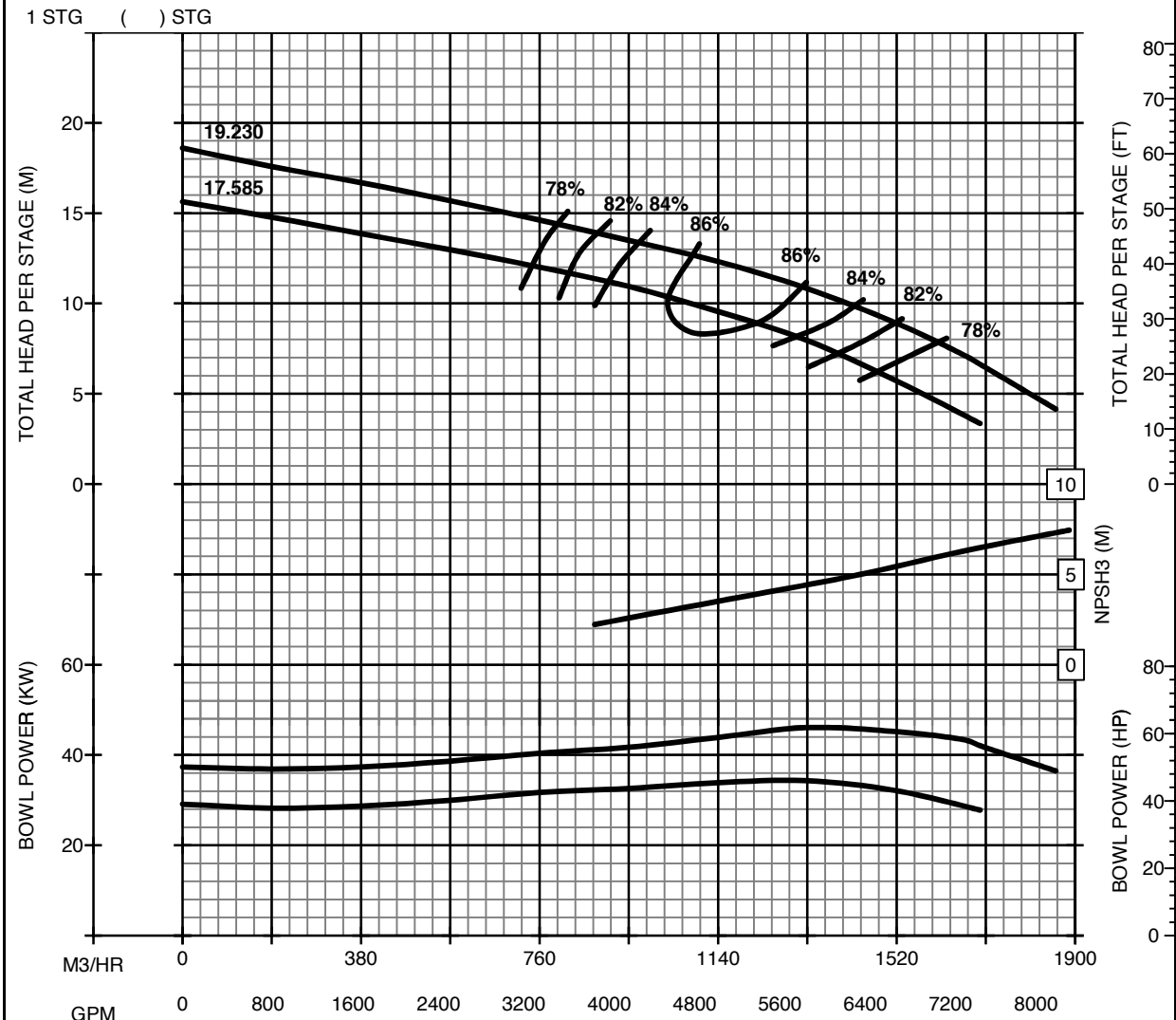


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H24MC**  
735 RPM

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

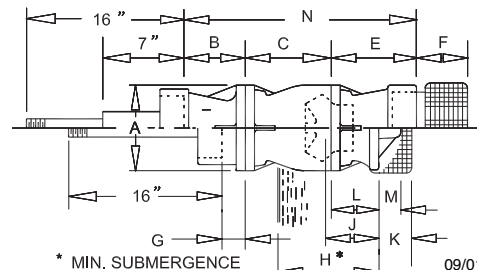


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

**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 <sup>2</sup> :	128.00	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.



