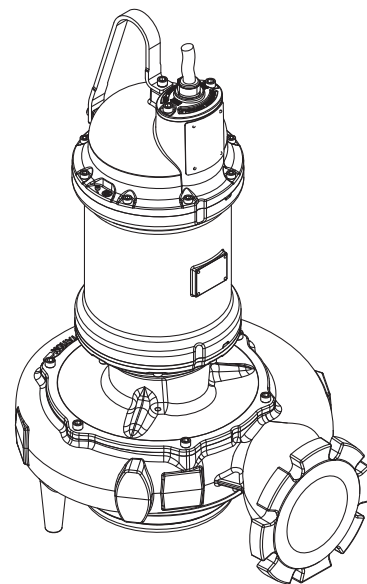


Specifications:

DISCHARGE	6", 125 lb. Horizontal Flange Slotted to accommodate 150mm 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 6" 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:	
<i>Design</i>	Enclosed Monovane, With Pump Out Vaness on Back Side. Dynamically Balanced ISO G6.3
<i>Material</i>	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:	
<i>Design</i>	Tandem Mechanical, Oil Filled Reservoir.
<i>Material: Inboard</i>	Rotating Faces - Carbon Stationary Faces - Ceramic
<i>Material: Outboard</i>	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	1750 or 1150RPM
UPPER BEARING:	
<i>Design</i>	Single Row, Ball, Oil Lubricated
<i>Load</i>	Radial
LOWER BEARING:	
<i>Design</i>	Double Row, Ball, Oil Lubricated
<i>Load</i>	Radial & Thrust
MOTOR:	
<i>Design</i>	NEMA B Three Phase Torque Curve. Oil-Filled, Squirrel Cage Induction, Inverter Duty rated per NEMA MG1
<i>Insulation</i>	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 (MAX)	706 lbs (321 Kg)
NOISE EMISSION MAX	In-Air 64 dB-A
SUBMERGENCE	Max Depth 66ft (20m)

RECOMMENDED:

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

Series: 6SCM

15 - 30HP, 1750RPM, 60Hz

7.5 - 20HP, 1150RPM, 60Hz

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

DESCRIPTION:

SUBMERSIBLE CHOPPER PUMP
DESIGNED FOR RAW SEWAGE
APPLICATIONS.



WARNING:

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

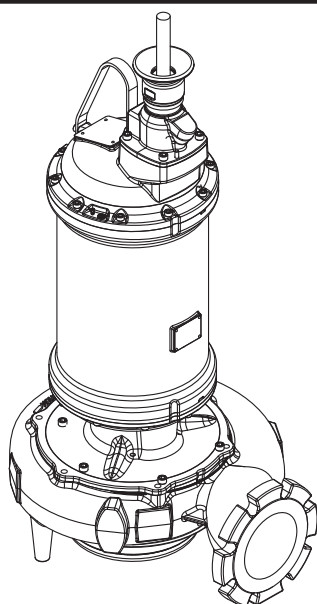
Series 6SCM

28 Frame Driver

BARNES®

www.cranepumps.com

SITHE Submersible Chopper Pumps



SITHE

Series: 6SCM

20 - 60HP, 1750RPM, 60Hz

20 - 30HP, 1150RPM, 60Hz

This product may be covered by one or more of the following patents and other patent(s) pending: NZ DSN NO. 424412, NZ DSN NO. 424413, AUS DSN NO. 201812608, AUS DSN NO. 201812609

DESCRIPTION:

SUBMERSIBLE CHOPPER PUMP
DESIGNED FOR RAW SEWAGE
APPLICATIONS.



WARNING:

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

Specifications:

DISCHARGE	6", 125 lb. Horizontal Flange Slotted to accommodate 150mm 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 6" 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 Monovane, With Pump Out Vanes 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 or 1150RPM
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 (MAX).....	914 lbs (415 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
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SECTION 0.2E
PAGE 2
DATE 2/19

