

5" – 10" Texas Submersible Turbine Pumps

For 6" and larger wells



SPECIFICATIONS

Model	Operating Range GPM	Best Efficiency Range	Horsepower Range	Discharge Connections	Minimum Well Size
05WALC	15 – 80	50	5 – 20	3", 4"	6"
05WAHC	20 – 100	70	5 – 25	3", 4"	6"
05CLC	50 – 180	110	5 – 30	3", 4"	6"
05CHC	70 – 220	150	5 – 50	3", 4"	6"
05TLC	75 – 220	170	5 – 40	3", 4"	6"
05THC	150 – 300	240	5 – 60	3", 4"	6"
06CLC	100 – 200	160	5 – 40	3", 4"	8"
06CHC	150 – 300	225	5 – 50	3", 4"	8"
06DLC	200 – 450	350	5 – 30	3", 4"	8"
06DHC	300 – 550	425	5 – 30	3", 4"	8"
07WALC	150 – 300	250	7½ – 60	4", 5", 6"	8"
07WAHC	200 – 350	275	10 – 75	4", 5", 6"	8"
07CLC	250 – 460	350	10 – 100	4", 5", 6"	8"
07CHC	300 – 600	450	15 – 100	4", 5", 6"	8"
07TLC	300 – 650	500	10 – 100	4", 5", 6"	8"
07THC	400 – 800	700	15 – 100	4", 5", 6"	8"
09WALC	250 – 550	400	15 – 100	5", 6", 8"	10"
09WAHC	300 – 600	425	20 – 150	5", 6", 8"	10"
09RCLC	400 – 1200	900	40 – 150	5", 6", 8"	10"
09RCHC	500 – 1400	1000	60 – 150	5", 6", 8"	10"
09TLC	750 – 1700	1250	40 – 150	5", 6", 8"	10"
09THC	800 – 2000	1600	60 – 150	5", 6", 8"	10"
10JLC	700 – 1250	1000	30 – 150	6", 8"	12"

FEATURES

- **Discharge Bowl:** Several discharge sizes available for NPT.
- **Discharge Bearing:** Extra long sealed top bronze bearing insures positive shaft alignment and stabilization for extended life.
- **Intermediate Bowl:** Close grained class 30 cast iron. Nonmetallic coatings on 7" and larger pumps for maximum efficiency and abrasion resistance.
- **Impellers:** Unleaded silicon brass impellers are made of ASTM B584 C87500. Designed for maximum efficiency with wide range hydraulic coverage.

- **Upthrust Collar:** Designed for extra margin of safety against possible momentary upthrust occurring at start-up.
- **Intermediate Bowl Bearings:** Reliable long life rubber bearings (optional bronze available).
- **Taperlocks:** Accurately machined to insure positive locking of impeller to pump shaft.

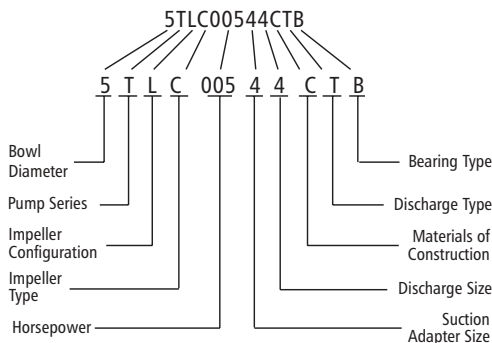
- **Suction Inlet:** Contoured for smooth flow entrance. Protected by an oversized stainless steel strainer to prevent entrance of damaging solids.
- **Suction Adapter:** Ductile iron for increased strength and positive motor alignment. Open area permits easy access to pump/motor coupling.
- **Pump and Motor Coupling:** Large stainless steel coupling accurately matched for perfect alignment, balance and power transmission.
- **Pump Shaft:** 100,000 PSI high tensile stainless steel provides strength and excellent corrosion resistance. Ground and polished for smooth bearing surface.

can be operated continuously without fear of damage to the motor.

- **Franklin Electric Motor:**
 - Corrosion-resistant construction.
 - Stainless steel splined shaft.
 - Hermetically sealed windings.
 - Anti-track self-healing resin system.
 - Water lubrication.
 - Filter check valve.
 - Kingsbury-type thrust bearing.
 - Pressure equalizing diaphragm.
 - Sand fighter slinger.
 - Removable water-bloc lead connector.
 - UL 778 recognized.

Goolds Pumps is ISO 9001 Registered.

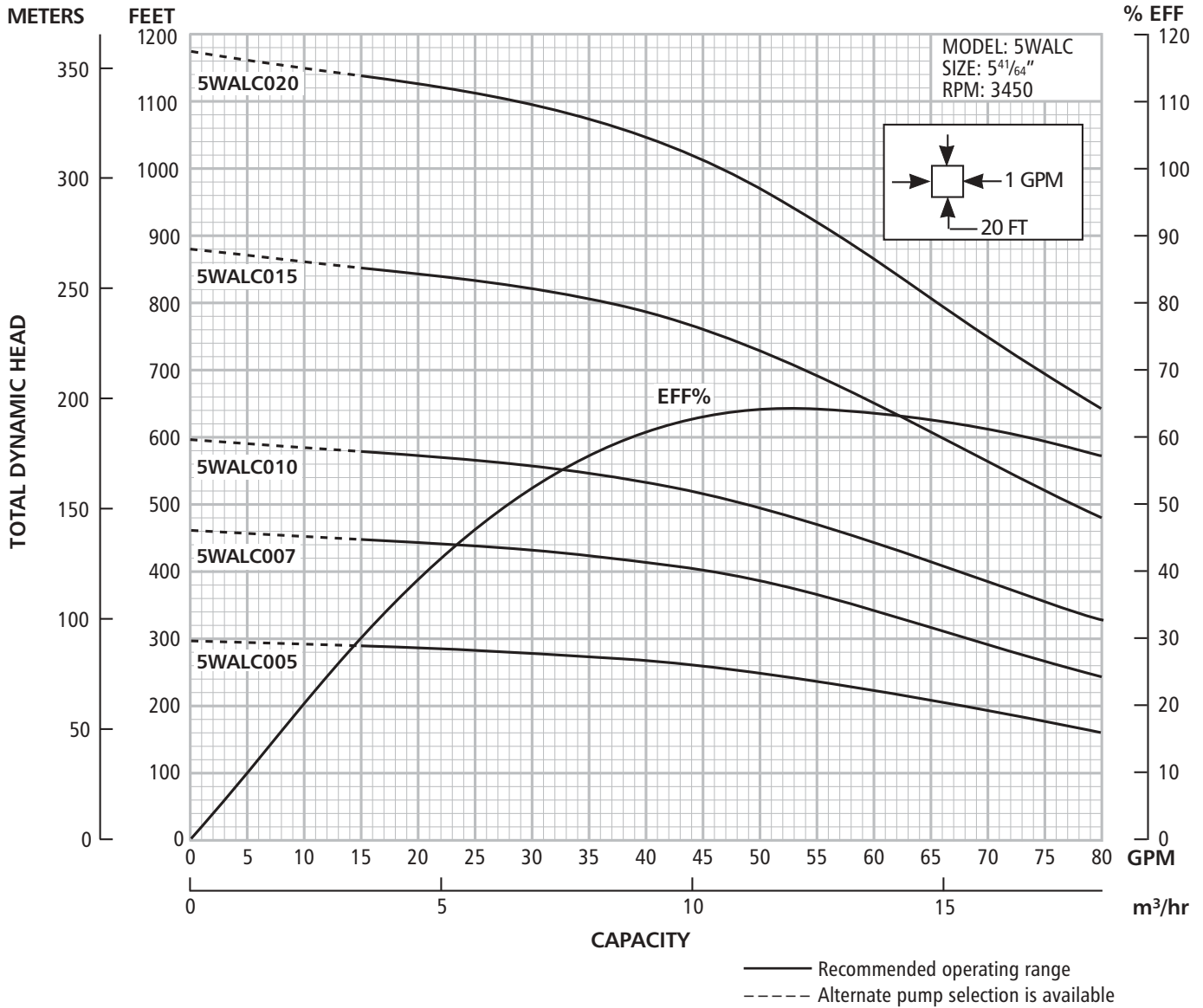
ORDER NUMBER CODE



- **Powered for Continuous Operation:** All ratings are within the working limits of the motor manufacturer. Pump

Goolds Pumps





DIMENSIONS AND WEIGHTS

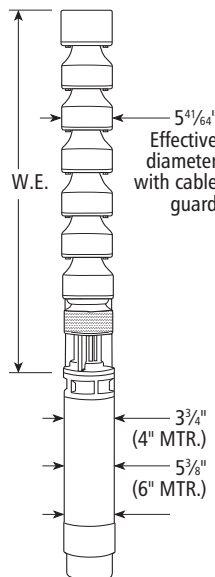
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	5	05WALC00544CTB	29.3	89
		05WALC00564CTB	31.4	97
7.5	8	05WALC00744CTB	41.3	125
		05WALC00764CTB	43.4	133
10	10	05WALC01064CTB	51.4	157
15	15	05WALC01564CTB	71.4	217
20	20	05WALC02064CTB	91.4	277

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

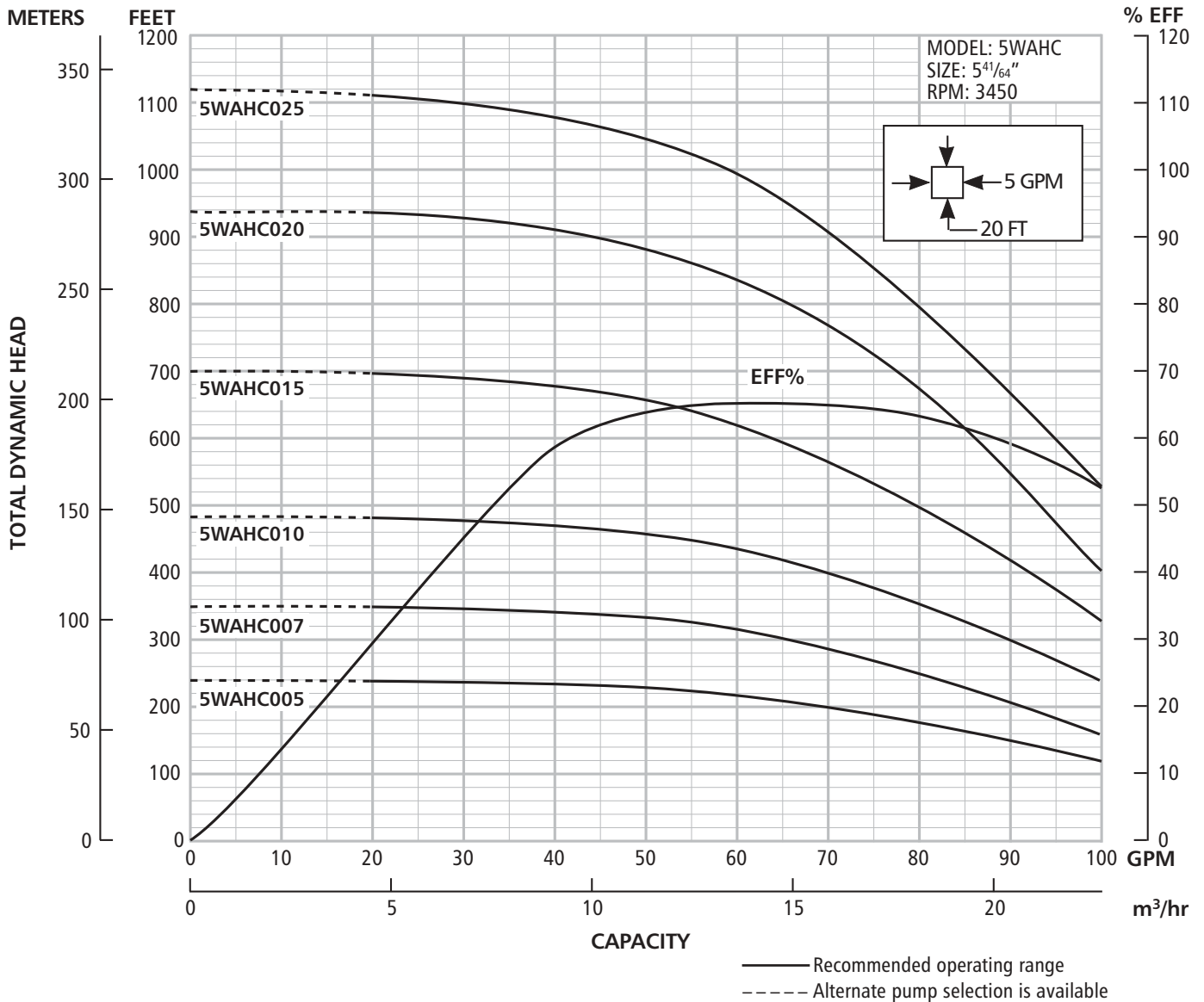
- Order motors separately.
- For intermediate horsepower pumps consult factory.
- Solid line is recommended operating range. The dotted line (---) signifies an alternate pump selection is available.
- Please specify all options changes in W.E. order number.

4" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



DIMENSIONS AND WEIGHTS

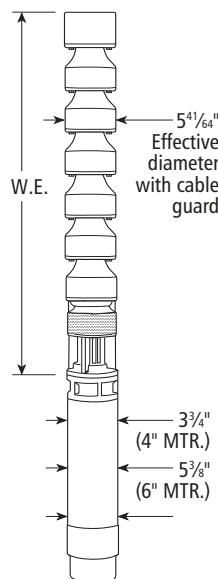
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	4	05WAHC00544CTB	25.3	77
		05WAHC00564CTB	27.4	85
7.5	6	05WAHC00744CTB	33.3	101
		05WAHC00764CTB	35.4	109
10	8	05WAHC01064CTB	43.4	133
15	12	05WAHC01564CTB	59.4	181
20	16	05WAHC02064CTB	75.4	229
25	19	05WAHC02564CTB	87.4	265

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

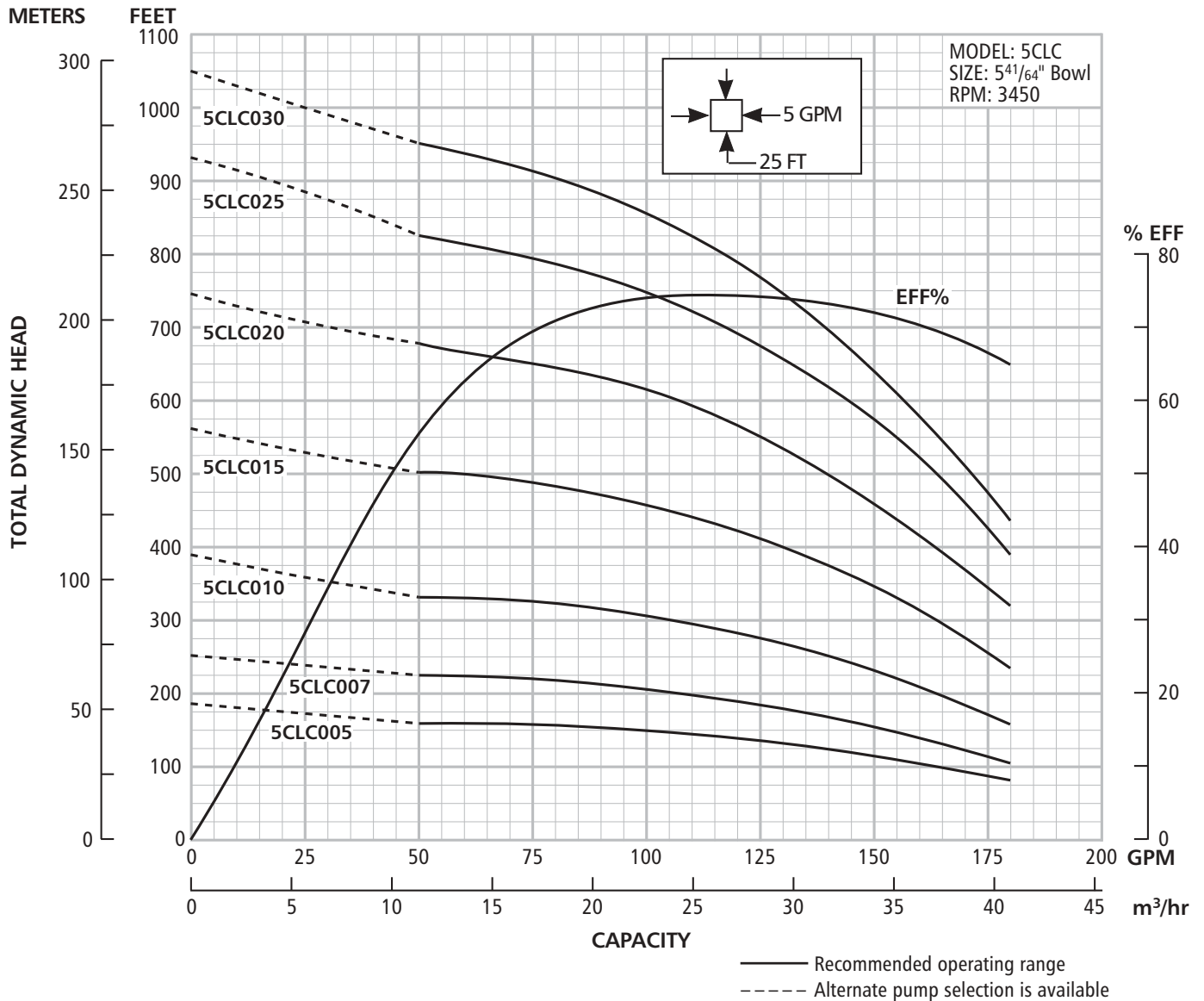
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4" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



