HYDRAULIC EQUIPMENT BOOKLET

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HS Series Standard (Fixed) Guard FEATURES

- Single trigger
- Lightweight aluminum frame
- Overhung load adapter
- Manual water valve
- Casappa® hydraulic motor
- Down cut

HS SERIES-FLUSH CUT WITHOUT COVERS				
Blade Capacity/ Guard Type	(GPM) Gallons Per Minute	Part #	Cat #	Product Weight (lbs)
20" Flush Cut	8 gpm	5801371	71058	31
20" Flush Cut	10 gpm	5801372	50463	31
20" Flush Cut	12 gpm	5801373	94878	31
20" Flush Cut	15 gpm	5801374	81451	31
24" Flush Cut	8 gpm	5801375	50465	34
24" Flush Cut	10 gpm	5801376	50319	34
24" Flush Cut	12 gpm	5801377	94076	34
24" Flush Cut	15 gpm	5801378	80458	34
Cover for Flush Cut 20" hand saw		2502559	80750	4
Cover for Flush Cut 24" hand saw		2503508	87129	5

HS Series Flush Cut without Cover FEATURES

- Single trigger
- Light weight aluminum frame
- Overhung load adapter
- Manual water valve
- Casappa® hydraulic motor
- Down cut
- Flush cut hub
- Bolt on blade guard optional

HS SERIES-STANDARD GUARD				
Standard Blade Capacity	(GPM) Gallons Per Minute	Part #	Cat #	Product Weight (lbs)
16"	10 gpm	5801360	68005	31
16"	12 gpm	5801361	15210	31
16"	15 gpm	5801362	35393	31
20"	8 gpm	5801363	91407	33
20"	10 gpm	5801364	95255	33
20"	12 gpm	5801365	86118	33
20"	15 gpm	5801366	80760	33
24"	8 gpm	5801367	97183	37
24"	10 gpm	5801368	50461	37
24"	12 gpm	5801369	92375	37
24"	15 gpm	5801370	80466	37

Hand saw carts make horizontal cutting easier and eases operator fatigue
FLUSH CUT ONLY

CARTS FOR HS SERIES FLUSH CUT HAND SAWS			
Description	Part #	Cat #	Product Weight (lbs)
Cart-20" Hydraulic Hand Saw	6087146	25538	45
Cart-21" Hydraulic Hand Saw	6087148	17624	46
Cart-24" Hydraulic Hand Saw	6087147	21803	48
Cart-25" Hydraulic Hand Saw	6087149	76037	50

Pro Series Flush Cut

FEATURES

- Dual trigger
- Light weight aluminum frame
- Trigger activated water valve
- Overhung load adapter
- Casappa® hydraulic motor
- Down cut
- Flush cut with removable guard
- 24.00" whip hoses included

PRO SERIES HYDRAULIC FLUSH CUT				
Flush Cut Blade Capacity	(GPM) Gallons Per Minute	Part #	Cat #	Product Weight (lbs)
21"	8 gpm	5800850	03958	39
21"	10 gpm	5800851	07210	39
21"	12 gpm	5800852	05818	39
21"	15 gpm	5800853	15005	39
25"	8 gpm	5800854	08693	41
25"	10 gpm	5800855	15199	41
25"	12 gpm	5800856	06345	41
25"	15 gpm	5800857	15201	41

HS Series Light Weight Standard (Fixed) Guard

FEATURES

- Single trigger
- Light weight aluminum frame
- Manual water valve
- Casappa® hydraulic motor
- Down cut
- Our lightest weighing hydraulic hand saw

PRO SERIES LIGHT WEIGHT-FLUSH CUT				
Blade Capacity/ Guard Type	(GPM) Gallons Per Min	Part #	Cat #	Product Weight (lbs)
21" Flush Cut	8 gpm	5800860	14392	35
21" Flush Cut	10 gpm	5800861	14393	35
21" Flush Cut	12 gpm	5800862	12203	35
21" Flush Cut	15 gpm	5800863	14397	35
25" Flush Cut	8 gpm	5803013	59260	37
25" Flush Cut	10 gpm	5803014	59265	37
25" Flush Cut*	12 gpm	5801340	53154	37
25" Flush Cut	15 gpm	5803016	59274	37