09/01/2011

CVH24MC8P5CY

CURVE TEMPLATE 08.05.2011



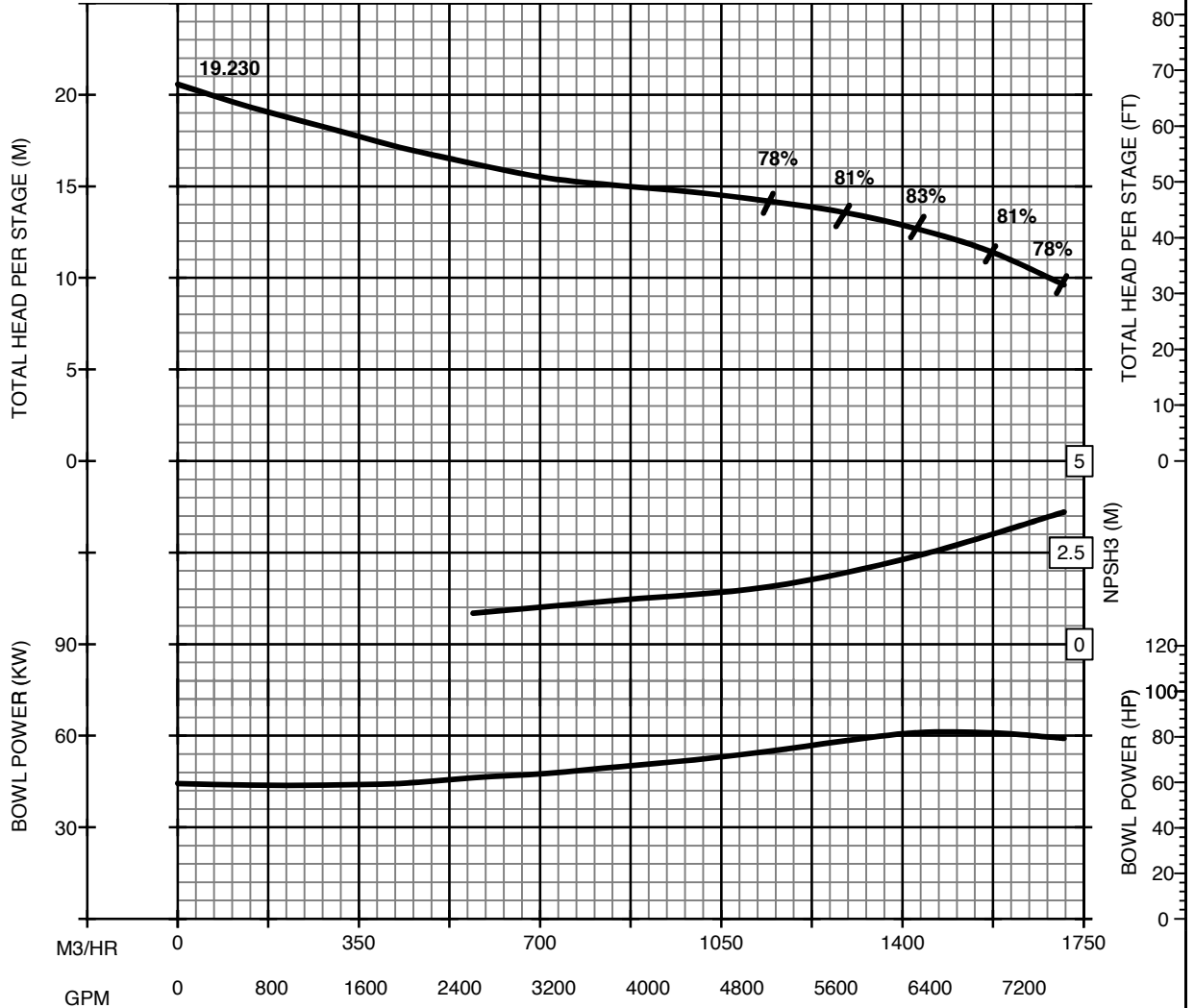
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H24MC-S**  
735 RPM

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	—	—	—	—	DESIGN	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
	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**

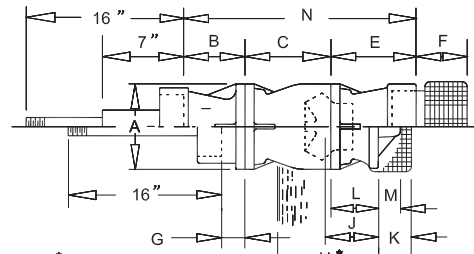
IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	6	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	78.1	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	146.50	WR <sup>2</sup> LB-FT <sup>2</sup> :	51.1
SHAFT DIA:	2.688	1ST STG WT LB:	762
		ADD STG WT LB:	N/A

\*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.



