

MTH PUMPS

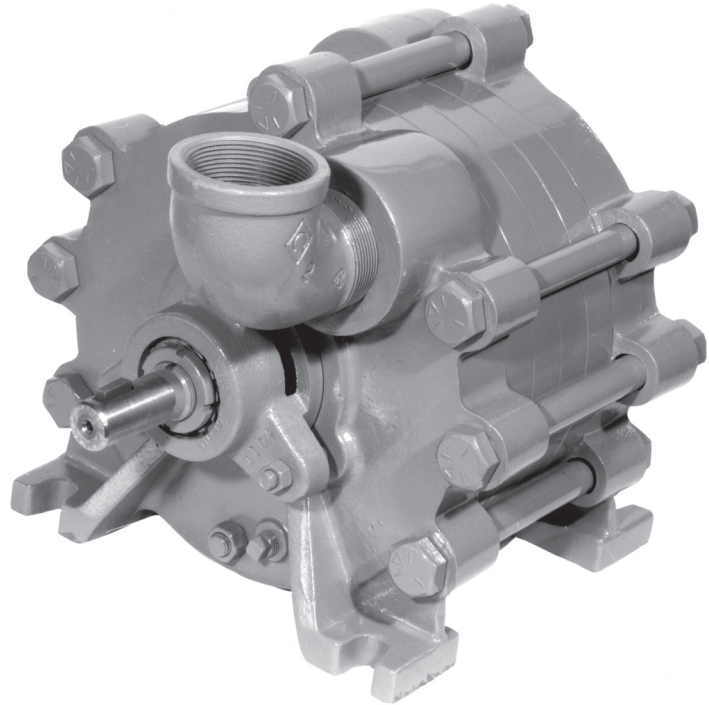
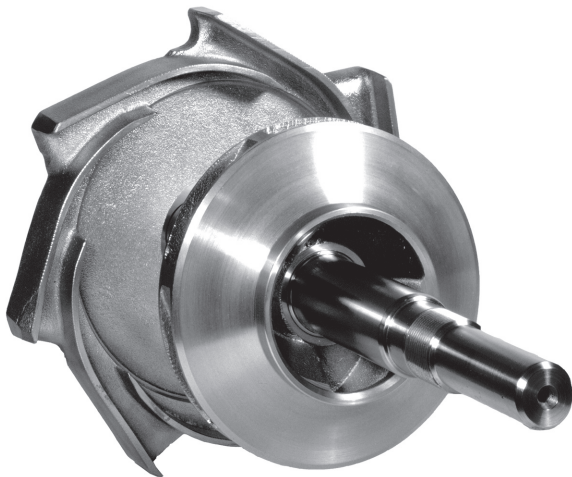
150 • 250 • 160 • 260 • 170 • 270 Series 50Hz Metric Edition

- Capacities to 470 LPM
- Heads to 350 Meters
- Low NPSH Requirements
- Flex Coupled

MTH 150 • 250 • 160 • 260 • 170 • 270 Series regenerative turbine pumps represent the most economical, high performance alternative for low flow applications involving moderate to high pressures. By combining years of regenerative turbine pump designs with precision computer controlled manufacturing, the 100 • 200 Series delivers high efficiency pumping operation, even at low NPSH. High quality parts and an easily serviceable design provide low maintenance and long life.

LOW NPSH

200 Series Inducer



The 200 Series inducer style pumps are ideally suited to applications where available NPSH at the pump inlet is limited, such as boiler feed water deaerator service.

A centrifugal Francis vane impeller with low NPSH characteristics is utilized as the pump's first stage impeller, accounting for the lower inlet head requirement.

This first stage impeller is used in conjunction with a multi-vane diffuser to provide the NPSH required by the second stage regenerative turbine.

Available NPSH as low as two feet can be effectively handled with 250 • 260 • 270 Series pumps, depending on the pump model and capacity.



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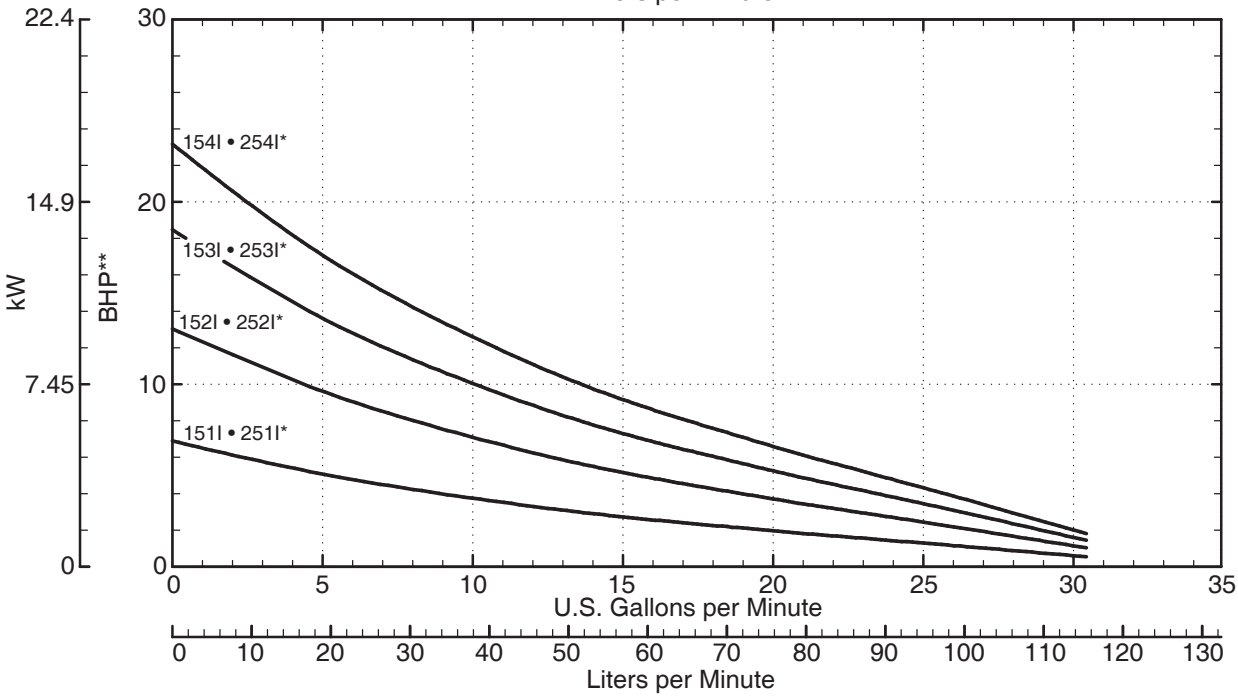
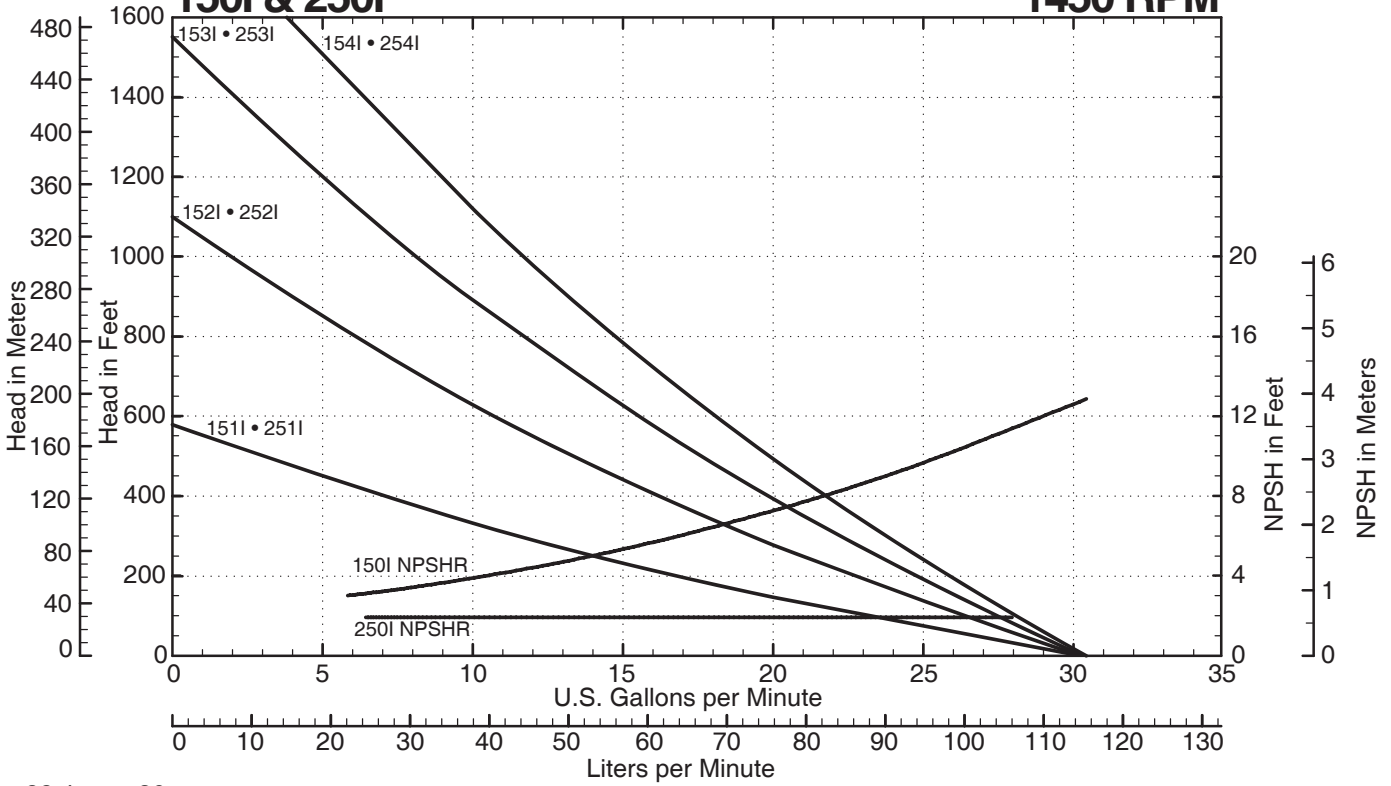
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150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

