Eaton[®] Heavy Duty Hydrostatic Transmissions



Series 1 Model Codes



Models 33 through 76 Hydrostatic Transmissions





The following 33 digit coding system has been developed to identify standard configuration options for the Series 1 Hydrostatic Variable Displacement Pump. Use this model code to specify a pump with the desired features. All 33-digits of the code must be present to release a new product number for ordering.

1 2	3 4 5 6 7 8 9 10 11 12	13 14 1	5 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
Code			
Position	Feature	Code	Feature Description
01,02,03	PRODUCT SERIES	ACA	HYDROSTATIC - HEAVY DUTY VARIABLE PUMP
04,05	DISPLACEMENT	33	54,34 cm3/r [3.316 in3/r] AT 15.5 DEG
04,05		39	63,66 cm3/r [3.885 in3/r] AT 18 DEG
04,05 04,05	DISPLACEMENT DISPLACEMENT	46 54	75,28 cm3/r [4.594 in3/r] AT 18 DEG 89,13 cm3/r [5.439 in3/r] AT 18 DEG
04,05	DISPLACEMENT	64	105,4 cm3/r [6.431 in3/r] AT 18 DEG
04,05	DISPLACEMENT	76	124,8 cm3/r [7.616 in3/r] AT 18 DEG
06	TYPE	2	VARIABLE DISPLACEMENT PUMP
07	DESIGN TYPE	0	BALL-GUIDE (MODEL 76)
07	DESIGN TYPE	3	SERIES 1 (MODELS 33-64)
08,09 08,09	INPUT SHAFT INPUT SHAFT	01 02	[1.500] DIAMETER STRAIGHT WITH [.3750] X [2.5] SQUARE KEY (MODELS 33-64) [1.750] DIAMETER STRAIGHT WITH [.4375] X [3.0] SQUARE KEY (MODEL 76)
08,09	INPUT SHAFT	13	13 TOOTH 8/16 PITCH SPLINE (MODEL 76)
08,09	INPUT SHAFT	14	14 TOOTH 12/24 PITCH SPLINE (MODELS 33-64)
08,09	INPUT SHAFT	19	19 TOOTH 16/32 PITCH SPLINE (MODELS 33-46)
08,09	INPUT SHAFT	20	20 TOOTH 16/32 PITCH SPLINE (MODELS 33-46)
08,09	INPUT SHAFT	21	21 TOOTH 16/32 PITCH SPLINE (MODELS 33-64)
08,09 08,09	INPUT SHAFT INPUT SHAFT	23 24	23 TOOTH 16/32 PITCH SPLINE (MODELS 33-64) 23 TOOTH 16/32 PITCH SPLINE WITH 3/8-24 UNF HOLE (MODELS 33-54)
08,09	INPUT SHAFT	24 25	21 TOOTH 16/32 FITCH SPLINE WITH 3/8-24 UNF HOLE (MODELS 33-34)
08,09	INPUT SHAFT	27	27 TOOTH 16/32 PITCH SPLINE (MODEL 76)
08,09	INPUT SHAFT	30	13 TOOTH 8/16 PITCH SPLINE WITH [2.93] EXTENSION (MODELS 33-64)
08,09	INPUT SHAFT	36	21 TOOTH 16/32 PITCH SPLINE WITH M10 X 1.5 THREADED HOLE (MODELS 33-46)
08,09	INPUT SHAFT	37 38	23 TOOTH 16/32 PITCH SPLINE WITH M10 X 1.5 THREADED HOLE (MODELS 33-54)
08,09 08,09	INPUT SHAFT INPUT SHAFT	30 39	27 T00TH 16/32 PITCH SPLINE WITH [2.93] EXTENSION (MODELS 54-64) [1.375] DIAMETER TAPERED WITH [.3750] X [1.00] SQUARE KEY (MODELS 33-64)
08,09	INPUT SHAFT	40	[1.50] DIAMETER TAPERED WITH [.3750] X [1.00] SQUARE KEY (MODELS 54-64)
08,09	INPUT SHAFT	41	[1.75] DIAMETER TAPERED WITH [.4375] X [1.00] SQUARE KEY (MODEL 76)
10	INPUT ROTATION	L	COUNTERCLOCKWISE (LEFTHAND)
10	INPUT ROTATION	R	CLOCKWISE (RIGHTHAND)
11 11	VALVE PLATE VALVE PLATE	0 1	STANDARD (V-GROOVE) PROPEL
12	MAIN PORTS	А	[1.00] - CODE 61 PER SAE J518
12	MAIN PORTS	В	[1.00] - CODE 62 PER SAE J518
12	MAIN PORTS	D E	[1.00] - CODE 61 PER SAE J518 WITH PORT A AND B GAGE PORTS
12 13	MAIN PORTS POWER LIMITER VALVE SETTING PORT A	E 0	[1.00] - CODE 62 PER SAE J518 WITH PORT A AND B GAGE PORTS NONE
13	POWER LIMITER VALVE SETTING PORT A	C	103 bar [1500 lbf/in2]
13	POWER LIMITER VALVE SETTING PORT A	D	138 bar [2000 lbf/in2]
13	POWER LIMITER VALVE SETTING PORT A	E	172 bar [2500 lbf/in2]
13	POWER LIMITER VALVE SETTING PORT A	F	207 bar [3000 lbf/in2]
13 13	POWER LIMITER VALVE SETTING PORT A POWER LIMITER VALVE SETTING PORT A	G H	241 bar [3500 lbf/in2] 276 bar [4000 lbf/in2]
13	POWER LIMITER VALVE SETTING PORT A	J	310 bar [4500 lbf/in2]
13	POWER LIMITER VALVE SETTING PORT A	ĸ	345 bar [5000 lbf/in2]
13	POWER LIMITER VALVE SETTING PORT A	L	379 bar [5500 lbf/in2]
13	POWER LIMITER VALVE SETTING PORT A	M	414 bar [6000 lbf/in2]
14 14	POWER LIMITER VALVE SETTING PORT B POWER LIMITER VALVE SETTING PORT B	0 C	NONE 103 bar [1500 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	D	138 bar [2000 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	E	172 bar [2500 lbf/in2]