\* MIN. SUBMERGENCE

09/01/2011

CVH24MC-S8P5CY

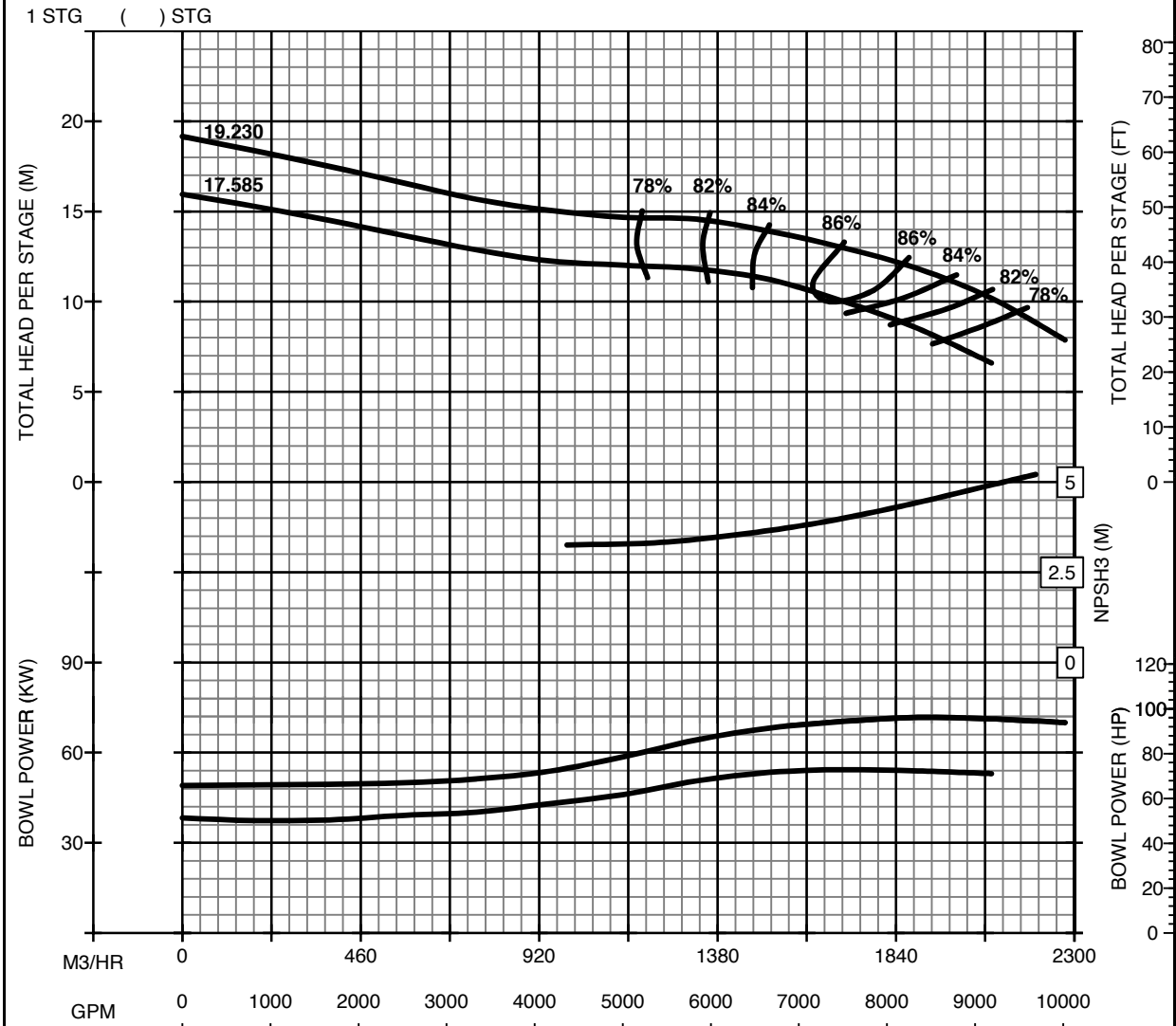
CURVE TEMPLATE 08.05.2011

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
	NUMBER OF POINTS	-1	0							

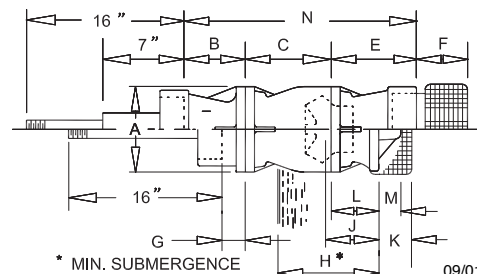


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	23.25	N/A	21.75	N/A	N/A	N/A	48.00	11.75	16.00	11.50	5.63	N/A

**PUMP DATA**

IMPELLER:	ENCLOSED	BOWL CONNECTION:	FLANGED
NO. OF VANES:	8	DISCHARGE SIZE:	FLANGED
THRUST CONSTANT:	57.80	SUCTION SIZE:	BELL
LATERAL (STD):	1.25	STD. TUBE:	N/A
EYE AREA IN <sup>2</sup> :	128.00	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH24XHC8P5CY