150I & 250I*

1450 RPM



NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
 Consult factory for operation below 15 LPM
 *Add 1 horsepower for 250 Series models
 **Horsepower is valid for 1.0 specific gravity fluids only



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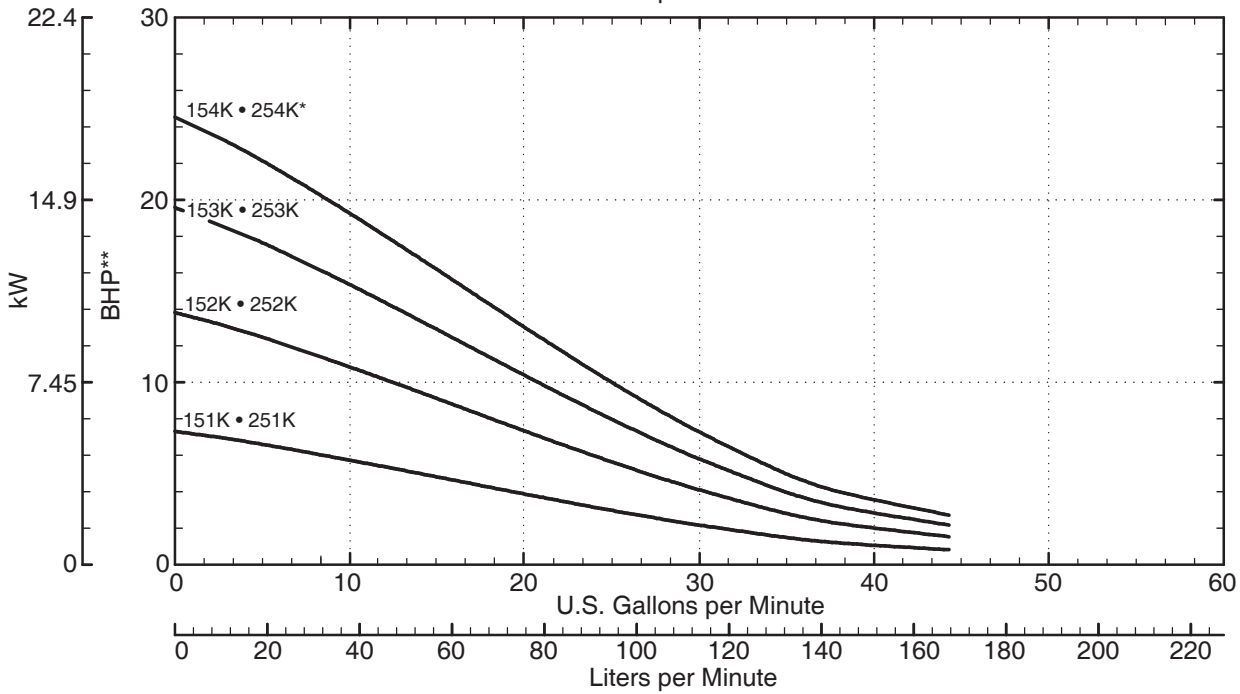
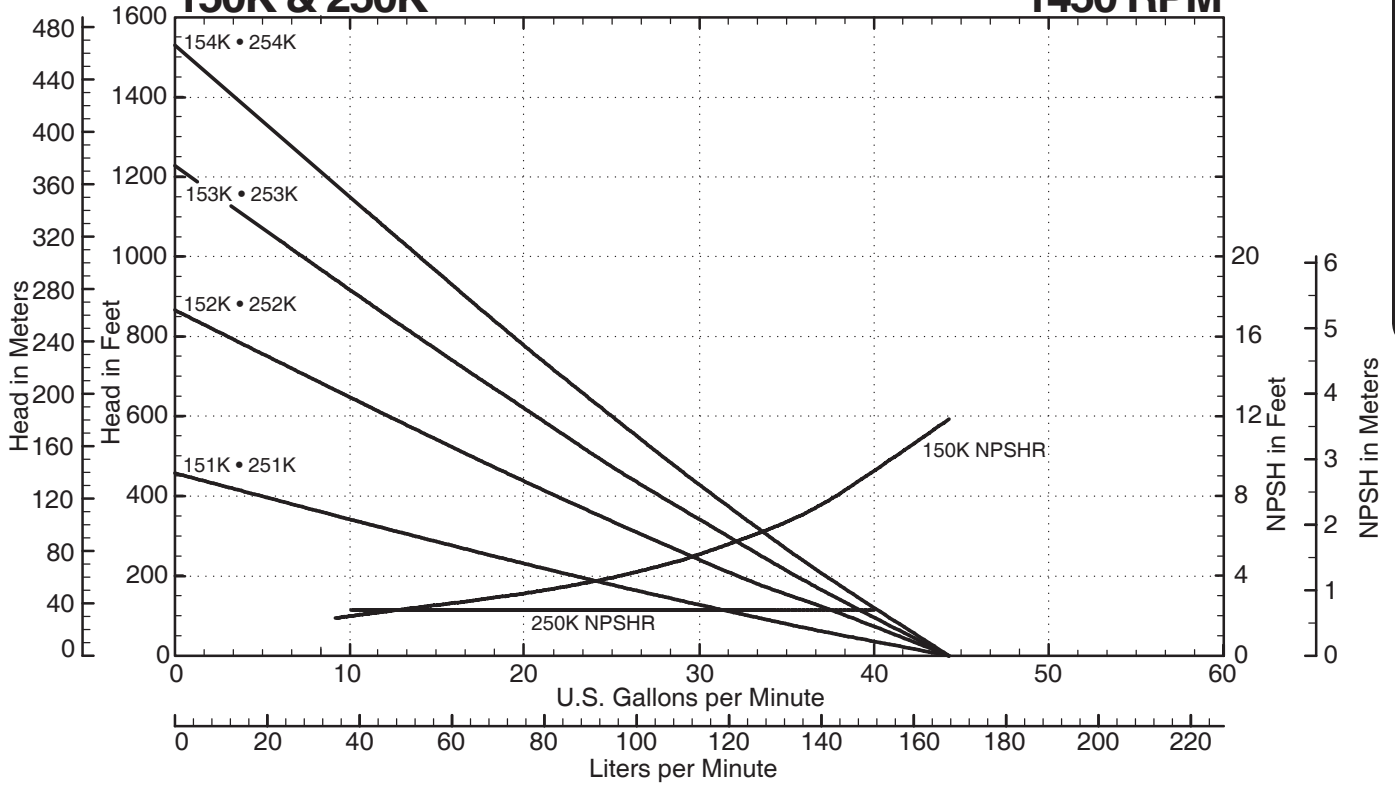
150 • 160 • 170 • 250 • 260 • 270
 SERIES PUMPS

150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

150K & 250K*

1450 RPM



150 • 160 • 170 • 250 • 260 • 270
SERIES PUMPS

NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
 Consult factory for operation below 22 LPM
 *Add 1 horsepower for 250 Series models
 **Horsepower is valid for 1.0 specific gravity fluids only



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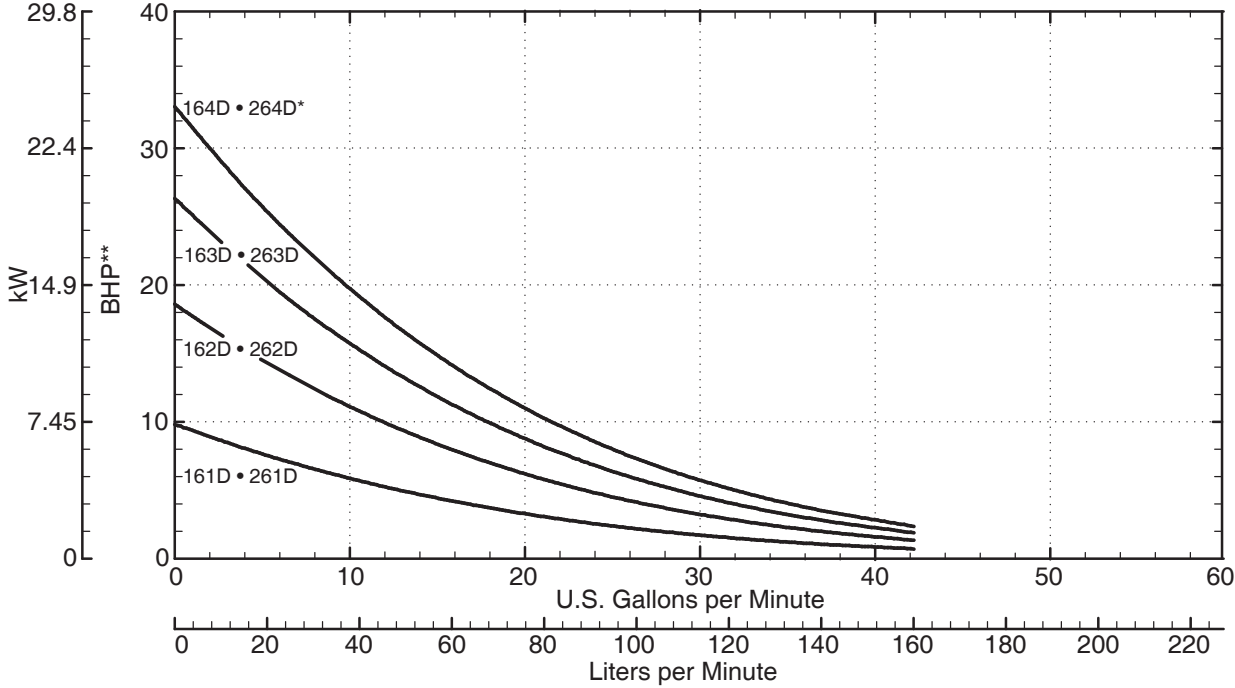
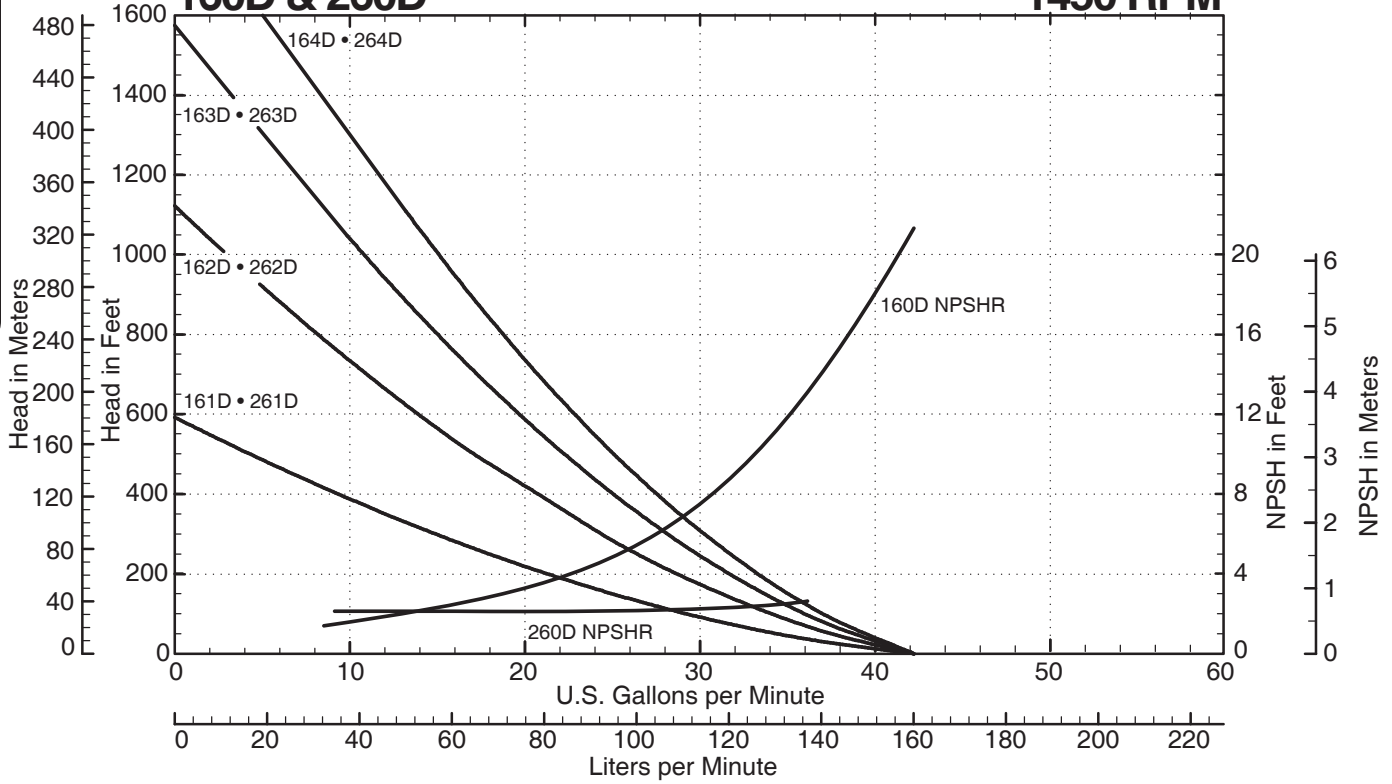
150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

