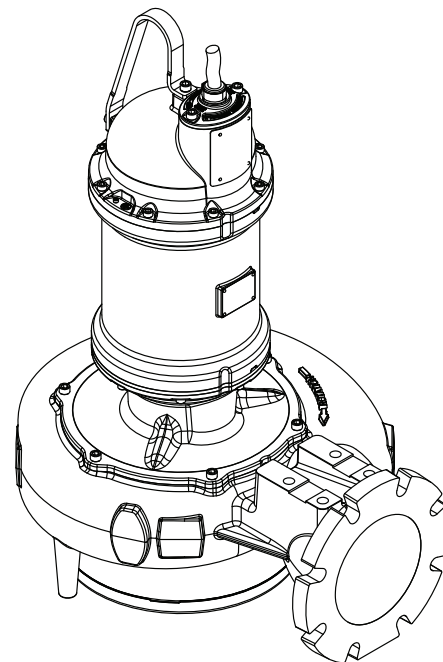


Specifications:

DISCHARGE	8", 125 lb. Horizontal Flange Slotted to accommodate 200mm ISO Flanges
LIQUID TEMPERATURE	104°F (40°C) Continuous
VOLUTE	Cast Iron ASTM A-48, Class 30
STRIKER PLATE	440C Stainless Steel Heat Treated to 53-60 HRC Hole Pattern to Accomodate 8" 125 # Flange
WEAR RING.....	C954 Lead-Free Bronze
MOTOR HOUSING	Cast Iron ASTM A-48, Class 30
SEAL PLATE	Ductile Iron ASTM A-536, 65-45-12
IMPELLER:	
Design	Enclosed Tri Vane, With Pump Out Vaness on Back Side. Dynamically Balanced ISO G6.3
Material	Ductile Iron ASTM A-536, 65-45-12
SLICING BLADE	440C Stainless Steel Heat Treated to 53-60 HRC
SHAFT	416 Stainless Steel
"O" RINGS.....	Buna-N
HARDWARE	300 Series Stainless Steel
LIFTING BAIL	300 Series Stainless Steel
PAINT	Axalta™ Corlar® Epoxy, Two Coats
SEAL:	
Design	Tandem Mechanical, Oil Filled Reservoir.
Material: Inboard.....	Rotating Faces - Carbon Stationary Faces - Ceramic
Material: Outboard.....	Rotating Faces - Silicon Carbide Stationary Faces - Silicon Carbide Elastomer - Buna-N Hardware - 300 Series Stainless
CORD ENTRY	Custom Molded, Quick Connected for Sealing and Strain Relief
POWER CORD	CSA Certified Submersible Power Cable 2000V - Ordered Separately
SPEED	1150 RPM
UPPER BEARING:	
Design	Single Row, Ball, Oil Lubricated
Load	Radial
LOWER BEARING:	
Design	Double Row, Ball, Oil Lubricated
Load.....	Radial & Thrust
MOTOR: Design	NEMA B Three Phase Torque Curve. Oil-Filled, Squirrel Cage Induction, Inverter Duty rated per NEMA MG1
Insulation	Class H Varnish & Magnet Wire
THREE PHASE	Requires overload protection to be included in control panel.
MOISTURE SENSOR	Normally Open (N/O), Requires Relay in Control Panel
TEMPERATURE SENSOR	Three Normally Closed (N/C). To be wired in series with control circuit.
OPTIONAL EQUIPMENT.....	White Iron Impeller, Seal Material, Impeller Trims, Cord Length
MARKINGS	CSA
WEIGHT	877 lbs (398 Kg)
SUBMERGENCE	Max Depth 66ft (20m)

RECOMMENDED:

Accessories.....	Break Away Fitting (BAF) Check Valve Control Panel Moisture/Temp. Sensor Relay (Pump Monitor Relay) Leg Kit
------------------	---



SITHE

Series: 8SCTM
20HP, 1150RPM, 60Hz

Sample Specifications: Section 0.2G Page G.

This product may be covered by one or more of the following patents and other patent(s) pending: US Patent 7,931,473, NZ DSN NO. 424412, NZ DSN NO. 424413, AUS DSN NO. 201812608, AUS DSN NO. 201812609, EU Design Reg. 005293040-0001

DESCRIPTION:

SUBMERSIBLE CHOPPER PUMP
DESIGNED FOR RAW SEWAGE
APPLICATIONS.



WARNING:

CANCER AND REPRODUCTIVE HARM -
WWW.P65WARNINGS.CA.GOV



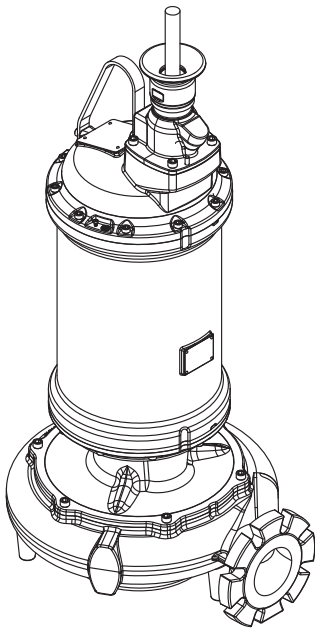
Series 8SCTM

28 Frame Driver



www.cranepumps.com

SITHE Submersible Chopper Pumps



Series: 8SCTM
60HP, 1750RPM, 60Hz
20 - 40HP, 1150RPM, 60Hz
7.5 - 30HP, 870RPM, 60Hz

Sample Specifications: Section 0.2G Page G.