CURVE TEMPLATE 08.05.2011



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



**H30LC**  
735 RPM

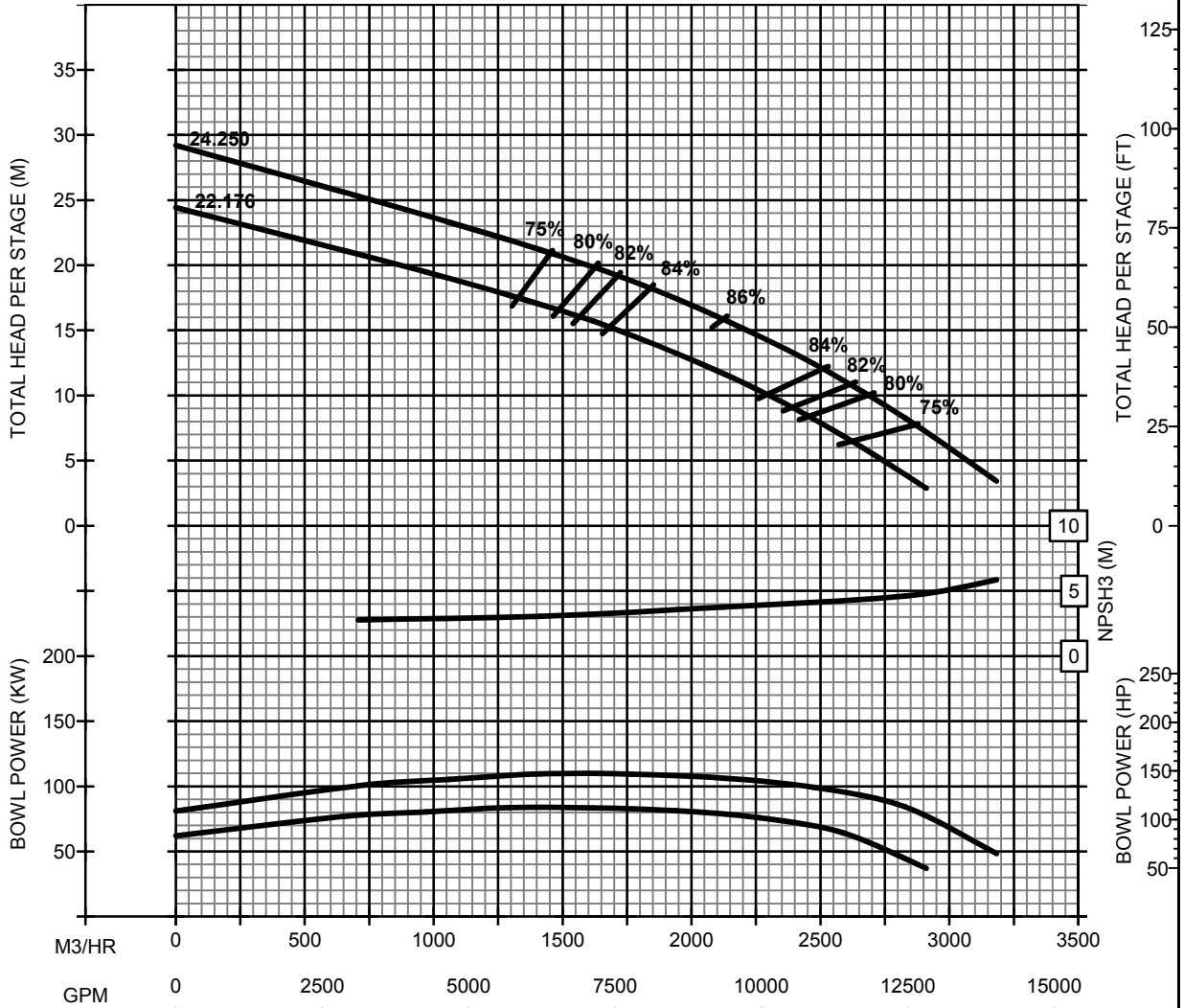
CHANGE EFFICIENCY AS FOLLOWS

NUMBER OF STAGES	1	2		
NUMBER OF POINTS	-1	0		

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

TEMPORARY CURVE, CONTACT FACTORY

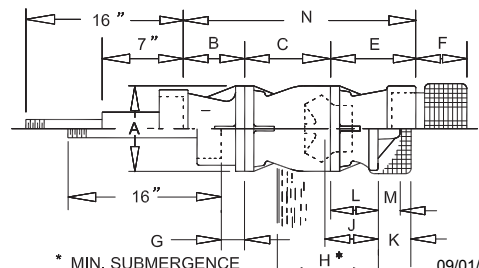


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH30LC8P5CY

CURVE TEMPLATE 08.05.2011

735  
CURVES