160D & 260D*

1450 RPM

150 • 160 • 170 • 250 • 260 • 270
SERIES PUMPS



NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
Consult factory for operation below 26 LPM

*Add 1 horsepower for 260 Series models

**Horsepower is valid for 1.0 specific gravity fluids only



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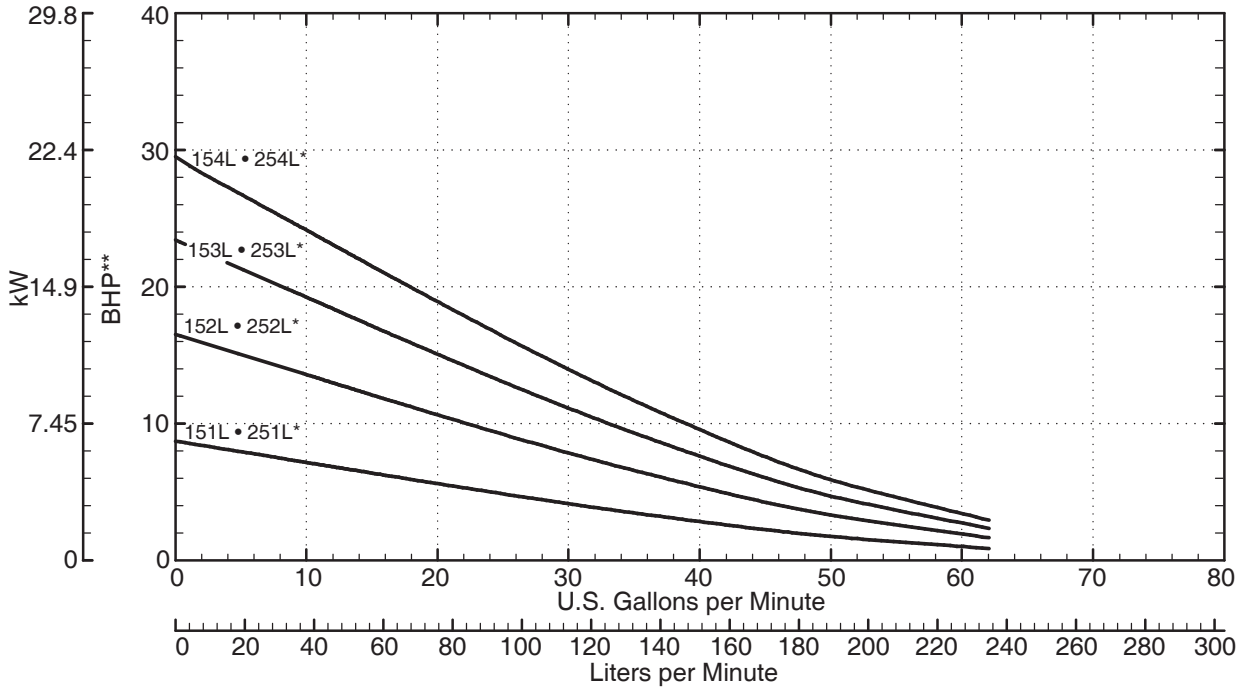
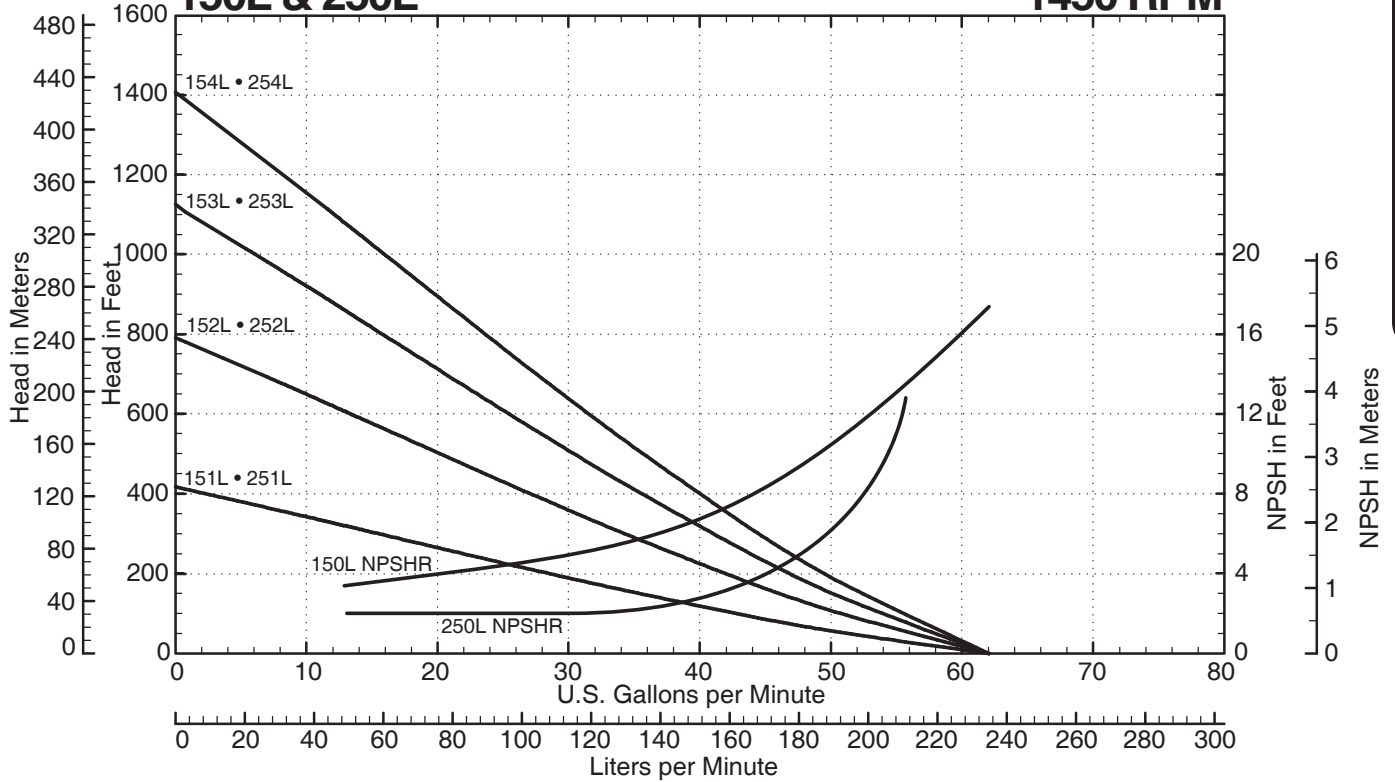
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150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

150L & 250L*

1450 RPM



NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
 Consult factory for operation below 30 LPM
 *Add 1 horsepower for 250 Series models
 **Horsepower is valid for 1.0 specific gravity fluids only



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150 • 160 • 170 • 250 • 260 • 270
 SERIES PUMPS

