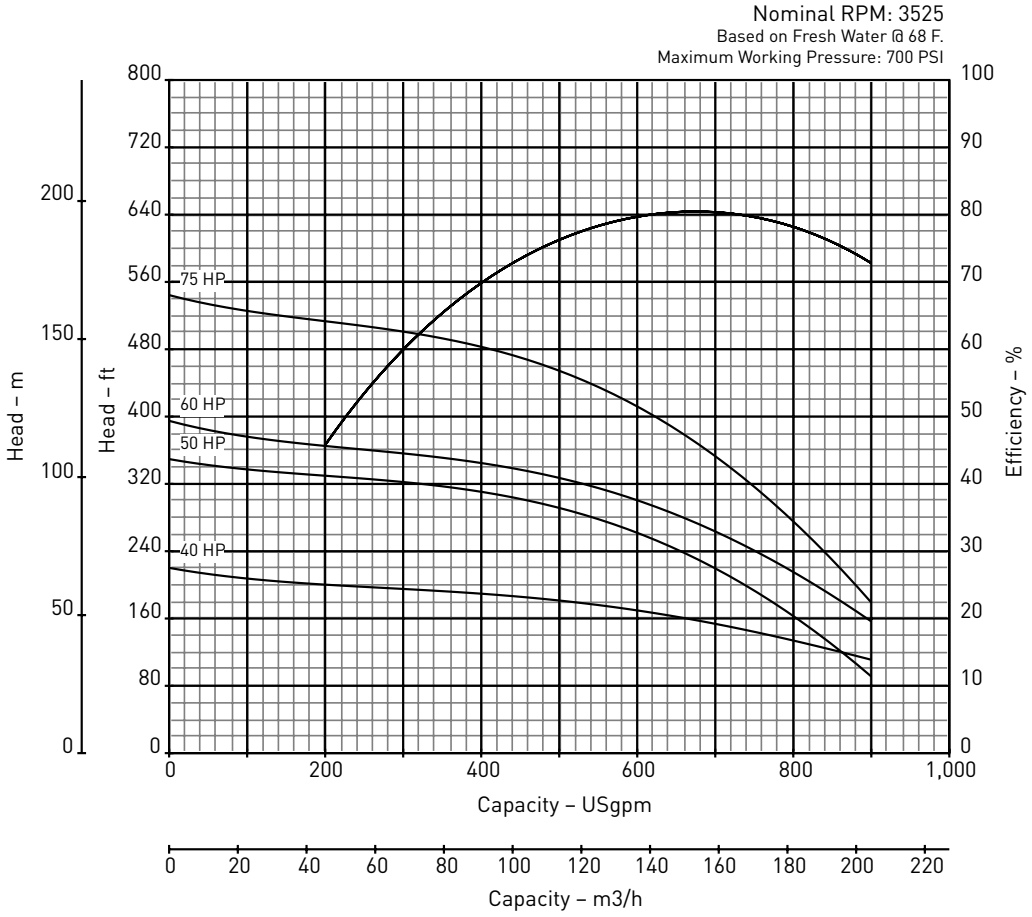
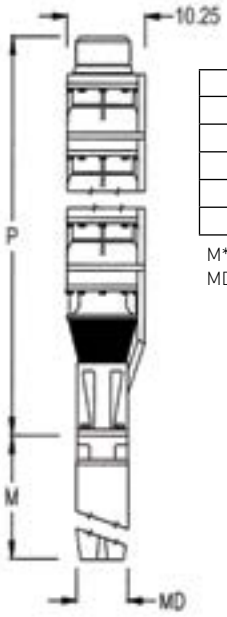
BERKELEY® 10T-750
Submersible Turbine





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
40	1	8"	26.19	35.80	7.69	310	163
50	2	8"	33.63	38.80	7.69	350	232
60	2	8"	33.63	41.80	7.69	385	232
75	3	8"	41.06	54.90	7.69	424	302
Note: Dimensions=Inches; Weight=U.S. Lbs.							

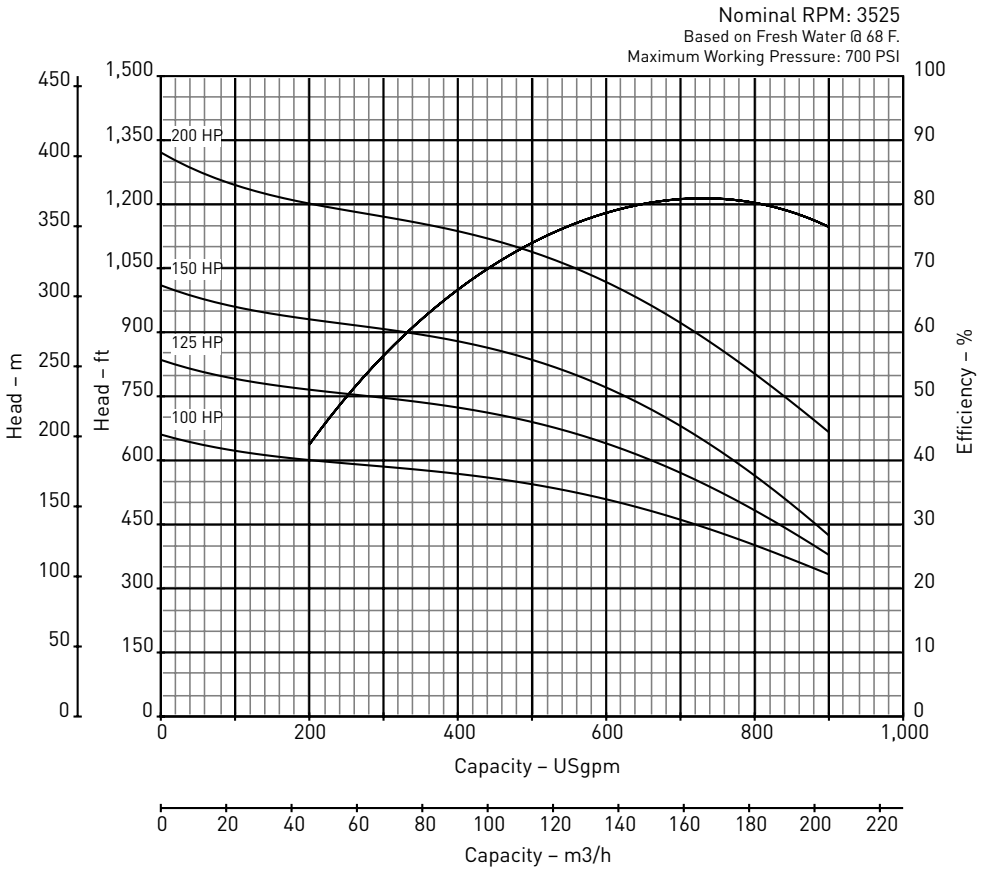
M*-Maximum Length
MD*-Motor Diameter

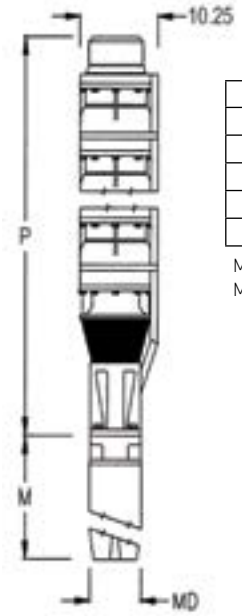
Specifications

Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	2.0 Feet
Capacity Range	200 - 900 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