DIMENSIONS AND WEIGHTS

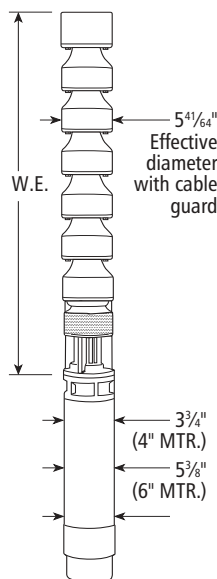
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	3	05CLC00544CTB	25.2	70
		05CLC00564CTB	27.5	75
7.5	4	05CLC00744CTB	29.8	83
		05CLC00764CTB	32.1	88
10	6	05CLC01064CTB	41.4	114
15	9	05CLC01564CTB	55.3	153
20	12	05CLC02064CTB	69.2	192
25	15	05CLC02564CTB	83.1	231
30	17	05CLC03064CTB	92.3	257

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

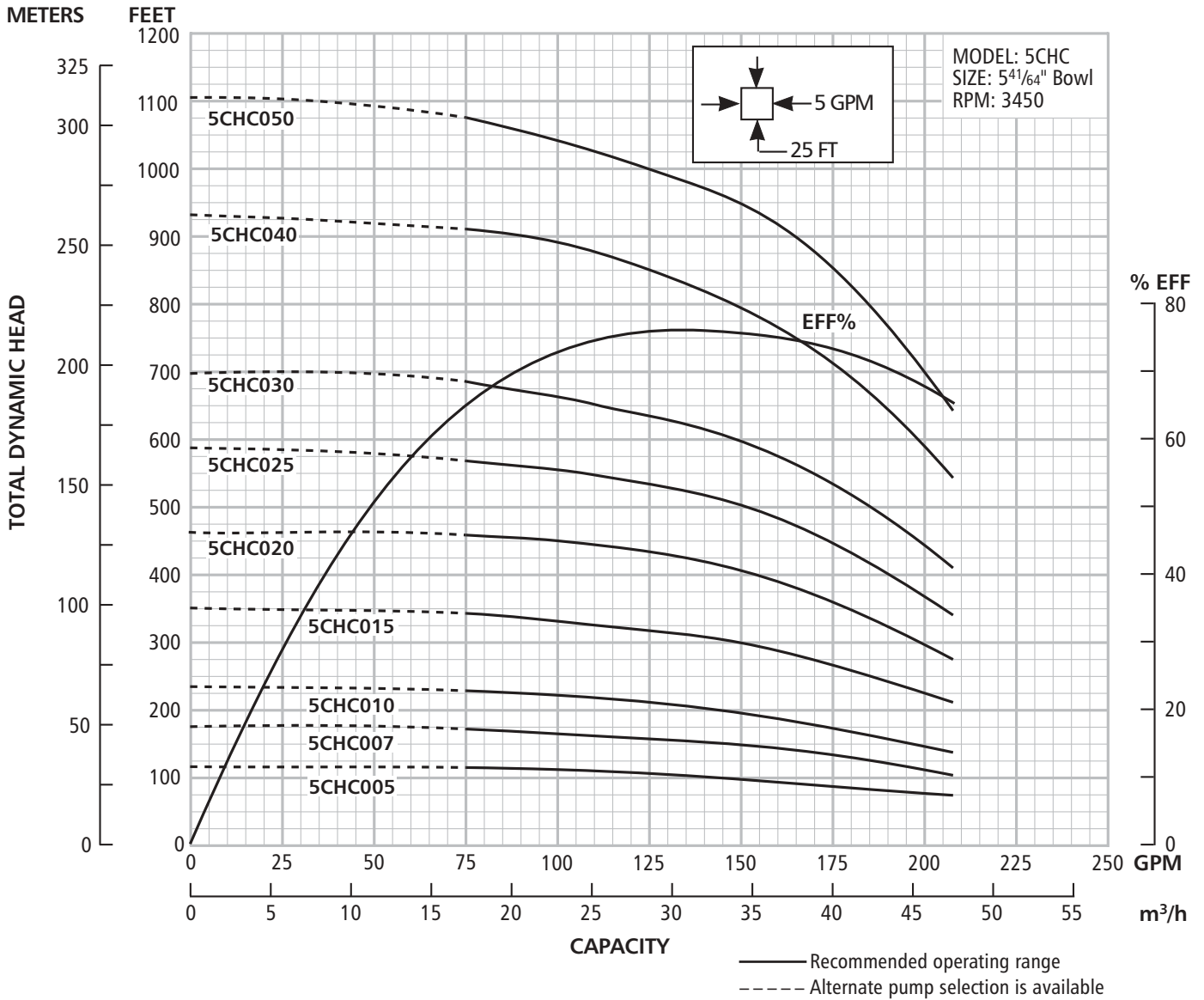
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- Solid line is recommended operating range. The dotted line (---) signifies an alternate pump selection is available.
- Please specify all options changes in W.E. order number.

4" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



DIMENSIONS AND WEIGHTS

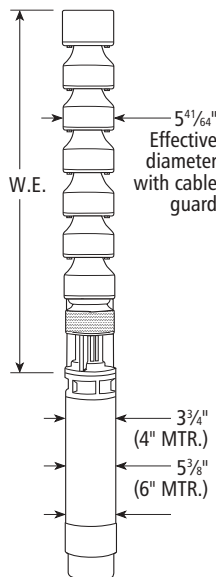
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	2	05CHC00544CTB	20.2	57
		05CHC00564CTB	22.8	62
7.5	3	05CHC00744CTB	25.2	70
		05CHC00764CTB	27.5	75
10	4	05CHC01064CTB	32.1	88
15	6	05CHC01564CTB	41.4	114
20	8	05CHC02064CTB	50.7	140
25	10	05CHC02564CTB	59.9	166
30	12	05CHC03064CTB	69.2	192
40	16	05CHC04064CTB	87.7	244
50	19	05CHC05064CTB	101.6	283

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

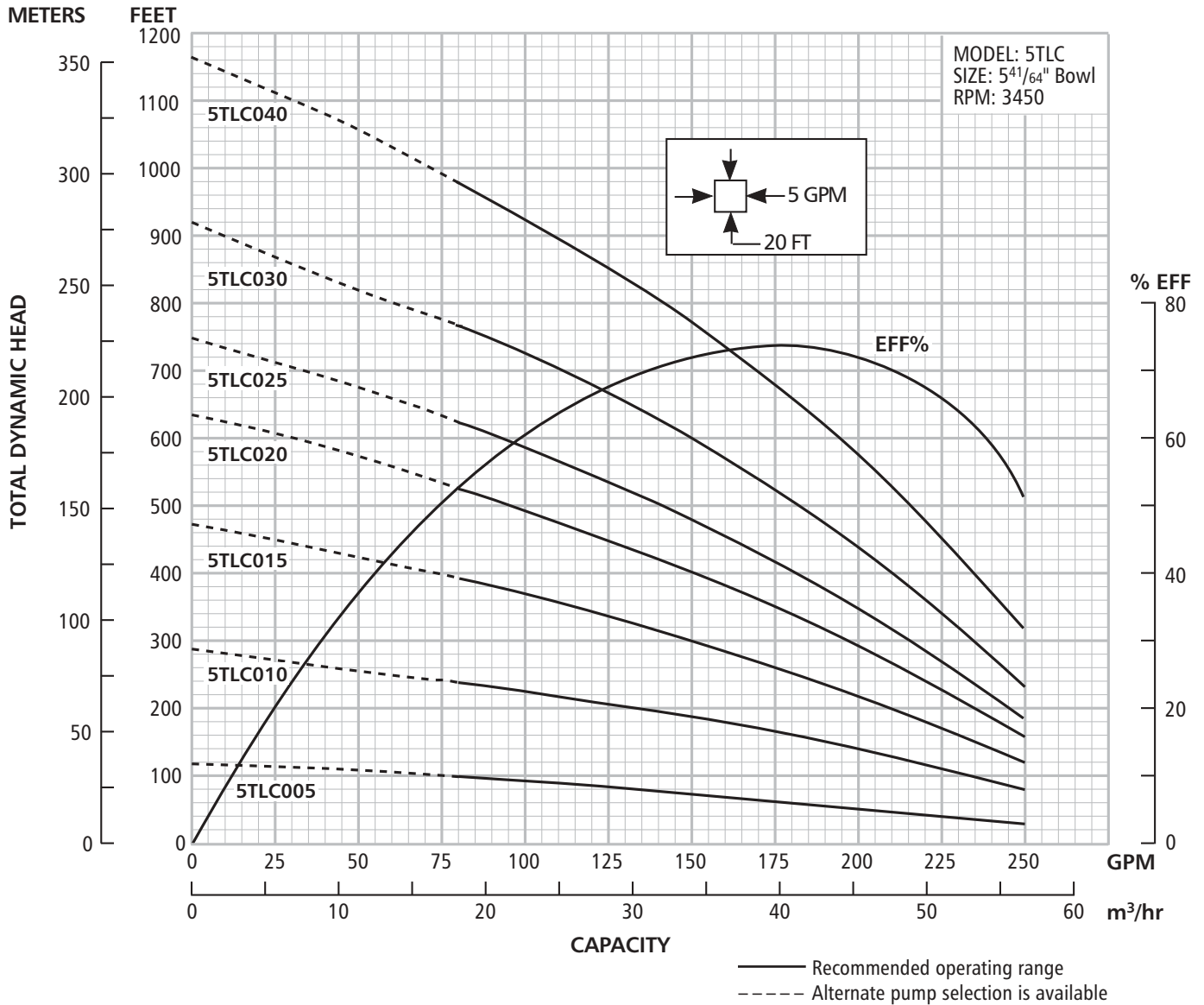
- Order motors separately.
- For intermediate horsepower pumps consult factory.
- Solid line is recommended operating range. The dotted line (---) signifies an alternate pump selection is available.
- Please specify all options changes in W.E. order number.

4" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



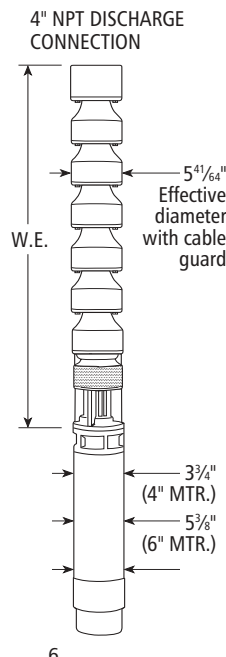
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	2	05TLC00544CTB	20.9	57
		05TLC00564CTB	23.3	62
10	5	05TLC01064CTB	37.6	101
15	8	05TLC01564CTB	52.0	140
20	11	05TLC02064CTB	66.5	179
25	13	05TLC02564CTB	76.0	205
30	16	05TLC03064CTB	90.6	244
40	20	05TLC04064CTB	109.8	296

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

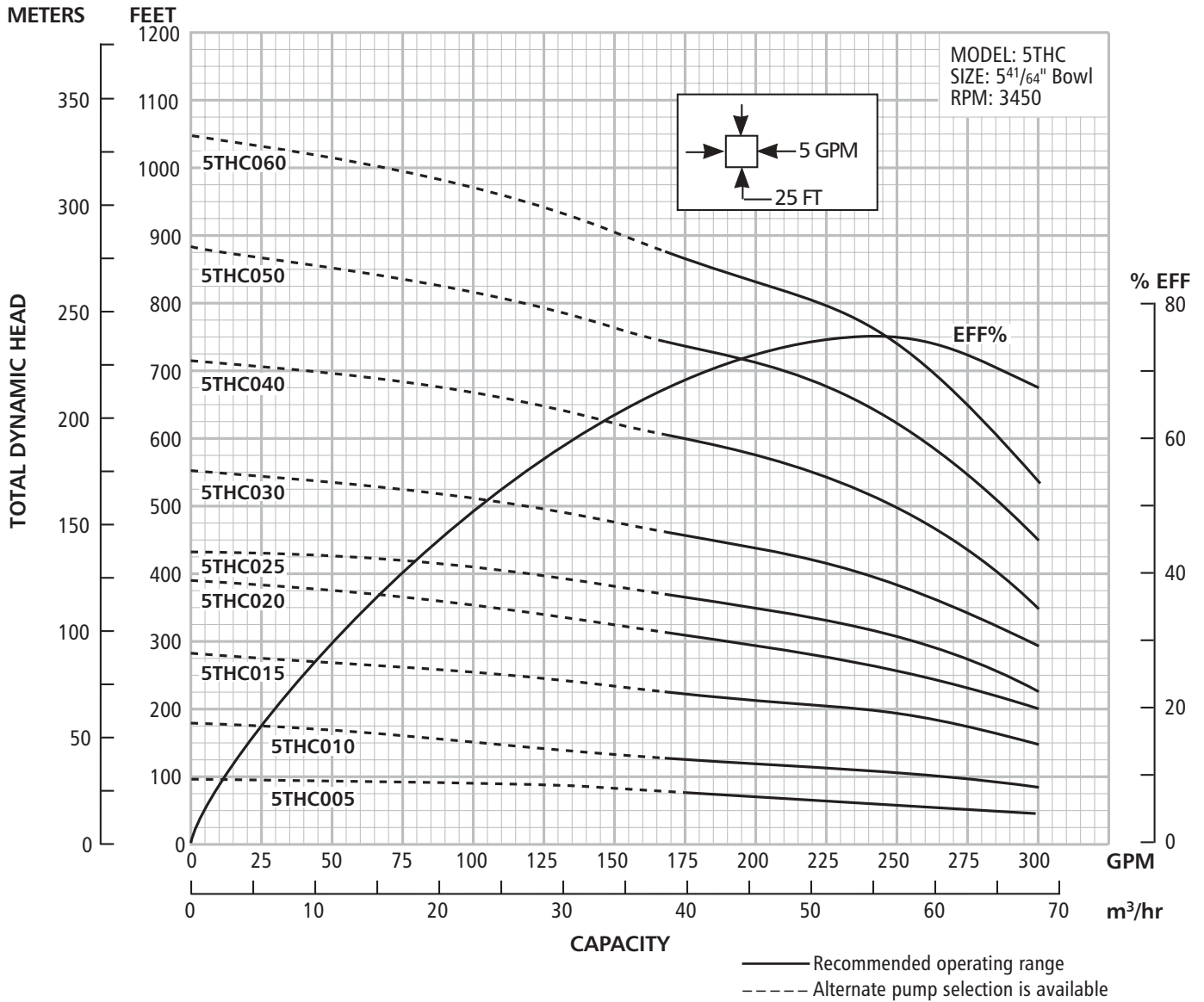
PLEASE NOTE:

- Order motors separately.
- For intermediate horsepower pumps consult factory.
- Solid line is recommended operating range. The dotted line (---) signifies an alternate pump selection is available.
- Please specify all options changes in W.E. order number.