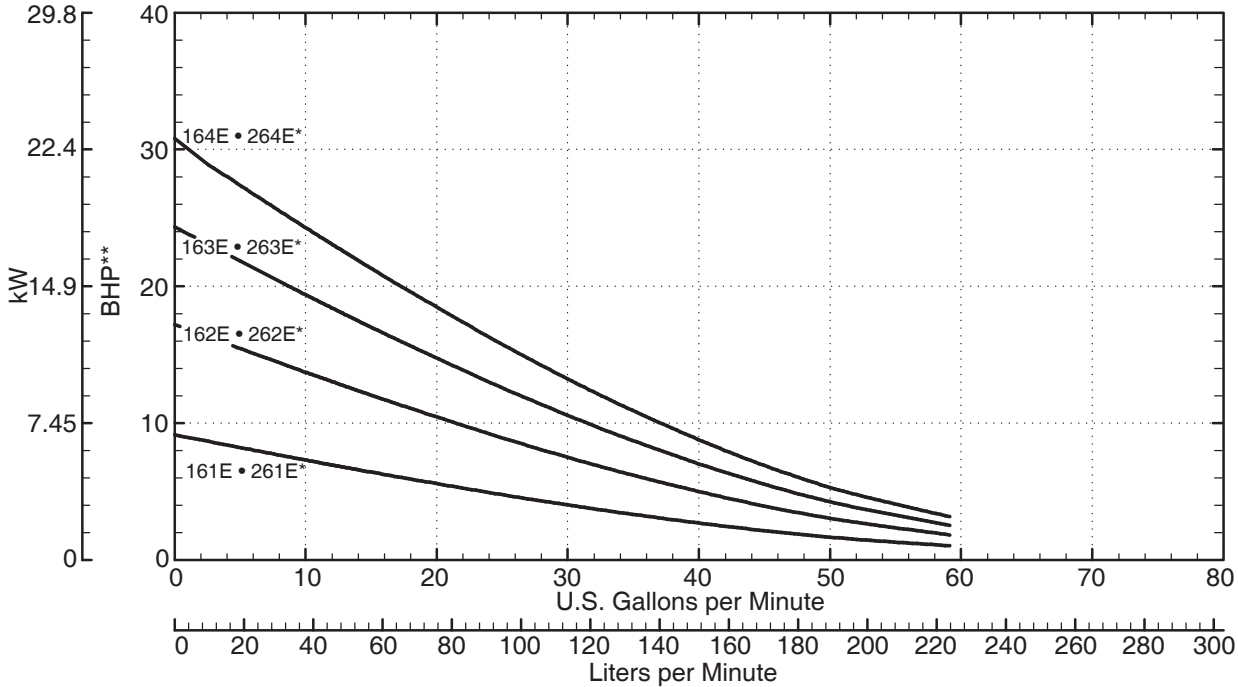
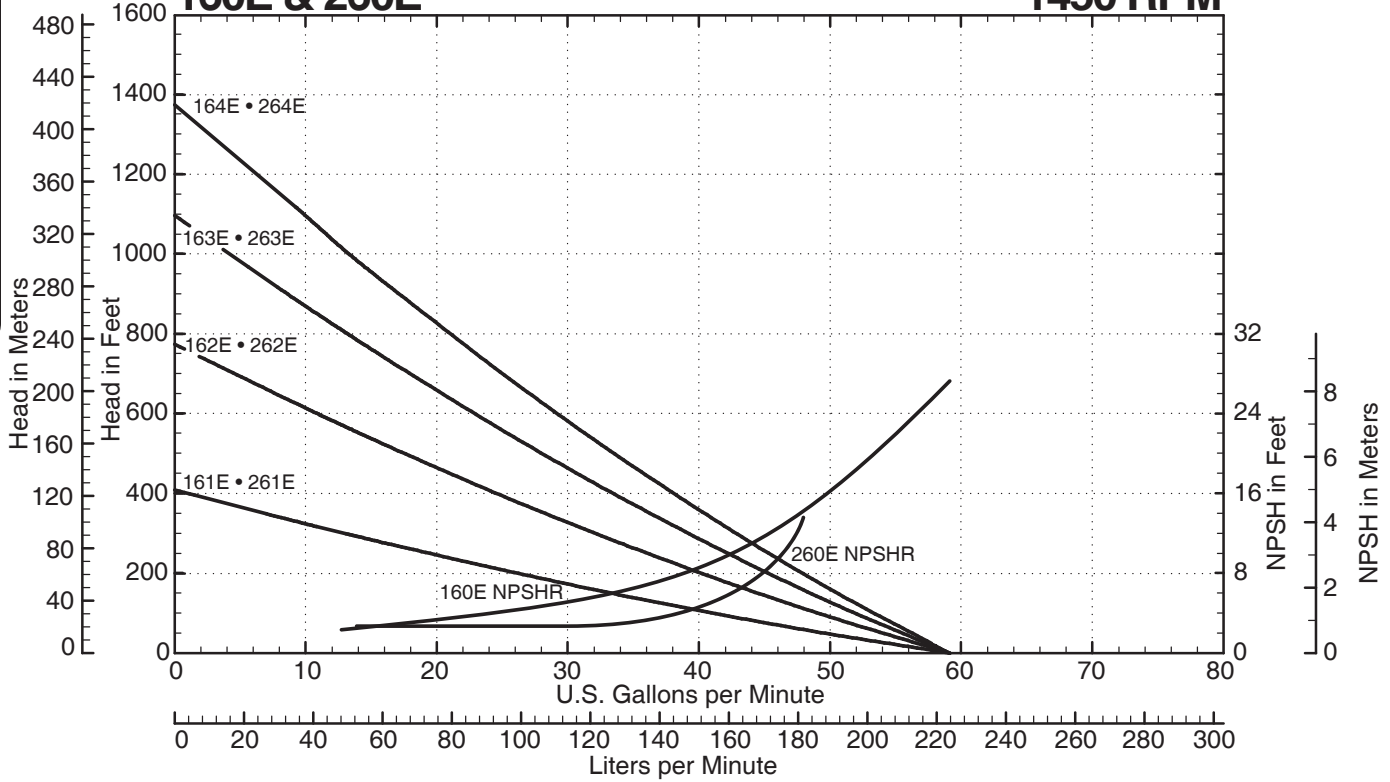
150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

160E & 260E*

1450 RPM

150 • 160 • 170 • 250 • 260 • 270
SERIES PUMPS



NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
Consult factory for operation below 30 LPM

*Add 1 horsepower for 260 Series models

**Horsepower is valid for 1.0 specific gravity fluids only



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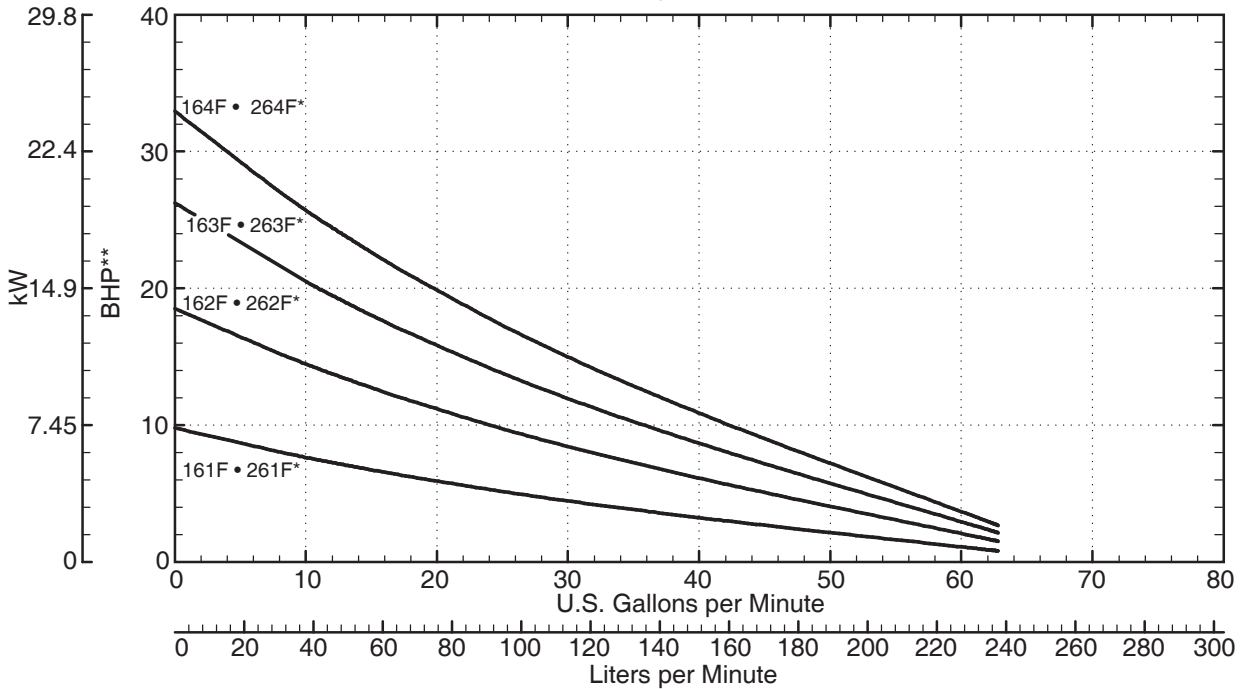
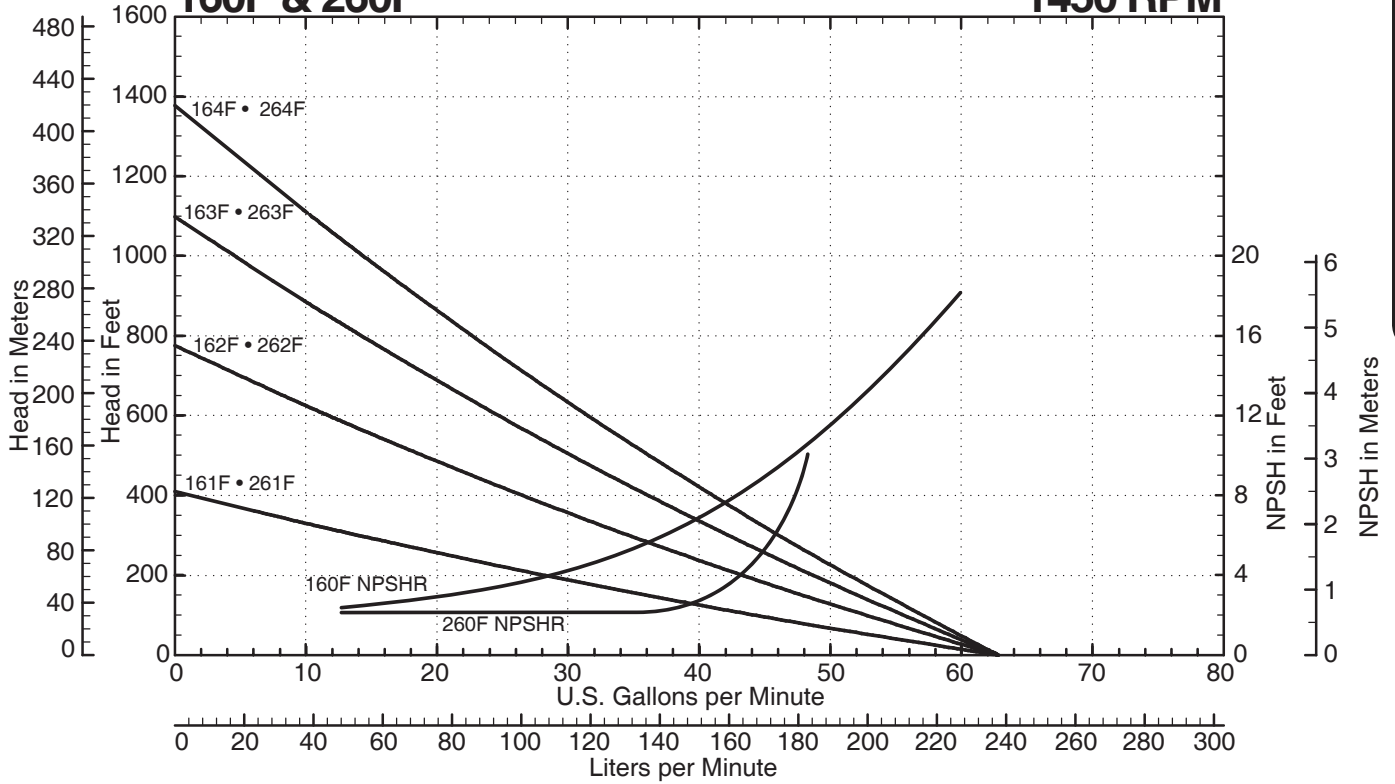
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150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