BERKELEY® 10T-750
Submersible Turbine





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
100	3	8"	41.06	58.90	7.69	463	302
125	4	8"	48.50	68.80	7.69	700	371
150	5	8"	55.94	77.80	7.69	850	441
200	6	8"	63.38	94.80	7.69	1050	510
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

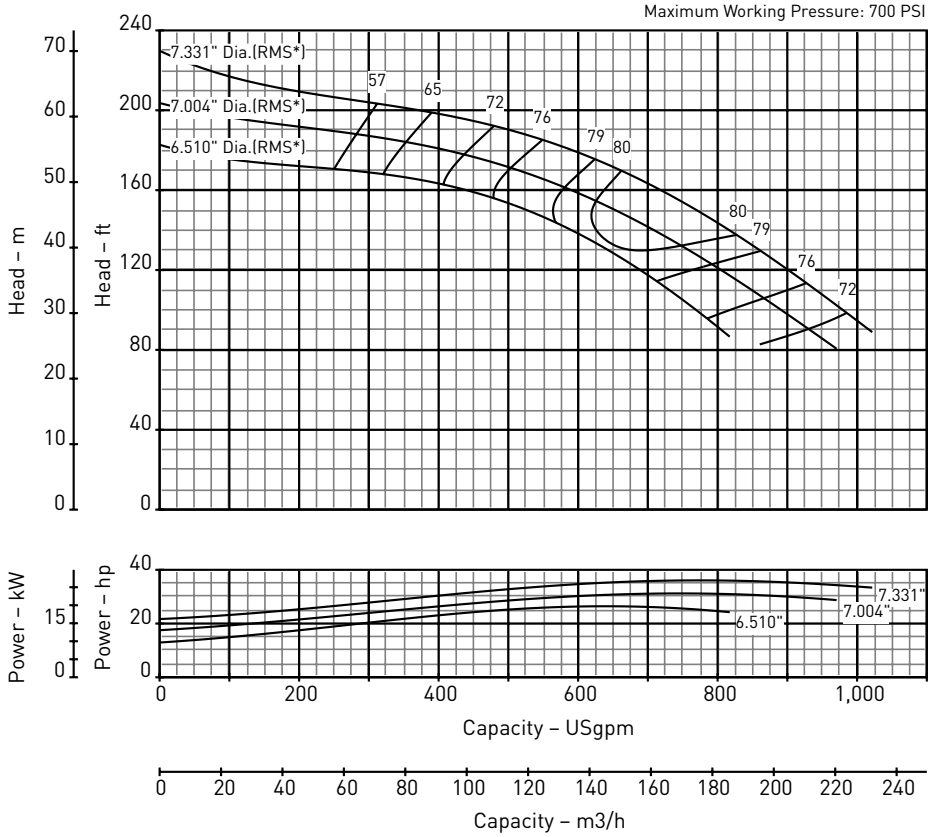
Specifications

Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	2.0 Feet
Capacity Range	200 - 900 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

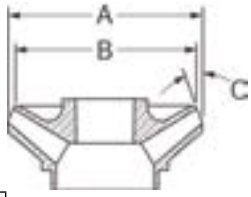
BERKELEY® 10T-750
Submersible Turbine - Single Stage Performance

Normalized RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 700 PSI



Impeller Dimensions

RMS* Diameter	A Diameter	B Diameter	C Angle
5.663	5.969	5.340	21.5
5.430	5.750	5.090	21.5
5.166	5.500	4.810	21.5
*Root-Mean-Square			



Materials of Construction

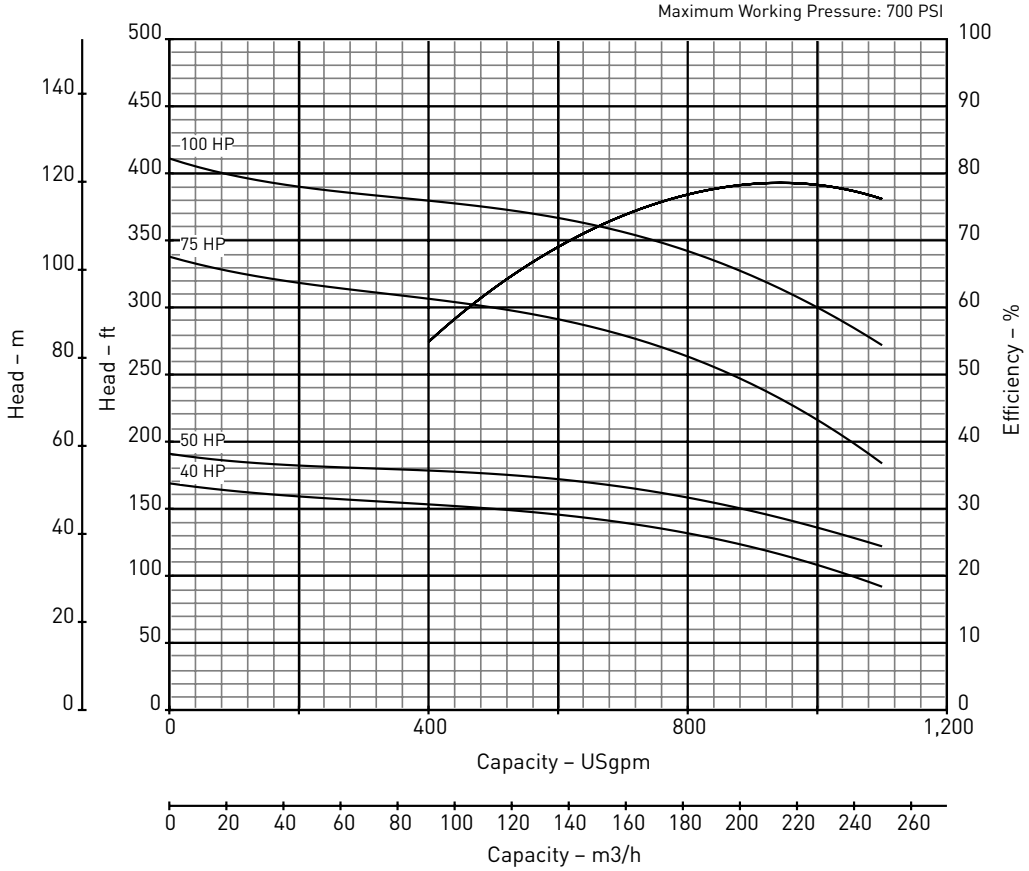
Part Name	Common Material Name	Material Spec Number
Discharge Adapter	Cast Iron	ASTM A48 Class 30
Top Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Intermediate Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Bearings, Top and Suction Case	Bronze	ASTM B144-3B (SAE 660)
Impeller	Bronze	ASTM B584 UNS C83600
Pump Shaft	Stainless Steel	ASTM AISI 416
Impeller Collets	Steel	AISI 1226
Suction Bracket	Cast Iron	ASTM A48 Class 30
Bowl Bearing	Bronze	ASTM B505 C93200
Sand Cap	Bronze	ASTM B144-3B (SAE 660)
Strainer	Stainless Steel	AISI 302 UNS S30200
Cable Guard	Stainless Steel	AISI 302 UNS S30200
Shaft Coupling	Stainless Steel	AISI 416 UNS S41600
Wear Ring, Bowl	Bronze	ASTM B505 C93200