Series 1 Variable Pump Model Code

Code Position	Feature	Code	Feature Description
14	POWER LIMITER VALVE SETTING PORT B	F	207 bar [3000 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	G	207 bar [3500 lbf/in2] 241 bar [3500 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	H	276 bar [4000 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	J	310 bar [4500 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	Κ	345 bar [5000 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	L	379 bar [5500 lbf/in2]
14	POWER LIMITER VALVE SETTING PORT B	Μ	414 bar [6000 lbf/in2]
15,16	CONTROL	EA	MOOG CONTROLLER
15,16	CONTROL	EJ	ELECTRONIC PROPORTIONAL CONTROL 12 VOLT DC WITHOUT ELECTRONIC DRIVER
15,16	CONTROL	EK	ELECTRONIC PROPORTIONAL CONTROL 24 VOLT DC WITHOUT ELECTRONIC DRIVER
15,16	CONTROL	EL	ELECTRONIC PROPORTIONAL CONTROL 12 AND 24 VOLT DC AND ELECTRONIC DRIVER WITH
15,16	CONTROL	EN	1 TO 6 VOLT POTENTIOMETRIC COMMAND INPUT ELECTRONIC PROPORTIONAL CONTROL 12 AND 24 VOLT DC AND ELECTRONIC DRIVER WITH
15,10	CONTROL	LIN	+/-20 mA COMMAND INPUT
15,16	CONTROL	ET	ELECTRONIC PROPORTIONAL CONTROL 12 AND 24 VOLT DC AND ELECTRONIC DRIVER WITH
10,10	Southol .	21	+/- 100 mA COMMAND INPUT
15,16	CONTROL	EV	ELECTRONIC PROPORTIONAL CONTROL 24 VOLT DC AND ELECTRONIC DRIVER WITH +/
*			- 100 ma command input and 1.0625-12 UN-2A case drain port with steel hex
			PLUG
15,16	CONTROL	HA	HYDRAULIC REMOTE 1,4-14,1 bar [20-205 lbf/in2]
15,16	CONTROL	HB	HYDRAULIC REMOTE 1,4-14,1 bar [20-205 lbf/in2] WITH WIDE BAND NEUTRAL
15,16	CONTROL	HC	HYDRAULIC REMOTE 3,1-14,5 bar [45-210 lbf/in2]
15,16	CONTROL	HD	HYDRAULIC REMOTE 4,5-20,0 bar [65-290 lbf/in2]
15,16	CONTROL	HF	HYDRUALIC REMOTE 4,5-20,0 bar [65-290 lbf/in2] WITH WIDE BAND NEUTRAL
15,16	CONTROL	HG	HYDRAULIC REMOTE 4,5-20,0 bar [65-290 lbf/in2] WITH 12VDC (NC) DESTROKE VALVE (NON- MANIFOLD) WITH ELECTRICAL CONNECTOR (MALE ONLY) PER DIN 43650
15,16	CONTROL	HH	HYDRAULIC REMOTE 11,0-32,4 bar [160-470 lbf/in2]
15,16	CONTROL	HJ	HYDRAULIC REMOTE 3,1-14,5 bar [45-210 lbf/in2] WITH WIDE BAND NEUTRAL
15,16	CONTROL	MA	MANUAL
15,16	CONTROL	MB	MANUAL WITH WIDE BAND NEUTRAL AND 3/4-16UN PLUG IN NEUTRAL LOCKOUT PORT
15,16	CONTROL	MC	MANUAL WITH WIDE BAND NEUTRAL
15,16	CONTROL	ME	MANUAL WITH NEUTRAL DETENT
15,16	CONTROL	MF	MANUAL WITH INCHING VALVE
15,16	CONTROL	MG	MANUAL WITH INCHING VALVE AND NEUTRAL LOCKOUT SWITCH (NC)