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



DIMENSIONS AND WEIGHTS

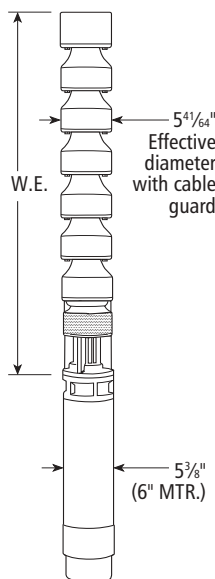
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	2	05THC00544CTB	20.9	60
		05THC00564CTB	23.3	62
10	3	05THC01064CTB	28.0	75
15	5	05THC01564CTB	37.6	101
20	7	05THC02064CTB	47.3	127
25	8	05THC02564CTB	52.0	153
30	10	05THC03064CTB	61.7	166
40	13	05THC04064CTB	76.0	218
50	16	05THC05064CTB	90.6	257
60	19	05THC06064CTB	105.0	296

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

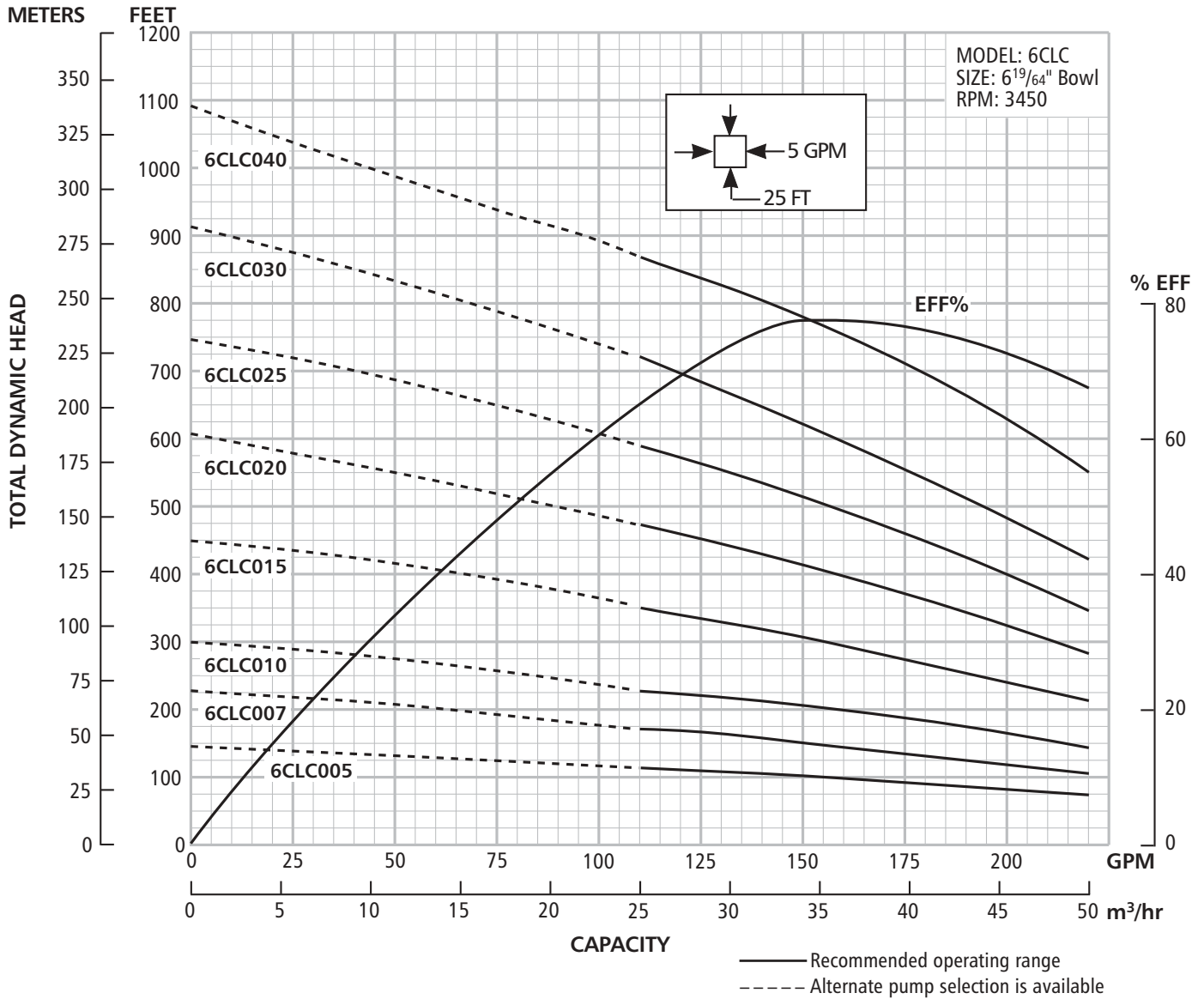
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- Please specify all options changes in W.E. order number.

4" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



DIMENSIONS AND WEIGHTS

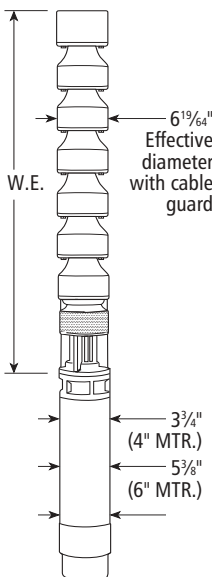
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	2	06CLC00544CTS	22.4	71
		06CLC00564CTS	24.6	72
7.5	3	06CLC00744CTS	27.5	88
		06CLC00764CTS	29.7	90
10	4	06CLC01064CTS	34.8	106
15	5	06CLC01564CTS	40.0	140
20	7	06CLC02064CTS	50.2	174
25	9	06CLC02564CTS	60.5	208
30	10	06CLC03064CTS	65.6	242
40	12	06CLC04064CTS	75.8	274

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

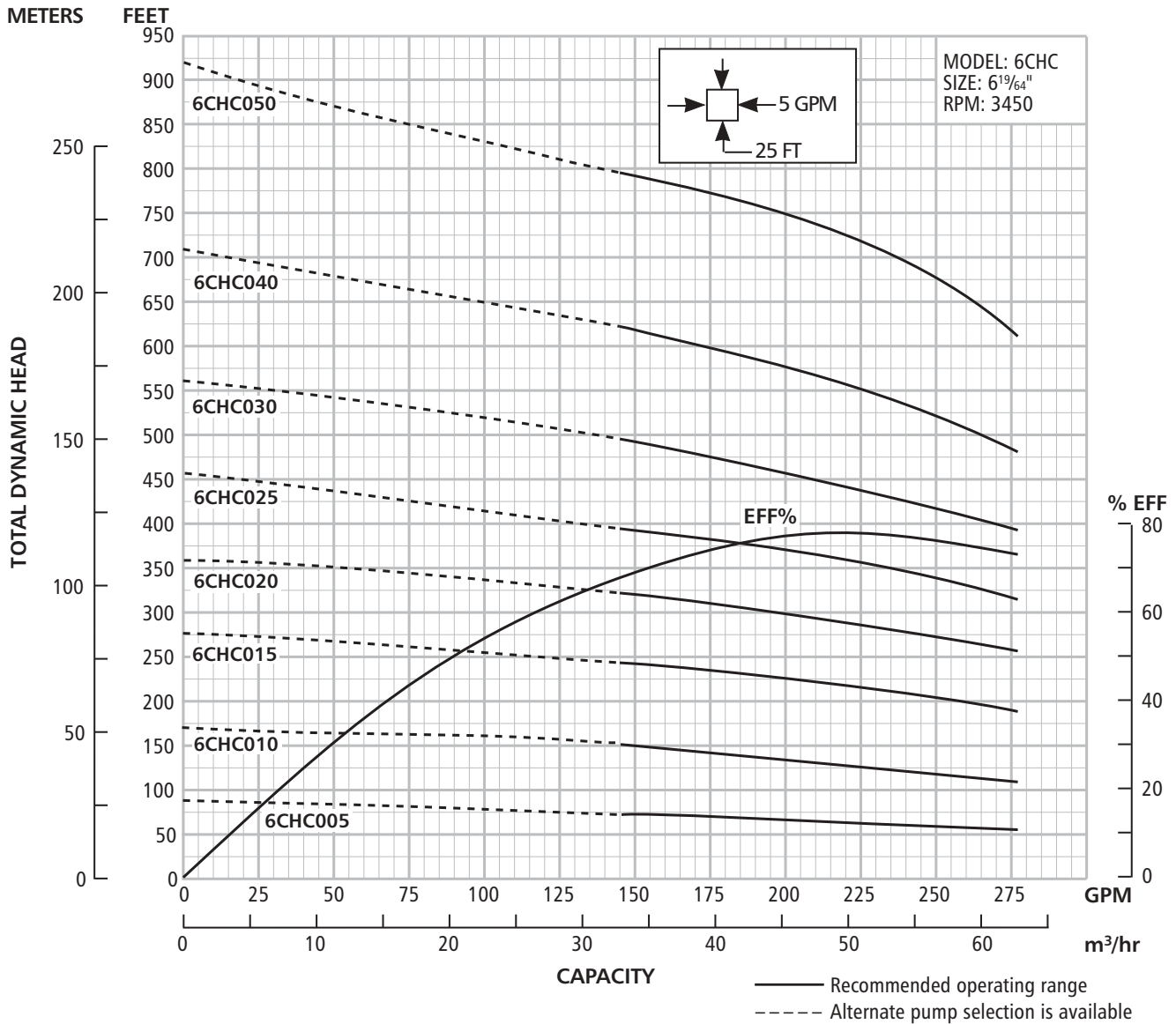
PLEASE NOTE:

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MATERIALS OF CONSTRUCTION



Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



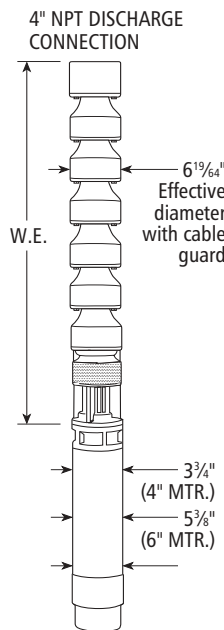
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	1	06CHC00544CTS	17.3	54
		06CHC00564CTS	19.4	55
10	2	06CHC01064CTS	24.6	72
15	3	06CHC01564CTS	29.7	89
20	4	06CHC02064CTS	34.8	106
25	5	06CHC02564CTS	40.0	123
30	6	06CHC03064CTS	45.0	140
40	8	06CHC04064CTS	55.4	174
50	10	06CHC05064CTS	65.6	208

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

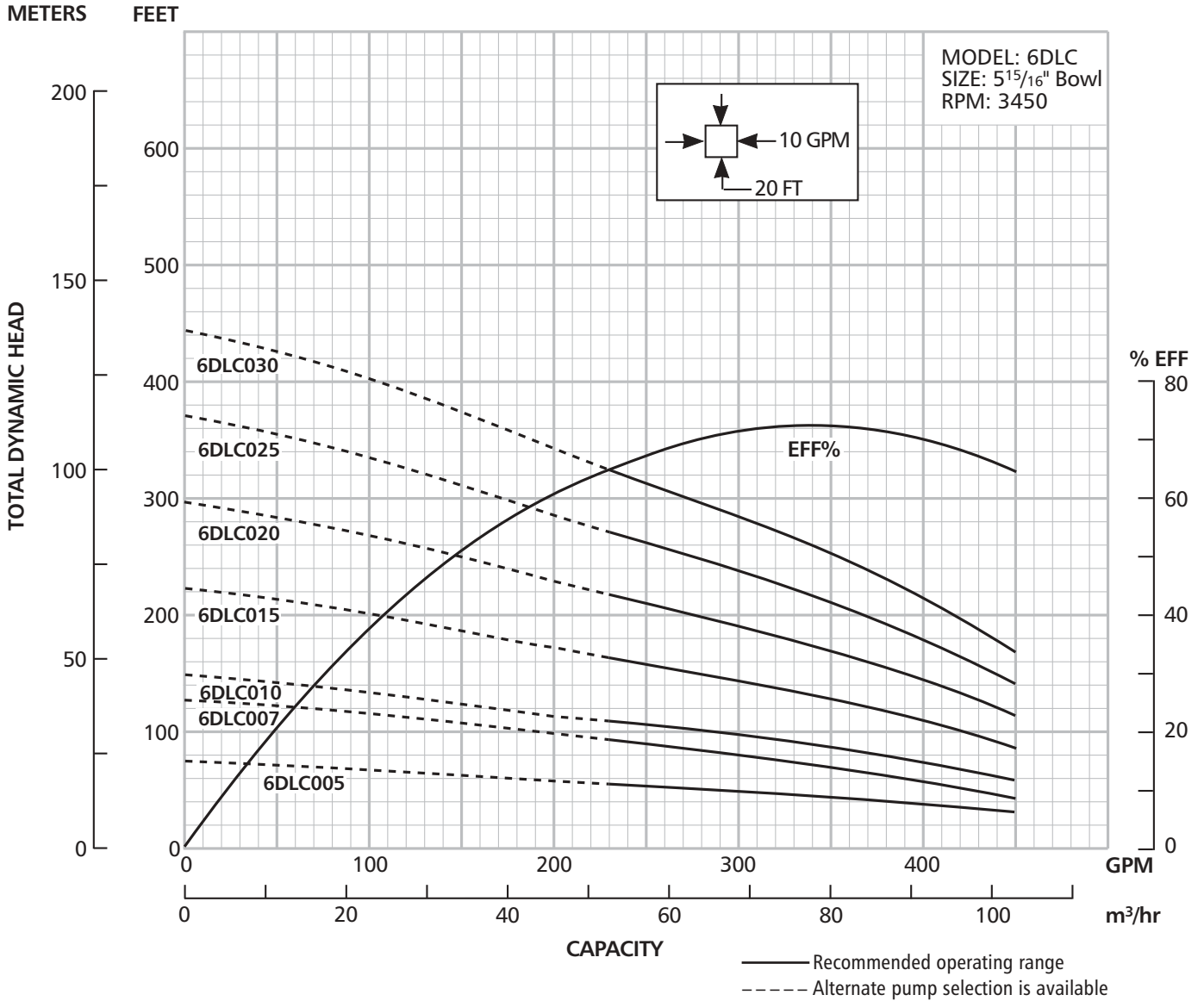
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MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



DIMENSIONS AND WEIGHTS

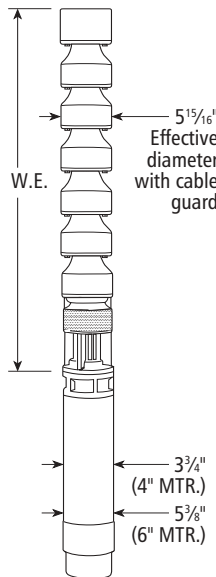
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	1	06DLC00544CTS	14.2	35
		06DLC00564CTS	19.0	55
7.5	2	06DLC00744CTS	19.7	51
		06DLC00764CTS	24.5	71
10	2	06DLC1064CTS	24.5	71
15	3	06DLC1564CTS	30.0	89
20	4	06DLC2064CTS	35.5	101
25	5	06DLC2564CTS	41.0	125
30	6	06DLC3064CTS	46.5	143