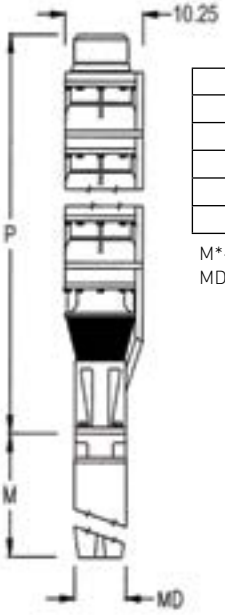
Note: Efficiency based on average staging

PENTAIR

BERKELEY® 10T-900
Submersible Turbine

Nominal RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 700 PSI





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
40	1	8"	26.19	35.80	7.69	310	163
50	1	8"	26.19	38.80	7.69	350	163
75	2	8"	33.63	54.90	7.69	424	232
100	2	8"	33.63	58.90	7.69	463	232
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

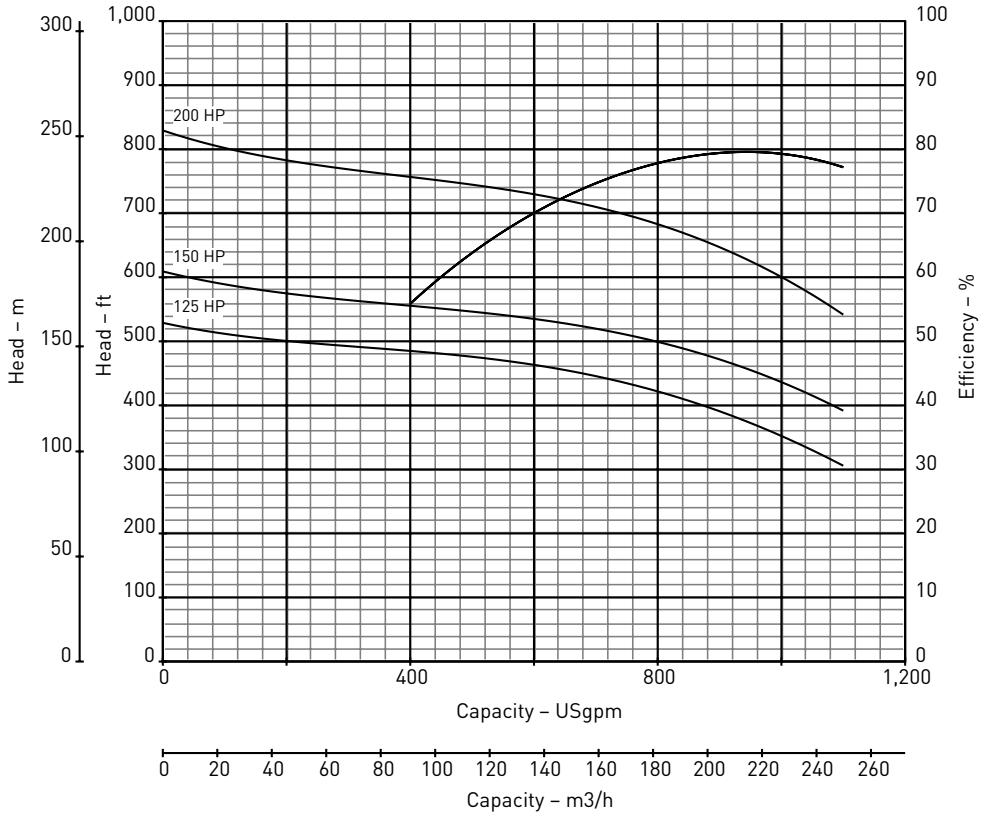
Specifications

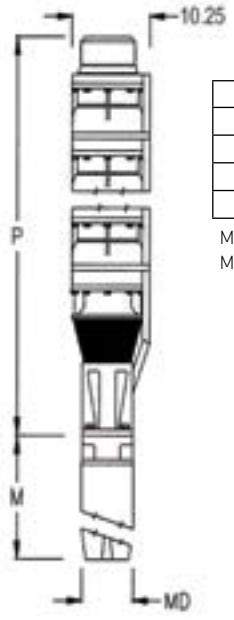
Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	5.0 Feet
Capacity Range	300 - 1200 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

BERKELEY® 10T-900
Submersible Turbine

Nominal RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 700 PSI





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
125	3	8"	41.06	68.80	7.69	700	302
150	3	8"	41.06	77.80	7.69	850	302
200	4	8"	48.50	94.80	7.69	1050	371
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

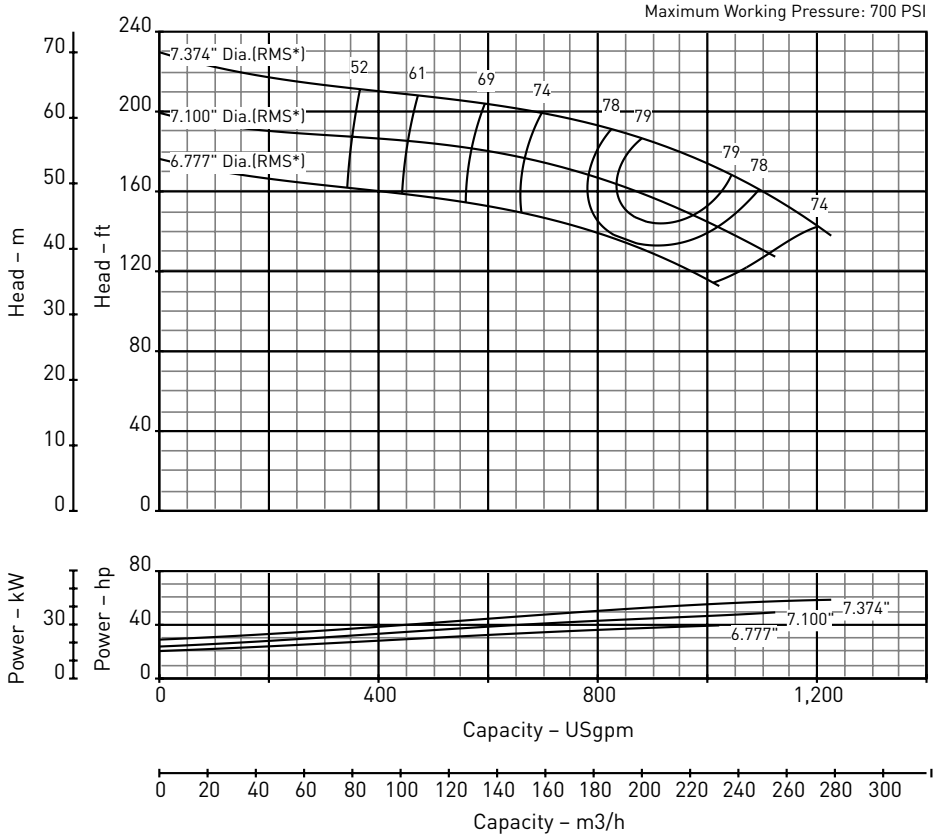
Specifications

Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	5.0 Feet
Capacity Range	300 - 120 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