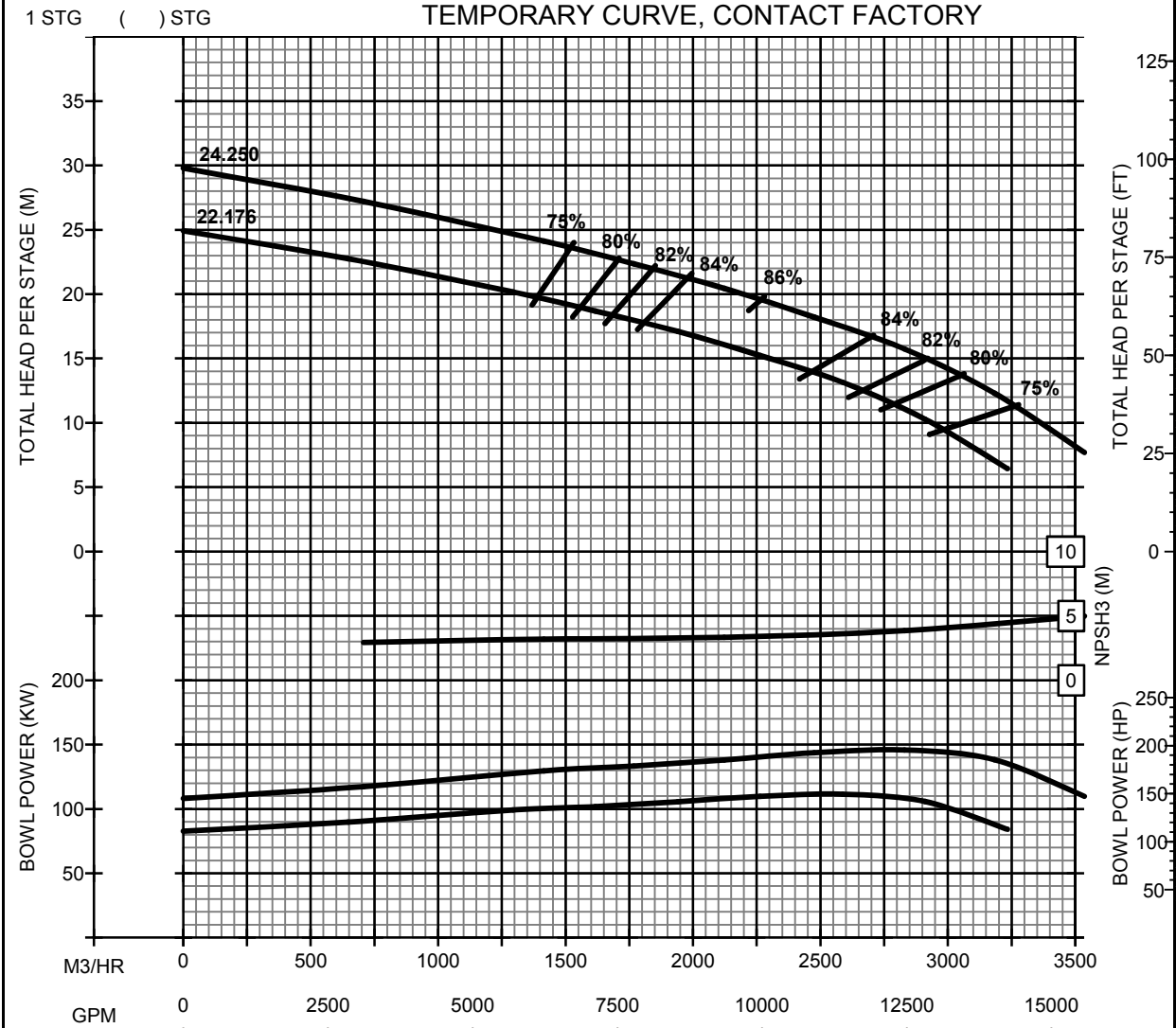


PERFORMANCE BASED ON  
PUMPING CLEAR, FRESH  
NON-AERATED WATER AT  
85° F MAXIMUM UNLESS  
OTHERWISE SPECIFIED



**H30MC**  
735 RPM

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

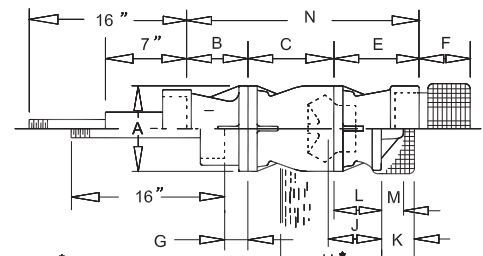


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

**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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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