*Manual Meter Valve

LIGHT WEIGHT-STANDARD (FIXED) GUARD				
Blade Capacity/ Guard Type	(GPM) Gallons Per Min	Part #	Cat #	Product Weight (lbs)
20" Standard Cut	8 gpm	5800864	47148	30
20" Standard Cut	10 gpm	5800865	47149	30
20" Standard Cut	12 gpm	5800866	15226	30
20" Standard Cut	15 gpm	5800867	47150	30
24" Standard Cut	10 gpm	5803009	89349	33
24" Standard Cut	12 gpm	5803010	28009	33
24" Standard Cut	15 gpm	5803011	65004	35

CC1300XL WALK BEHIND SAW

14”-20” Blade Capacity
Hydraulic

FEATURES

- Heavy duty frame design
- Cyclone air filter (Honda® models)
- Easy to maneuver push drive
- Four position heavy duty handles offer no slack and don’t rattle like other adjustable handles
- Solid sealed and self aligning blade shaft bearings
- Left or right side sawing
- Optional water tank available

TECHNICAL INFORMATION

Max. Depth of Cut with 14” Blade	4-5/8”
Max. Depth of Cut with 18” Blade	6-5/8”
Max. Depth of Cut with 20” Blade	7-5/8”
Blade Shaft RPM	2600
Blade Shaft Diameter	1-1/4”
Arbor Size	1” with single drive pin
Blade Mounting	Right or left
Blade Raise/Lower	Precision screw feed

CC1300XL SMALL WALK BEHIND SAW

Saw Model #	Engine/Motor Make	Engine/Motor Model	Engine/Motor Power	Power Source	Blade Capacity	Part #	Cat #	Product Weight (lbs)
CC1313HYXL-20	Danfoss®	n/a	15 GPM	Hydraulic	20”	5800724A	37387	230
CC1313HYXL-20	Danfoss®	n/a	20 GPM	Hydraulic	20”	5800724B	50852	230
CC1313HYXL-20	Danfoss®	n/a	25 GPM	Hydraulic	20”	5800724C	37388	230

14”-24” Blade Capacity
Hydraulic

FEATURES

- Electric start option on Honda and Briggs Vanguard models
- Pull start backup on Briggs Vanguard models
- Push or self propelled models
- Easy access to battery with heavy duty isolator switch to prevent battery drain
- Screw feed raise and lower
- Lifting hook standard on all models
- Self aligning blade shaft bearings

TECHNICAL INFORMATION

Max. Depth of Cut with 14” Blade	4-5/8”
Max. Depth of Cut with 18” Blade	6-5/8”
Max. Depth of Cut with 20” Blade	7-5/8”
Max. Depth of Cut with 24” Blade	9-5/8”
Blade Shaft RPM	2600
Blade Shaft Diameter	1-1/4”
Arbor Size	1” with single drive pin
Blade Shaft Drive	3 belts on 11.7HP, 4 belts on other models
Blade Mounting	Right or Left
Transmission	Eaton Model 7
Drive Speed	0-80 feet per minute
Wheel Dimensions	5” x 1-1/2” x 3/4” (Front) 6” x -1-1/2” x 5/8” (Back)

CC1800XL MEDIUM WALK BEHIND SAW-PUSH MODELS								
Model #	Engine/Motor Make/Model	Engine/Motor Power	Power Source	Part # with 14” Guard	Cat # with 14” Guard	Part # with 20” Guard	Cat # with 20” Guard	Product Weight (lbs.)
CC1818HYXL-P	Danfoss®	15 gpm	Hydraulic	5800698A	54489	5800699A	54506	300
CC1818HYXL-P	Danfoss®	20 gpm	Hydraulic	5800698B	54571	5800699B	54582	300
CC1818HYXL-P	Danfoss®	25 gpm	Hydraulic	5800698C	54579	5800699C	54593	300
CC1800XL MEDIUM WALK BEHIND SAW-SELF-PROPELLED MODELS								
CC1818HYXL-S	Danfoss®	15 gpm	Hydraulic	5800647A	54538	5800648A	54549	350
CC1818HYXL-S	Danfoss®	20 gpm	Hydraulic	5800647B	54598	5800648B	54604	350
CC1818HYXL-S	Danfoss®	25 gpm	Hydraulic	5800647C	54599	5800648C	54623	350