CRANE®

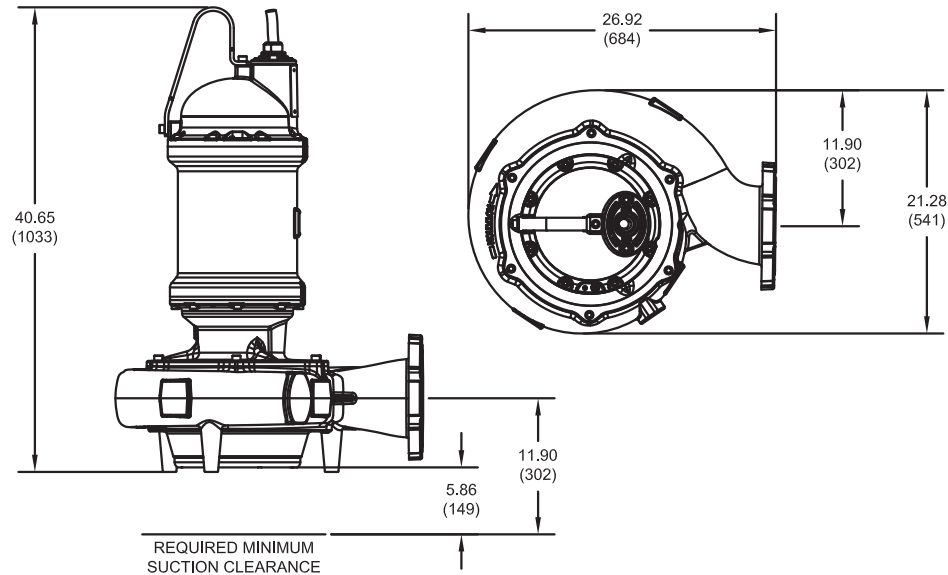
A Crane Co. Company

PUMPS & SYSTEMS

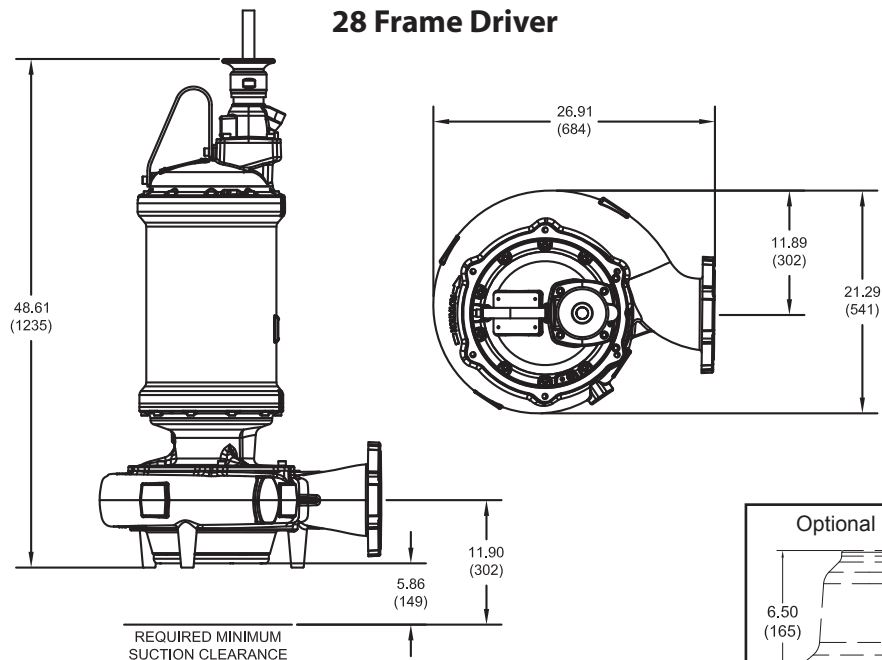
USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

SITHE Submersible Chopper Pumps

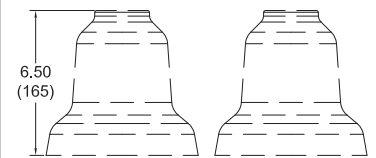
21 Frame Driver



28 Frame Driver



Optional Leg Kit - p/n 125506B



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 I DIVISION 1 HAZARDOUS LOCATIONS.