This product may be covered by one or more of the following patents and other patent(s) pending: US Patent 7,931,473, NZ DSN NO. 424412, NZ DSN NO. 424413, AUS DSN NO. 201812608, AUS DSN NO. 201812609, EU Design Reg. 005293040-0001

DESCRIPTION:

SUBMERSIBLE CHOPPER PUMP
DESIGNED FOR RAW SEWAGE
APPLICATIONS.



WARNING:
CANCER AND REPRODUCTIVE HARM -
WWW.P65WARNINGS.CA.GOV

Specifications:

DISCHARGE	8", 125 lb. Horizontal Flange Slotted to accommodate 200mm ISO Flanges
LIQUID TEMPERATURE	104°F (40°C) Continuous
VOLUTE	Cast Iron ASTM A-48, Class 30
STRIKER PLATE	440C Stainless Steel Heat Treated to 53-60 HRC Hole Pattern to Accommodate 8" 125 # Flange
WEAR RING	C954 Lead-Free Bronze
MOTOR HOUSING	Cast Iron ASTM A-48, Class 30
SEAL PLATE	Ductile Iron ASTM A-536, 65-45-12
IMPELLER:	
Design	Enclosed Tri Vane, With Pump Out Vaness on Back Side. Dynamically Balanced ISO G6.3
Material	Ductile Iron ASTM A-536, 65-45-12
SLICING BLADE	440C Stainless Steel Heat Treated to 53-60 HRC
SHAFT	416 Stainless Steel
"O" RINGS	Buna-N
HARDWARE	300 Series Stainless Steel
LIFTING BAIL	300 Series Stainless Steel
PAINT	Axalta™ Corlar® Epoxy, Two Coats
SEAL:	
Design	Tandem Mechanical, Oil Filled Reservoir.
Material: Inboard	Rotating Faces - Carbon Stationary Faces - Ceramic
Material: Outboard	Rotating Faces - Silicon Carbide Stationary Faces - Silicon Carbide Elastomer - Buna-N Hardware - 300 Series Stainless
CORD ENTRY	Rigid quick change epoxy-potted housing
POWER CORD	CSA Certified Submersible Power Cable 2000V - Ordered Separately
SPEED	1150 or 870 RPM
UPPER BEARING:	
Design	Single Row, Ball, Oil Lubricated
Load	Radial
LOWER BEARING:	
Design	Double Row, Ball, Oil Lubricated
Load	Radial & Thrust
MOTOR: Design	NEMA B Three Phase Torque Curve. Oil-Filled, Squirrel Cage Induction, Inverter Duty rated per NEMA MG1
Insulation	Class H Varnish & Magnet Wire
THREE PHASE	Requires overload protection to be included in control panel.
MOISTURE SENSOR	Normally Open (N/O), Requires Relay in Control Panel
TEMPERATURE SENSOR	Three Normally Closed (N/C). To be wired in series with control circuit.
OPTIONAL EQUIPMENT	White Iron Impeller, Seal Material, Impeller Trims, Cord Length
MARKINGS	CSA
WEIGHT	1017 lbs (462 Kg)
SUBMERGENCE	Max Depth 66ft (20m)
RECOMMENDED:	
Accessories	Break Away Fitting (BAF) Check Valve Control Panel Moisture/Temp. Sensor Relay (Pump Monitor Relay) Leg Kit



SECTION 0.2G
PAGE 12
DATE 2/20



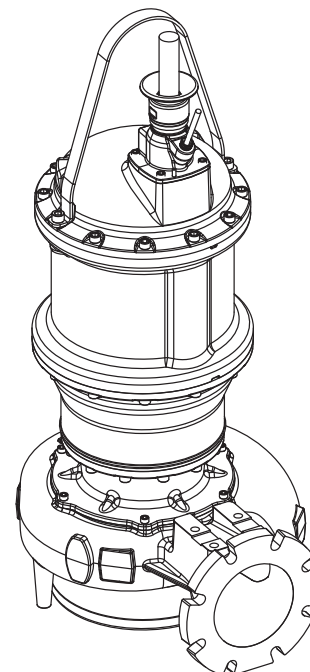
A Crane Co. Company

PUMPS & SYSTEMS

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

Specifications:

DISCHARGE	8", 125 lb. Horizontal Flange Slotted to accommodate 200mm ISO Flanges
LIQUID TEMPERATURE	104°F (40°C) Continuous
VOLUTE	Cast Iron ASTM A-48, Class 30
STRIKER PLATE	440C Stainless Steel Heat Treated to 53-60 HRC Hole Pattern to Accomodate 8" 125 # Flange
WEAR RING.....	C954 Lead-Free Bronze
MOTOR HOUSING	Cast Iron ASTM A-48, Class 30
SEAL PLATE	Cast Iron ASTM A-48, Class 30
IMPELLER:	
Design	Enclosed Tri Vane, With Pump Out Vaness on Back Side. Dynamically Balanced ISO G6.3
Material	Ductile Iron ASTM A-536, 65-45-12
SLICING BLADE	440C Stainless Steel Heat Treated to 53-60 HRC
SHAFT	416 Stainless Steel
"O" RINGS.....	Buna-N
HARDWARE	300 Series Stainless Steel
LIFTING BAIL	300 Series Stainless Steel
PAINT	Axalta™ Corlar® Epoxy, Two Coats
SEAL:	
Design	Tandem Mechanical, Oil Filled Reservoir.
Material: Inboard.....	Rotating Faces - Carbon Stationary Faces - Ceramic
Material: Outboard.....	Rotating Faces - Silicon Carbide Stationary Faces - Silicon Carbide Elastomer - Buna-N Hardware - 300 Series Stainless
CORD ENTRY	Rigid quick change epoxy-potted housing
POWER CORD	CSA Certified Submersible Power Cable 2000V - Ordered Separately
SPEED	1750, 1150 or 870 RPM
UPPER BEARING:	
Design	Single Row, Ball, Oil Lubricated
Load	Radial
LOWER BEARING:	
Design	Double Row, Ball, Oil Lubricated
Load.....	Radial & Thrust
MOTOR: Design	NEMA B Three Phase Torque Curve. Oil-Filled, Squirrel Cage Induction, Inverter Duty rated per NEMA MG1
Insulation	Class H Varnish & Magnet Wire
THREE PHASE.....	Requires overload protection to be included in control panel.
MOISTURE SENSOR	Normally Open (N/O), Requires Relay in Control Panel
TEMPERATURE SENSOR	Three Normally Closed (N/C). To be wired in series with control circuit.
OPTIONAL EQUIPMENT.....	White Iron Impeller, Seal Material, Impeller Trims, Cord Length
MARKINGS	CSA
WEIGHT	1801 lbs (817 Kg)
SUBMERGENCE	Max Depth 66ft (20m)
RECOMMENDED:	
Accessories.....	Break Away Fitting (BAF) Check Valve Control Panel Moisture/Temp. Sensor Relay (Pump Monitor Relay) Leg Kit



SITHE

Series: 8SCTM

75 - 150HP, 1750RPM, 60Hz

50 - 100HP, 1150RPM, 60Hz

40HP, 870RPM, 60Hz

Sample Specifications: Section 0.2G Page G.

This product may be covered by one or more of the following patents and other patent(s) pending: US Patent 7,931,473, NZ DSN NO. 424412, NZ DSN NO. 424413, AUS DSN NO. 201812608, AUS DSN NO. 201812609, EU Design Reg. 005293040-0001

DESCRIPTION:

SUBMERSIBLE CHOPPER PUMP
DESIGNED FOR RAW SEWAGE
APPLICATIONS.



WARNING:

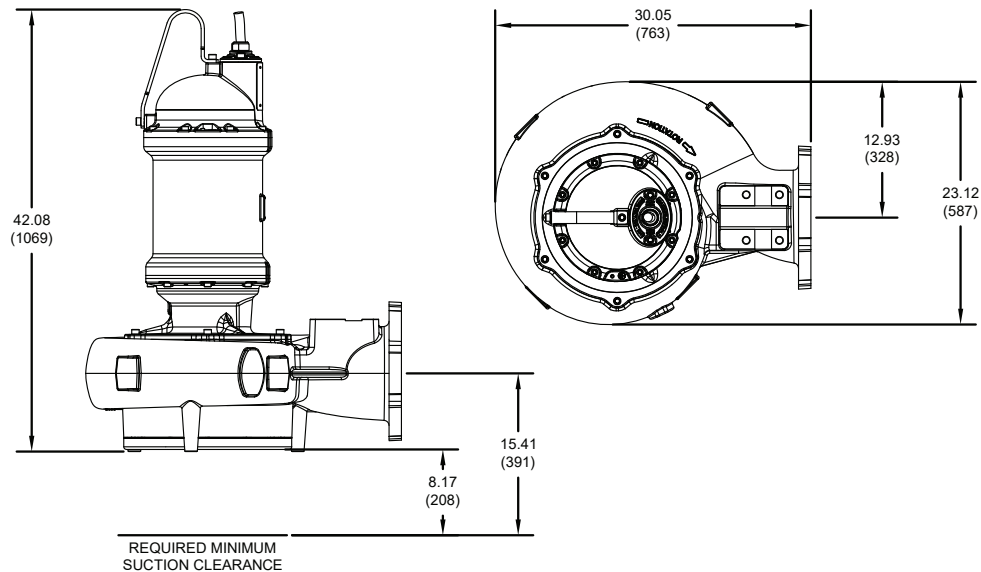
CANCER AND REPRODUCTIVE HARM -
WWW.P65WARNINGS.CA.GOV



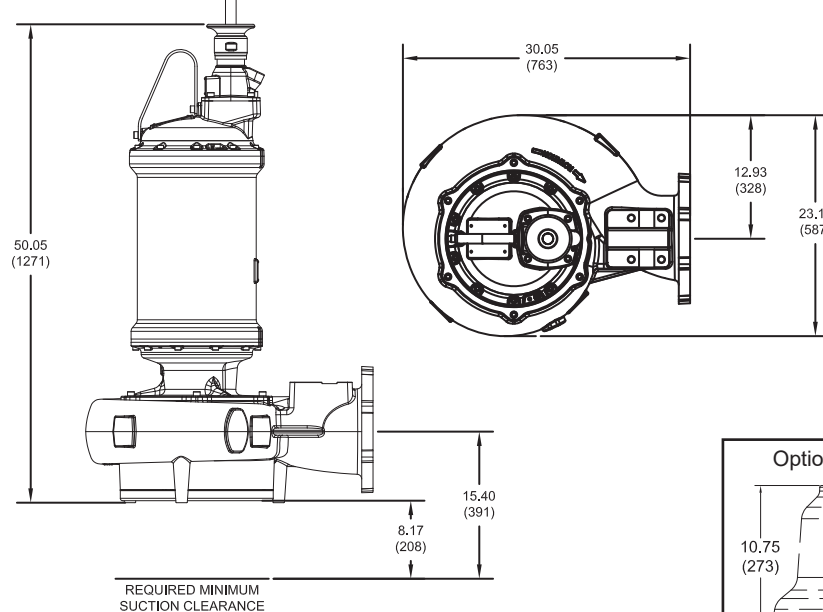
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SITHE Submersible Chopper Pumps