CC2500 HYDRAULIC WALK BEHIND SAW

FEATURES

- Rigid high strength 3/16” steel box frame with heavy bar reinforcement
- Two position tilt handle bars
- Four power options offer versatility and convenience
- Screw feed raise and lower with optional power raise and lower
- Cyclone air filter on gas models
- Positive gear drive to rear axle via Eaton hydrostatic transmission

TECHNICAL INFORMATION

Max. Depth of Cut with 14” Blade	4-5/8”
Max. Depth of Cut with 20” Blade	7-3/8”
Max. Depth of Cut with 26” Blade	10-3/8”
Blade Shaft RPM	Varies
Blade Shaft Diameter	1-1/2”
Arbor Size	1” with single drive pin
Blade Shaft Drive	5 belts on 25HP
Blade Mounting	Right or Left
Transmission	Eaton Model 7
Drive Speed	0-130 feet per minute

CC2500 HYDRAULIC WALK BEHIND SAW

Model #	Engine/Motor Make/Model	Engine/Motor Power	Power Source	Part #	Cat #	Blade Capacity	Product Weight (lbs.)
CC2525HY-14	Webster® ◆	25 HP-*25 GPM @ 2000 PSI*	Hydraulic	5800489	48426	14”	610
CC2525HY-20	Webster® ◆	25 HP-*25 GPM @ 2000 PSI*	Hydraulic	5800490	48427	20”	625
CC2525HY-26	Webster® ◆	25 HP-*25 GPM @ 2000 PSI*	Hydraulic	5800491	48428	26”	650

FEATURES

- The ONLY hand saw capable of cutting up to 16" deep in concrete or block
- Best power transfer to blade-where it is needed
- 1/3 less cutting cost than chain sawing
- Eliminates over cuts on corners
- Up to three times faster than chain sawing
- Diamond blade life up to five times longer
- Light weight and easy to use

HDS60 TECHNICAL DATA

Min Blade Diameter	16":
Max Blade Diameter	20"
16" Blade Cutting Depth	12"
20" Blade Cutting Depth	16"
Blade Cooling	Water cool only (no dry cutting)
PSI	2000 (2500 Max.)
Weight	29.8 lbs.
Connections	1/2" hose (approx 12" length) 1/2" fittings

HYDRAULIC DRAGON RING SAWS

Model #	Engine Motor Power	Power Source	Part #	Cat #
HDS60-8	8 GPM	Hydraulic	5801523	87796
HDS60-12	12 GPM	Hydraulic	5801535	53486

H.D. WET DRAGON CLAW RING BLADES WITH WEAR PLATE

SIZE	C41HM-16 CAT #	C42HM-16 CAT #	CRSDR18HM-16 CAT #	CRSDR20HM-16 CAT #
16" x .155	29301	93866	61775	38330
20" x .155	29303	93865	61781	16362

'Dragon Claw' Ring Saw Blades for Use with Both Dragon Saws

CAUTION-
WET CUTTING ONLY
Use only in precut material to ensure safe operation.

THE VERSATILE WALL SAW THAT DELIVERS DEPENDABLE, FULL CUTTING CAPABILITY

54" Blade Capacity
Hydraulic

FEATURES

- Solid design and construction
- Three piece body for economical body repair
- Robust gears for increased strength and performance
- Flush and angle cutting capability
- Available with 3.8 cubic inch or 5.2 cubic inch motor
- Saw comes standard with flush cut and complete tool kit
- Maximum flow and pressure: Max 30 GPM, Max 3000 psi
- 35 HP at maximum 30 GPM - 3000 psi

CC1600 WALL SAWS		
DESCRIPTION	PART #	CAT #
CC1600-3.8PA Auto Travel Wall Saw Package * with tracks, 36" guard & aluminum track feet (LY style)	5800933	79609
CC1600-5.2PA Auto Travel Wall Saw Package* with tracks, 36" guard & aluminum track feet (LY style)	5800934	81683
CC1600-3.8PS Auto Travel Wall Saw Package* with stiffened track, 36" guard & steel track feet	5800931	78128
CC1600-5.2PS Auto Travel Wall Saw Package* with stiffened track, 36" guard & steel track feet	5800932	78495