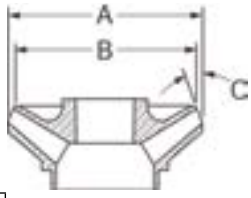
BERKELEY® 10T-900
Submersible Turbine - Single Stage Performance

Normalized RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 700 PSI



Impeller Dimensions

RMS* Diameter	A Diameter	B Diameter	C Angle
7.374	7.620	7.120	17
7.100	7.320	6.872	17
6.777	7.000	6.546	17
*Root-Mean-Square			



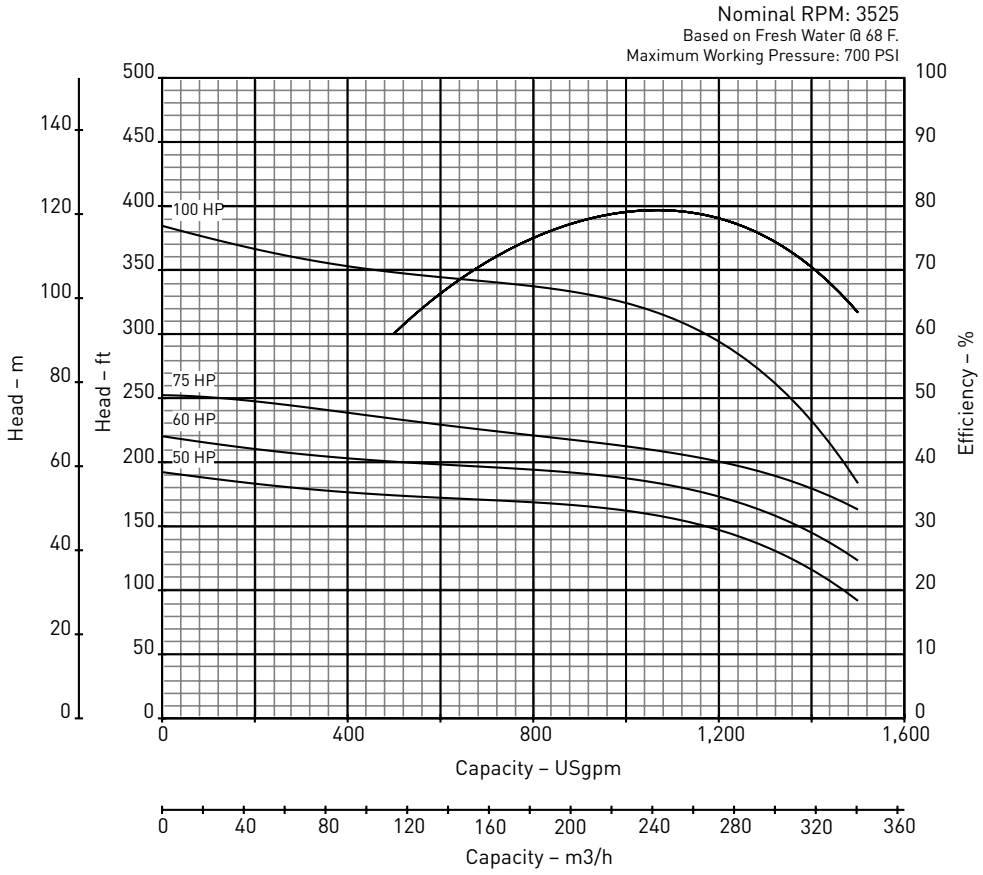
Materials of Construction

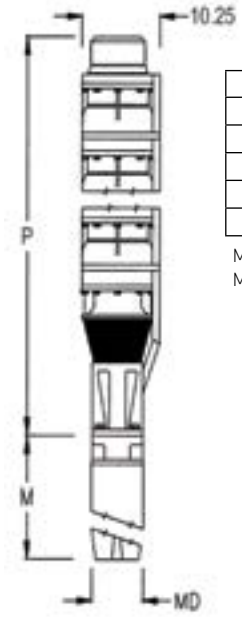
Part Name	Common Material Name	Material Spec Number
Discharge Adapter	Cast Iron	ASTM A48 Class 30
Top Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Intermediate Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Bearings, Top and Suction Case	Bronze	ASTM B144-3B (SAE 660)
Impeller	Bronze	ASTM B584 UNS C83600
Pump Shaft	Stainless Steel	ASTM AISI 416
Impeller Collets	Steel	AISI 1226
Suction Bracket	Cast Iron	ASTM A48 Class 30
Bowl Bearing	Bronze	ASTM B505 C93200
Sand Cap	Bronze	ASTM B144-3B (SAE 660)
Strainer	Stainless Steel	AISI 302 UNS S30200
Cable Guard	Stainless Steel	AISI 302 UNS S30200
Shaft Coupling	Stainless Steel	AISI 416 UNS S41600
Wear Ring, Bowl	Bronze	ASTM B505 C93200

Note: Efficiency based on average staging

PENTAIR

BERKELEY® 10T-1200
Submersible Turbine





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
50	1	8"	26.19	38.80	7.69	350	163
60	1	8"	26.19	41.80	7.69	385	163
75	1	8"	21.19	54.90	7.69	424	163
100	2	8"	33.63	58.90	7.69	463	232
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