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
6SCMN20064	20.0	208	3	60	1750	G	63.0	1.2	74.6	323.0	28	138318	6/4 - 18/4
6SCMN20084	20.0	230	3	60	1750	J	53.7	1.2	59.0	383.9	21	125498	8/4 - 18/4
6SCMN20054	20.0	460	3	60	1750	J	26.9	1.2	29.9	153.5	21	125497	12/4 - 18/4
6SCMN25094	25.0	575	3	60	1750	G	21.5	1.2	23.9	359.0	28	138319	2/4 - 18/4
6SCMN25044	25.0	208	3	60	1750	G	77.8	1.2	93.4	191.9	21	125499	8/4 - 18/4
6SCMN25054	25.0	230	3	60	1750	G	71.4	1.2	82.3	153.5	21	125497	12/4 - 18/4
6SCMN30094	30.0	460	3	60	1750	E	33.2	1.2	38.9	359.0	28	138319	2/4 - 18/4
6SCMN30044	30.0	575	3	60	1750	F	26.6	1.2	31.1	191.9	21	125499	8/4 - 18/4
6SCMN30054	30.0	208	3	60	1750	F	93.4	1.2	116.9	153.5	21	125497	12/4 - 18/4
6SCMN30044	30.0	230	3	60	1750	F	82.3	1.2	98.7	359.0	28	138319	2/4 - 18/4
6SCMN30054	30.0	460	3	60	1750	F	38.9	1.2	45.9	191.9	21	125499	8/4 - 18/4
6SCMN30054	30.0	575	3	60	1750	F	31.1	1.2	36.7	153.5	21	125499	8/4 - 18/4
SITHE SCMN Pump													
6SCMN75N6	7.5	208	3	60	1150	J	24.9	1.2	29.6	137.6	21	125496	12/4 - 18/4
6SCMN7556	7.5	230	3	60	1150	J	24.0	1.2	27.6	68.8	21	125497	12/4 - 18/4
6SCMN100N6	10.0	460	3	60	1150	F	12.0	1.2	13.8	55.0	21	125497	12/4 - 18/4
6SCMN10056	10.0	575	3	60	1150	F	9.6	1.2	11.0	137.6	21	125498	8/4 - 18/4
6SCMN10056	10.0	208	3	60	1150	F	32.9	1.2	41.0	68.8	21	125497	12/4 - 18/4
6SCMN10056	10.0	230	3	60	1150	F	30.2	1.2	35.8	55.0	21	125497	12/4 - 18/4
6SCMN10056	10.0	460	3	60	1150	F	15.1	1.2	17.9	137.6	21	125498	8/4 - 18/4
6SCMN10056	10.0	575	3	60	1150	F	12.1	1.2	14.3	68.8	21	125497	12/4 - 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.

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
6SCMH30094	30.0	208 230	3	60	1750	E	93.4 82.3	1.2 1.2	116.9 98.7	359.0	28	138319	2/4 - 18/4
6SCMH30044	30.0	460	3	60	1750	F	38.9	1.2	45.9	191.9	21	125499	8/4 - 18/4
6SCMH30054	30.0	575	3	60	1750	F	31.1	1.2	36.7	153.5	21	125499	8/4 - 18/4
6SCMH40034	40.0	230	3	60	1750	E	106.0	1.2	126.4	486.0	28	138319	2/4 - 18/4
6SCMH40044	40.0	460	3	60	1750	E	53.0	1.2	63.2	243.0	28	138318	6/4 - 18/4
6SCMH40054	40.0	575	3	60	1750	E	42.4	1.2	50.6	194.4	28	138317	8/4 - 18/4
6SCMH50044	50.0	460	3	60	1750	F	67.1	1.2	79.0	339.0	28	138318	6/4 - 18/4
6SCMH50054	50.0	575	3	60	1750	F	53.7	1.2	63.2	271.2	28	138318	6/4 - 18/4
SITHE SCM Pump													
6SCMH75N6	7.5	208 230 460	3	60	1150	J	24.9 24.0 12.0	1.2 1.2 1.2	29.6 27.6 13.8	137.6 68.8	21	125496 125497	12/4 - 18/4
6SCMH7556	7.5	575	3	60	1150	J	9.6	1.2	11.0	55.0	21	125497	12/4 - 18/4
6SCMH100N6	10.0	208 230 460	3	60	1150	F	32.9 30.2 15.1	1.2 1.2 1.2	41.0 35.8 17.9	137.6 68.8	21	125498 125497	8/4 - 18/4 12/4 - 18/4
6SCMH10056	10.0	575	3	60	1150	F	12.1	1.2	14.3	55.0	21	125497	12/4 - 18/4
6SCMH150N6	15.0	208 230 460	3	60	1150	H	47.0 44.1 22.0	1.2 1.2 1.2	56.8 51.4 25.7	248.6 124.3	21	125498 125497	8/4 - 18/4 12/4 - 18/4
6SCMH15056	15.0	575	3	60	1150	H	17.6	1.2	20.6	99.4	21	125497	12/4 - 18/4
6SCMH20096	20.0	208 230	3	60	1150	H	60.3 57.2	1.2 1.2	71.5 69.8	354.0	28	138318	6/4 - 18/4
6SCMH20046	20.0	460	3	60	1150	E	28.6	1.2	34.9	124.3	21	125499	8/4 - 18/4
6SCMH20056	20.0	575	3	60	1150	E	22.9	1.2	27.9	99.4	21	125497	12/4 - 18/4

IMPORTANT !