**Packages include: wall saw head, 36" blade guard, 90" track, 51" track, 4 track feet and tool kit.*

CC1600 WALL SAW HEADS & MOTORS

Description	Part #	Cat #
CC1600-3.8 Manual Travel Wall Saw Head with motor and tool kit	5800925	85207
CC1600-3.8 Auto Travel Wall Saw Head with motor and tool kit	5800921	78012
CC1600-5.2 Auto Travel Wall Saw Head with motor and tool kit	5800922	78416
Cross 3.8 cubic inch hydraulic motor	2600375	83144
Cross 5.2 cubic inch hydraulic motor	2600092	52158

CC1600 WALL SAW TRACK

Description	Part #	Cat #	Product Weight (lbs)
40” track without stiffener *	6050166	48574	17
51” track without stiffener *	6050167	47639	23
90” track without stiffener *	6050168	46856	37
120” track without stiffener *	6050169	47523	50
144” track without stiffener *	6050197	72750	100
40” track with stiffener **	6050161	48575	29
51” track with stiffener **	6050162	48576	37
90” track with stiffener **	6050163	48577	37
120” track with stiffener **	6050164	48578	82

*** Use with standard aluminum track foot-Part # 4400106 – See below ** Use with steel track foot-Part # 6050130 – See below**

Steel Track Foot

CC1600 TRACK STIFFENER

Description	Part #	Cat #	Product Weight (lbs).
40” stiffener only	6050191	48579	15
51” stiffener only	6050192	48580	20
90” stiffener only	6050193	48581	33
120” stiffener only	6050194	48582	44

Wall Saw Cart

CC1600 TRACK FOOT SYSTEM & TRACK FEET

Description	Part #	Cat #	Product Weight (lbs).
Angle track foot assembly	6050212A	70917	12
Angle stiffener foot	6050212B	71084	8
Angle track & stiffener foot assembly	6050212C	71085	19
Steel track foot for stiffened track	6050130	48583	16
Stair track foot *	6050150	48585	16
Standard aluminum track foot	4400106	01942	8
Rotating track foot	3401451	02465	10
XL track foot assembly, aluminum for un-stiffened track	4400417	74414	24

** Requires stiffened track*

CC1600 OPTIONAL WALL SAW CARTS

Description	Part #	Cat #	Product Weight (lbs).
Cart for CC1600 Wall Saw	5800972	31060	140

CCH25/CCE25 CIRCULAR/PLUNGE WIRE SAW

FEATURES

- Simple and safe in the application with minimum installation time
- Economical, replaces expensive drill bits
- Wire sawing instead of drilling opens up new application possibilities.
- Elliptical shaped cutouts are possible.
- Simple tensioning of the wire
- Precise flexible water supply

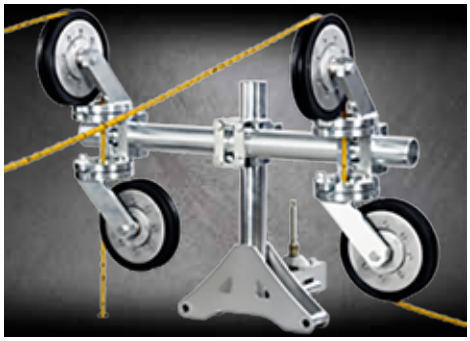
TECHNICAL DATA

Min. Diameter	20"
Max. Diameter	98"
Max. Thickness	24"
Wire Requirement	11 feet minimum
Operation Requirement	13-16 GPM Power Unit BS-2 Remote Control

HYDROSTRESS® CC25 CIRCULAR WIRE SAW

Description	Part #	Cat #	Product Weight (lbs)
CCH25 Complete Wire Saw with 22 CC Motor	5802240	74442	296
BS-2 Remote Control Unit (single pump) with 26' Hoses	5800112	48601	60

Universal Transition Pulleys



HYDROSTRESS® IDLER PULLEYS

Description	Part #	Cat #
8" Idler Pulley	3400896	73031
Idler Pulley Stand	3400895	73030