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

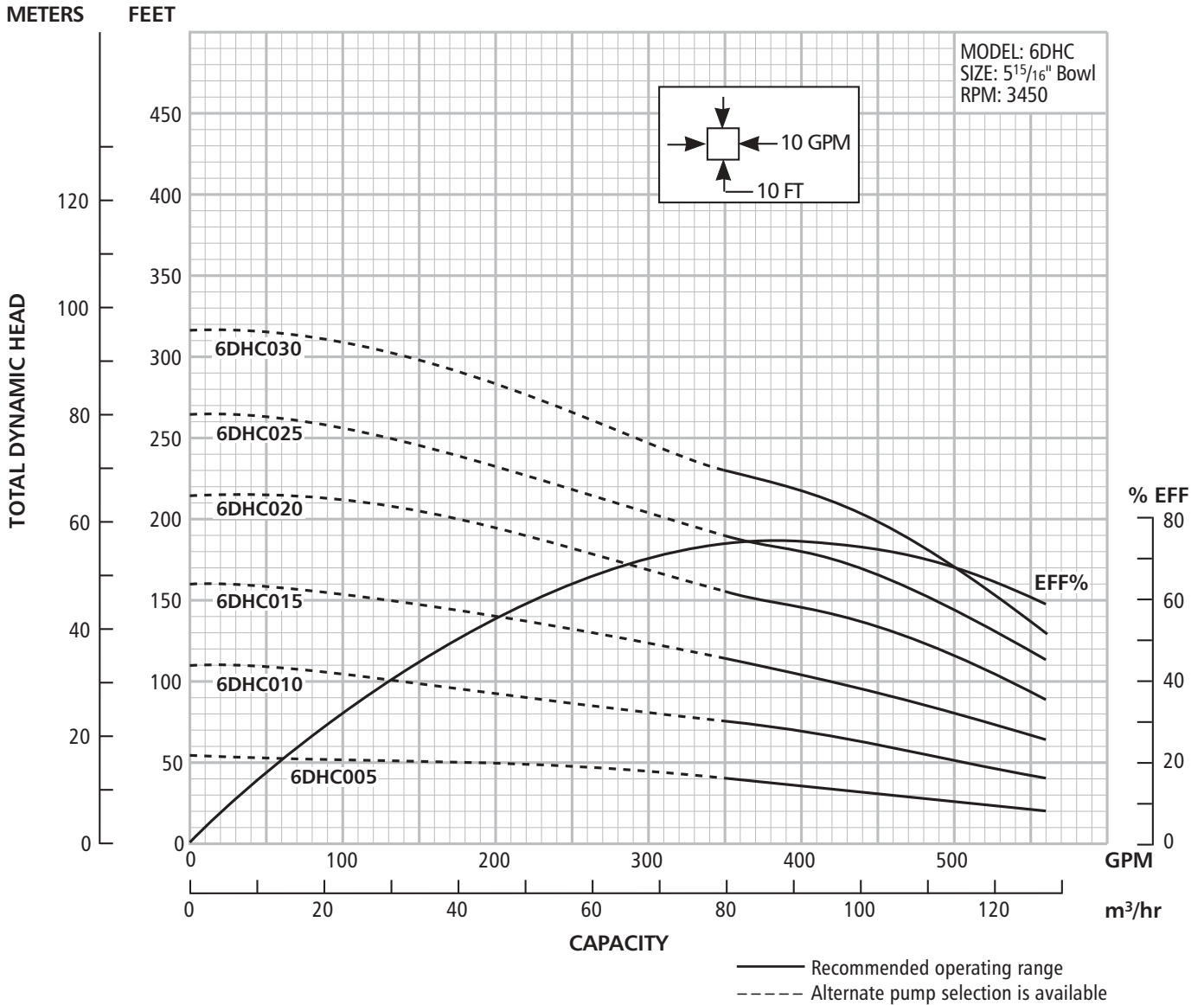
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4" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTMA536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



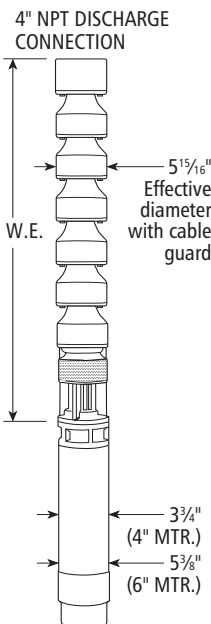
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
5	1	06DHC00544CTS	14.2	35
		06DHC00564CTS	19.0	55
10	2	06DHC01064CTS	24.5	71
15	3	06DHC01564CTS	30.0	89
20	4	06DHC02064CTS	35.5	101
25	5	06DHC02564CTS	41.0	125
30	6	06DHC03064CTS	46.5	143

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

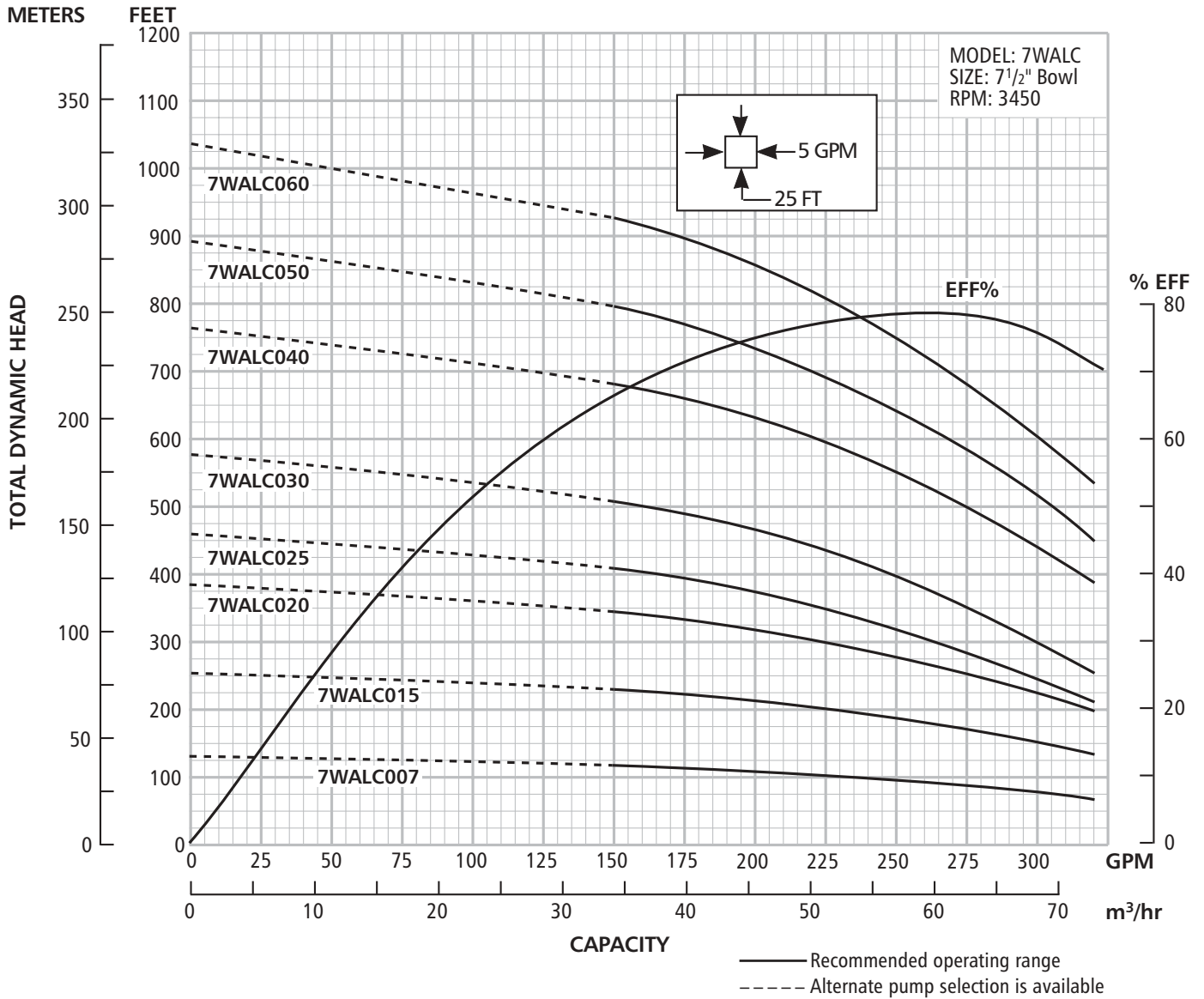
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MATERIALS OF CONSTRUCTION

Part Name	Material
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Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



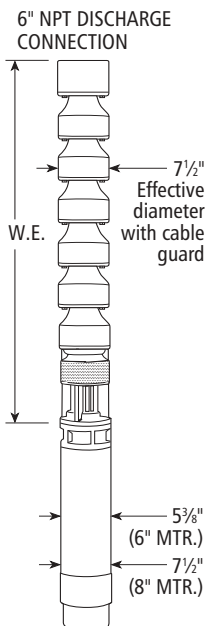
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
7.5	1	07WALC00766ATS	22.0	68
15	2	07WALC01566ATS	27.5	98
20	3	07WALC02066ATS	33.0	128
25	4	07WALC02566ATS	38.5	158
30	5	07WALC03066ATS	44.0	188
40	6	07WALC04066ATS	49.5	218
50	7	07WALC05066ATS	55.0	248
60	8	07WALC06066ATS	60.5	278

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

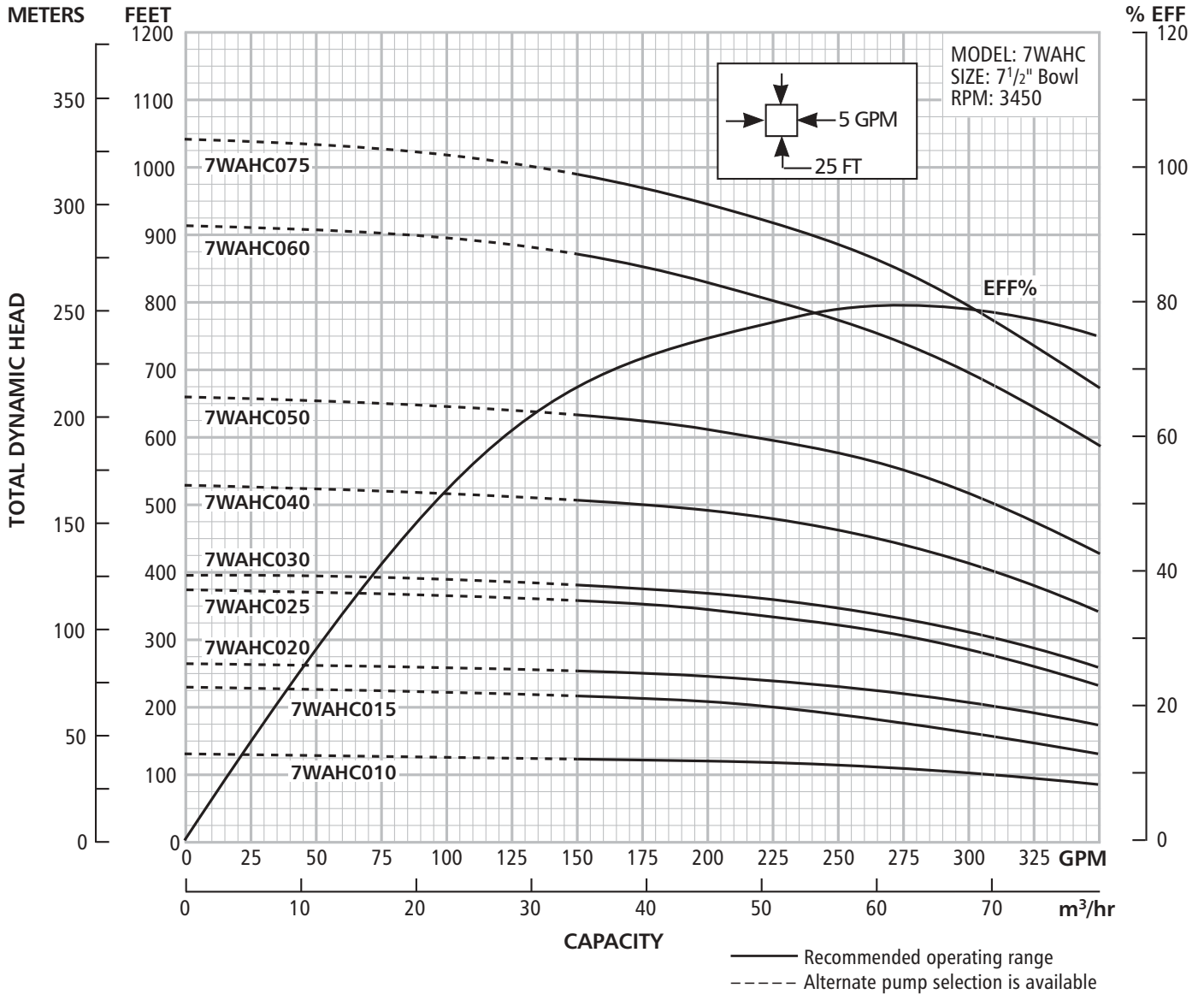
PLEASE NOTE:

- Order motors separately.
- For intermediate horsepower pumps consult factory.
- Solid line is recommended operating range. The dotted line (---) signifies an alternate pump selection is available.
- Please specify all options changes in W.E. order number.



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



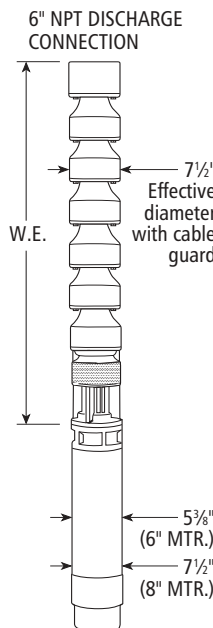
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
10	1	07WAHC01066ATS	22.0	68
15	2	07WAHC01566ATS	27.5	98
20	2	07WAHC02066ATS	27.5	98
25	3	07WAHC02566ATS	33.0	128
30	3	07WAHC03066ATS	33.0	128
40	4	07WAHC04066ATS	38.5	158
50	5	07WAHC05066ATS	44.0	188
60	7	07WAHC06066ATS	55.0	248
75	8	07WAHC07586ATS	60.5	290

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

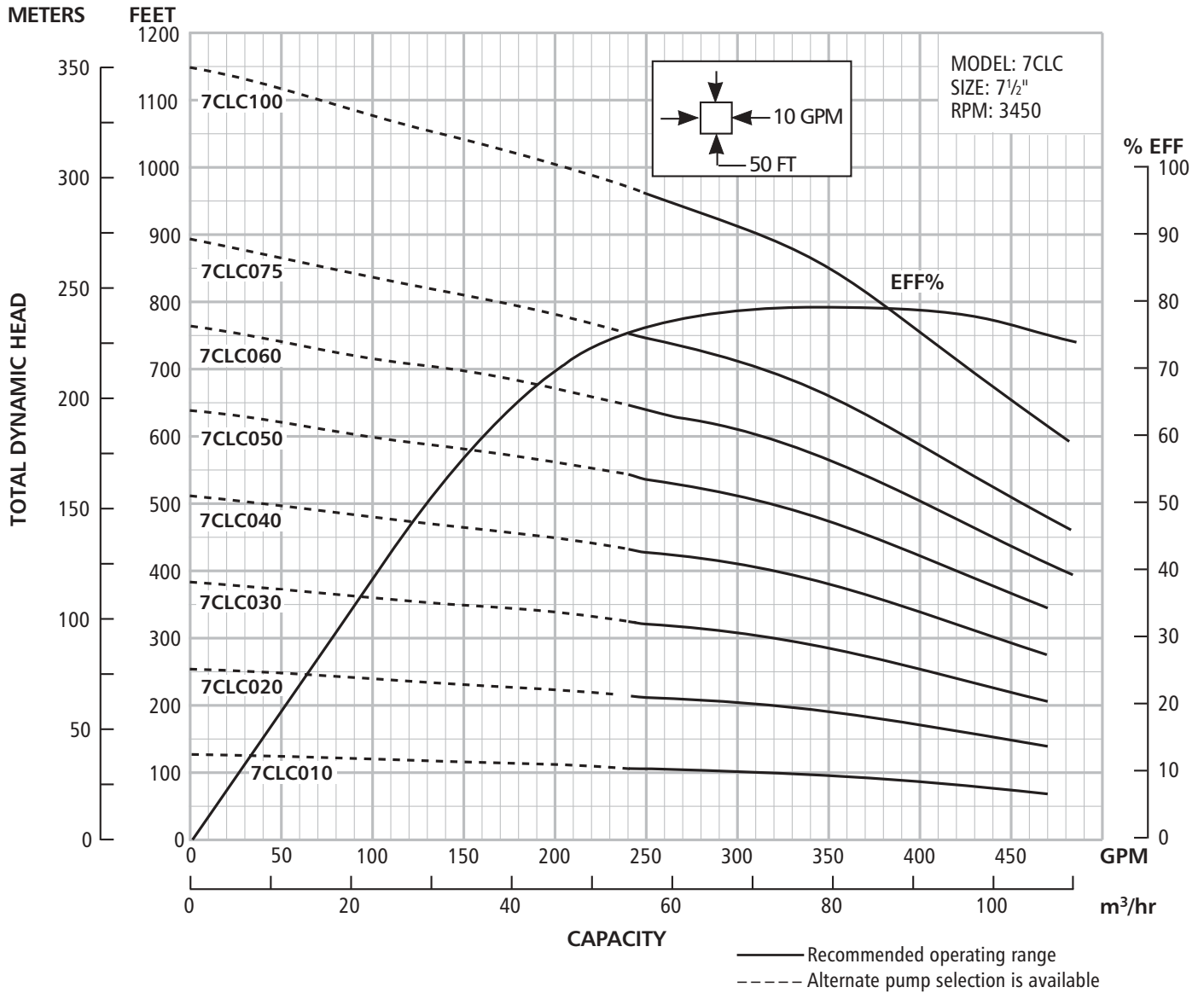
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MATERIALS OF CONSTRUCTION