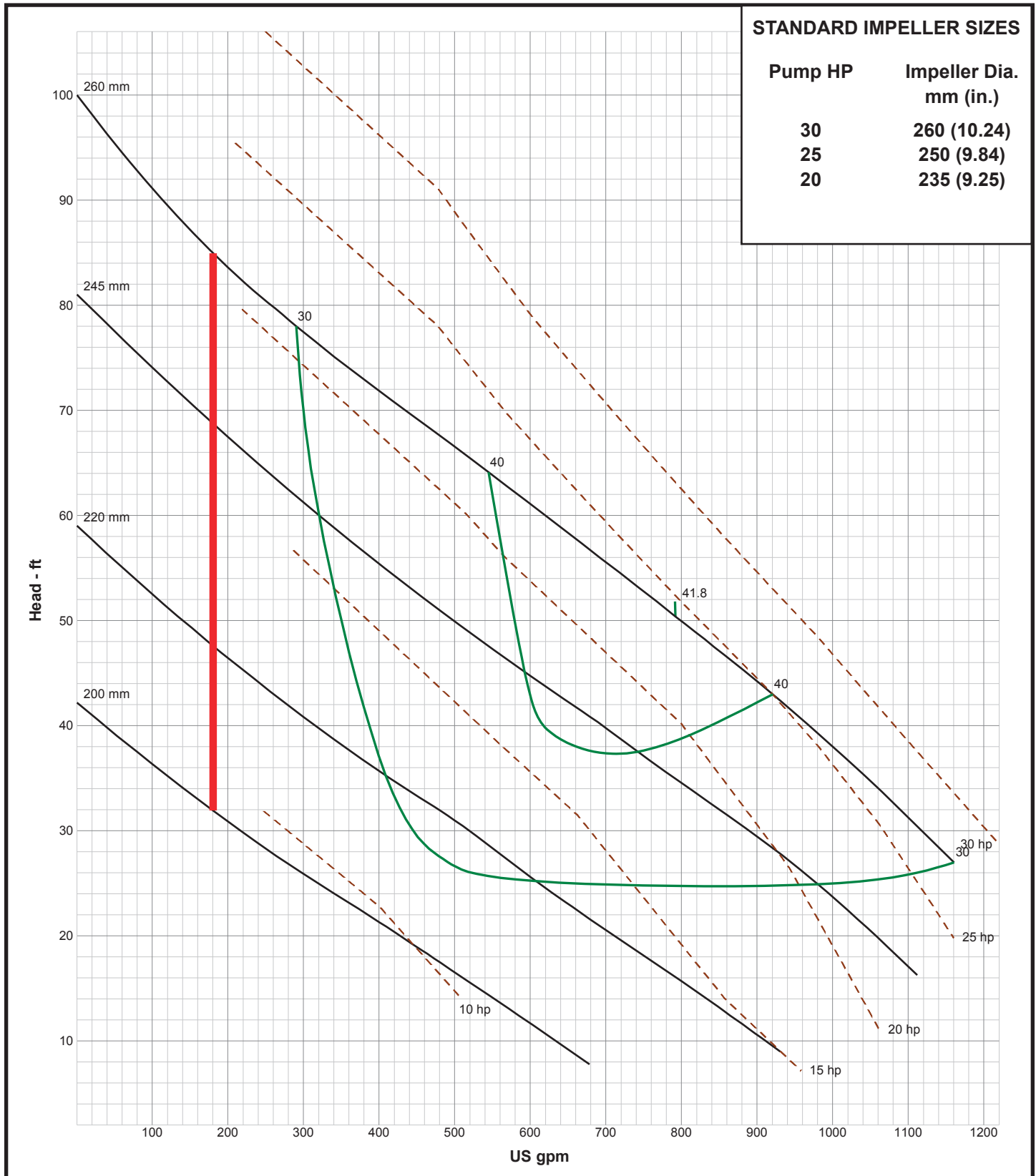
Moisture and Temperature sensor leads are integral to power cord.
Pump rated for operation at ± 10% voltage at motor.
▲ Cord Suffix: XF - 50 Feet, XJ - 75 Feet, or XL - 100 Feet.
▲ Cord sold separately.