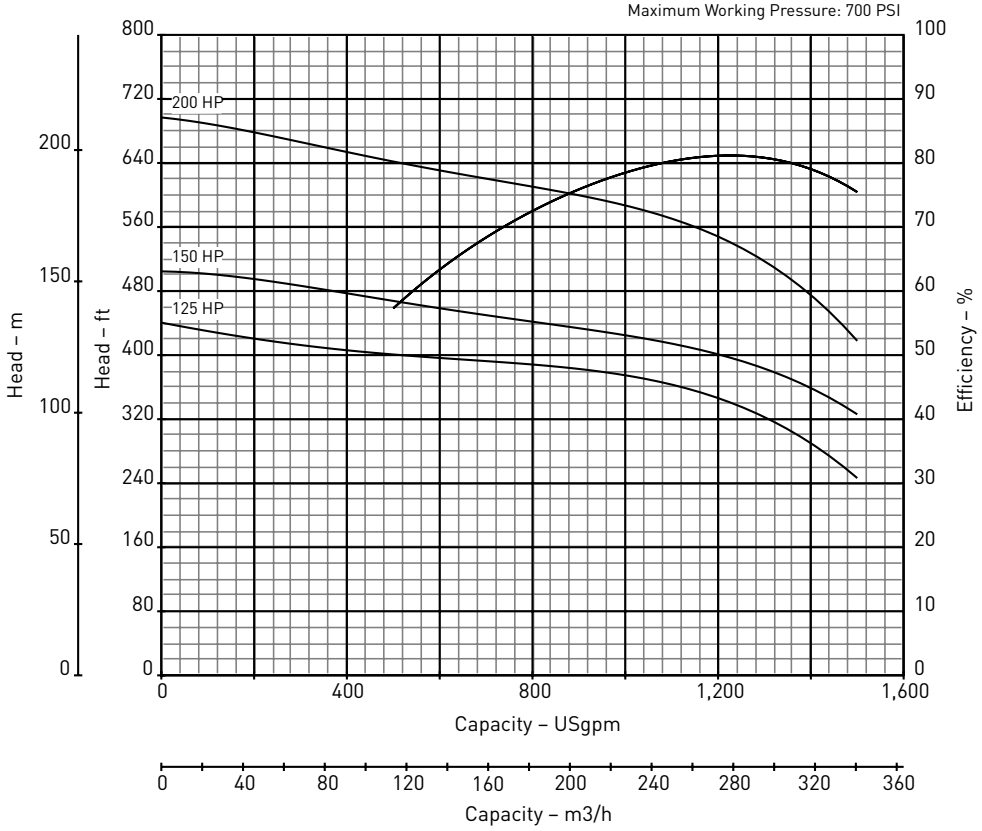
Specifications

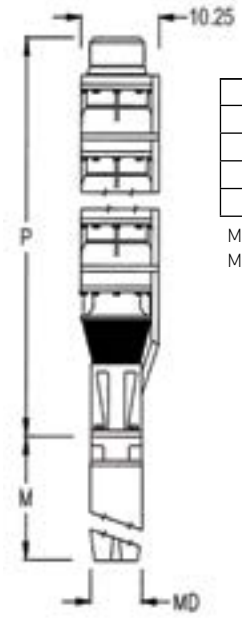
Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	20.0 Feet
Capacity Range	330 - 1400 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

BERKELEY® 10T-1200
Submersible Turbine

Nominal RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 700 PSI





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
125	2	8"	33.63	68.80	7.69	700	232
150	2	8"	33.63	77.80	7.69	850	232
200	3	8"	41.06	94.80	7.69	1050	302
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

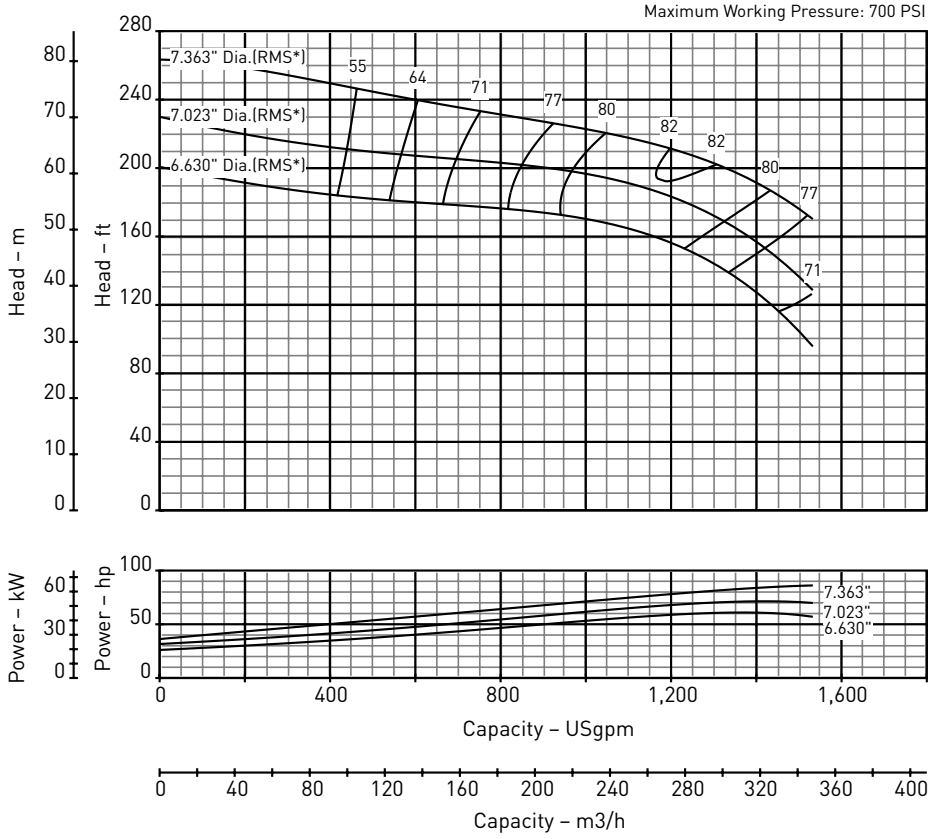
Specifications

Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	20.0 Feet
Capacity Range	330 - 1400 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

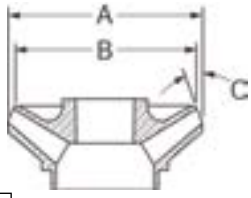
BERKELEY® 10T-1200
Submersible Turbine - Single Stage Performance

Normalized RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 700 PSI



Impeller Dimensions

RMS* Diameter	A Diameter	B Diameter	C Angle
7.363	7.690	7.020	20.5
7.023	7.320	6.712	20.5
6.630	6.940	6.304	20.5
*Root-Mean-Square			