Part Name	Material
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Discharge Bowl Bearing	ASTM B584
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Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



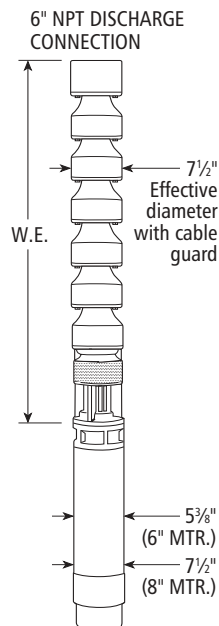
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
10	1	07CLC01066ATS	22.9	75
20	2	07CLC02066ATS	29.3	103
30	3	07CLC03066ATS	35.6	131
40	4	07CLC04066ATS	42.0	159
50	5	07CLC05066ATS	48.4	187
60	6	07CLC06066ATS	54.8	215
75	7	07CLC07586ATS	62.8	255
100	9	07CLC10086ATS	75.6	311

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

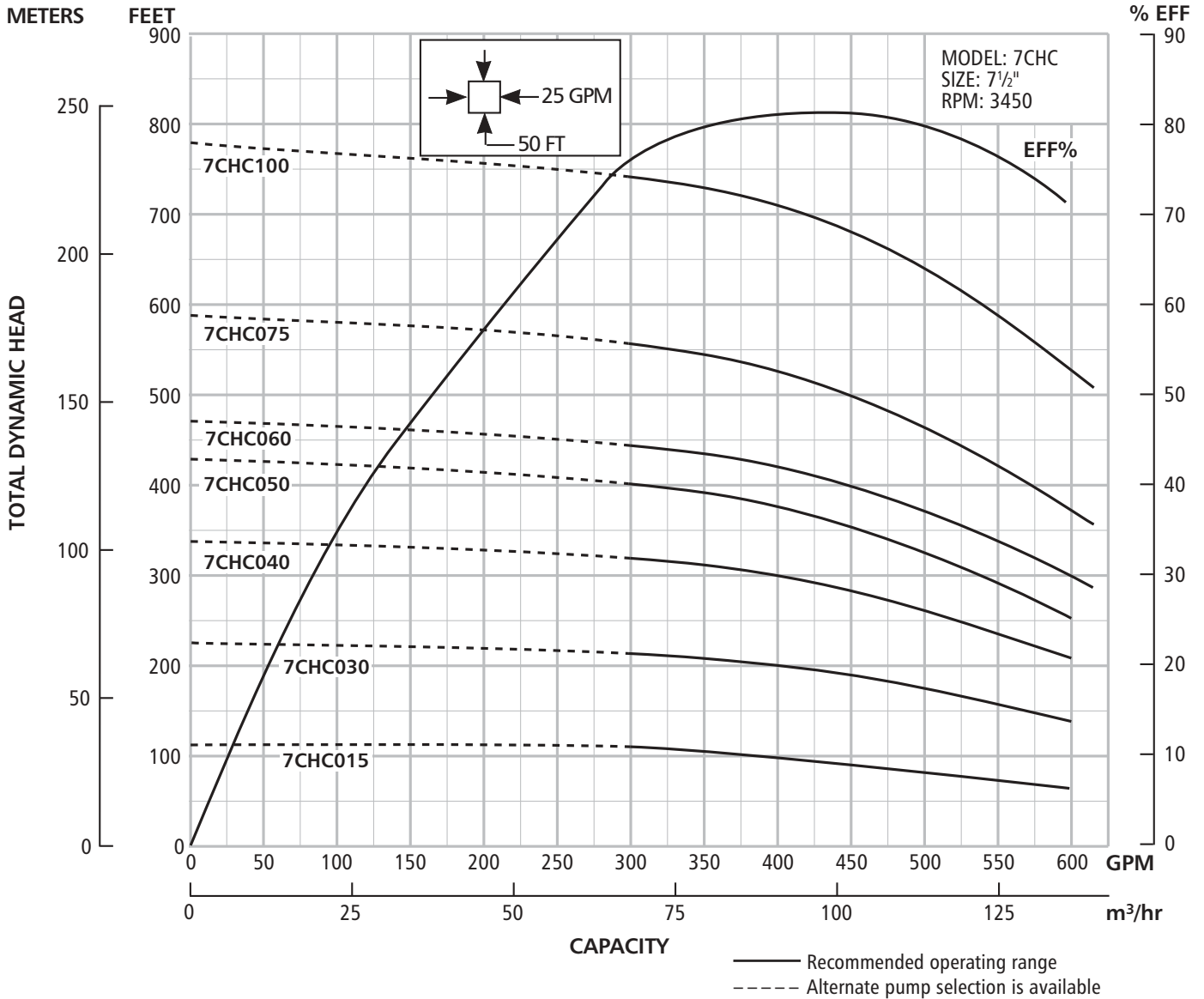
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Part Name	Material
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Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



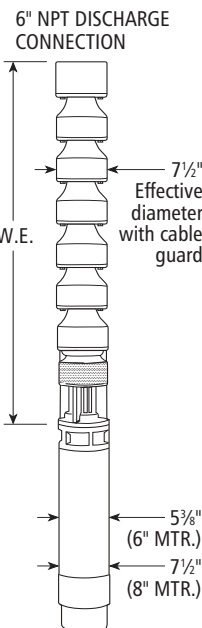
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
15	1	07CHC01566ATS	22.9	75
30	2	07CHC03066ATS	29.3	103
40	3	07CHC04066ATS	35.6	131
50	4	07CHC05066ATS	42.0	159
60	4	07CHC06066ATS		
75	5	07CHC07586ATS	50.0	199
100	6	07CHC10086ATS	56.5	227

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

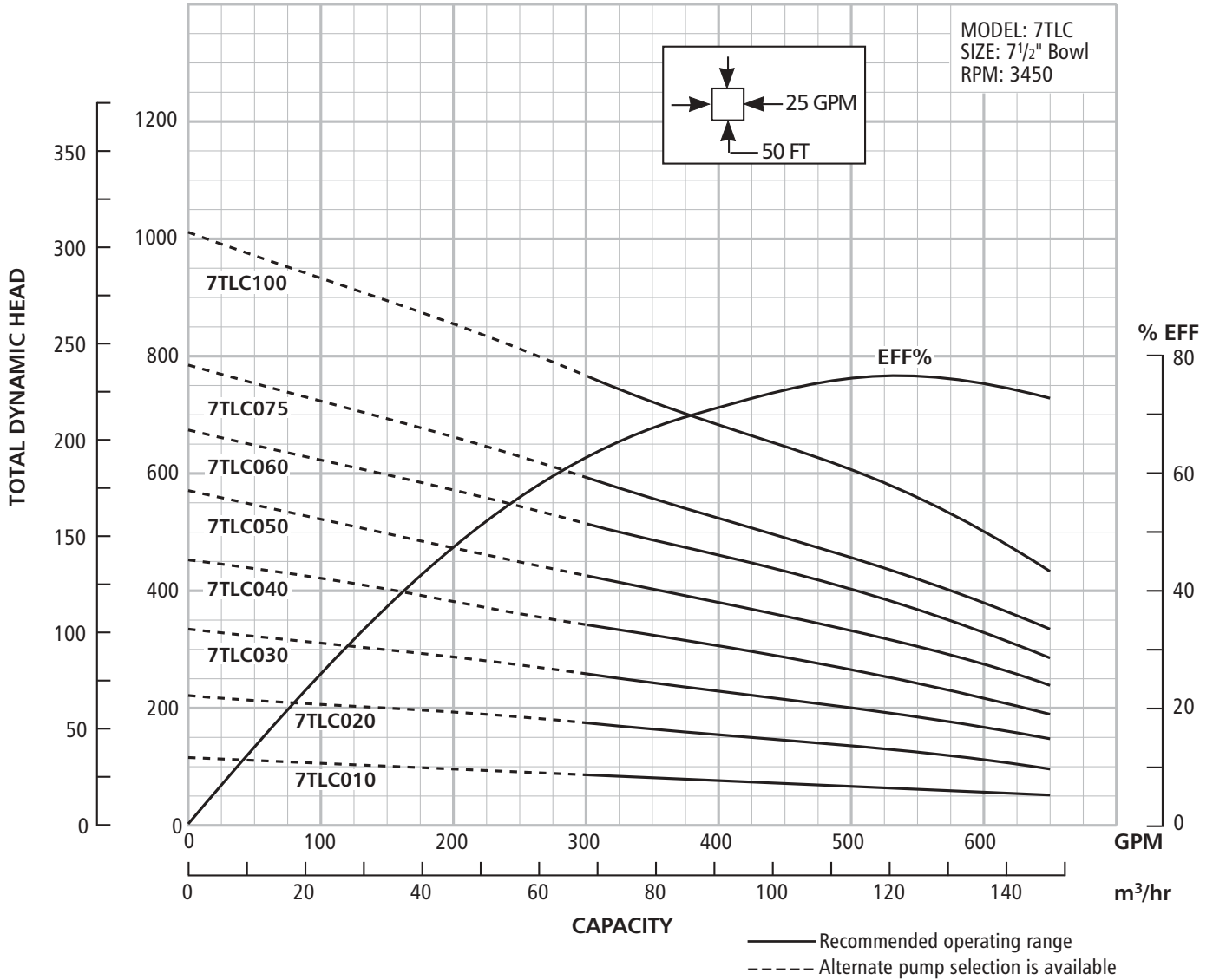
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Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400

METERS FEET



DIMENSIONS AND WEIGHTS

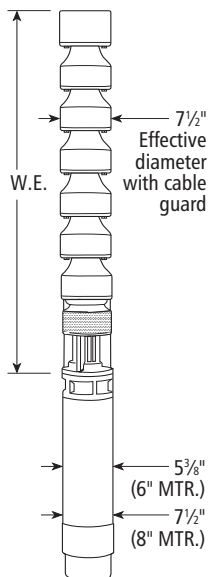
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
10	1	07TLC01066BTS	23.6	78
20	2	07TLC02066BTS	30.7	109
30	3	07TLC03066BTS	37.8	140
40	4	07TLC04066BTS	44.7	171
50	5	07TLC05066BTS	52.0	202
60	6	07TLC06066BTS	59.0	233
75	7	07TLC07586BTS	67.8	276
100	9	07TLC10086BTS	81.8	338

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

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- Please specify all options changes in W.E. order number.

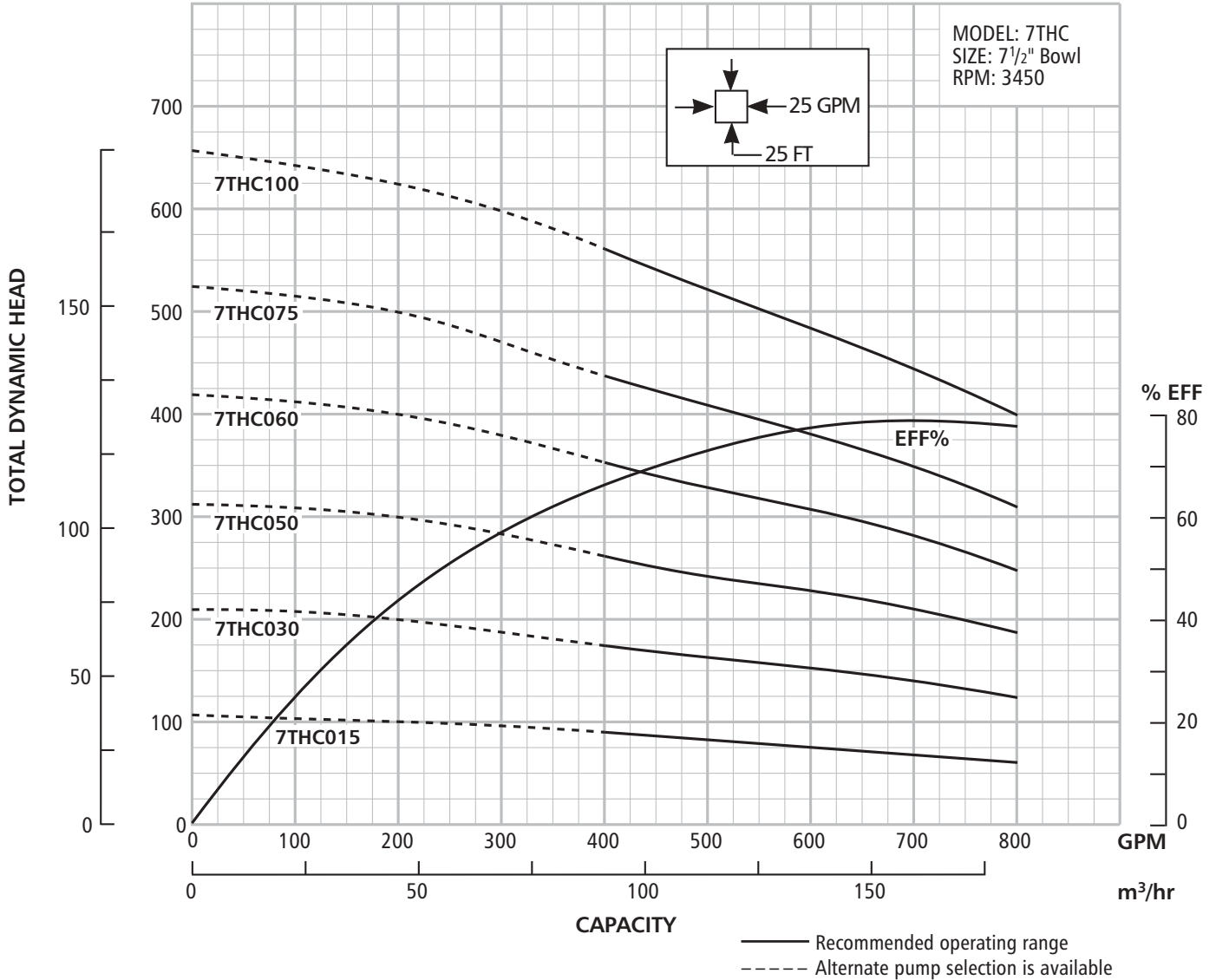
6" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400

METERS FEET



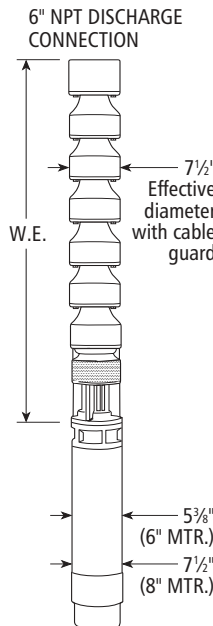
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
15	1	07THC01566BTS	23.6	78
30	2	07THC03066BTS	30.7	109
50	3	07THC05066BTS	37.8	140
60	4	07THC06066BTS	44.7	171
75	5	07THC07586BTS	53.6	214
100	6	07THC10086BTS	60.7	245