15,16	CONTROL	MH	MANUAL WITH INCHING VALVE AND NEUTRAL DETENT
15,16	CONTROL	MJ	MANUAL WITH DESTROKE VALVE (MANIFOLD) 12VDC (NO) WITH 3 PIN WEATHERPACK CONNECTOR
15,16	CONTROL	MM	MANUAL WITH NEUTRAL LOCKOUT SWITCH (NO) AND DESTROKE VALVE (MANIFOLD)
10,10	Southol .		12VDC WITH 2 PIN WEATHER PACK CONNECTOR
15,16	CONTROL	MT	MANUAL WITH WIDE BAND NEUTRAL AND INCHING VALVE WITH SEAL
15,16	CONTROL	MU	MANUAL WITH WIDE BAND NEUTRAL, INCHING VALVE WITH SEAL AND NEUTRAL DETENT
15,16	CONTROL	MW	Manual with destroke valve (manifold) 12vdc (NO) with 2 Pin Weatherpack
			CONNECTOR
15,16	CONTROL	MZ	MANUAL WITH NEUTRAL LOCKOUT SWITCH (NC) WITH PACKARD 2 PIN CONNECTOR
15,16	CONTROL	NA	MANUAL WITH DESTROKE VALVE (MANIFOLD) 12VDC (NO) 3 PIN WEATHERPACK CONNECTOR
15,16	CONTROL	NB	and Neutral Lockout Switch (NC) with Packard 2 Pin Connector Manual with Destroke Valve (Manifold) 24VDC (NO) 2 Pin Weatherpack Connector
15,16	CONTROL	NC	MANUAL WITH BESTROKE VALVE (WANNI OLD) 24VDC (WO) 2 FIN WEATHEN ACK CONNECTOR MANUAL WITH WIDE BAND NEUTRAL, INCHING VALVE WITH SEAL AND NEUTRAL LOCKOUT
10,10	CONTROL	NO	SWITCH (NC) WITH PACKARD 2 PIN CONNECTOR
15,16	CONTROL	ND	MANUAL WITH DESTROKE VALVE (MANIFOLD) 12VDC (NO) WITH 2 PIN WEATHERPACK
10,10	0000002		CONNECTOR WITH NEUTRAL LOCKOUT SWITCH (NC) WITH PACKARD 2 PIN CONNECTOR
15,16	CONTROL	NG	MANUAL WITH NEUTRAL LOCKOUT SWITCH (NC) AND DESTROKE VALVE (MANIFOLD) 12VDC
			(NC) WITH 2 PIN WEATHERPACK CONNECTOR
15,16	CONTROL	NK	MANUAL WITH WIDE BAND NEUTRAL, INCHING VALVE WITH SEAL AND NEUTRAL LOCKOUT
			SWITCH (NO)
15,16	CONTROL	NL	MANUAL WITH DESTROKE VALVE WITH DIODE (MANIFOLD) 12VDC (NO) WITH 2 PIN METRI-
15 16	CONTROL	NIA	PACK CONNECTOR
15,16	CONTROL	NM	MANUAL WITH NEUTRAL LOCKOUT SWITCH (NO) WITH 2 PIN WEATHERPACK CONNECTOR, ACCOUSTICAL ALARM IS INITIATED WHEN CONTROL LEVER IS ROTATED CW
15,16	CONTROL	NN	MANUAL WITH NEUTRAL LOCKOUT SWITCH (NO) WITH 2 PIN WEATHERPACK CONNECTOR,
10,10	UNITIOL	ININ	ACCOUSTICAL ALARM IS INITIATED WHEN CONTROL LEVER IS ROTATED CCW
15,16	CONTROL	NP	MANUAL WITH NEUTRAL LOCKOUT SWITCH (NC) AND 1.0625-12 UN-2A CASE DRAIN PORT
, . •			WITH STEEL HEX PLUG
15,16	CONTROL	RD	REMOTE ELECTRIC WITH (NC) DESTROKE VALVE, (3) 12VDC WITH (1) 2 PIN AND (1) 4 PIN
			WEATHERPAK CONNECTORS, NO DISPLACEMENT CONTROL, WITH 0,33 [.013] CONTROL
			SUPPLY ORIFICE