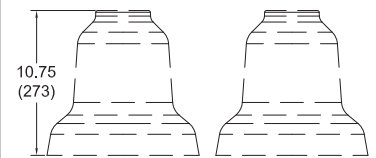
21 Frame Driver



28 Frame Driver



Optional Leg Kit - p/n 125506C

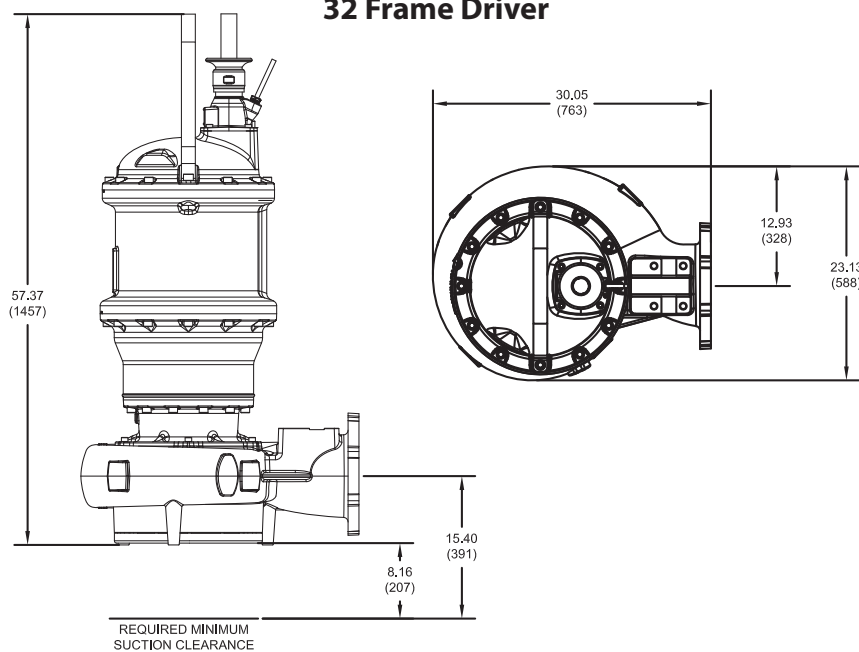


IMPORTANT !

- 1.) MOISTURE AND TEMPERATURE SENSORS MUST BE CONNECTED TO VALIDATE THE CSA LISTING.
- 2.) A SPECIAL MOISTURE SENSOR RELAY IS REQUIRED IN THE CONTROL PANEL FOR PROPER OPERATION OF THE MOISTURE SENSORS. CONTACT BARNES PUMPS FOR INFORMATION CONCERNING MOISTURE SENSING RELAYS FOR CUSTOMER SUPPLIED CONTROL PANELS.
- 3.) THESE PUMPS ARE CSA LISTED FOR PUMPING WATER AND WASTEWATER. **DO NOT USE TO PUMP FLAMMABLE LIQUIDS.**
- 4.) INSTALLATIONS SUCH AS DECORATIVE FOUNTAINS OR WATER FEATURES PROVIDED FOR VISUAL ENJOYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ANSI/NFPA 70 AND/OR THE AUTHORITY HAVING JURISDICTION. THIS PUMP IS NOT INTENDED FOR USE IN SWIMMING POOLS, RECREATIONAL WATER PARKS, OR INSTALLATIONS IN WHICH HUMAN CONTACT WITH PUMPED MEDIA IS A COMMON OCCURRENCE.
- 5.) THIS PUMP IS NOT APPROPRIATE FOR THOSE APPLICATIONS SPECIFIED AS CLASS 1 DIVISION 1 HAZARDOUS LOCATIONS.

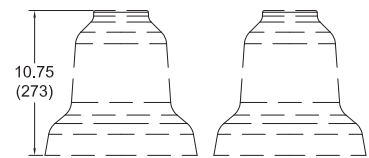
SITHE Submersible Chopper Pumps

32 Frame Driver



inches
(mm)

Optional Leg Kit - p/n 125506C



IMPORTANT !