HYDROSTRESS® PLUNGE WIRE PULLEY ASSEMBLY

Description	Part #	Cat #
Plunge Wire Saw Pulley Assembly Left Side	3402034	68223
Plunge Wire Saw Pulley Assembly Right Side	3402035	68224
Universal Transition Pulley	3404027	73394

Plunge Wire Saw Pulley Assembly Features:

- Sturdy Design
- Gentle Wire guidance thanks to plastic guide
- Optimal water guidance guaranteed
- Suitable for horizontal and vertical cuts
- Swivel rollers for correct wire guidance
- Fixed in 10" drilled hole
- Wire secured by protective plate

FEATURES

- No vibration or noise and fast cutting speed
- Modular design provides infinite setup options
- Universal clamps provide infinite orientation of idler wheels
- Bases mount to concrete surface with anchor bolts

Includes

(1) 8ft. column
(3) mounting bases
(2) universal clamps
(3) 3ft. (1) 11ft., (1) 6ft. schedule 80 pipe sections
(1) 32" drive wheel,
(2) 10" wheels, (2) 16" wheels

TECHNICAL DATA

Wire Speed	0-5,000 ft/min-infinitely variable and reversible
Drive Motor	6 ft. stroke driven by Danfoss 1.93 cubic inch hydraulic motor
Sawing Angle	Set up vertical or horizontal from the same frame
Drive Motor	Char-Lynn 9.9 cubic inch hydraulic motor 525 rpm @ 25 GPM
Drive Wheel	32" diameter with neoprene lining in 'V' groove
Idler Wheels	10" and 16" special polyethylene wheels with sealed bearings. 10" and 16" idlers have 1-3/16" shaft for use with universal clamps
Pipe Mounting	For use with 2" schedule 80 pipe

WS25 WIRE SAW

Description	Part #	Cat #
WS25 Wire Saw for use with BS2	5800061	02248
WS25 Wire Saw for use with Control Station	5800669	09484
WS25 Flush Cut Wire Saw for Use with BS2	5800621	50169
WS25 Flush Cut Wire Saw for Use with Control Station	5800622	39314
Wire Saw Control Station	5800059	02247
BS-2 Remote Control Unit (Single Pump) with 25' hoses	5800112	48601

ACCESSORIES

Description	Part #	Cat #
16" idler wheel	6020025	02581
10" idler wheel	6020035	02583
Universal clamp	6020020	02578
Pipe mounting base	6020000	02565
24" drive wheel	6020051	79330
32" drive wheel	6020052	79331

WCH17 WIRE SAW

56 Ft. Wire Capacity
Hydraulic

FEATURES

- Provides consistent tension and wire speed
- Modular saw disassembles quickly into separate pieces
- Multiple pulley drive for easy, smooth starting
- Patented drive roller system
- Fast, easy assembly for a one person operation
- Assembles into separate light-weight pieces for easy wall-mounting

TECHNICAL DATA

Wire Required	11 feet minimum
Max. Wire Storage	41 feet
Drive Rollers	6 - 8” rollers, 1-8” diverter
WCH17 (Hydraulic) Requirements	17-21 GPM Power Unit BS-2 Remote Control
Weights*	190 lbs. without cover 216 lbs. with cover

*Able to be installed on wall in separate, light-weight pieces

HYDROSTRESS® WCH17 WIRE SAW

Description	Part #	Cat #
WCH17 Hydraulic WIre Saw Complete	5801552	105420
BS-2 Remote Control Unit (single pump) with 26’ Hoses (for WCH17)	5800112	48601

36 Ft. Wire Capacity
Hydraulic

FEATURES

- Patented multiple roll drive allows you to start running with minimum wire tension
- Cutting rate increases by 50% compared to conventional systems
- Virtually emission free
- Capable of large demolition jobs

TECHNICAL DATA	
Wire Required	14 feet minimum
Max. Wire Storage	50 feet
Height	52” H x 29” W x 30” D
Operation Requirements	23-28 GPM Power Unit BS-2 Remote Control