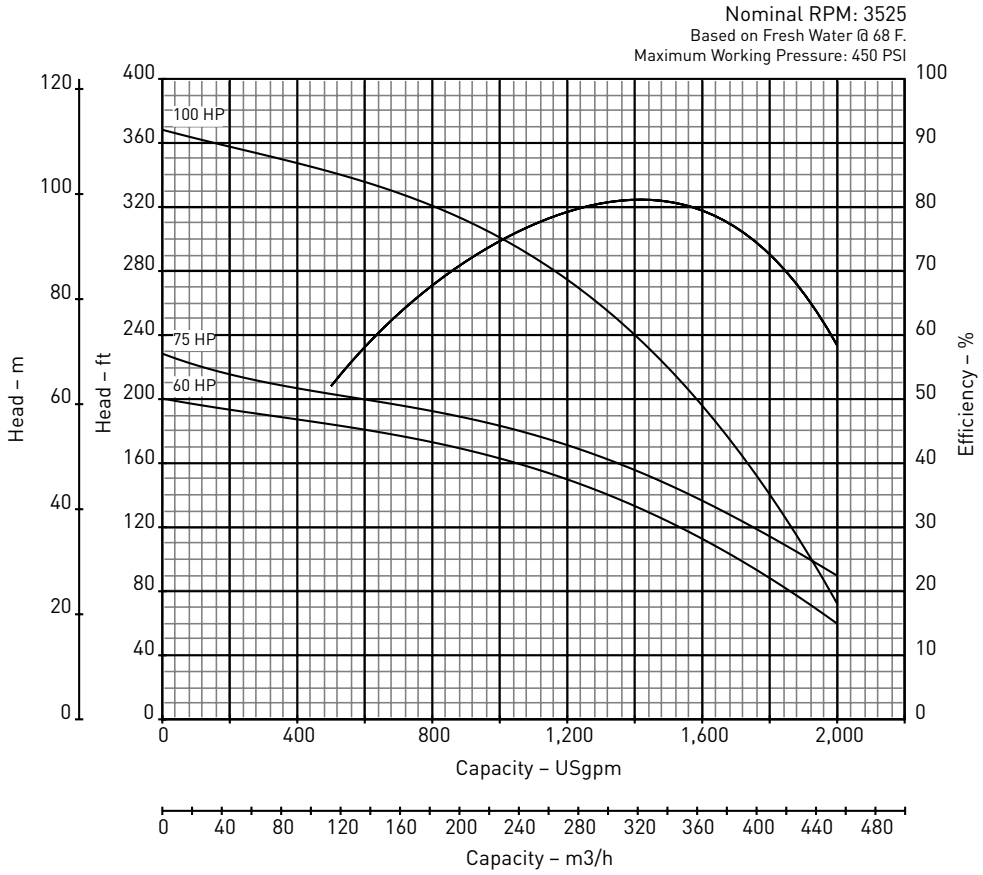
Materials of Construction

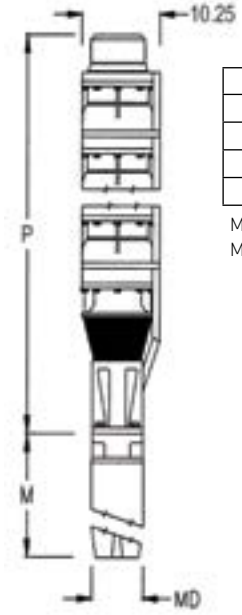
Part Name	Common Material Name	Material Spec Number
Discharge Adapter	Cast Iron	ASTM A48 Class 30
Top Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Intermediate Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Bearings, Top and Suction Case	Bronze	ASTM B144-3B (SAE 660)
Impeller	Bronze	ASTM B584 UNS C83600
Pump Shaft	Stainless Steel	ASTM AISI 416
Impeller Collets	Steel	AISI 1226
Suction Bracket	Cast Iron	ASTM A48 Class 30
Bowl Bearing	Bronze	ASTM B505 C93200
Sand Cap	Bronze	ASTM B144-3B (SAE 660)
Strainer	Stainless Steel	AISI 302 UNS S30200
Cable Guard	Stainless Steel	AISI 302 UNS S30200
Shaft Coupling	Stainless Steel	AISI 416 UNS S41600
Wear Ring, Bowl	Bronze	ASTM B505 C93200

Note: Efficiency based on average staging

PENTAIR

BERKELEY® 10T-1600
Submersible Turbine





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
60	1	8"	26.88	41.80	7.69	385	168
75	1	8"	26.88	54.90	7.69	424	168
100	2	8"	34.75	58.90	7.69	463	240
Note: Dimensions=Inches; Weight=U.S. Lbs.							

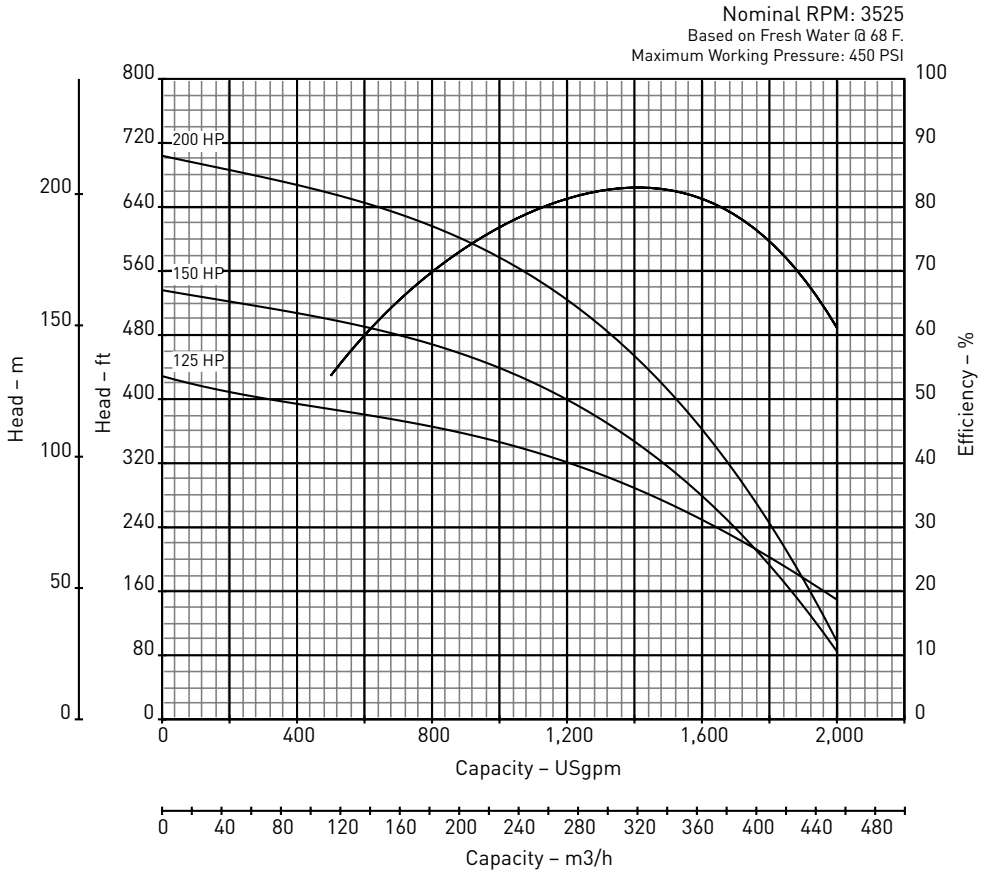
M*-Maximum Length
MD*-Motor Diameter

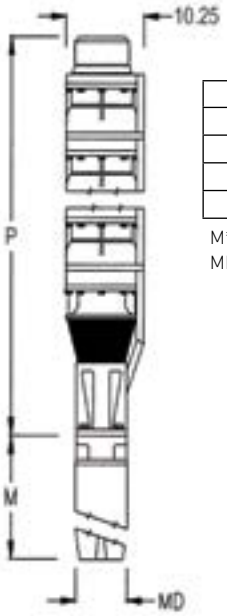
Specifications

Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	20.0 Feet
Capacity Range	400 - 1800 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

BERKELEY® 10T-1600
Submersible Turbine





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
125	2	8"	34.75	68.80	7.69	700	240
150	3	8"	42.63	77.80	7.69	850	312
200	4	8"	50.50	94.80	7.69	1050	384
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