- 1.) MOISTURE AND TEMPERATURE SENSORS MUST BE CONNECTED TO VALIDATE THE CSA LISTING.
- 2.) A SPECIAL MOISTURE SENSOR RELAY IS REQUIRED IN THE CONTROL PANEL FOR PROPER OPERATION OF THE MOISTURE SENSORS. CONTACT BARNES PUMPS FOR INFORMATION CONCERNING MOISTURE SENSING RELAYS FOR CUSTOMER SUPPLIED CONTROL PANELS.
- 3.) THESE PUMPS ARE CSA LISTED FOR PUMPING WATER AND WASTEWATER. **DO NOT USE TO PUMP FLAMMABLE LIQUIDS.**
- 4.) INSTALLATIONS SUCH AS DECORATIVE FOUNTAINS OR WATER FEATURES PROVIDED FOR VISUAL ENJOYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ANSI/NFPA 70 AND/OR THE AUTHORITY HAVING JURISDICTION. THIS PUMP IS NOT INTENDED FOR USE IN SWIMMING POOLS, RECREATIONAL WATER PARKS, OR INSTALLATIONS IN WHICH HUMAN CONTACT WITH PUMPED MEDIA IS A COMMON OCCURRENCE.
- 5.) THIS PUMP IS NOT APPROPRIATE FOR THOSE APPLICATIONS SPECIFIED AS CLASS 1 DIVISION 1 HAZARDOUS LOCATIONS.

MODEL NO	HP	VOLT	PH	Hz	RPM (Nom)	NEMA START CODE	FULL LOAD AMPS	SERVICE FACTOR	SERVICE FACTOR AMPS	LOCKED ROTOR AMPS	DRIVER FRAME	CORD P/N ▲	CORD SIZE
8SCTM60044	60.0	460	3	60	1750	E	79.0	1.2	95.5	339.0	28	138319	2/4 - 18/4
8SCTM60054	60.0	575	3	60	1750	E	63.2	1.2	76.4	271.2	28	138318	6/4 - 18/4
8SCTM75044	75.0	460	3	60	1750	G	108.4	1.15	120.7	578	32	138319	2/4 - 18/4
8SCTM75054	75.0	575	3	60	1750	G	86.7	1.15	96.6	462.4	32	138319	2/4 - 18/4
8SCTM100044	100.0	460	3	60	1750	E	136.6	1.15	155.3	578	32	138319	2/4 - 18/4
8SCTM100054	100.0	575	3	60	1750	E	109.2	1.15	124.2	462.4	32	138319	2/4 - 18/4
8SCTM125044	125.0	460	3	60	1750	F	169.4	1.15	191.5	800.0	32	138320	10/4 - 18/4
8SCTM125054	125.0	575	3	60	1750	F	135.6	1.15	153.2	640.0	32	138319	2/4 - 18/4
8SCTM150044	150.0	460	3	60	1750	D	187.0	1.0	187.0	800.0	32	138320	10/4 - 18/4
8SCTM150054	150.0	575	3	60	1750	D	159.5	1.0	159.5	640.0	32	138320	10/4 - 18/4
SCTM Pump													
8SCTM200096*	20.0	208	3	60	1150	H	60.3	1.2	71.5	354.0	28	138318	6/4 - 18/4
		230					57.2	1.2	69.8				
8SCTM20046*	20.0	460	3	60	1150	E	28.6	1.2	34.9	124.3	21	125499	8/4 - 18/4
8SCTM20056*	20.0	575	3	60	1150	E	22.9	1.2	27.9	99.4	21	125497	12/4 - 18/4
8SCTM25096	25.0	208	3	60	1150	G	75.2	1.2	90.8	354.0	28	138319	2/4 - 18/4
		230					70.8	1.2	82.6				
8SCTM25046	25.0	460	3	60	1150	G	35.4	1.2	41.3	177.0	28	138317	8/4 - 18/4
8SCTM25056	25.0	575	3	60	1150	G	28.3	1.2	33.0	141.6	28	138317	8/4 - 18/4
8SCTM30096	30.0	208	3	60	1150	E	90.8	1.2	114.9	354.0	28	138319	2/4 - 18/4
		230					82.6	1.2	99.7				
8SCTM30046	30.0	460	3	60	1150	E	41.3	1.2	49.9	177.0	28	138317	8/4 - 18/4
8SCTM30056	30.0	575	3	60	1150	E	33.0	1.2	39.9	141.6	28	138317	8/4 - 18/4
8SCTM40036	40.0	230	3	60	1150	E	110.4	1.2	131.8	476.0	28	138319	2/4 - 18/4
8SCTM40046	40.0	460	3	60	1150	E	55.2	1.2	65.9	238.0	28	138318	6/4 - 18/4
8SCTM40056	40.0	575	3	60	1150	E	44.2	1.2	52.7	190.4	28	138317	8/4 - 18/4
8SCTM50046	50.0	460	3	60	1150	H	76.4	1.15	84.0	400.0	32	138318	6/4 - 18/4
8SCTM50056	50.0	575	3	60	1150	H	61.2	1.15	67.2	320.0	32	138318	6/4 - 18/4
8SCTM60046	60.0	460	3	60	1150	F	86.7	1.15	96.8	400.0	32	138319	2/4 - 18/4
8SCTM60056	60.0	575	3	60	1150	F	69.4	1.15	77.4	320.0	32	138318	6/4 - 18/4
8SCTM75046	75.0	460	3	60	1150	H	109.3	1.15	119.5	612.0	32	138319	2/4 - 18/4
8SCTM75056	75.0	575	3	60	1150	H	87.4	1.15	95.6	489.6	32	138319	2/4 - 18/4
8SCTM100046	100.0	460	3	60	1150	E	135.0	1.0	135.0	612.0	32	138319	2/4 - 18/4
8SCTM100056	100.0	575	3	60	1150	E	108.0	1.0	108.0	489.6	32	138319	2/4 - 18/4

IMPORTANT !