160F & 260F*

1450 RPM



NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
 Consult factory for operation below 37 LPM
 *Add 1 horsepower for 260 Series models
 **Horsepower is valid for 1.0 specific gravity fluids only



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150 • 160 • 170 • 250 • 260 • 270 SERIES PUMPS

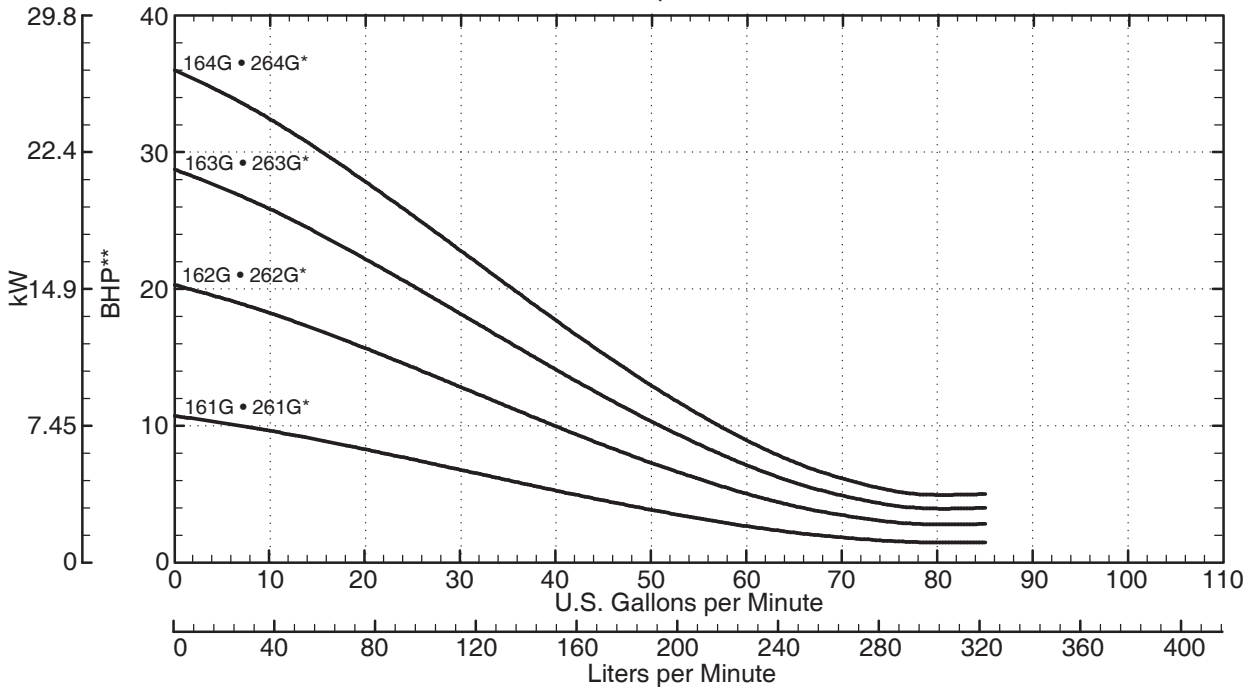
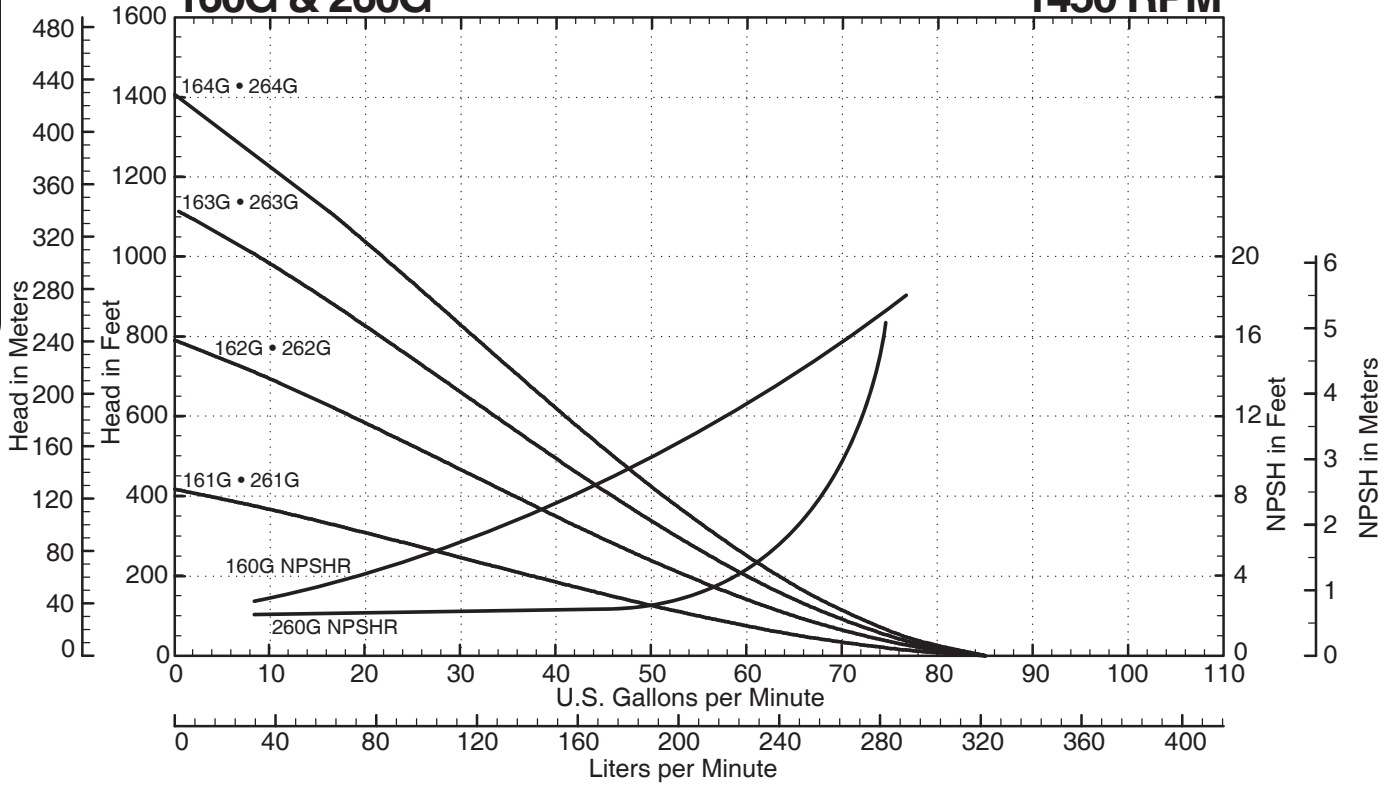
150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

160G & 260G*

1450 RPM

150 • 160 • 170 • 250 • 260 • 270
SERIES PUMPS



NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
 Consult factory for operation below 56 LPM
 *Add 1 horsepower for 260 Series models
 **Horsepower is valid for 1.0 specific gravity fluids only