HYDROSTRESS® SB WIRE SAW			
Description	Part #	Cat #	Product Weight (lbs)
Complete Wire Saw with 40 CC Motor	5802228	60599	375
BS-2 Remote Control Unit (single pump) with 26’ Hoses	5800112	48601	60

The M-6 Uses Hydraulic Motors, Pillow Blocks and Flow Control Valves
See page 224 for Hydraulic Components and page 225 Drilling Accessories

M-6 Masts Only

Size	Part #	Cat #
60"	4640123	14562
72"	4640000	47837
96"	4640042	52380
120"	4640063	55510

FEATURES:

- 18" bit capacity with standard pillow block.
- Add-on 4"x6" steel tube spacers available for drilling up to 72" diameter holes.
- Heavy duty 15" x 12" roller carriage
- Massive 72" tall, 4" x 6" rectangular mast
- Sturdy cast aluminum base (steel base optional)
- 4-spoke handles
- Wheel kit and leveling bolts
- 6" rubber wheels on stand base
- The large size and heavy duty construction makes the M-6 a safer way to drill with large diameter core bits
- Sold as a stand only so you can create your own system for your applications
- 2:1 gear reduction makes lifting larger bits easy

M-6 COMPLETE RIGS

Description	Part #	Cat #	Product Weight (lbs.)
M-6 with Pillow Block and Char-Lynn 24.0 cubic inch hydraulic motor - 1.250-7" shaft	4246100	117774	246
M-6 with Pillow Block and White/Danfoss 32.0 cubic inch hydraulic motor - 1.250-7" shaft	4246101	117775	254
M-6 with Pillow Block and White/Danfoss 45.6 cubic inch hydraulic motor - 1.250-7" shaft	4246102	117776	260
M-6 with Pillow Block and Char-Lynn 24.0 cubic inch hydraulic motor - 1.875-7" shaft	4246103	117777	246
M-6 with Pillow Block and White/Danfoss 32.0 cubic inch hydraulic motor - 1.875-7" shaft	4246104	117778	254
M-6 with Pillow Block and White/Danfoss 45.6 cubic inch hydraulic motor - 1.875-7" shaft	4246105	117779	260

M-6 DRILL STANDS ONLY

Description	Part #	Cat #	Product Weight (lbs.)
Large anchor stand with wheels, and quick disconnect motor mount plate	4277581	47879	175
Large anchor stand with roller carriage and 120" mast	4277591	13971	195
M-6 steel anchor base only	4640083	78638	145
M-6 Roller Carriage	4640114	00973	80
M-6 Autofeed Q.D. Carriage Assembly	4640115	14651	110
M-6 Spacer Block (up to 36" diameter bit)	4640026	47072	23
M-6 Spacer Block (up to 48" diameter bit)	4640025	47073	31