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
6SCMJ50044	50.0	460	3	60	1750	F	67.1	1.2	79.0	339.0	28	138318	6/4 - 18/4
6SCMJ50054	50.0	575	3	60	1750	F	53.7	1.2	63.2	271.2	28	138319	2/4 - 18/4
6SCMJ60044	60.0	460	3	60	1750	E	79.0	1.2	95.5	339.0	28	138318	6/4 - 18/4
6SCMJ60054	60.0	575	3	60	1750	E	63.2	1.2	76.4	271.2	28	138318	6/4 - 18/4
SITHE SCMJ Pump													
6SCMJ150N6	15.0	208	3	60	1150	H	47.0	1.2	56.8	248.6	21	125498	8/4 - 18/4
		230					44.1	1.2	51.4				
		460					22.0	1.2	25.7				
6SCMJ115056	15.0	575	3	60	1150	H	17.6	1.2	20.6	99.4	21	125497	12/4 - 18/4
6SCMJ20096	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				
6SCMJ20046	20.0	460	3	60	1150	E	28.6	1.2	34.9	124.3	21	125499	8/4 - 18/4
6SCMJ20056	20.0	575	3	60	1150	E	22.9	1.2	27.9	99.4	21	125497	12/4 - 18/4
6SCMJ25096	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				
6SCMJ25046	25.0	460	3	60	1150	G	35.4	1.2	41.3	177.0	28	138317	8/4 - 18/4
6SCMJ25056	25.0	575	3	60	1150	G	28.3	1.2	33.0	141.6	28	138317	8/4 - 18/4
		208					90.8	1.2	114.9				
6SCMJ30096	30.0	208	3	60	1150	E	82.6	1.2	99.7	354.0	28	138319	2/4 - 18/4
		230					41.3	1.2	49.9				
6SCMJ30046	30.0	460	3	60	1150	E	41.3	1.2	49.9	177.0	28	138317	8/4 - 18/4
6SCMJ30056	30.0	575	3	60	1150	E	33.0	1.2	39.9	141.6	28	138317	8/4 - 18/4

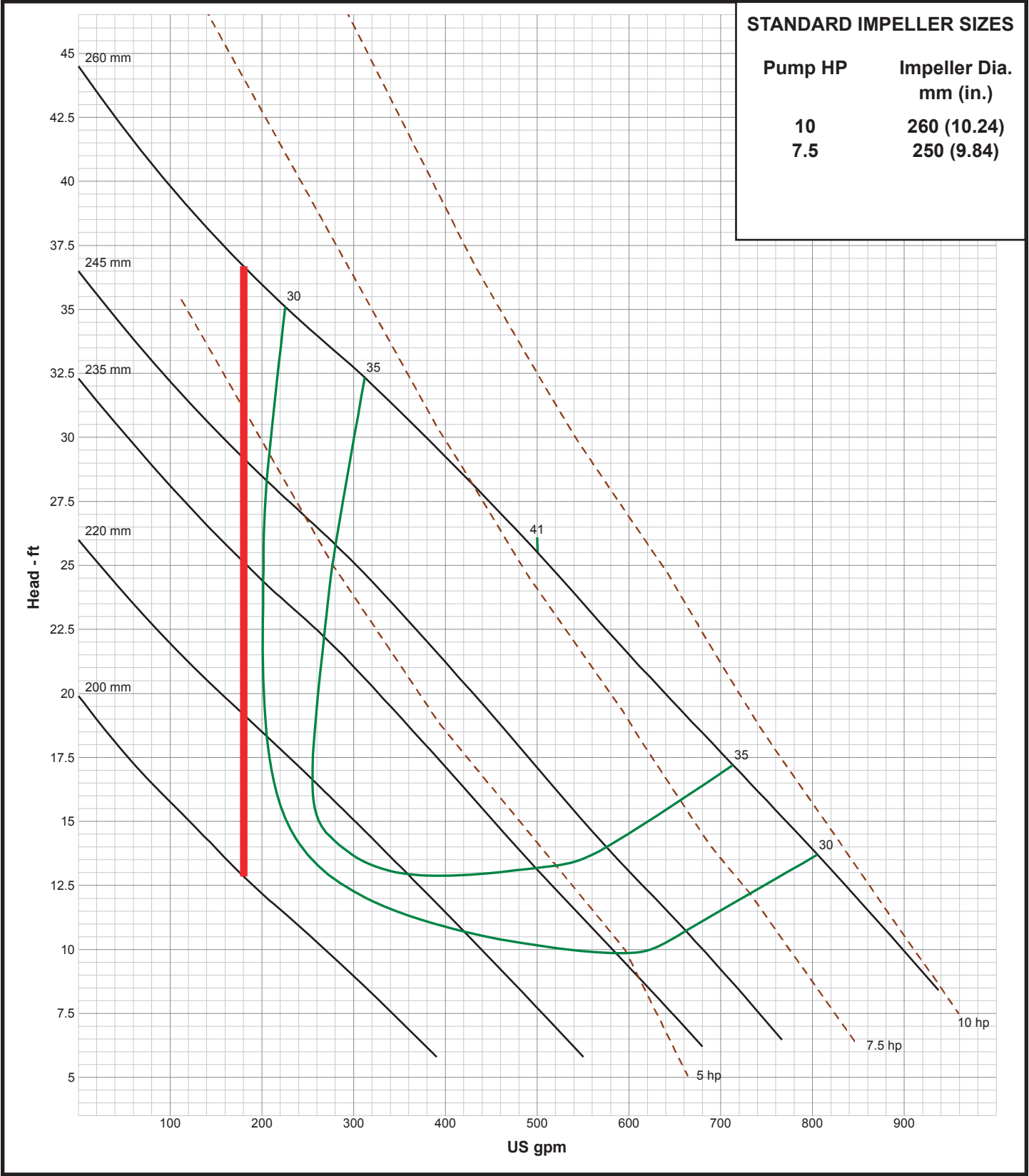
IMPORTANT !
Moisture and Temperature sensor leads are integral to power cord.
Pump rated for operation at ± 10% voltage at motor.
▲ Cord Suffix: XF - 50 Feet, XJ - 75 Feet, or XL - 100 Feet.
▲ Cord sold separately.