Moisture and Temperature sensor leads are integral to power cord.

Pump rated for operation at ± 10% voltage at motor.

▲ Cord Suffix: XF - 50 Feet, XJ - 75 Feet, or XL - 100 Feet.

▲ Cord sold separately.

* Select impeller diameter when ordering.

SITHE Submersible Chopper Pumps

MODEL NO	HP	VOLT	PH	Hz	RPM (Nom)	NEMA START CODE	FULL LOAD AMPS	SERVICE FACTOR	SERVICE FACTOR AMPS	LOCKED ROTOR AMPS	DRIVER FRAME	CORD P/N ▲	CORD SIZE
8SCTM7598*	7.5	208 230	3	60	870	L	32.0 34.6	1.2	35.0 36.9	230.0	28	138317	8/4 - 18/4
8SCTM7548*	7.5	460	3	60	870	L	17.3	1.2	18.5	115.0	28	138317	8/4 - 18/4
8SCTM7658*	7.5	575	3	60	870	L	13.9	1.2	14.8	92.0	28	138317	8/4 - 18/4
8SCTM10098	10.0	208 230	3	60	870	L	37.2 38.6	1.2	42.0 42.2	230.0	28	138317	8/4 - 18/4
8SCTM10048	10.0	460	3	60	870	L	19.3	1.2	21.1	115.0	28	138317	8/4 - 18/4
8SCTM10058	10.0	575	3	60	870	L	15.4	1.2	16.9	92.0	28	138317	8/4 - 18/4
8SCTM15098	15.0	208 230	3	60	870	G	50.4 48.4	1.2	59.0 55.6	230.0	28	138317	8/4 - 18/4
8SCTM15048	15.0	460	3	60	870	G	24.2	1.2	27.8	115.0	28	138317	8/4 - 18/4
8SCTM15058	15.0	575	3	60	870	G	19.4	1.2	22.2	92.0	28	138317	8/4 - 18/4
8SCTM20098	20.0	208 230	3	60	870	J	69.0 75.1	1.2	76.0 79.0	400.0	28	138318	6/4 - 18/4
8SCTM20048	20.0	460	3	60	870	J	37.6	1.2	41.1	200.0	28	138317	8/4 - 18/4
8SCTM20058	20.0	575	3	60	870	J	30.1	1.2	32.9	160.0	28	138317	8/4 - 18/4
8SCTM25098	25.0	208 230	3	60	870	H	82.3 84.0	1.2	98.8 94.5	400.0	28	138319	2/4 - 18/4
8SCTM25048	25.0	460	3	60	870	H	42.0	1.2	47.2	200.0	28	138317	8/4 - 18/4
8SCTM25058	25.0	575	3	60	870	H	33.6	1.2	37.8	160.0	28	138317	8/4 - 18/4
8SCTM30098	30.0	208 230	3	60	870	F	98.8 94.5	1.2	124.1 108.6	400.0	28	138319	2/4 - 18/4
8SCTM30048	30.0	460	3	60	870	F	47.2	1.2	54.3	200.0	28	138317	8/4 - 18/4
8SCTM30058	30.0	575	3	60	870	F	37.8	1.2	43.5	160.0	28	138317	8/4 - 18/4
8SCTM40048	40.0	460	3	60	870	F	62.2	1.15	69.4	275.0	32	138318	6/4 - 18/4
8SCTM40058	40.0	575	3	60	870	F	49.8	1.15	55.5	220.0	32	138317	8/4 - 18/4

IMPORTANT !

Moisture and Temperature sensor leads are integral to power cord.