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

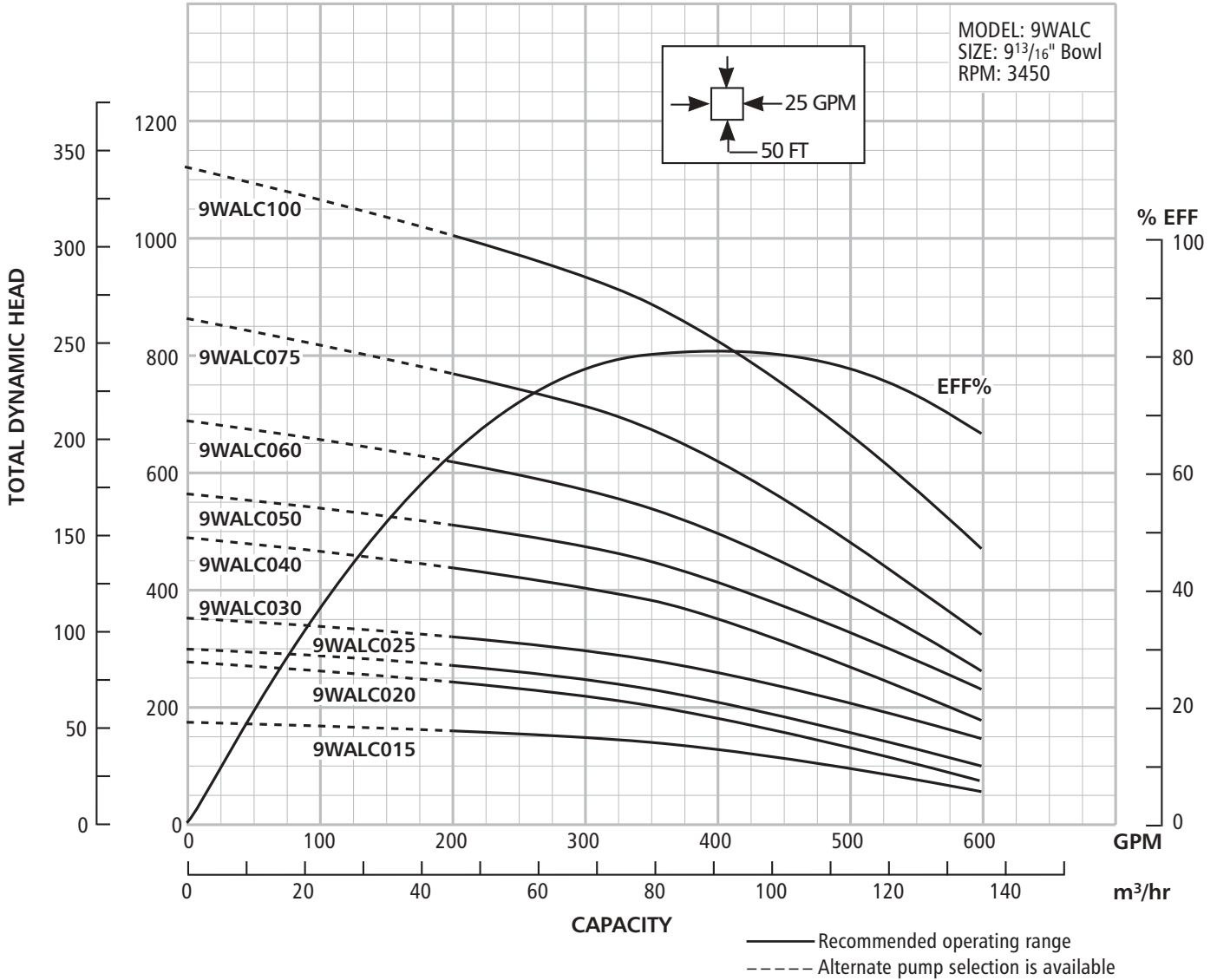
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MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
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Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400

METERS FEET



DIMENSIONS AND WEIGHTS

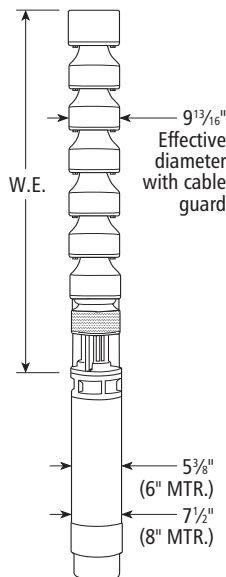
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
15	1	09WALC01566ATS	26.3	158
20	2	09WALC02066ATS	32.9	216
25	2	09WALC02566ATS	32.9	216
30	2	09WALC03066ATS	32.9	216
40	3	09WALC04066ATS	39.5	274
50	3	09WALC05066ATS	39.5	274
60	4	09WALC06066ATS	46.0	332
75	5	09WALC07586ATS	51.0	402
100	6	09WALC10086ATS	57.5	460

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

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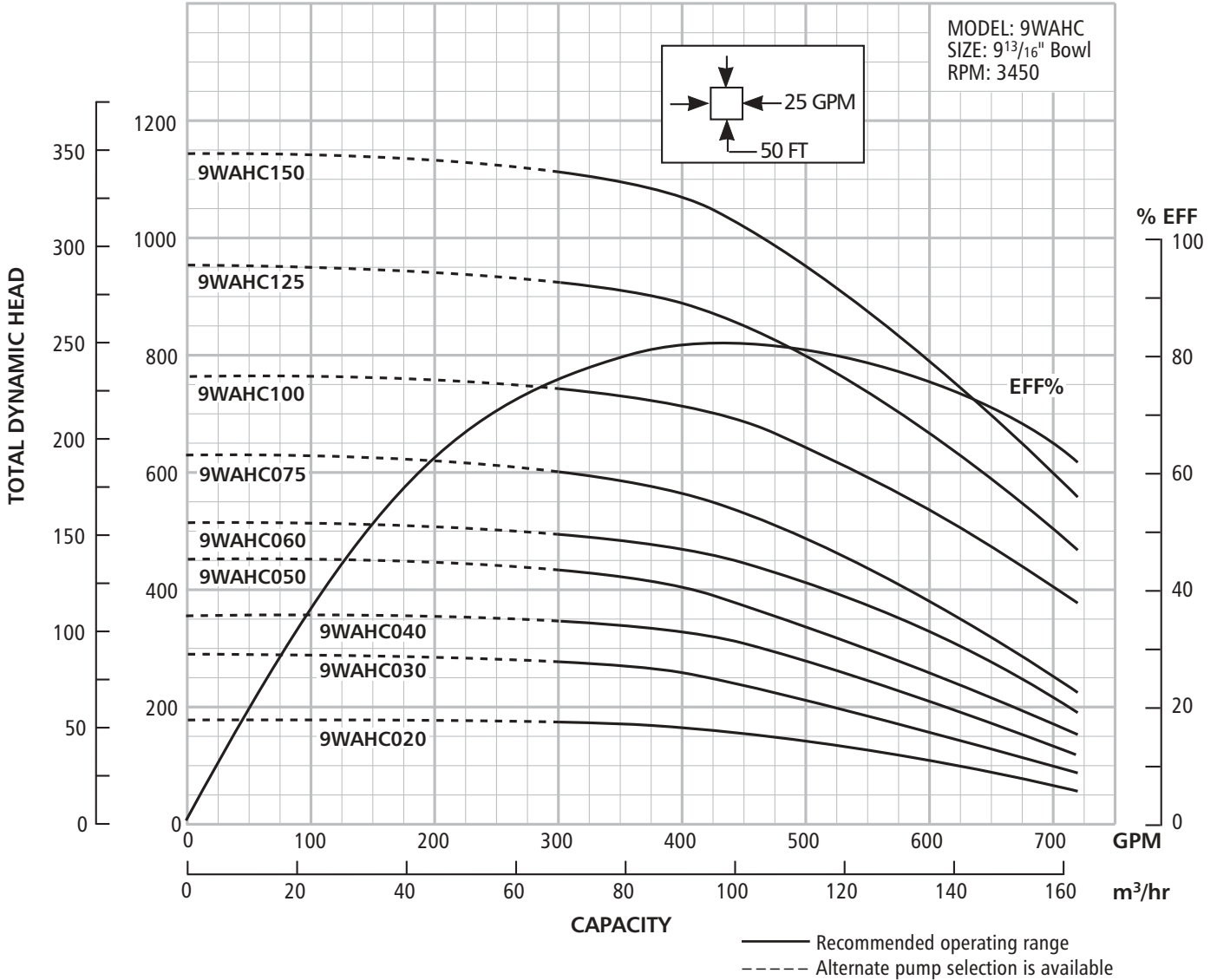
6" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400

METERS FEET



DIMENSIONS AND WEIGHTS

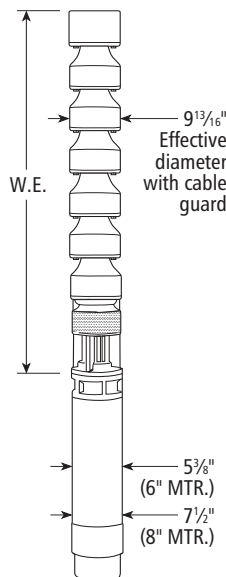
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
20	1	09WAHC02066ATS	26.3	158
30	2	09WAHC03066ATS	32.9	216
40	2	09WAHC04066ATS	32.9	216
50	3	09WAHC05066ATS	39.5	274
60	3	09WAHC06066ATS	39.5	274
75	4	09WAHC07586ATS	44.3	344
100	4	09WAHC10086ATS	44.3	344
125	5	09WAHC12586ATS	50.9	402
150	6	09WAHC15086ATS	57.5	460

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

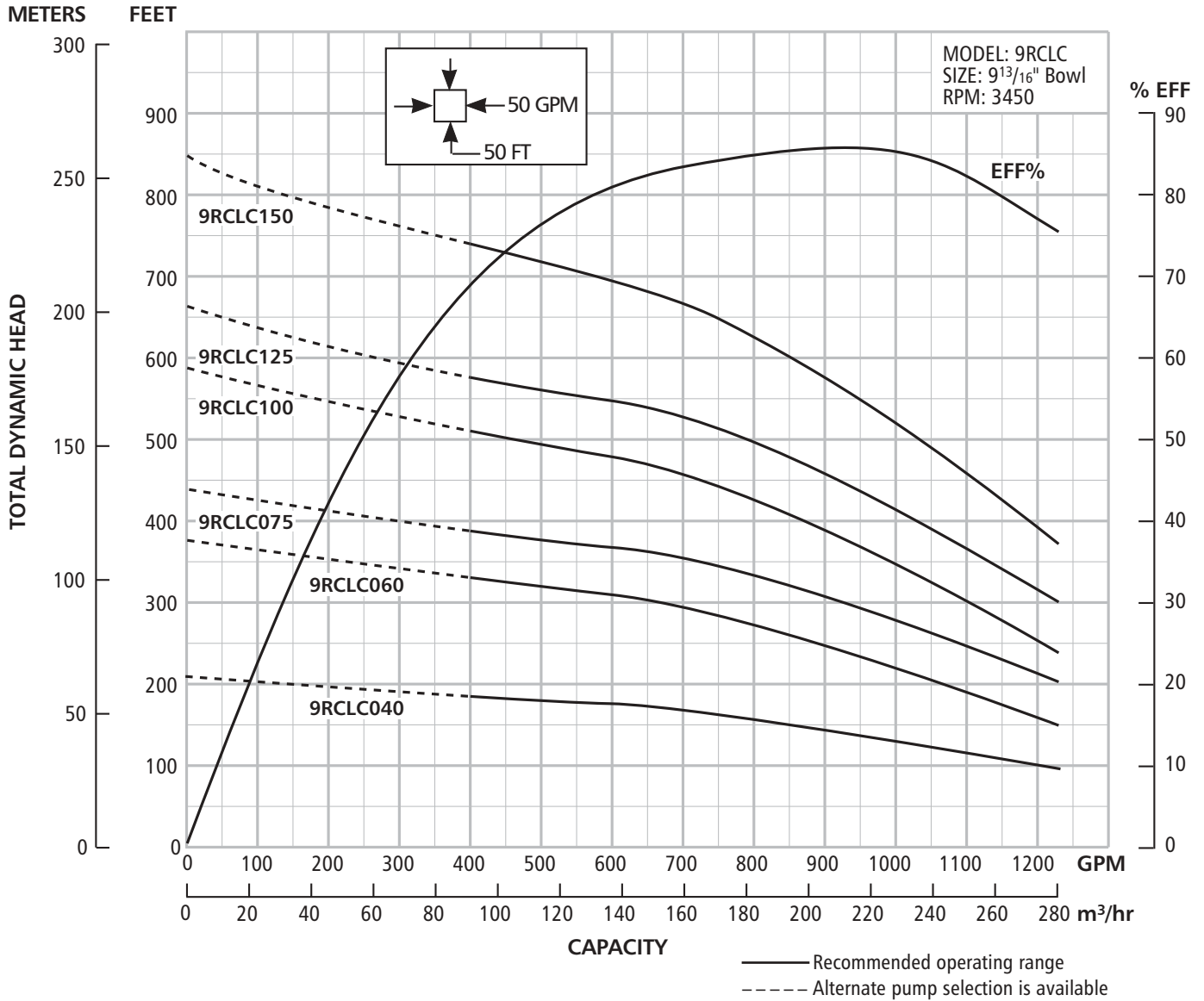
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6" NPT DISCHARGE CONNECTION



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Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
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Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



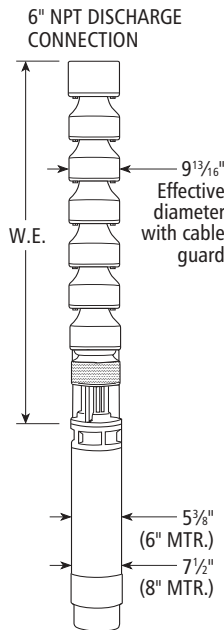
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
40	1	09RCLC04066ATS	28.0	194
60	2	09RCLC06066ATS	36.6	258
75	2	09RCLC07586ATS	34.8	270
100	3	09RCLC10086ATS	43.2	334
125	3	09RCLC12586ATS	43.2	334
150	4	09RCLC15086ATS	51.8	398

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

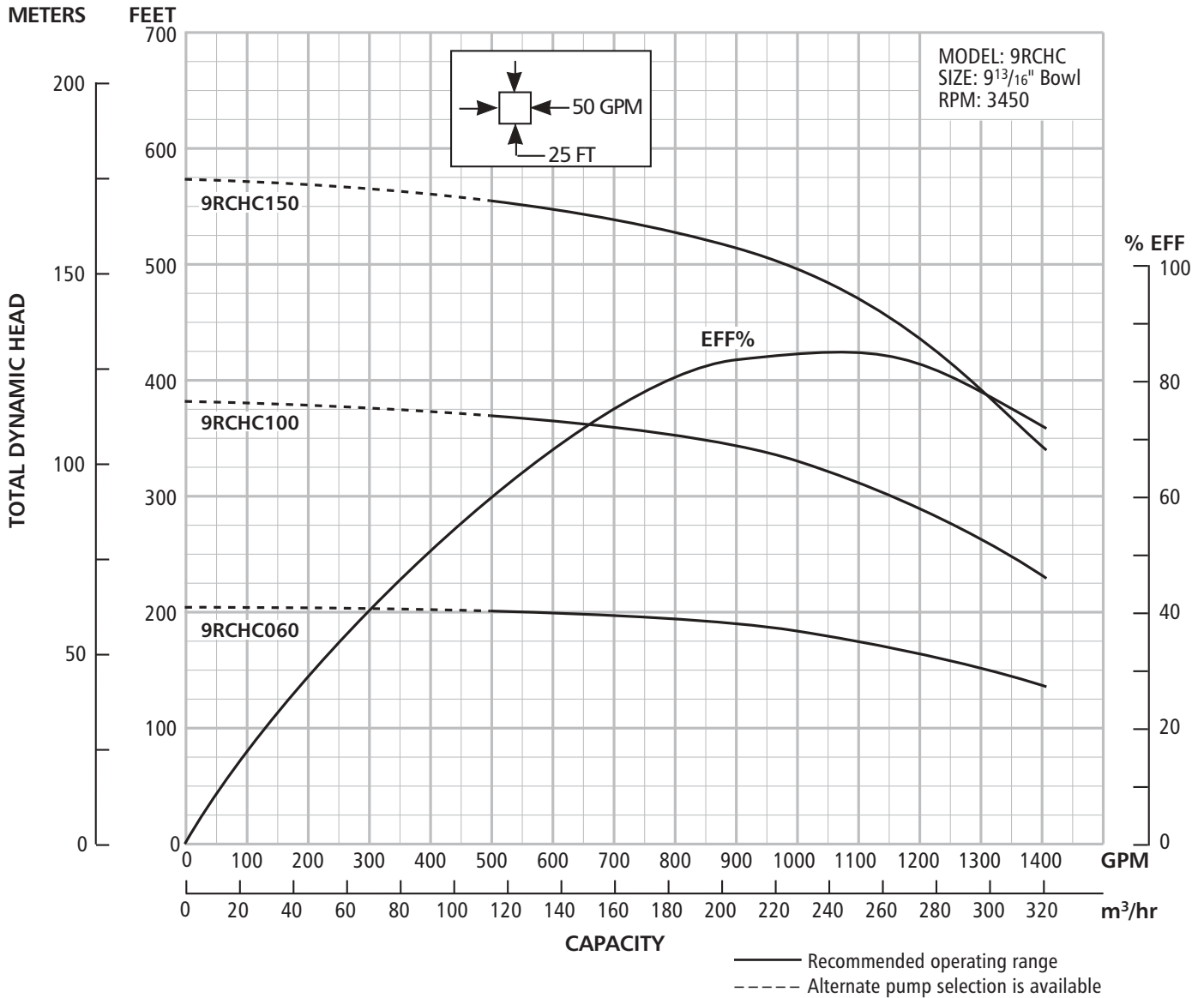
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Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