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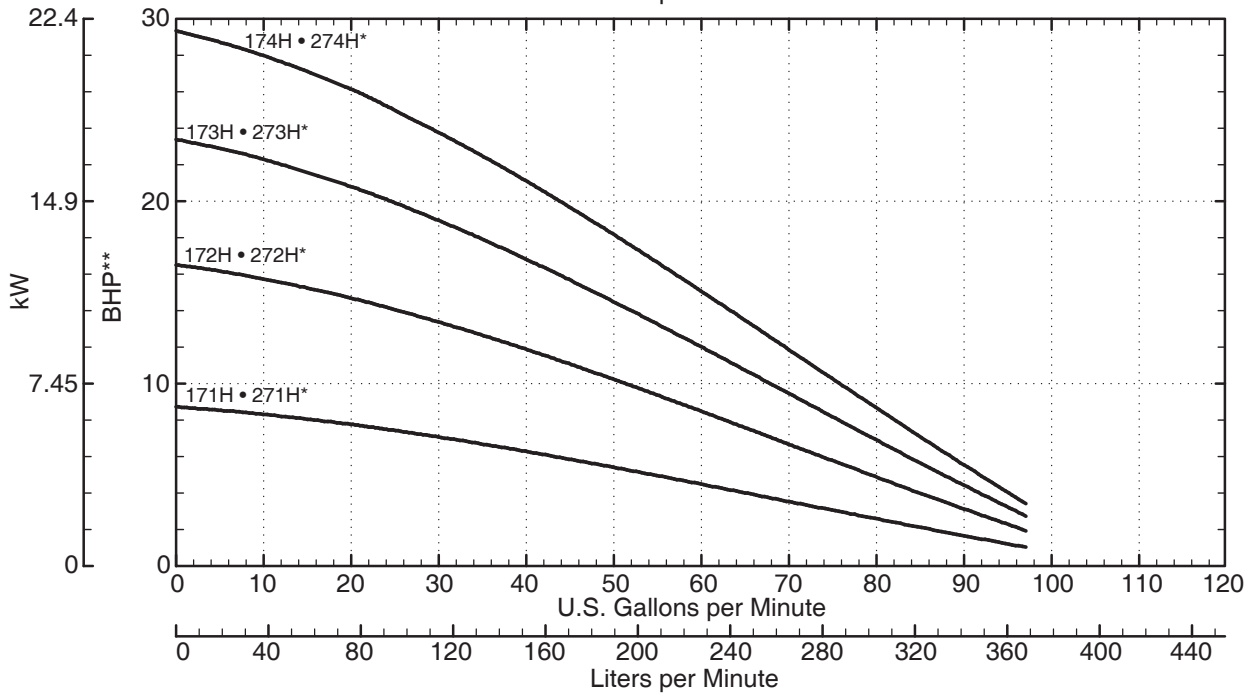
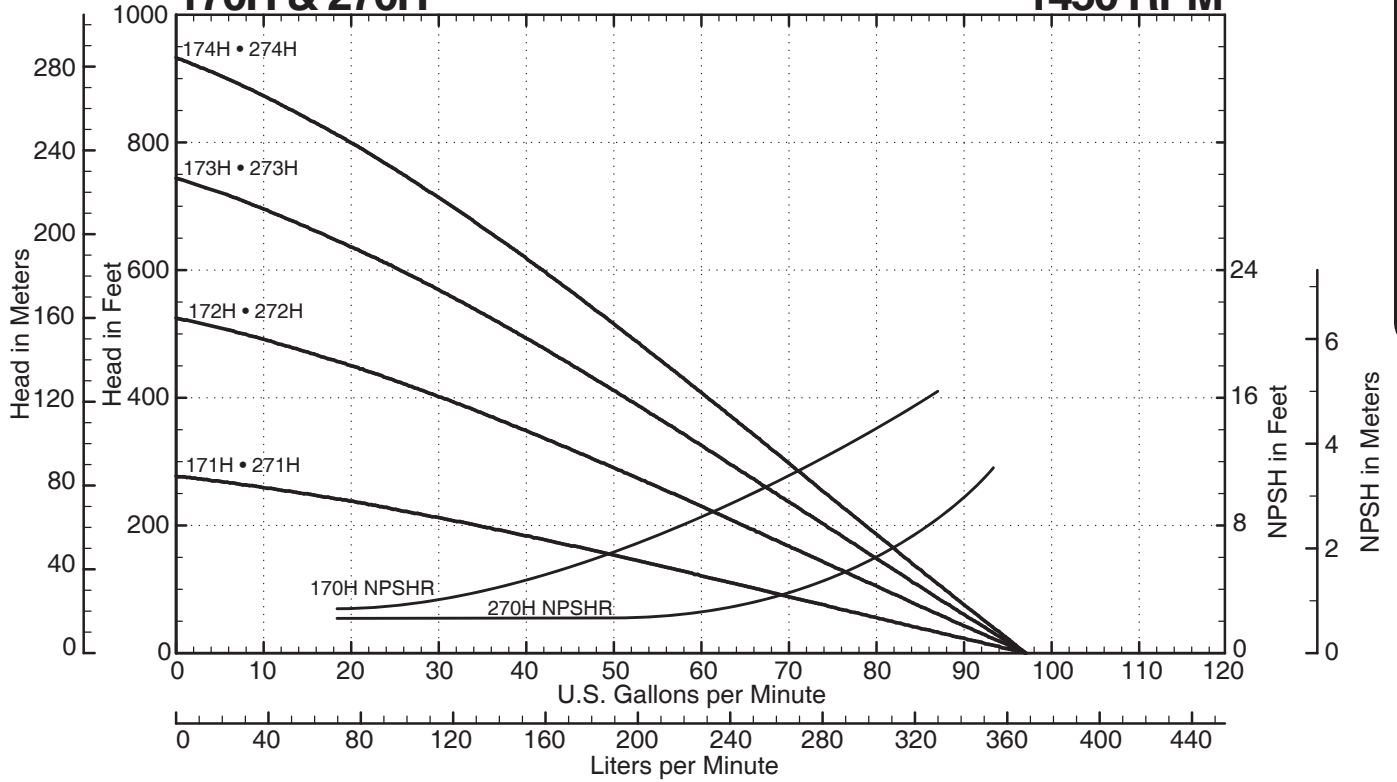
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150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

170H & 270H*

1450 RPM



150 • 160 • 170 • 250 • 260 • 270
SERIES PUMPS

NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
 Consult factory for operation below 56 LPM
 *Add 1 horsepower for 270 Series models
 **Horsepower is valid for 1.0 specific gravity fluids only



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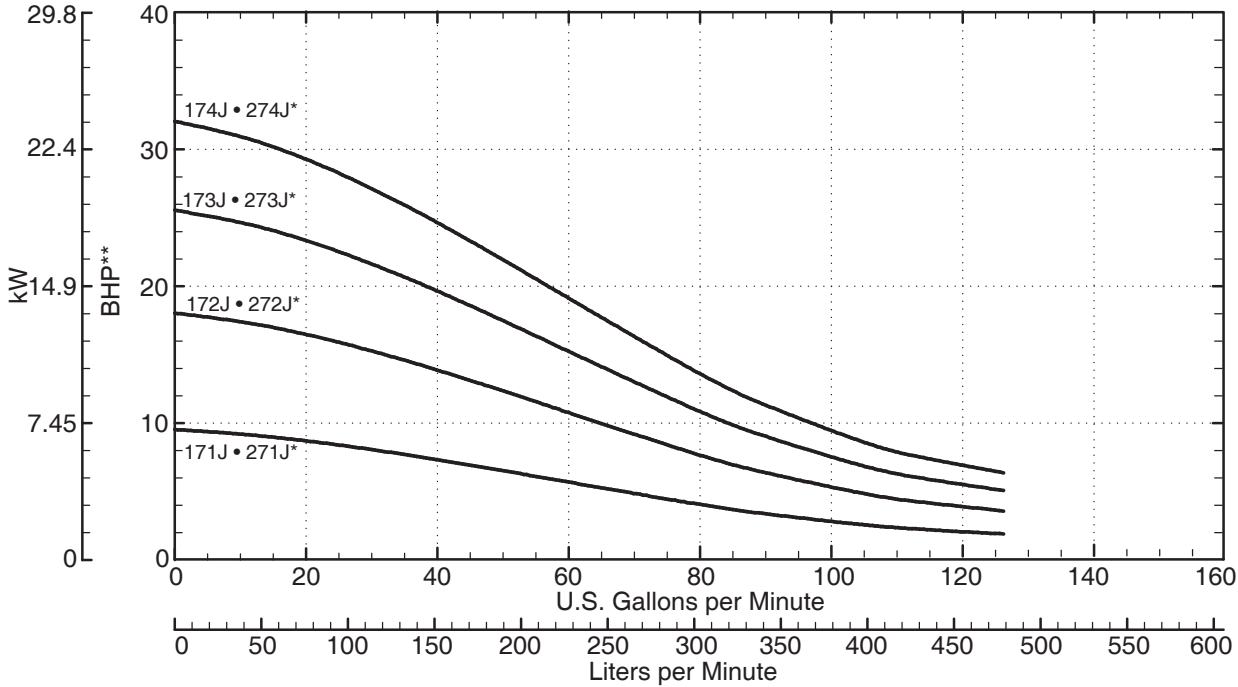
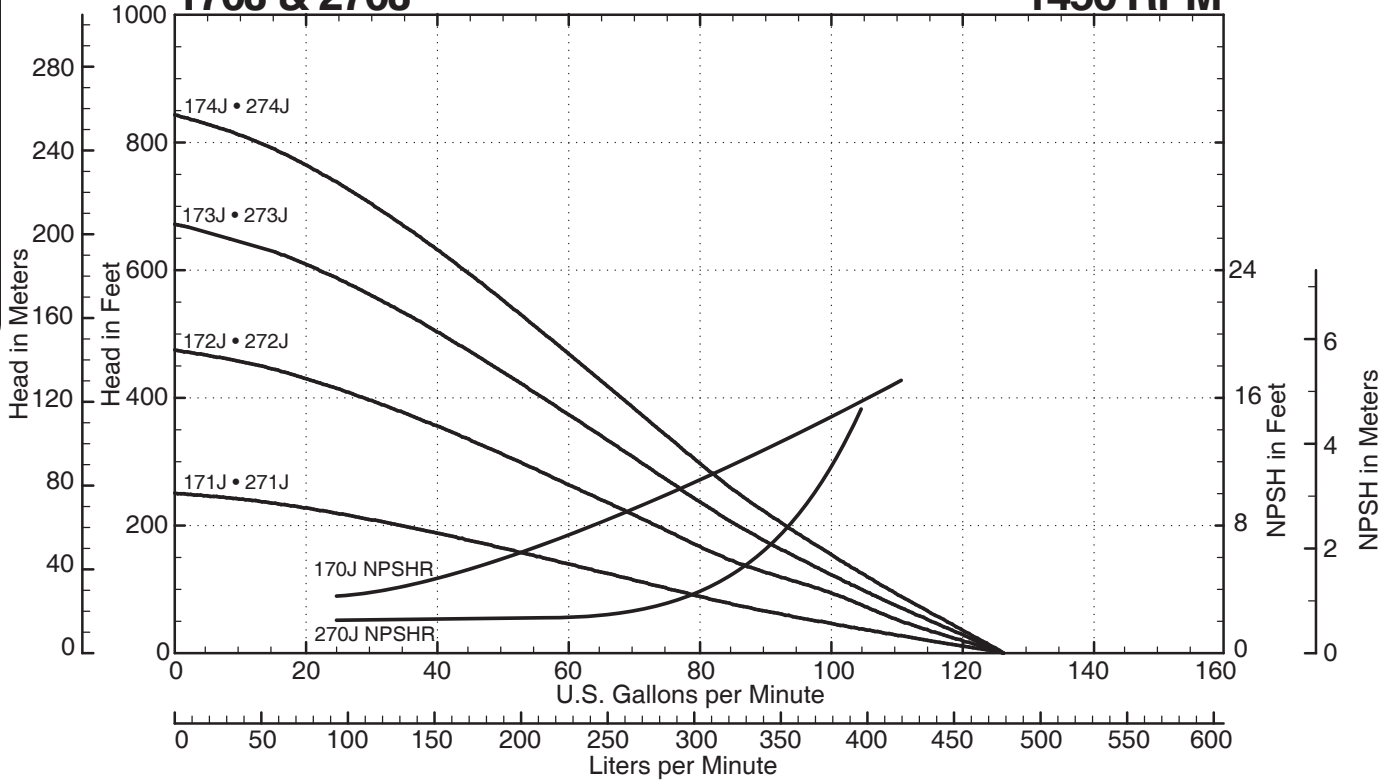
150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