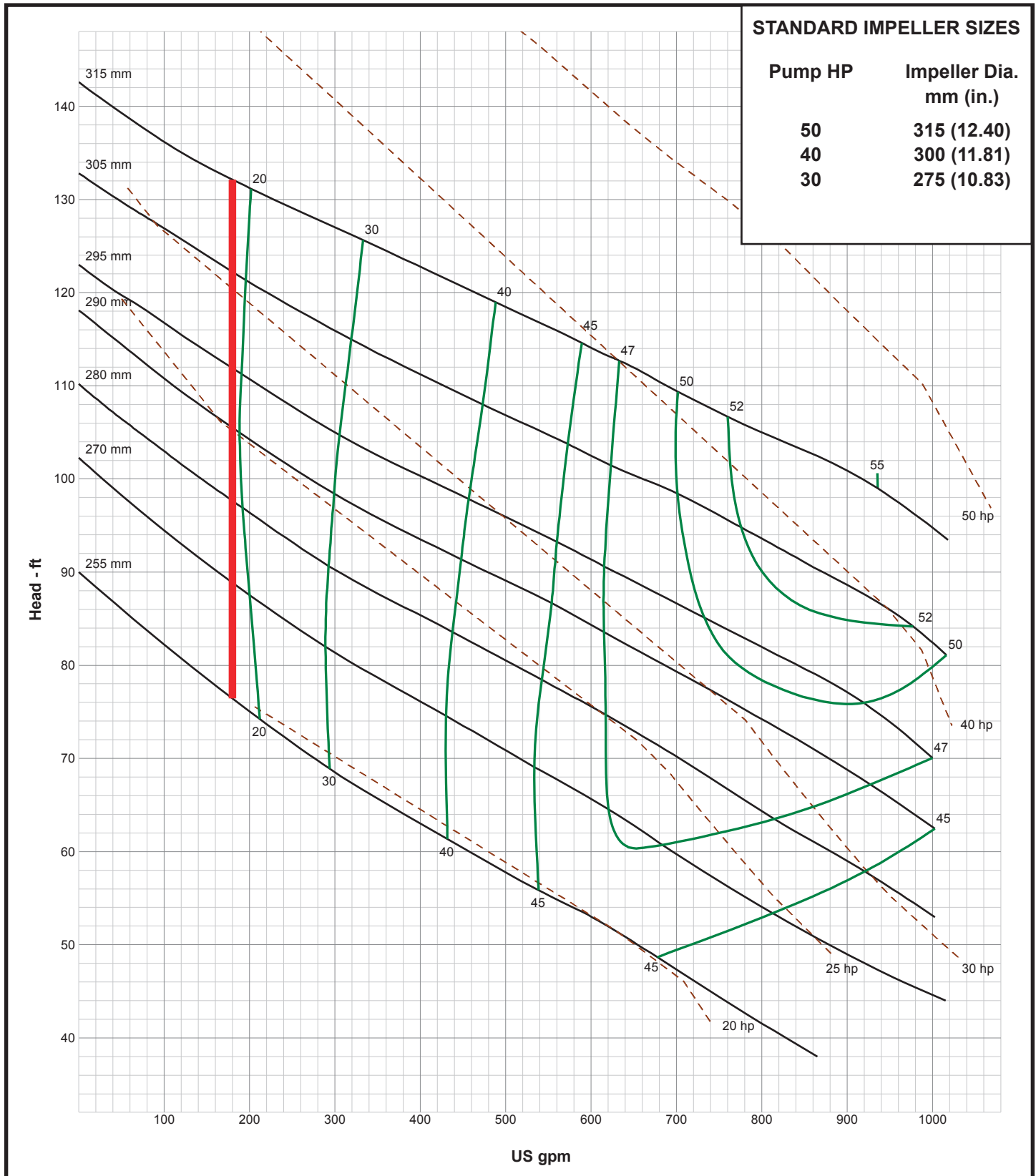


Series 6SCMN

Performance Curve
7.5 - 10HP, 1150RPM, 60Hz

SITHE Submersible Chopper Pumps