DIMENSIONS AND WEIGHTS

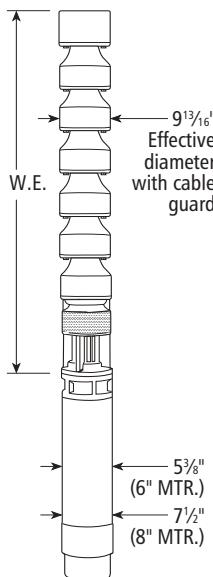
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
60	1	09RCHC06066ATS	28.0	194
100	2	09RCHC10086ATS	34.8	270
150	3	09RCHC15086ATS	43.5	334

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

PLEASE NOTE:

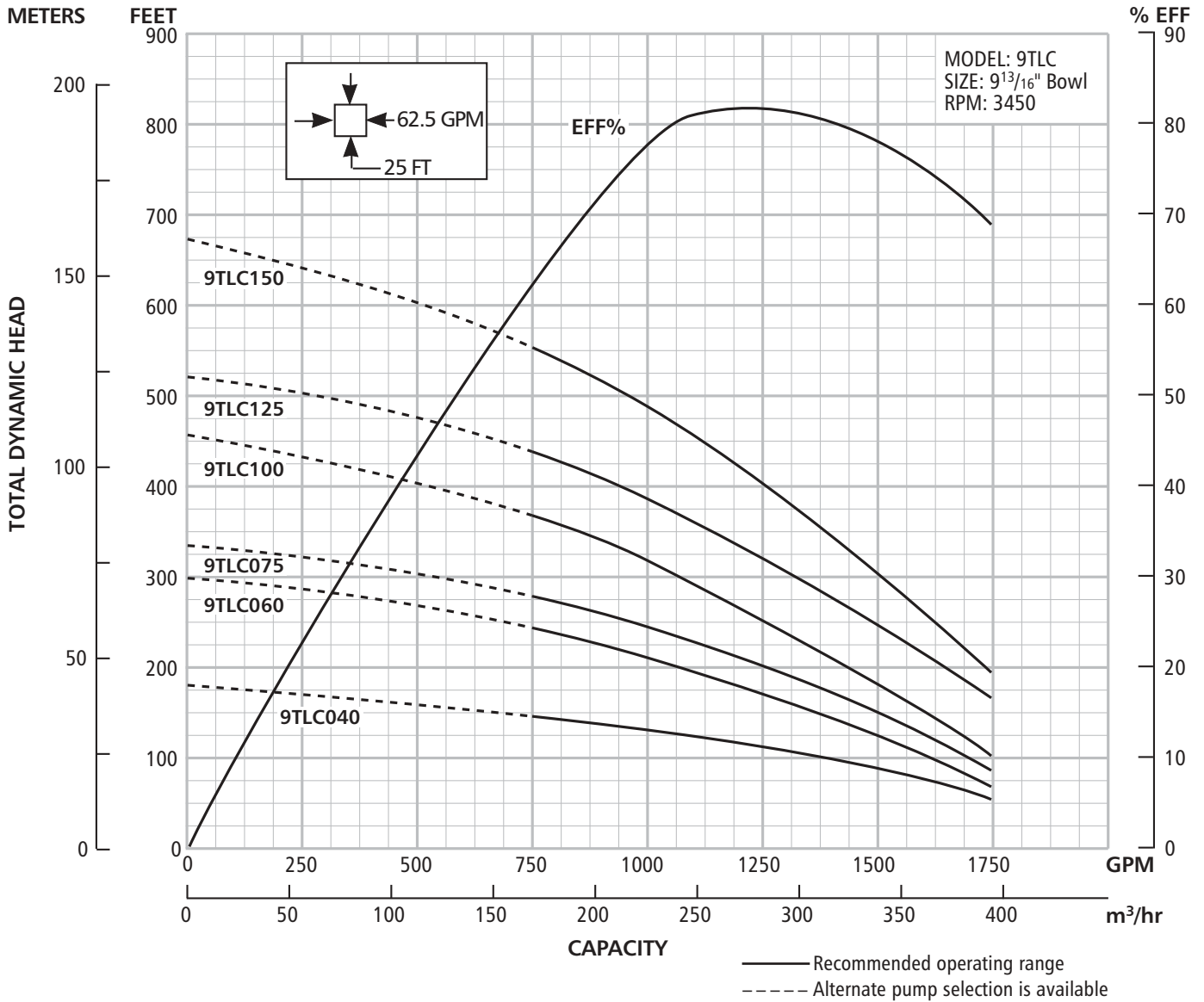
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Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



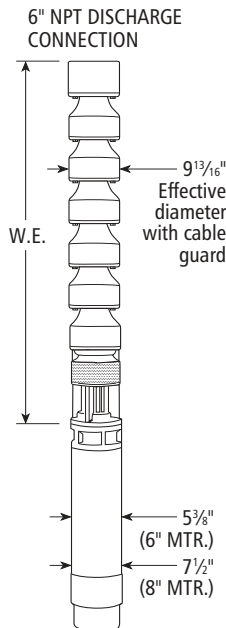
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
40	1	09TLC04066ATS	28.9	200
60	2	09TLC06066ATS	38.1	270
75	2	09TLC07586ATS	36.3	282
100	3	09TLC10086ATS	45.5	352
125	3	09TLC12586ATS	45.5	352
150	4	09TLC15086ATS	57.8	422

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

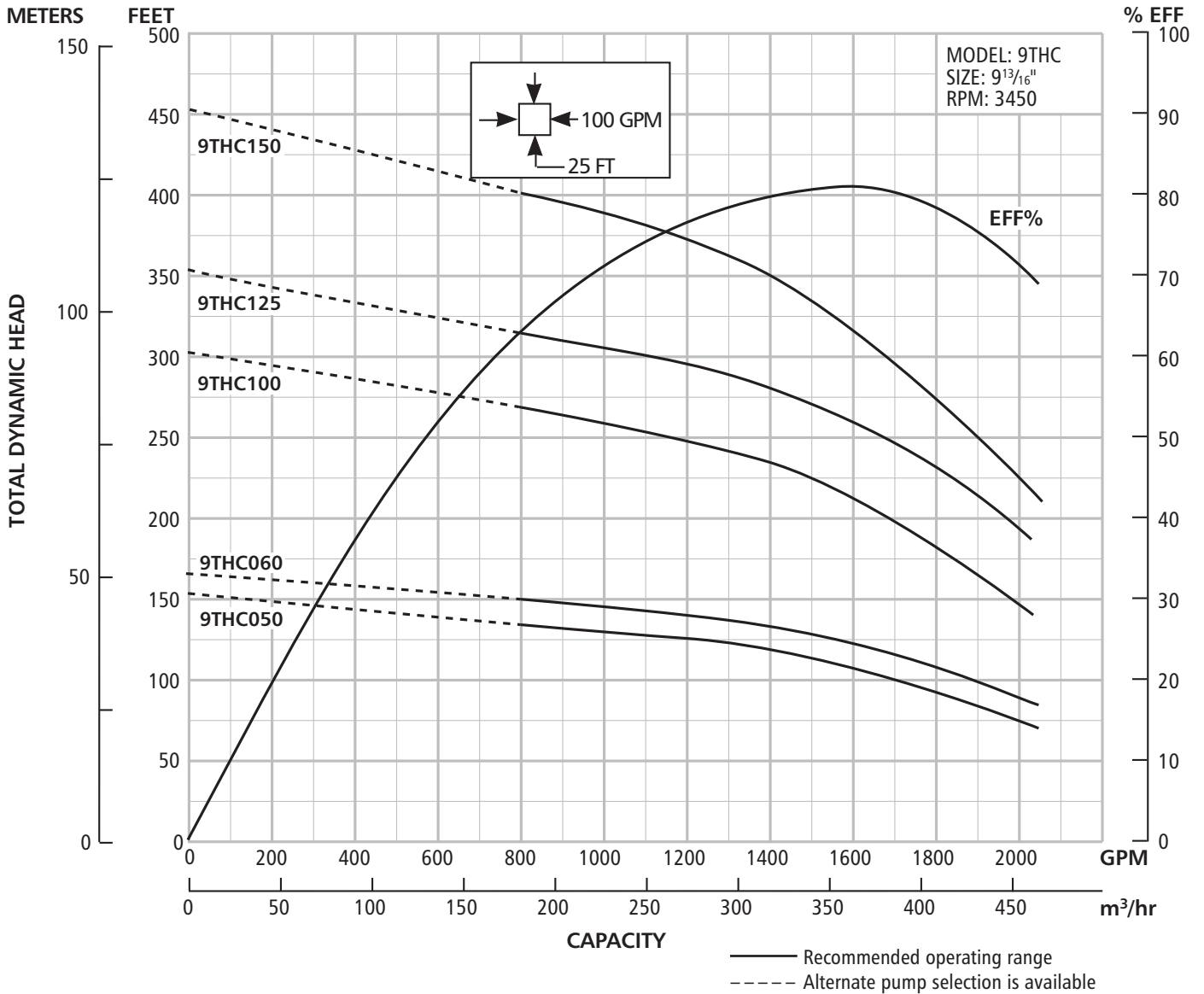
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Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



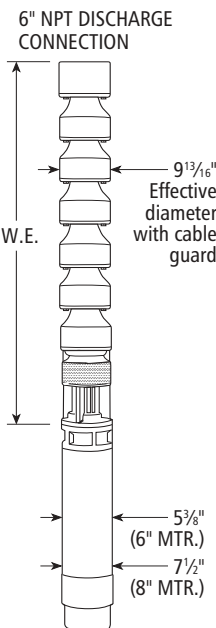
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
50	1	09THC05066ATS	28.9	200
60	1	09THC06066ATS	28.9	200
100	2	09THC10086ATS	36.3	282
125	2	09THC12586ATS	36.3	282
150	3	09THC15086ATS	45.5	352

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

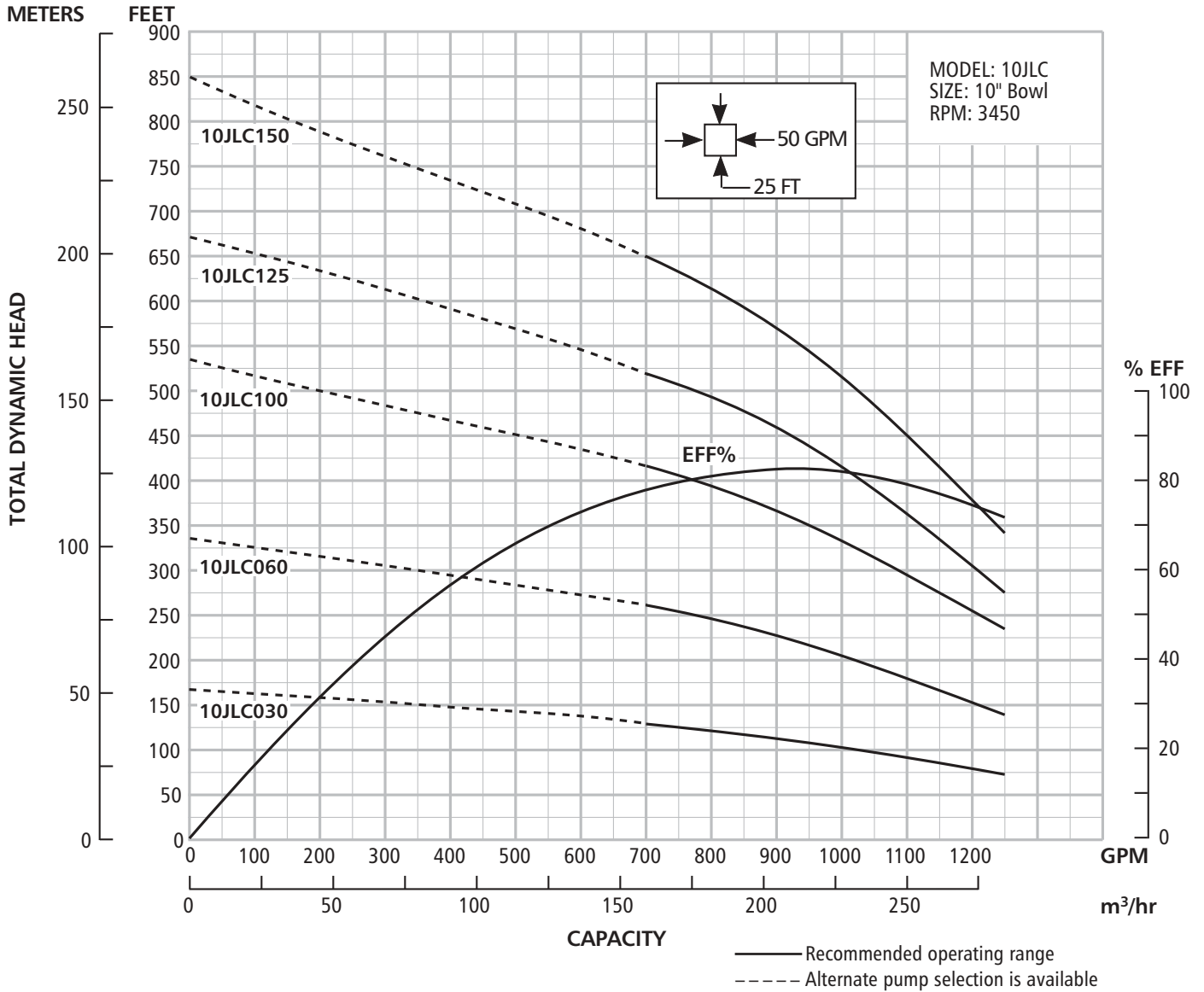
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Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



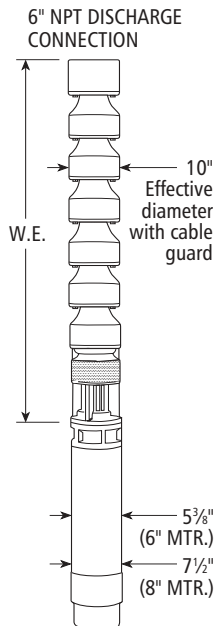
DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
30	1	10JLC03066BTS	28.0	187
60	2	10JLC06066BTS	36.4	249
100	3	10JLC10086BTS	43.0	312
125	4	10JLC12586BTS	51.3	372
150	5	10JLC15086BTS	59.8	432

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

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Part Name	Material
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Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400

Single Phase – 60 Hz Motor Specifications



Type	Goulds Model Number	Franklin Motor Model Prefix	Rated Input				Maximum (S.F. Load)		(1) Line to Line Res. M = Main S = Start	Locked Rotor Amps	KVA Code	Inverse Time Breaker	Dual Element Time Delay Fuse	Single Phase Control Box		
			HP	Volts	Hz	S.F.	(2) Amps	Watts							(2) Amps	Watts
4 inch three wire with run cap	S09940	224302	3	230	60	1.15	Y14.0 B12.2 R4.7	3150	Y17.0 B14.5 R4.5	3650	.9-1.5M 3.0-4.9S	82.0	G	45	20	00094 or ①00094MC
	S10940	224303	5	230	60	1.15	Y23.0 B15.9 R11.0	5100	Y27.5 B19.1 R10.8	5900	.68-1.0M 1.8-2.8S	121.0	F	60	45	00104 or ①00104MC
6 inch three wire	S10941	226110	5	230	60	1.15	Y23.0 B14.3 R10.8	5000	Y27.5 B17.4 R10.5	5700	.55-.68M 1.3-1.6S	99.0	E	60	45	00104 or ①00104MC
	S11970	226111	7½	230	60	1.15	Y36.5 B34.4 R5.5	7300	Y42.1 B40.5 R5.4	8800	.36-.50M .92-1.2S	165.0	F	100	45	00124 or ①③00124MC
	S12970	226112	10	230	60	1.15	Y44.0 B39.5 R9.3	9800	Y51.0 B47.5 R8.9	11300	.27-.33M .80-.99S	204.0	E	150	60	00134 or ①②00134MC
	S13970	226113	15	230	60	1.15	Y62.0 B52.0 R17.5	13900	Y75.0 B62.5 R16.9	16200	.17-.22M .68-.93S	303.0	E	200	80	①②00144MC

- (1) Main winding – black to yellow
Start winding – red to yellow
- (2) Y = Yellow lead, line amps
B = Black lead, main winding amps
R = Red lead, start or auxiliary winding amps
- ① MC = Deluxe FE control box with magnetic contactor
- ② Includes Lightning Arrestor

For Additional Motor Data Call Franklin Electric at 1-800-348-2420.