170J & 270J*

1450 RPM

150 • 160 • 170 • 250 • 260 • 270
SERIES PUMPS



NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
Consult factory for operation below 68 LPM

*Add 1 horsepower for 270 Series models

**Horsepower is valid for 1.0 specific gravity fluids only



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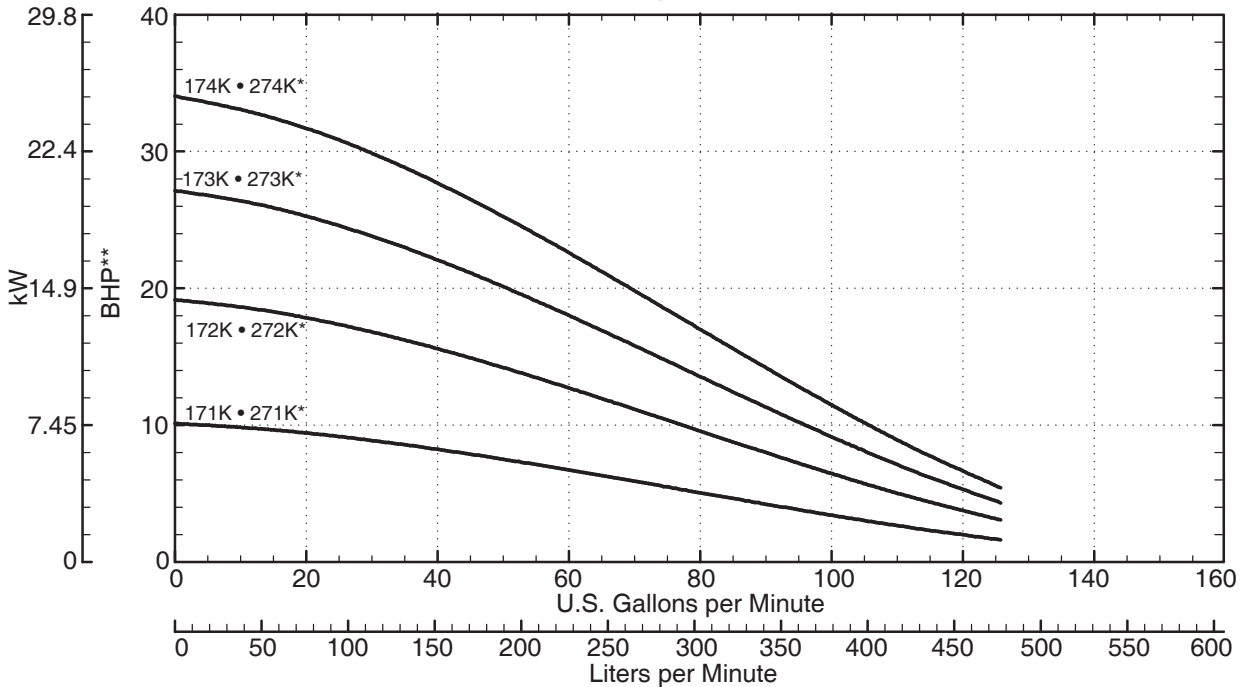
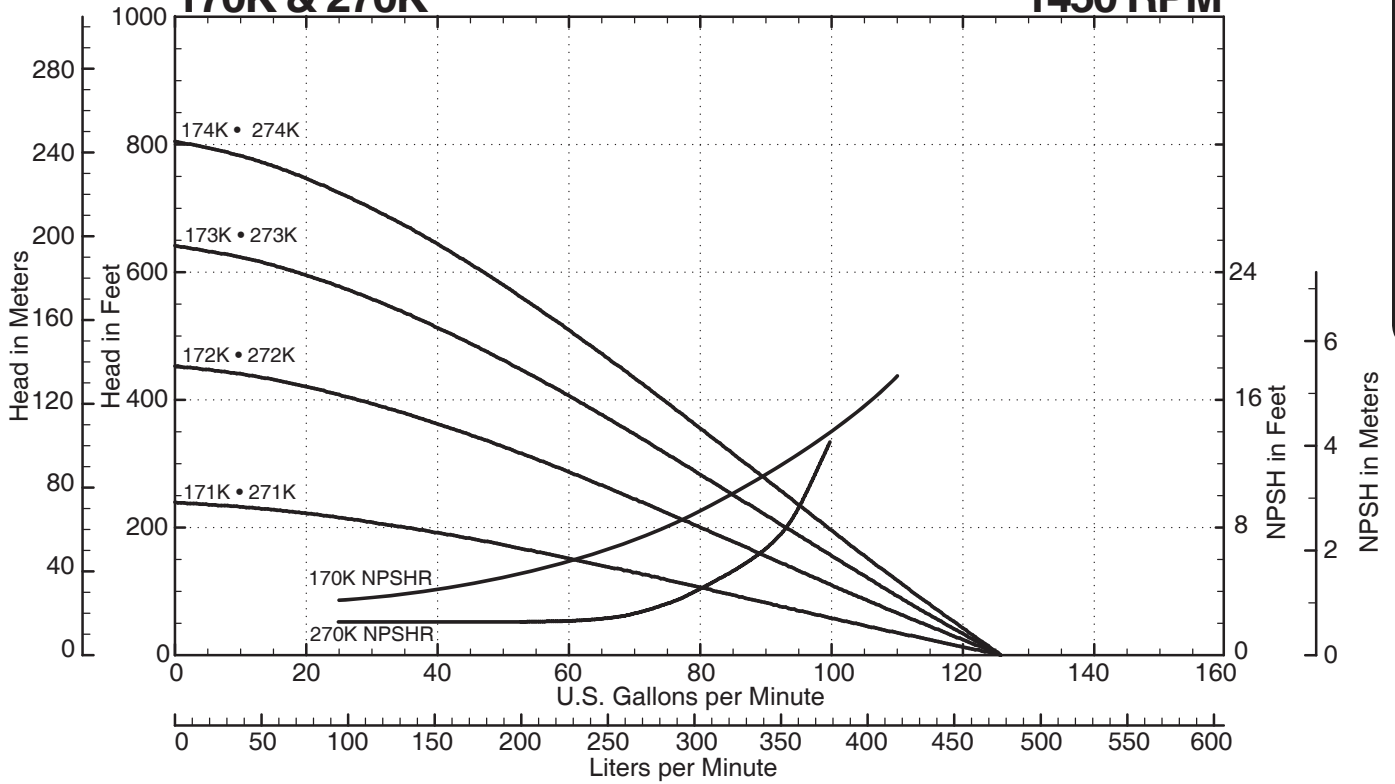
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150 • 250 • 160 • 260 • 170 • 270 SERIES

Performance Curves

170K & 270K*

1450 RPM



150 • 160 • 170 • 250 • 260 • 270
SERIES PUMPS

NOTES

Do not exceed 350 Meters TDH with 1.0 S.G. fluids
 Consult factory for operation below 20 LPM
 *Add 1 horsepower for 270 Series models
 **Horsepower is valid for 1.0 specific gravity fluids only

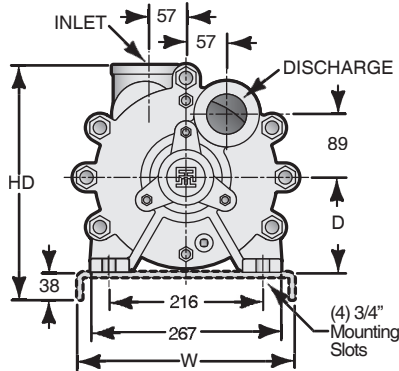
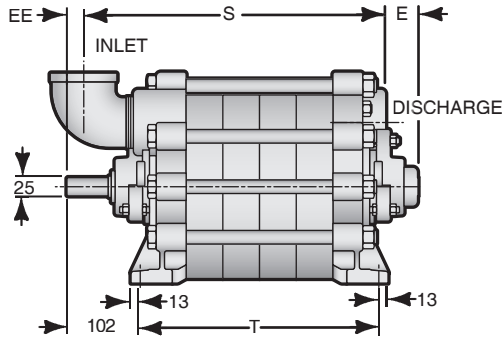


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150 • 250 • 160 • 260 • 170 • 270 SERIES

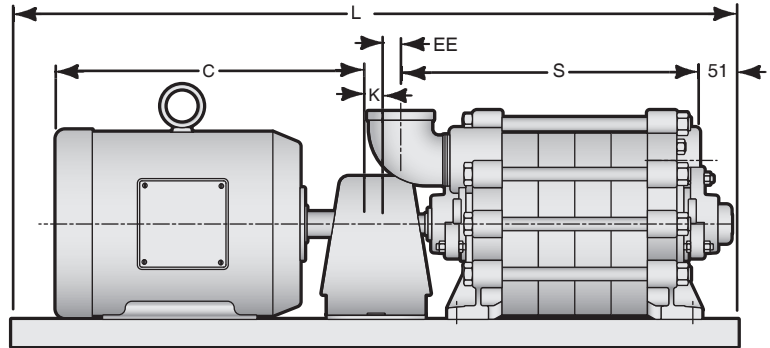
Dimensions



Pump Only Dimensions

PUMP SERIES	INLET	DISCHARGE	E	EE	S	T
151 • 161	2" NPT	2" NPT	46	33	257	178
152 • 162	2" NPT	2" NPT	46	33	308	229
153 • 163	2" NPT	2" NPT	46	33	359	279
154 • 164	2" NPT	2" NPT	46	33	410	330
171	2 1/2" NPT	2 1/2" NPT	50	25	318	229
172	2 1/2" NPT	2 1/2" NPT	50	25	419	330
173	2 1/2" NPT	2 1/2" NPT	50	25	521	432
174	2 1/2" NPT	2 1/2" NPT	50	25	622	533

ROTATION: Clockwise when viewed from driver end.