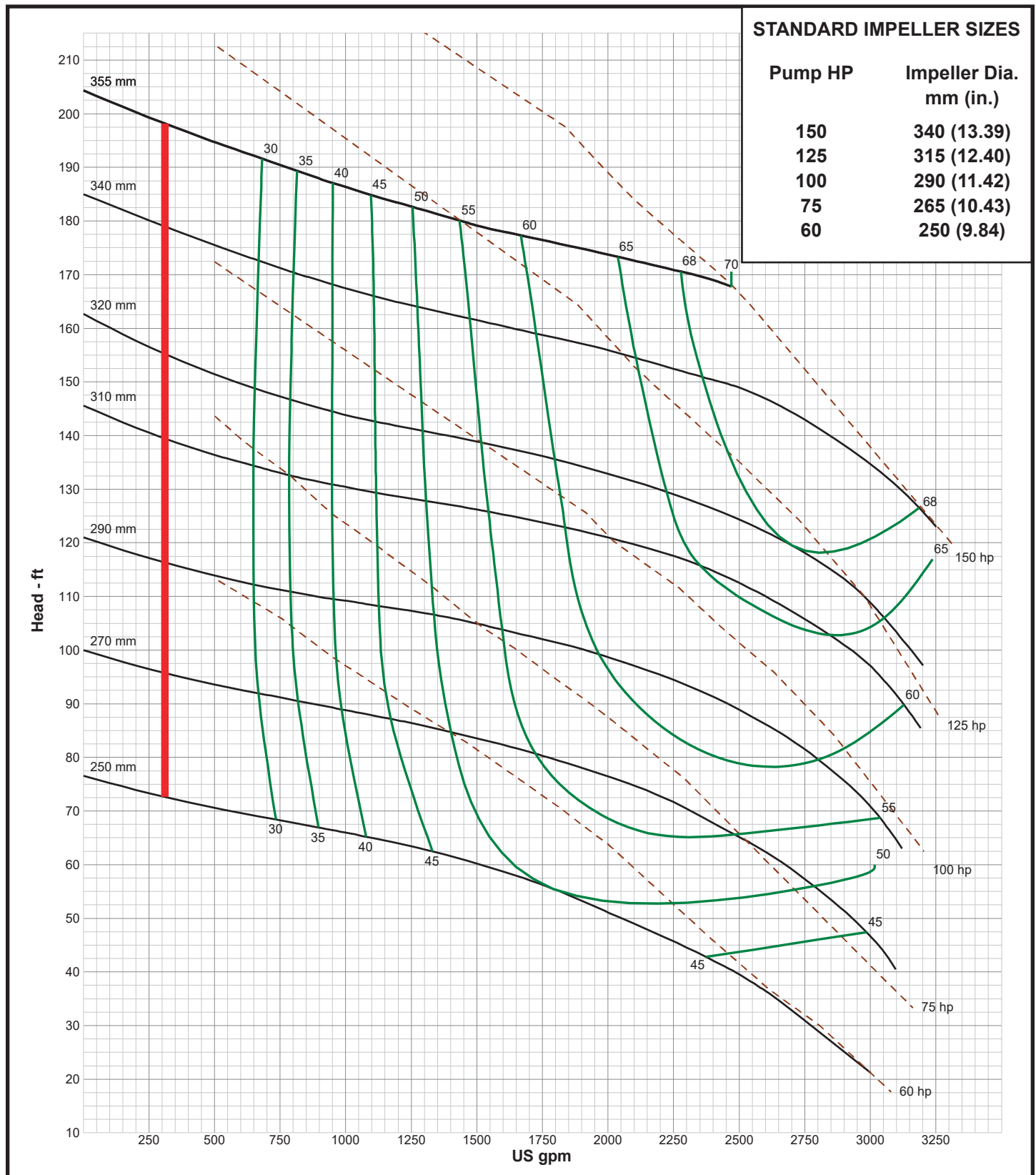
Pump rated for operation at ± 10% voltage at motor.

▲ Cord Suffix: XF - 50 Feet, XJ - 75 Feet, or XL - 100 Feet.

▲ Cord sold separately.

* Select impeller diameter when ordering.