CVH30MC8P5CY

CURVE TEMPLATE 08.05.2011

735  
CURVES



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



**H30HC**  
735 RPM

CHANGE EFFICIENCY AS FOLLOWS

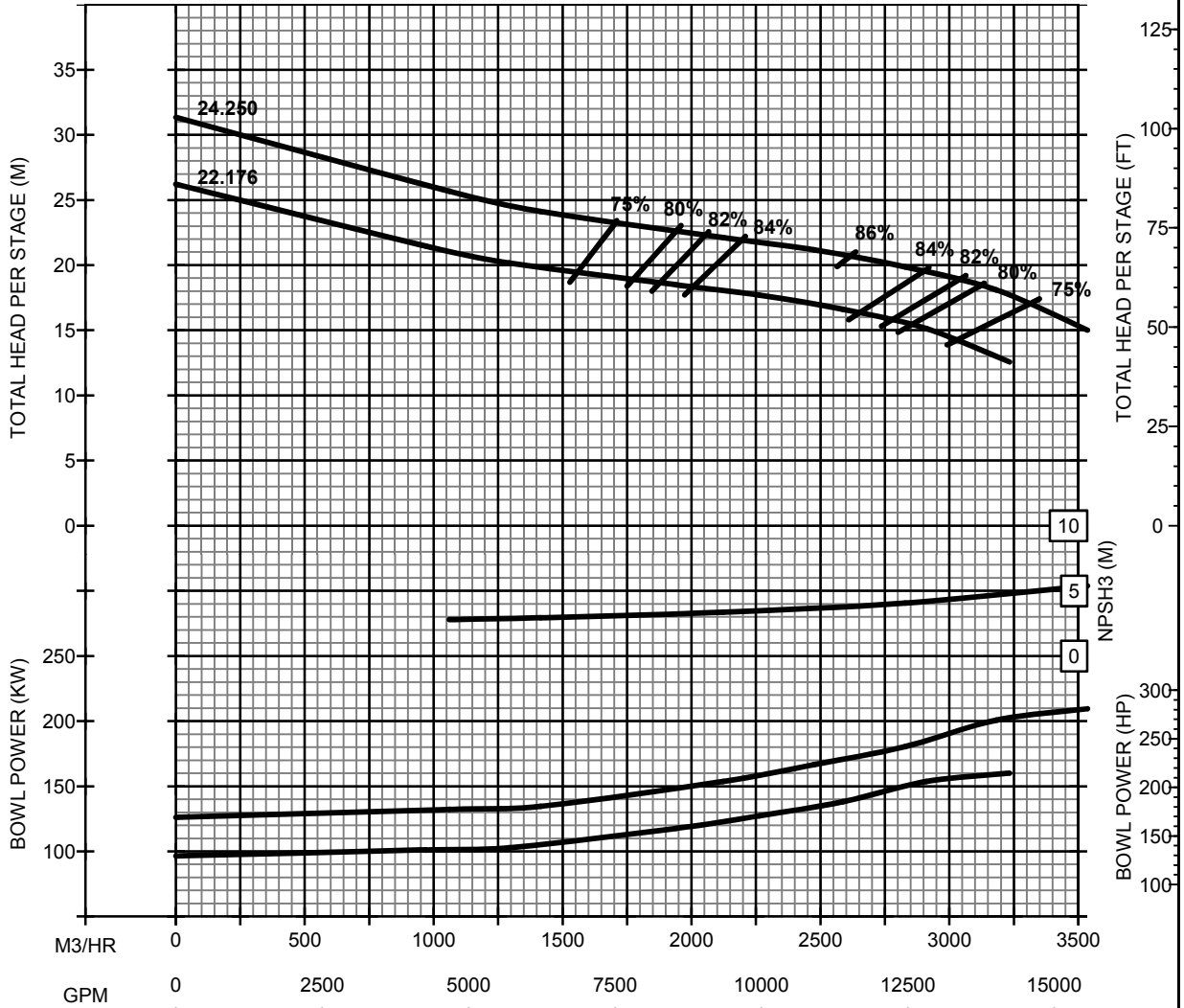
NUMBER OF STAGES  
NUMBER OF POINTS

1	2		
-1	0		

DESIGN M3/HR TDH KW EFF

1 STG ( ) STG

TEMPORARY CURVE, CONTACT FACTORY

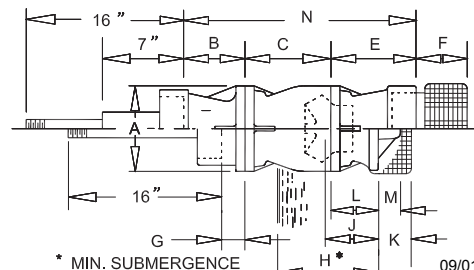


DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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.  
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\* MIN. SUBMERGENCE