150 • 160 Series Flex Coupled Pump Dimensions

FRAME	CPLG	ALL 150 • 160 MODELS					MODEL 151 • 161		MODEL 152 • 162		MODEL 153 • 163		MODEL 154 • 164	
		D	K	HD	W	C*	L	S	L	S	L	S	L	S
143T	4J	133	15.9	318	305	330	711	257	762	308	813	359	889	410
145T	4J	133	15.9	318	305	356	711	257	762	308	813	359	889	410
182T	5J	133	19	318	305	406	762	257	813	308	889	359	1016	410
184T	5J	133	19	318	305	432	762	257	813	308	889	359	1016	410
213T	6J	133	22.2	318	305	483	889	257	889	308	1016	359	1016	410
215T	6J	133	22.2	318	305	508	889	257	889	308	1016	359	1016	410
254T	7S	159	25.4	343	381	610	1016	257	1016	308	1143	359	1143	410
256T	8S	159	28.6	343	381	635	1016	257	1016	308	1143	359	1143	410
284T	8S	178	28.6	368	381	635	1016	257	1143	308	1143	359	1270	410
286T	8S	178	28.6	368	381	711	1016	257	1143	308	1143	359	1270	410
324T	8S	203	28.6	387	457	737	1143	257	1143	308	1270	359	1270	410
326T	8S	203	28.6	387	457	787	1143	257	1143	308	1270	359	1270	410
364T	8S	229	28.6	413	457	813	1270	257	1270	308	1270	359	1397	410

170 Series Flex Coupled Pump Dimensions

FRAME	CPLG	ALL 170 MODELS					MODEL 171		MODEL 172		MODEL 173		MODEL 174	
		D	K	HD	W	C*	L	S	L	S	L	S	L	S
143T	4J	133	15.9	337	305	330	762	318	838	419	1016	521	1143	622
145T	4J	133	15.9	337	305	356	762	318	838	419	1016	521	1143	622
182T	5J	133	19	337	305	406	813	318	965	419	1016	521	1143	622
184T	5J	133	19	337	305	432	813	318	965	419	1016	521	1143	622
213T	6J	133	22.2	337	305	483	889	318	1016	419	1143	521	1270	622
215T	6J	133	22.2	337	305	508	889	318	1016	419	1143	521	1270	622
254T	7S	159	25.4	368	381	610	1016	318	1143	419	1270	521	1397	622
256T	8S	159	28.6	368	381	635	1016	318	1143	419	1270	521	1397	622
284T	8S	178	28.6	381	381	635	1143	318	1143	419	1270	521	1397	622
286T	8S	178	28.6	381	381	711	1143	318	1143	419	1270	521	1397	622
324T	8S	203	28.6	406	457	737	1143	318	1270	419	1397	521	1524	622
326T	8S	203	28.6	406	457	787	1143	318	1270	419	1397	521	1524	622
364T	8S	229	28.6	432	457	813	1270	318	1270	419	1397	521	1524	622

NOTES

All dimensions in millimeters. May vary ± 6 MM.
 *C Dimension varies depending on motor enclosure type. Max Dimension Listed
 Not for construction purposes unless certified.
 ROTATION: Clockwise when viewed from driver end.



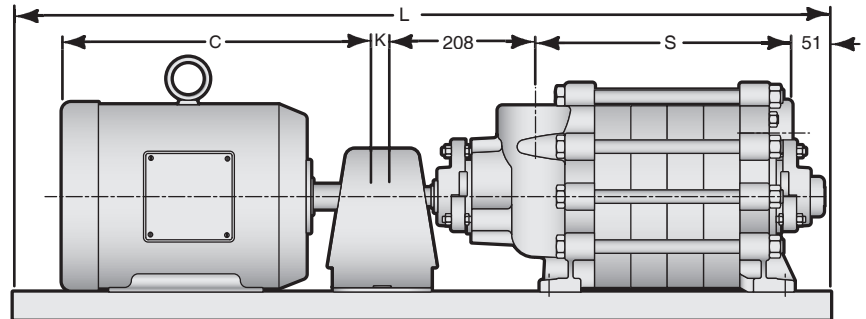
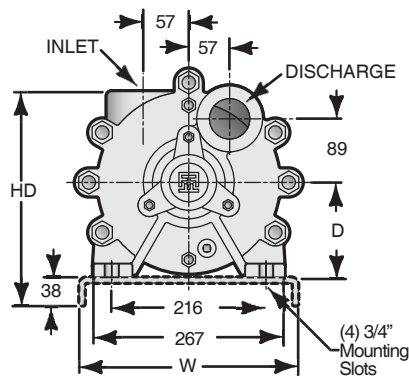
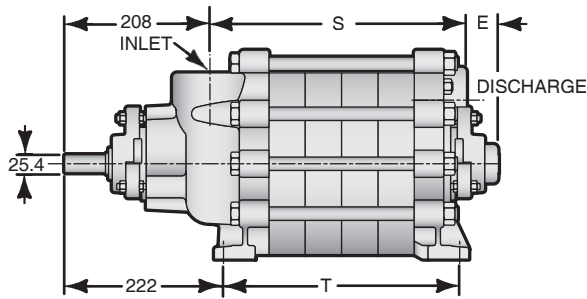
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150 • 160 • 170 • 250 • 260 • 270 SERIES PUMPS

150 • 250 • 160 • 260 • 170 • 270 SERIES

Dimensions



Pump Only Dimensions

PUMP SERIES	INLET	DISCHARGE	E	S	T
251 • 261	2 1/2" NPT	2" NPT	46	203	178
252 • 262	2 1/2" NPT	2" NPT	46	254	229
253 • 263	2 1/2" NPT	2" NPT	46	305	279
254 • 264	2 1/2" NPT	2" NPT	46	356	330
271	2 1/2" NPT	2 1/2" NPT	50	254	229
272	2 1/2" NPT	2 1/2" NPT	50	356	330
273	2 1/2" NPT	2 1/2" NPT	50	457	432
274	2 1/2" NPT	2 1/2" NPT	50	559	533

ROTATION: Clockwise when viewed from driver end.

250 • 260 Series Flex Coupled Pump Dimensions

FRAME	CPLG	ALL 250 • 260 MODELS					MODEL 251 • 261		MODEL 252 • 262		MODEL 253 • 263		MODEL 254 • 264	
		D	K	HD	W	C*	L	S	L	S	L	S	L	S
143T	4J	133	15.9	298	305	330	889	203	889	254	-	-	-	-
145T	4J	133	15.9	298	305	356	889	203	889	254	-	-	-	-
182T	5J	133	19	298	305	406	889	203	1016	254	1016	305	1143	356
184T	5J	133	19	298	305	432	889	203	1016	254	1016	305	1143	356
213T	6J	133	22.2	298	305	483	1016	203	1016	254	1143	305	1143	356
215T	6J	133	22.2	298	305	508	1016	203	1016	254	1143	305	1143	356
254T	7S	159	25.4	324	381	610	1143	203	1143	254	1270	305	1270	356
256T	8S	159	28.6	324	381	635	1143	203	1143	254	1270	305	1270	356
284T	8S	178	28.6	343	381	635	1143	203	1270	254	1270	305	1270	356
286T	8S	178	28.6	343	381	711	1143	203	1270	254	1270	305	1270	356
324T	8S	203	28.6	368	457	737	1270	203	1270	254	1397	305	1397	356
326T	8S	203	28.6	368	457	787	1270	203	1270	254	1397	305	1397	356
364T	8S	229	28.6	394	457	813	1270	203	1270	254	1397	305	1397	356

270 Series Flex Coupled Pump Dimensions

FRAME	CPLG	ALL 270 MODELS					MODEL 271		MODEL 272		MODEL 273		MODEL 274	
		D	K	HD	W	C*	L	S	L	S	L	S	L	S
143T	4J	133	15.9	298	305	330	889	254	1016	356	-	-	-	-
145T	4J	133	15.9	298	305	356	889	254	1016	356	-	-	-	-
182T	5J	133	19	298	305	406	1016	254	1143	356	1143	457	1270	559
184T	5J	133	19	298	305	432	1016	254	1143	356	1143	457	1270	559
213T	6J	133	22.2	298	305	483	1143	254	1143	356	1270	457	1397	559
215T	6J	133	22.2	298	305	508	1143	254	1143	356	1270	457	1397	559
254T	7S	159	25.4	324	381	610	1143	254	1270	356	1397	457	1524	559
256T	8S	159	28.6	324	381	635	1143	254	1270	356	1397	457	1524	559
284T	8S	178	28.6	343	381	635	1270	254	1270	356	1397	457	1524	559
286T	8S	178	28.6	343	381	711	1270	254	1270	356	1397	457	1524	559
324T	8S	203	28.6	368	457	737	1270	254	1397	356	1524	457	1524	559
326T	8S	203	28.6	368	457	787	1270	254	1397	356	1524	457	1524	559
364T	8S	229	28.6	394	457	813	1270	254	1397	356	1524	457	1524	559

NOTES

All dimensions in millimeters. May vary ± 6 MM.

*C Dimension varies depending on motor enclosure type. Max Dimension Listed

Not for construction purposes unless certified.

ROTATION: Clockwise when viewed from driver end.



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