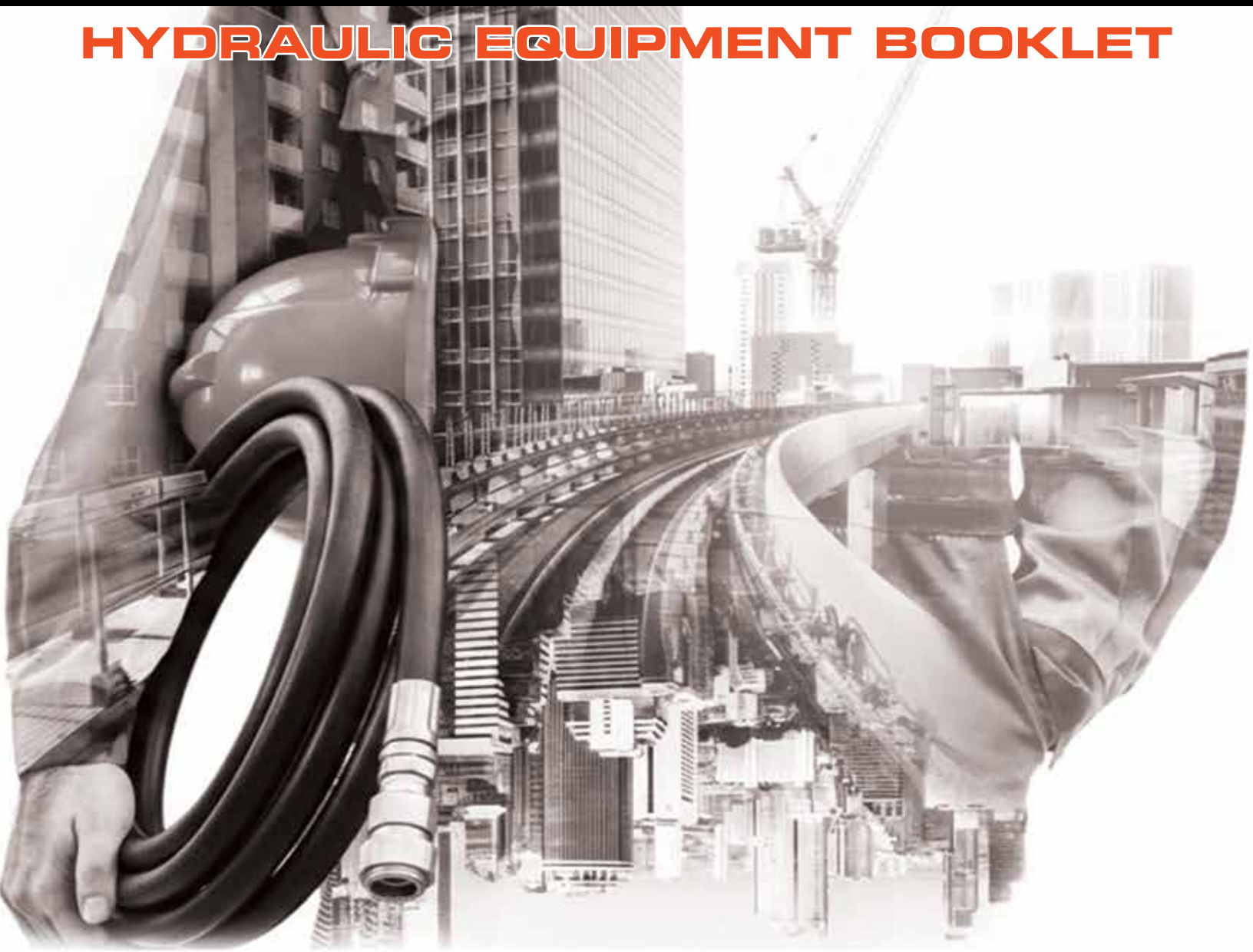
To choose the right hydraulic motor for your application, follow this formula:

Closest G.P.M. of your power unit + closest RPM of core bit on the Bit RPM chart above and match these values on the chart above to get the Cubic Inch of the motor you need.

HYDRAULIC MOTOR RPM CHART - MAXIMUM RPM WITH CUBIC INCH DISPLACEMENT & GPM COMBINATIONS

	Danfoss Motor				Char-Lynn Motor								White Motor
Cubic Inch	**.77**	**1.16**	**1.55**	**1.94**	**4.9**	**6.2**	**8.0**	**9.6**	**11.9**	**14.9**	**18.7**	**24.0**	**32.0**
Part # with hoses	4250012	4250013	4250014	4250015	4250008	4250007	4250006	4250005	4250004	4250002	4250000	4250003	4250010
Cat # with hoses	01836	01837	01838	01839	01833	47655	01832	01831	01830	01828	01826	01829	01834
Part # without hoses	2600061	2600062	2600063	2600064	2600035	2600036	2600037	2600038	2600039	2600040	2600041	2600071	2600030
Cat # without hoses	79166	00459	00460	60281	72115	54629	66922	93802	57887	00451	96417	59570	42499
RPM													
8 GPM	2640	1680	1232	973	377	298	231	193	155	124	99	77	58
12 GPM	N/A	2520	1848	1459	566	447	347	289	233	186	148	116	87
20 GPM	N/A	N/A	N/A	2553	990	782	606	505	408	326	259	202	152
25 GPM	N/A	N/A	N/A	N/A	1226	969	751	626	505	403	321	250	188

HYDRAULIC EQUIPMENT BOOKLET



DIAMOND PRODUCTS™

MANUFACTURERS OF CORE™ PRODUCTS

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