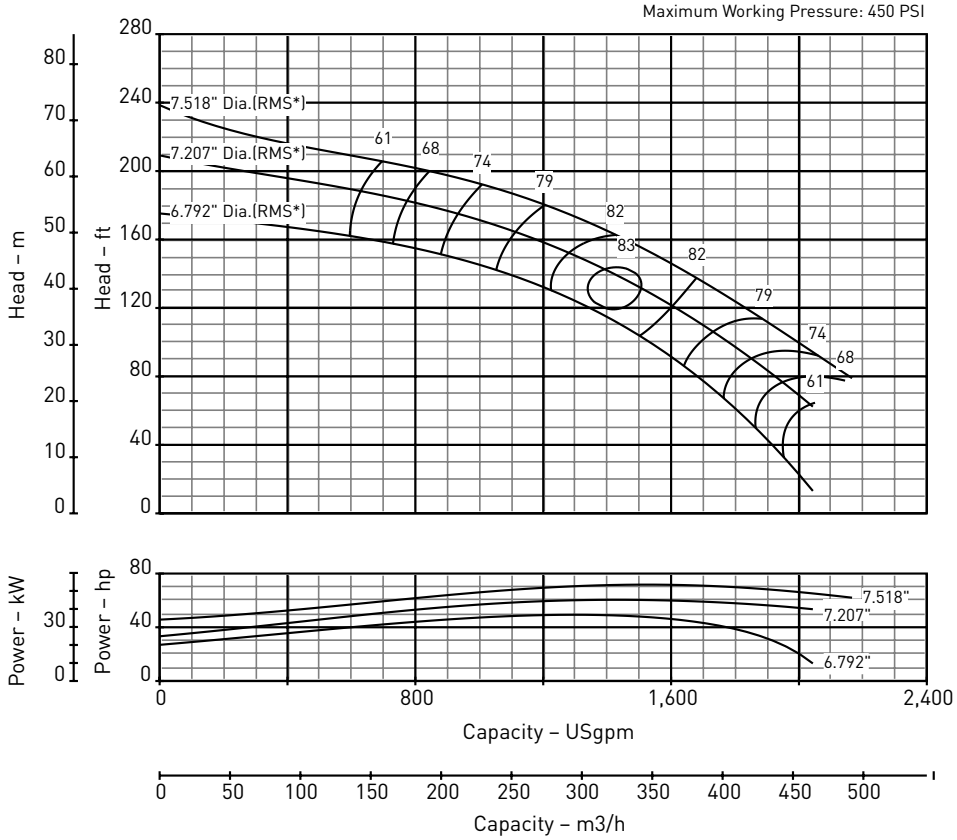
Specifications

Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	20.0 Feet
Capacity Range	400 - 1800 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

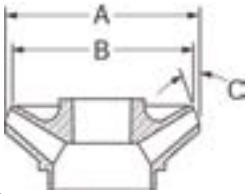
BERKELEY® 10T-1600
Submersible Turbine - Single Stage Performance

Normalized RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 450 PSI



Impeller Dimensions

RMS* Diameter	A Diameter	B Diameter	C Angle
7.518	7.960	7.049	28
7.207	7.660	6.724	28
6.792	7.260	6.290	28
*Root-Mean-Square			



Materials of Construction

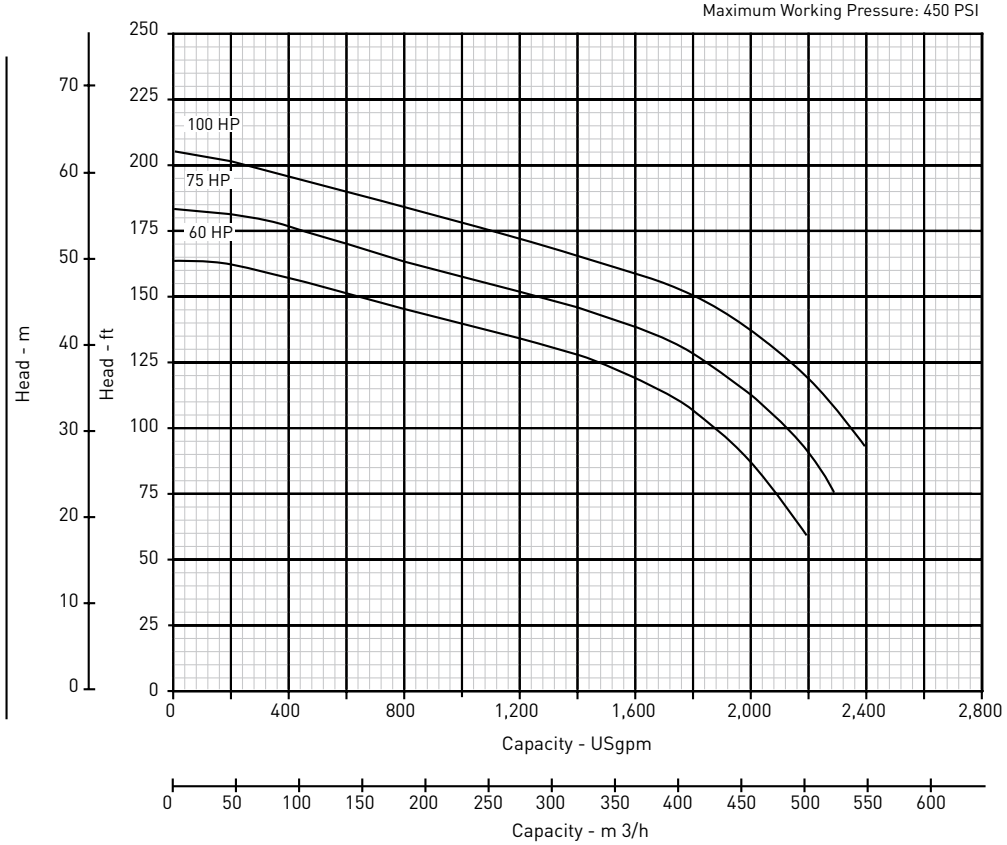
Part Name	Common Material Name	Material Spec Number
Discharge Adapter	Cast Iron	ASTM A48 Class 30
Top Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Intermediate Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Bearings, Top and Suction Case	Bronze	ASTM B144-3B (SAE 660)
Impeller	Bronze	ASTM B584 UNS C83600
Pump Shaft	Stainless Steel	ASTM AISI 416
Impeller Collets	Steel	AISI 1226
Suction Bracket	Cast Iron	ASTM A48 Class 30
Bowl Bearing	Bronze	ASTM B505 C93200
Sand Cap	Bronze	ASTM B144-3B (SAE 660)
Strainer	Stainless Steel	AISI 302 UNS S30200
Cable Guard	Stainless Steel	AISI 302 UNS S30200
Shaft Coupling	Stainless Steel	AISI 416 UNS S41600
Wear Ring, Bowl	Bronze	ASTM B505 C93200

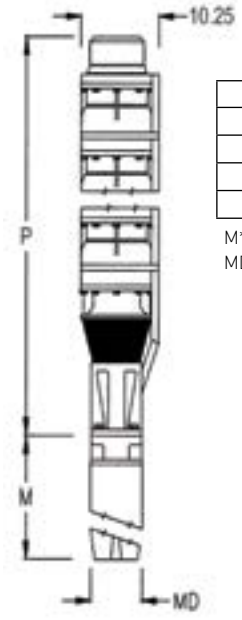
Note: Efficiency based on average staging

PENTAIR

BERKELEY® 10T-1900
Submersible Turbine

Nominal RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 450 PSI





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
60	1	8"	26.88	41.80	7.69	385	168
75	1	8"	26.88	54.90	7.69	424	168
100	1	8"	26.88	58.90	7.69	463	168
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