09/01/2011

CVH30HC8P5CY

CURVE TEMPLATE 08.05.2011

735  
CURVES

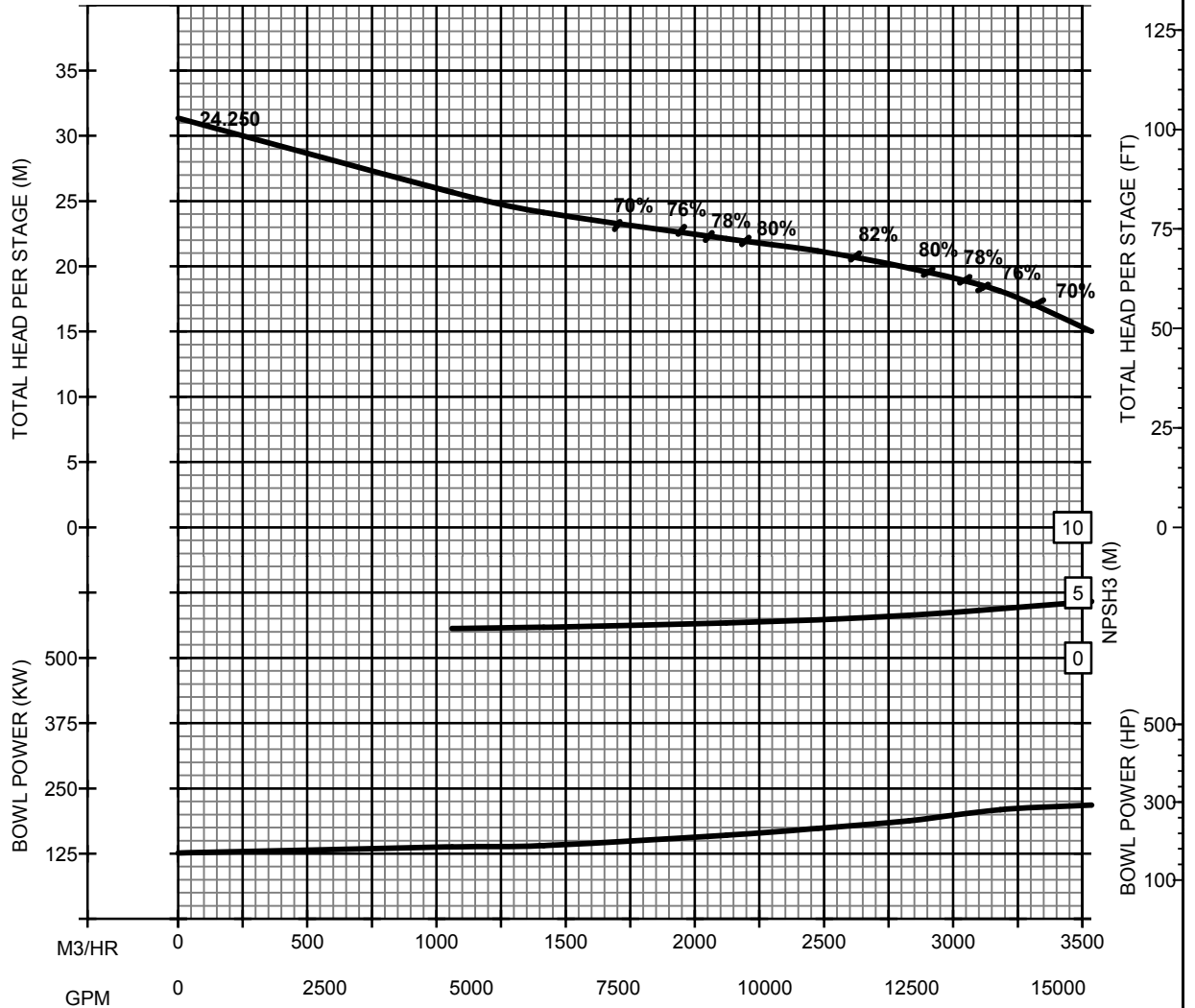
PERFORMANCE BASED ON PUMPING CLEAR, FRESH NON-AERATED WATER AT 85° F MAXIMUM UNLESS OTHERWISE SPECIFIED



**H30HC-S**  
735 RPM

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

1 STG ( ) STG **TEMPORARY CURVE, CONTACT FACTORY**



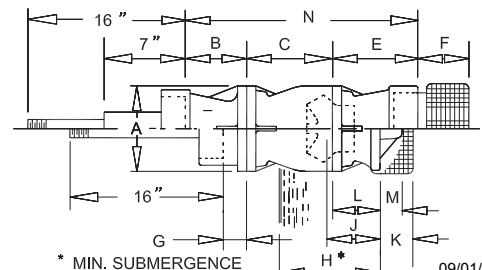
DIMENSIONS IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N
	29.10	N/A	21.75	N/A	N/A	N/A	60.00	14.00	18.00	14.50	7.00	N/A

**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 <sup>2</sup> :	187.0	WR <sup>2</sup> LB-FT <sup>2</sup> :	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\*\*\*



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.





# 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.



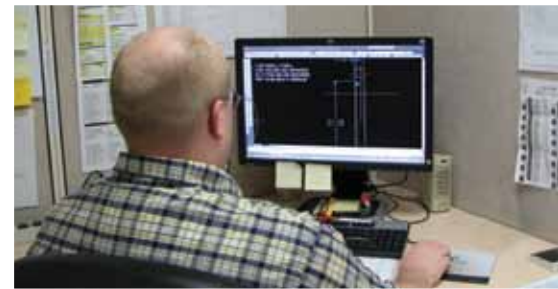
## PRODUCT & MANUFACTURING

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 M<sup>3</sup>/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](http://www.nationalpumpcompany.com)

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7706 N. 71st Ave., Glendale, AZ 85303-1703  
(623) 979-3560 • Fax (623) 979-2177  
(800) 966-5240



### GEORGIA

902 East Union St., Vienna, GA 31092  
(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

### MISSISSIPPI

11176 Green Valley Dr., • Olive Branch, MS 38654  
(662) 895-1110 • Fax (662) 895-5083  
(866) 668-4914

### FLORIDA

195 E. 3rd Street, Zolfo Springs, FL 33890  
(863) 735-8222 • Fax (863) 735-8202  
(800) 994-3045

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3107 Slaton Highway • Lubbock, TX 79404  
(806) 745-5396 • Fax (806) 745-6668  
(800) 745-5393



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