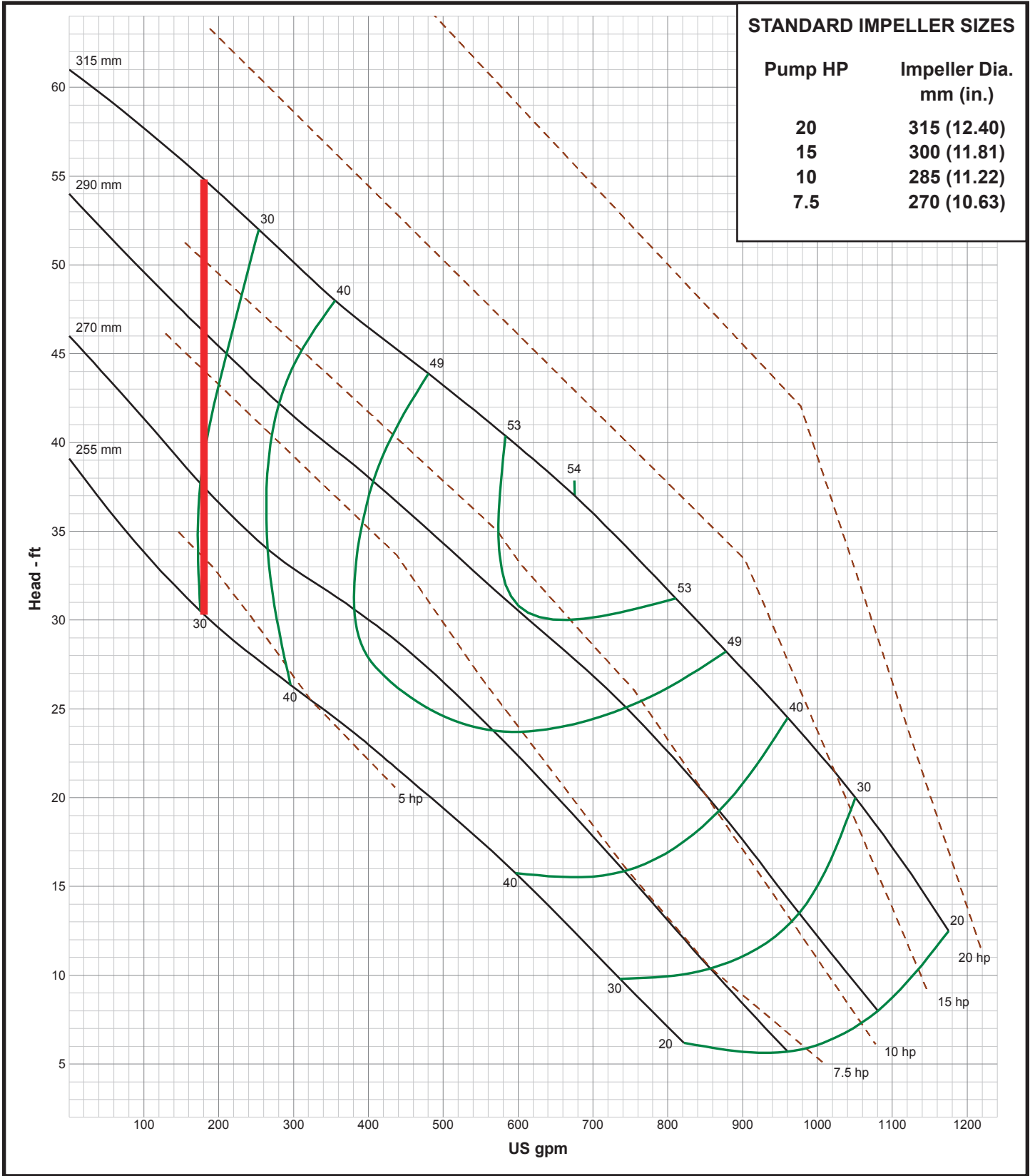


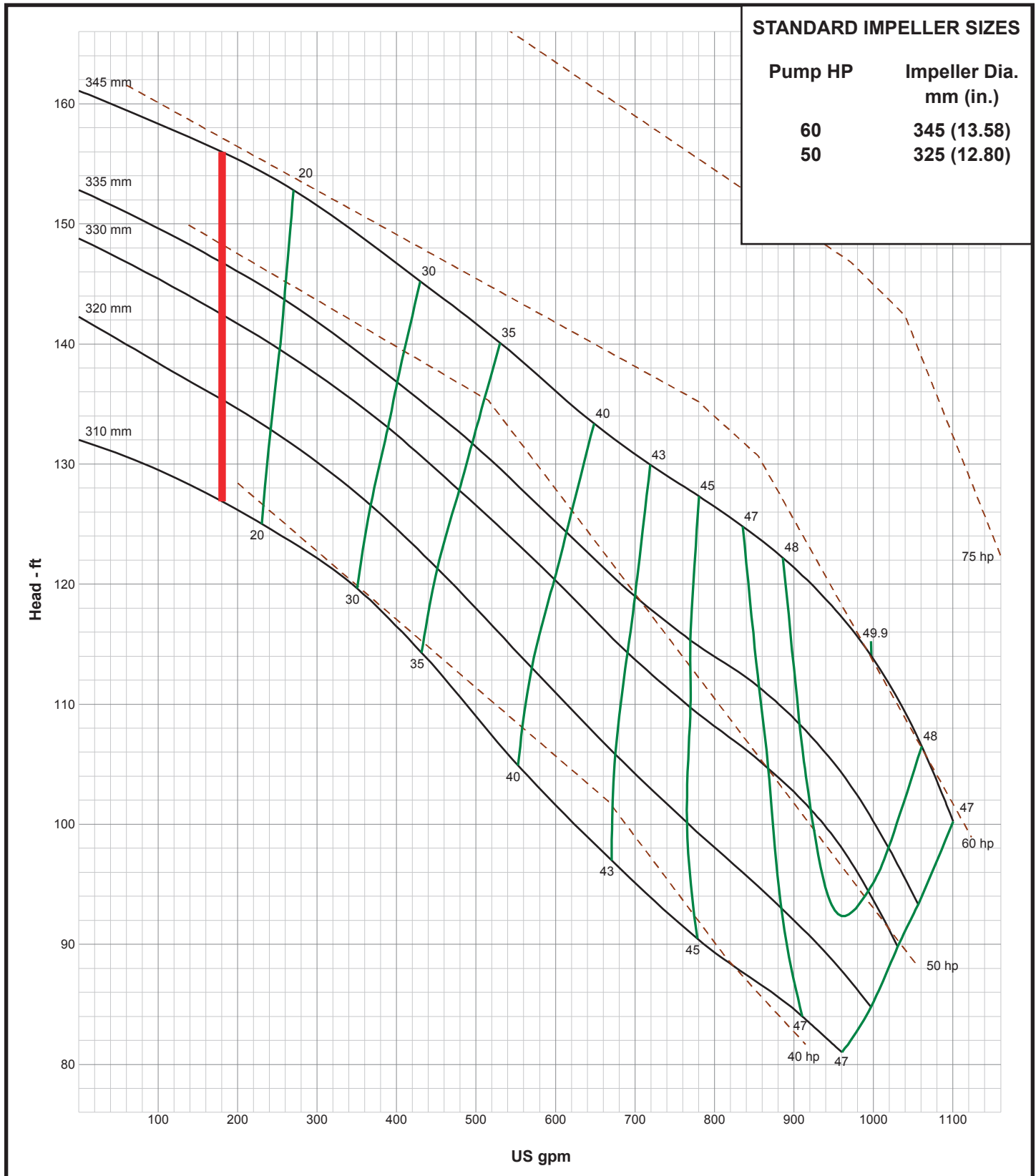


Series 6SCMH

Performance Curve
7.5 - 20HP, 1150RPM, 60Hz

SITHE Submersible Chopper Pumps





Series 6SCMJ

Performance Curve
15 - 30HP, 1150RPM, 60Hz

SITHE Submersible Chopper Pumps