SITHE Submersible Chopper Pumps



Series 8SCTM

Performance Curve

20 - 100HP, 1150RPM, 60Hz

BARNES®

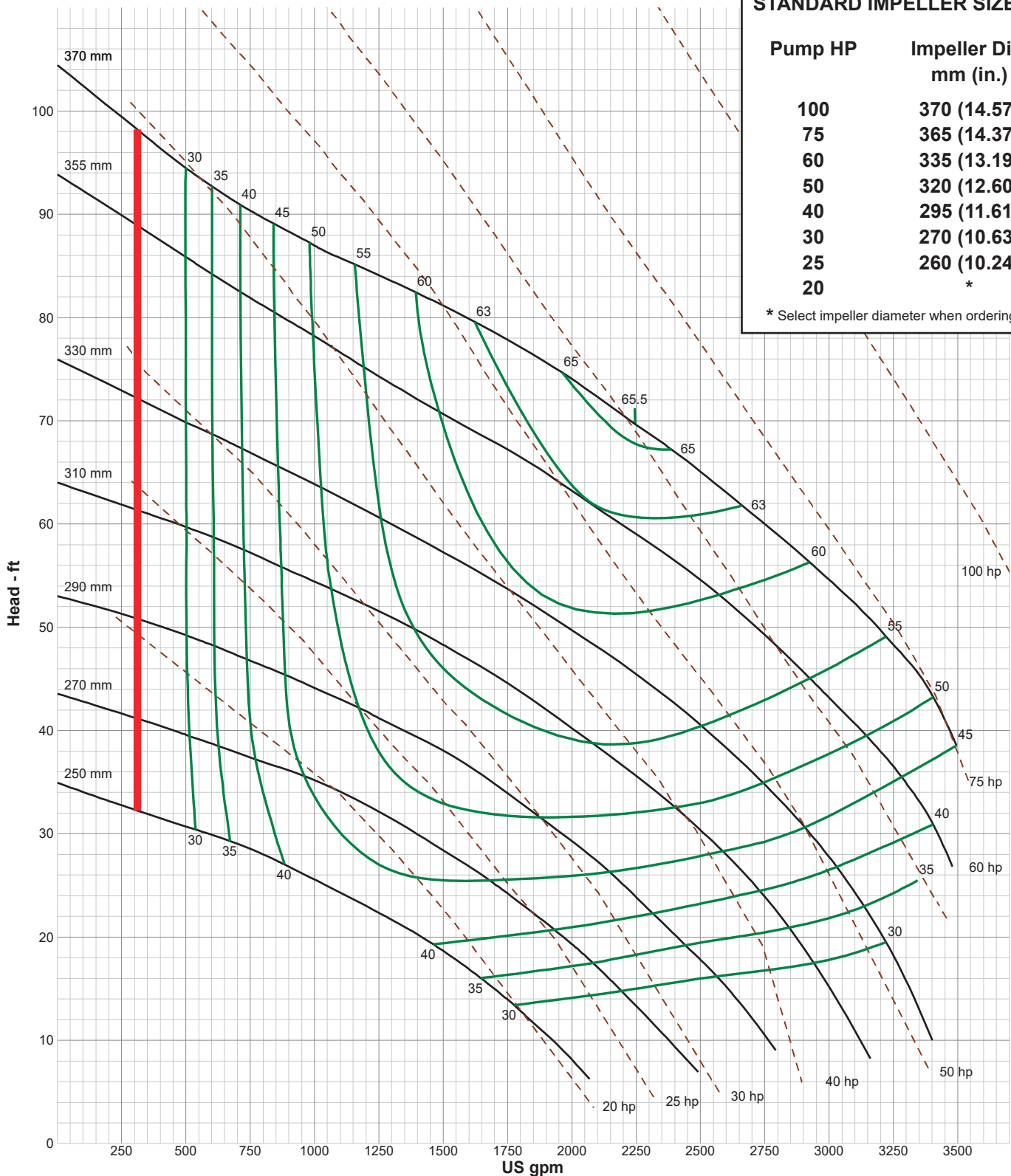
www.cranepumps.com

SITHE Submersible Chopper Pumps

STANDARD IMPELLER SIZES

Pump HP	Impeller Dia. mm (in.)
100	370 (14.57)
75	365 (14.37)
60	335 (13.19)
50	320 (12.60)
40	295 (11.61)
30	270 (10.63)
25	260 (10.24)
20	*

* Select impeller diameter when ordering



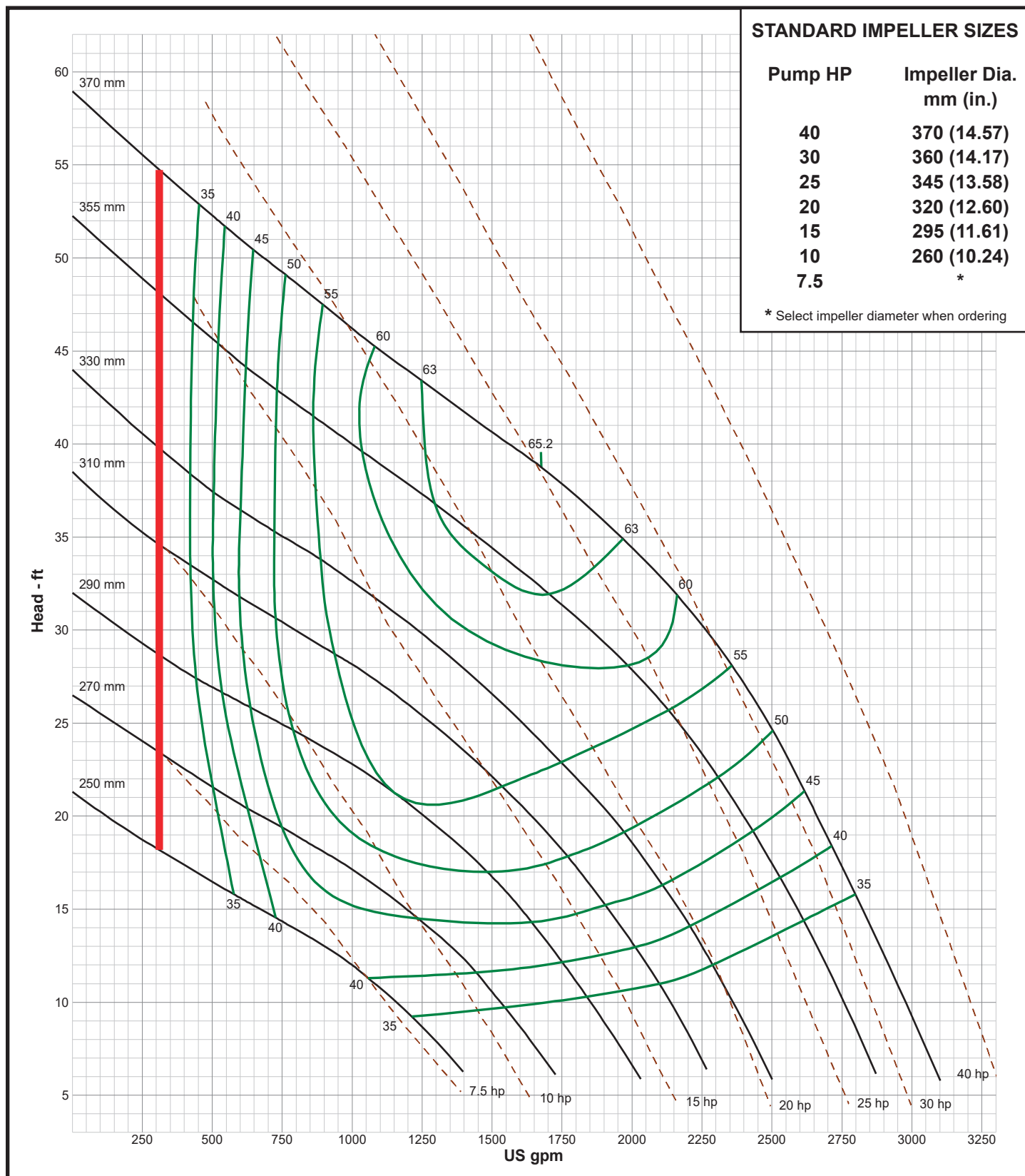
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PUMPS & SYSTEMS

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