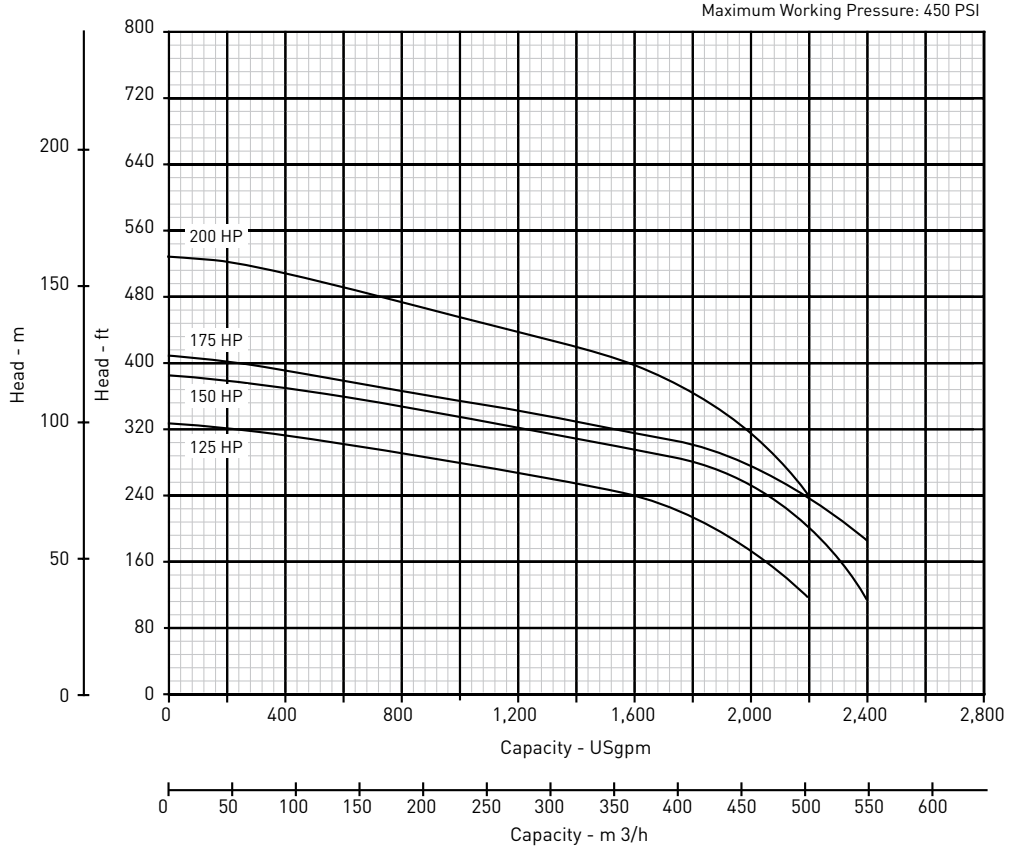
Specifications

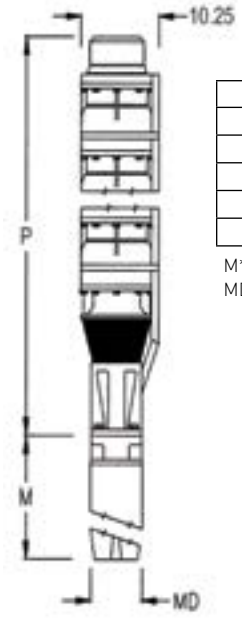
Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	20.0 Feet
Capacity Range	400 - 2400 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

BERKELEY® 10T-1900
Submersible Turbine - Single Stage Performance

Nominal RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 450 PSI





Outline Dimensions / Weights

HP	Stages	Motor Size	P Length	M* Length	MD* Diameter	Motor Weight	Pump Weight
125	2	8"	34.75	68.80	7.69	700	240
150	2	8"	34.75	77.80	7.69	850	240
175	2	8"	34.75	85.80	7.69	925	240
200	3	8"	42.63	94.80	7.69	1050	312
Note: Dimensions=Inches; Weight=U.S. Lbs.							

M*-Maximum Length
MD*-Motor Diameter

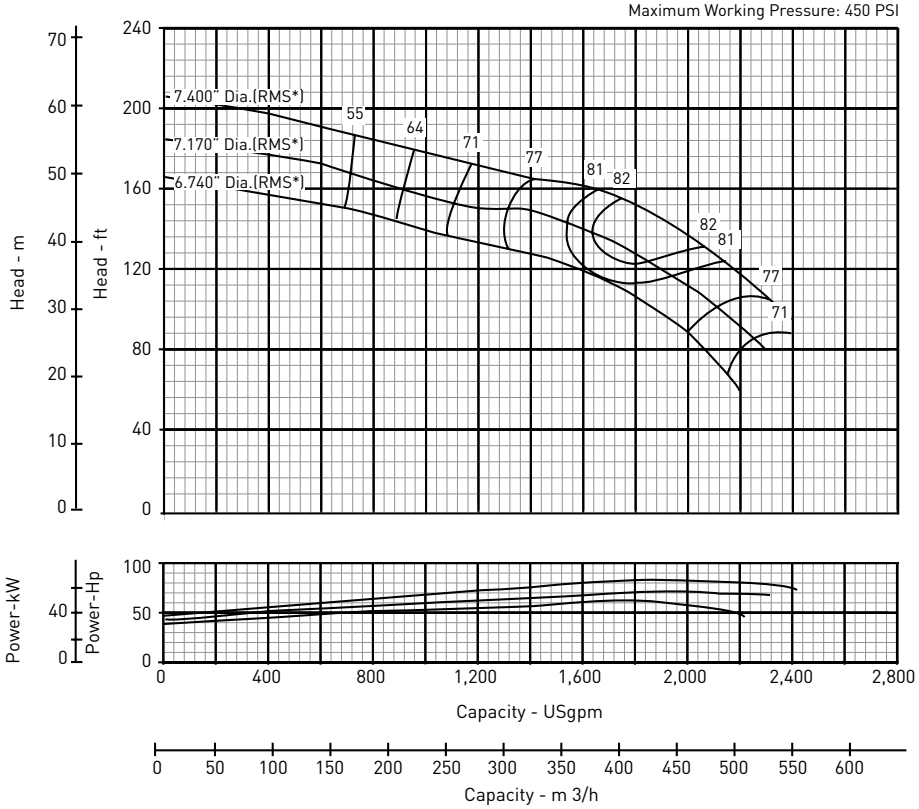
Specifications

Minimum Well I.D.	12.0 Inches
Minimum Submergence @ BEP (above inlet)	20.0 Feet
Capacity Range	400 - 2400 GPM
Discharge	8" F NPT
See manufacturer's data for motor cooling requirements	

PENTAIR

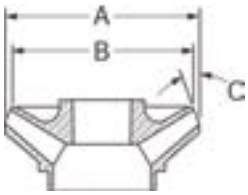
BERKELEY® 10T-1900
Submersible Turbine - Single Stage Performance

Normalized RPM: 3525
Based on Fresh Water @ 68 F.
Maximum Working Pressure: 450 PSI



Impeller Dimensions

RMS* Diameter	A Diameter	B Diameter	C Angle
7.400	7.960	6.800	23.5
7.170	7.600	6.710	23.5
6.740	7.220	6.220	23.5
*Root-Mean-Square			



Materials of Construction

Part Name	Common Material Name	Material Spec Number
Discharge Adapter	Cast Iron	ASTM A48 Class 30
Top Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Intermediate Bowl	Cast Iron, Ceramic Lined	ASTM A48 Class 30
Bearings, Top and Suction Case	Bronze	ASTM B144-3B (SAE 660)
Impeller	Bronze	ASTM B584 UNS C83600
Pump Shaft	Stainless Steel	ASTM AISI 416
Impeller Collets	Steel	AISI 1226
Suction Bracket	Cast Iron	ASTM A48 Class 30
Bowl Bearing	Bronze	ASTM B505 C93200
Sand Cap	Bronze	ASTM B144-3B (SAE 660)
Strainer	Stainless Steel	AISI 302 UNS S30200
Cable Guard	Stainless Steel	AISI 302 UNS S30200
Shaft Coupling	Stainless Steel	AISI 416 UNS S41600
Wear Ring, Bowl	Bronze	ASTM B505 C93200

Note: Efficiency based on average staging

PENTAIR

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