Three Phase – 60 Hz Motor Specifications

Type	Goulds Model Number	Franklin Motor Model Prefix	Rated Input				Maximum (S.F. Load)		Line to Line Res.	Locked Rotor Amps	KVA Code	Inverse Time Breaker	Dual Element Time Delay Fuse		
			HP	Volts	Hz	S.F.	Amps	Watts						Amps	Watts
4 inch 3450 RPM	S09978	234306	3	200	60	1.15	11.3	2980	12.4	3420	1.3-1.7	71	K	30	20
	S09970	234316	3	230	60	1.15	9.8	2980	10.8	3420	1.8-2.2	62	K	25	20
	S09975	234326	3	460	60	1.15	4.9	2980	5.4	3420	7.0-8.7	31	K	15	10
	S09979	234336	3	575	60	1.15	3.9	2980	4.3	3420	10.9-13.6	25	K	15	8
	S10978	234307	5	200	60	1.15	18.4	5050	20.4	5810	.70-.94	122	K	50	35
	S10970	234317	5	230	60	1.15	16.0	5050	17.7	5810	.93-1.2	106	K	40	30
	S10975	234327	5	460	60	1.15	8.0	5050	8.9	5810	3.6-4.4	53	K	20	15
	S10979	234337	5	575	60	1.15	6.4	5050	7.1	5810	5.6-6.9	43	K	20	15
	S119784	234308	7½	200	60	1.15	27.1	7360	29.9	8450	.46-.57	188	K	70	50
	S119704	234318	7½	230	60	1.15	23.6	7360	26.0	8450	.61-.75	164	K	60	45
	S119754	234328	7½	460	60	1.15	11.8	7360	13.0	8450	2.4-3.4	82	K	30	25
	S119794	234338	7½	575	60	1.15	9.4	7360	10.4	8450	3.5-5.1	66	K	25	20
6 inch 3450 RPM	S109786	236650	5	200	60	1.15	17.5	4700	19.1	5400	.68-.84	99	H	45	35
	S10971	236600	5	230	60	1.15	15.0	4700	16.6	5400	.88-1.09	86	H	40	30
	S10972	236610	5	460	60	1.15	7.5	4700	8.8	5400	3.5-4.0	43	H	20	15
	S109796	236620	5	575	60	1.15	6.0	4700	6.6	5400	5.9-7.2	34	H	15	15
	S11978	236651	7½	200	60	1.15	25.1	7000	28.3	8000	.39-.48	150	H	70	45
	S11971	236601	7½	230	60	1.15	21.8	7000	24.6	8000	.57-.71	130	H	60	40
	S11972	236611	7½	460	60	1.15	10.9	7000	12.3	8000	2.2-2.7	65	H	30	20
	S11979	236621	7½	575	60	1.15	8.7	7000	9.8	8000	3.6-4.4	52	H	25	20
	S12978	236652	10	200	60	1.15	32.7	9400	37	10800	.33-.42	198	H	90	60
	S12971	236602	10	230	60	1.15	28.4	9400	32.2	10800	.44-.55	172	H	80	60
	S12972	236612	10	460	60	1.15	14.2	9400	16.1	10800	1.7-2.2	86	H	40	30
	S12979	236622	10	575	60	1.15	11.4	9400	12.9	10800	2.8-3.5	69	H	30	25
	S13978	236653	15	200	60	1.15	47.8	13700	54.5	15800	.22-.27	306	H	125	90
	S13971	236603	15	230	60	1.15	41.6	13700	47.4	15800	.27-.33	266	H	110	80
	S13972	236613	15	460	60	1.15	20.8	13700	23.7	15800	1.1-1.3	133	H	60	40
	S13979	236623	15	575	60	1.15	16.7	13700	19	15800	1.7-2.1	106	H	45	30
	S14978	236654	20	200	60	1.15	61.9	18100	69.7	20900	.14-.17	416	J	175	110

Three Phase – 60 Hz Motor Specifications



Type	Goulds Model Number	Franklin Motor Model Prefix	Rated Input				Maximum (S.F. Load)		Line to Line	Locked Rotor	KVA	Inverse Time Breaker	Dual Element Time Delay Fuse		
			HP	Volts	Hz	S.F.	Amps	Watts	Amps	Watts	Res.	Amps	Code		
6 inch 3450 RPM	S14971	236604	20	230	60	1.15	53.8	18100	60.6	20900	.20-.25	362	J	150	100
	S14972	236614	20	460	60	1.15	26.9	18100	30.3	20900	.76-.94	181	J	70	50
	S14979	236624	20	575	60	1.15	21.5	18100	24.4	20900	1.2-1.5	145	J	60	40
	S15978	236655	25	200	60	1.15	77.1	22500	86.3	25700	.11-.14	552	J	200	150
	S15971	236605	25	230	60	1.15	67	22500	75	25700	.15-.19	480	J	175	125
	S15972	236615	25	460	60	1.15	33.5	22500	37.5	25700	.59-.73	240	J	90	60
	S15979	236625	25	575	60	1.15	26.8	22500	30	25700	1.0-1.3	192	J	70	50
	S16978	236656	30	200	60	1.15	90.9	26900	104	31100	.10-.12	653	J	250	175
	S16971	236606	30	230	60	1.15	79	26900	90.4	31100	.12-.15	568	J	225	150
	S16972	236616	30	460	60	1.15	39.5	26900	45.2	31100	.48-.60	284	J	110	80
	S16979	236626	30	575	60	1.15	31.6	26900	36.2	31100	.78-.95	227	J	90	60
	S17972	236617	40	460	60	1.15	53.5	35600	62	42400	.32-.40	397	J	150	100
	S17979	236627	40	575	60	1.15	42.8	35600	49.6	42400	.53-.59	318	J	110	80
	S18972	236618	50	460	60	1.15	67.7	45100	77	52200	.25-.32	414	H	175	125
	S18979	236628	50	575	60	1.15	54.2	45100	61.6	52200	.39-.48	331	H	150	100
	S19972	236619	60	460	60	1.15	80.5	53500	91	61700	.22-.27	518	H	225	150
S19979	236629	60	575	60	1.15	64.4	53500	72.8	61700	.35-.39	414	H	175	125	
8 inch 3525 RPM	S19982	239600	40	460	60	1.15	53	35000	60	40000	.247-.303	396	J	150	100
	S19989	239610	40	575	60	1.15	42	35000	48	40000	.399-.487	317	J	110	80
	S20982	239601	50	460	60	1.15	64	43000	73	49000	.181-.221	542	K	175	125
	S20989	239611	50	575	60	1.15	51	43000	59	49000	.280-.342	434	K	150	90
	S21982	239602	60	460	60	1.15	76	52000	86	60000	.142-.174	658	K	200	150
	S21989	239612	60	575	60	1.15	61	52000	69	60000	.227-.277	526	K	175	110
	S22982	239603	75	460	60	1.15	94	64000	107	73500	.106-.130	864	L	250	175
	S22989	239613	75	575	60	1.15	76	64000	86	73500	.169-.207	691	L	200	150
	S23982	239604	100	460	60	1.15	126	85000	142	97500	.073-.089	1211	L	350	225
	S23989	239614	100	575	60	1.15	101	85000	114	97500	.110-.134	969	L	300	200
	S24982	239105	125	460	60	1.15	167	109000	188	125000	.055-.067	1318	K	450	300
	S24989	239115	125	575	60	1.15	134	109000	151	125000	.087-.106	1054	K	350	250
	S25982	239106	150	460	60	1.15	194	128000	219	146000	.042-.051	1620	K	500	350
	S25989	239116	150	575	60	1.15	155	128000	176	146000	.067-.082	1296	K	400	300
	S26982	239107	175	460	60	1.15	219	150000	249	173000	.042-.052	1645	J	600	400
	S26989	239117	175	575	60	1.15	175	150000	200	173000	.063-.077	1316	J	450	350
S27982	239108	200	460	60	1.15	246	169000	282	194000	.036-.044	1875	J	700	450	
S27989	239118	200	575	60	1.15	197	169000	226	194000	.057-.070	1500	J	500	350	

NOTES:

Model numbers are three lead motors. Six lead motors with different model numbers have the same running performance, but when wye connected for starting have locked rotor amps 33% of the values shown.

For additional motor data call Franklin Electric at 1-800-348-2420.

Well Accessories

Check Valves – Goulds Pumps Ductile Iron

Size (In.)	Model No.	Valve O.D.	Min. Casing	Weight (lbs.)
3	CV03FF	4 ⁷ / ₁₆ "	5"	11
4	CV04FF	5 ¹ / ₄ "	6"	20
5	CV05FF	6 ³ / ₈ "	8"	35
6	CV06FF	7 ⁵ / ₈ "	10"	42
8	CV08FF	9 ⁷ / ₈ "	12"	63

Female x Female – NPT
Break-off tube available.

Check Valves – 80 DI Flomatic Ductile Iron

Size (In.)	Model No.	Valve O.D.	Min. Casing	Weight (lbs.)
2	FCV2FFDI	3"	4"	5
3	FCV3FFDI	4 ⁵ / ₈ "	5"	10
4	FCV4FFDI	5 ³ / ₄ "	6"	19
5	FCV5FFDI	6 ³ / ₄ "	8"	48
6	FCV6FFDI	8"	10"	63
8	FCV8FFDI	9 ⁵ / ₈ "	12"	92
10	FCV10FFDIX	12 ¹ / ₈ "	14"	148

Female x Female – NPT
Break-off tube available.

Accessories Items Available – Contact Factory

- | | |
|---------------------|-------------------------|
| Well Heads | Draw Down Gauges |
| Column Pipe | Sub Motor Shrouds |
| Pump Control Panels | Well Elevators |
| Subtrol Panels | Well Bailing Tools |
| Cable | Well Brushes |
| Splice Connectors | Well Fishing Tools |
| Pressure Gauges | Custom Well Accessories |

Motor Size	HP	Volts	FURNAS Class 16		Class 14 with ESP100	Inverse Time Breaker	Dual Element Time Delay Fuse
			Order Number	Heaters	Order Number		
4" 3Ø	3	200	16AD	K54	CSED	30	20
		230	16AG	K52	CSEA	25	20
		460	16AH	K37	CSDC	15	10
		575	16AE	K33	CSDE	15	8
	5	200	16AD	K61	DSFD	50	35
		230	16AG	K60	DSFA	40	30
		460	16AH	K49	CSDC	20	15
		575	16AE	K41	CSDE	20	15
	7½	200	16CD	K69	DSFD	70	50
		230	16BG	K64	DSFA	60	45
		460	16AH	K54	DSEC	30	25
		575	16AE	K52	DSEE	25	20
6" 3Ø	5	200	16AD	K61	DSFD	45	35
		230	16AG	K58	DSFA	40	30
		460	16AH	K49	CSDC	20	15
		575	16AE	K39	CSDE	15	15
	7½	200	16BD	K67	DSFD	70	45
		230	16BG	K64	DSFA	60	40
		460	16AH	K54	DSEC	30	20
		575	16AE	K50	DSEE	25	20
	10	200	16CD	K72	ESGD	90	60
		230	16CG	K70	ESGA	80	60
		460	16AH	K57	DSEC	40	30
		575	16AE	K54	DSEE	30	25
	15	200	16ED	K75	GSJD	125	90
		230	16DG	K73	FSHA	110	80
		460	16BH	K63	ESFC	60	40
		575	16BE	K61	ESFE	45	30
	20	200	16FD ①	(K77)	HSKD	175	110
		230	16FG ①	(K75)	GSJA	150	100
		460	16CH	K69	FSHC	70	50
		575	16CE	K63	FSHE	60	40
	25	200	16GD	K85	HSKD	200	150
		230	16GG	K78	HSKA	175	125

Motor Size	HP	Volts	FURNAS Class 16		Class 14 with ESP100	Inverse Time Breaker	Dual Element Time Delay Fuse
			Order Number	Heaters	Order Number		
6" 3Ø	25	460	16DH	K72	FSHC	90	60
		575	16DE	K69	FSHE	70	50
	30	200	16HD*	K88	ISLD	250	175
		230	16HG*	K85	HSKA	225	150
		460	16EH	K73	GSHC	110	80
	40	575	16EE	K70	G SHE	90	60
		460	16GH ①	(K76)	HSKC	150	100
	50	575	16GE ①	(K73)	HSKE	110	80
		460	16GH ①	(K78)	HSKC	175	125
	60	575	16GE ①	(K75)	HSKE	150	100
		460	16HH*	K85	ISLC	225	150
	8" 3Ø	40	575	16HE*	K78	ISLE	175
460			16GH ①	(K77)	HSKC	150	100
50		575	16GE ①	(K73)	HSJE	110	80
		460	16HH*	K78	HSKC	175	125
60		575	16HE*	K75	HSKE	150	90
		460	16IH*	K85	ISLC	200	150
75		575	16IE*	K77	ISLE	175	110
		460	N/A	N/A	ISLC	250	175
100		575	N/A	N/A	ISLE	200	150
		460	N/A	N/A	JTMC	350	225
125		575	N/A	N/A	JTME	300	200
		460	N/A	N/A	N/A	450	300
150	575	N/A	N/A	N/A	350	250	
	460	N/A	N/A	N/A	500	350	
175	575	N/A	N/A	N/A	400	300	
	460	N/A	N/A	N/A	600	400	
200	575	N/A	N/A	N/A	450	350	
	460	N/A	N/A	N/A	700	450	
		575	N/A	N/A	500	350	

NOTE: The Class 16 starter chart shows the order number for matched coil and load voltage, i.e. a 230 volt power supply with a 230 volt coil. To use a different coil voltage select the same size starter with a different coil.

Nomenclature: Ex. 16 B H

16 = Class 16 DP Starter.

B = Starter size, sizes are A, B, C, D, E, F, G, H. Size determined by Full Load Amps and Locked Rotor Amps.

H = coil voltage. Voltages are: D = 200 V, E = 575 V, F = 115 V, G = 230 V, H = 460 V.

The Class 14 starter nomenclature can be found in your Jet & Submersible Price Book.


* These are a special order, non-stock item. Please allow 2-3 weeks for delivery and call for pricing.

N/A - Call factory for custom panel quote.

① Effective May 2003, this model equipped with adjustable overload, K heaters are no longer required.

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BR5-10T

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ITT Industries