F_T•N



COMPOSITION DEFLACEMENT LIMITER, WITH 0.33 (1013) CONTINUE LIMITY, WITH 0.35 (1013) CONTINUE LIMITY, W	Code Position	Feature	Code	Feature Description
COMPOSITION DEFLACEMENT LIMITER, WITH 0.33 (1013) CONTINUE LIMITY, WITH 0.35 (1013) CONTINUE LIMITY, W		1		
5.16 CONTROL PF PHOTE FLICTIRG WITH AGD DESTROKE WAVE (0.1210) DESTROKE WAVE (0.2110) DESTROKE WAVE (0.21100) DESTROKE WAVE (0.2110) DESTROKE WAVE (0.2110)	15,16	CONTROL	RE	
State CONTROL PR PARTMETERAL CONNECTORS, NO DERFACTMENT I INTÉR, WITH D35 [D15] 5.16 CONTROL PR0015 ENGINE ENGINE <td>15 16</td> <td>CONTROL</td> <td>DE</td> <td></td>	15 16	CONTROL	DE	
CONTROL SUPPLY OFFICE CONTROL RF REMOVE THE FLORING WITH ND DISTROCE WAIVE, (5) 24/00C WITH (5) 2 PIN WAITHERE 5.16 CONTROL RF REMOVE THE LICTING WITH ND DISTROCE WAIVE, (5) 24/00C WITH (5) 2 PIN WAITHERE, WITH (33 (5) 103) 20/0170. 7 CONTROL RF REMOVE THE LICTING WITH (ND DISTROCE WAIVE, (5) 24/00C WITH (7) 2 PIN WAITHERE, WITH (33 (5) 103) 20/0170. 7 CONTROL SUPPLY OFFICE (P) 0 NOME 7 CONTROL SUPPLY OFFICE (P) 0 1,21 (24) UMARTER 7 CONTROL SUPPLY OFFICE (P) C 1,21 (24) UMARTER 7 CONTROL SUPPLY OFFICE (P) E 1,45 (057) UMARTER 7 CONTROL SUPPLY OFFICE (P) E 1,45 (057) UMARTER 7 CONTROL SUPPLY OFFICE (P) F 1,45 (057) UMARTER 7 CONTROL SUPPLY OFFICE (P) G 1,2 (26) UMARTER 8 CONTROL OFFICE (P) F 1,45 (057) UMARTER 8 CONTROL OFFICE (P) G 1,2 (26) UMARTER 8 CONTROL OFFICE (P) F 1,65 (050) UMARTER 8 CONTROL OFFICE (P) F <td< td=""><td>15,16</td><td>CONTROL</td><td>КГ</td><td></td></td<>	15,16	CONTROL	КГ	
5.16 CONTROL PR REMOTE ELECTRE WITH (vg) DESTROKE VALUE, (b) 2400C WITH (c) 2 NW VESTREPPAK CONTROLS, NPL VIENCE, (b) 1200C 5.16 CONTROL PR REMOTE ELECTRE WITH (vg) DESTROKE VALUE, (b) 2400C VEIN VEINSLEDPAK CONTROL SUPPLY ORIFICE (c) 1200C 7 CONTROL SUPPLY ORIFICE (c) 7 A 0.71 [028] DMARTER DMARTER 7 CONTROL SUPPLY ORIFICE (c) 7 A 0.71 [028] DMARTER DMARTER 7 CONTROL SUPPLY ORIFICE (c) 7 A 0.71 [028] DMARTER DMARTER 7 CONTROL SUPPLY ORIFICE (c) 7 A 0.71 [028] DMARTER DMARTER 7 CONTROL SUPPLY ORIFICE (c) 7 F 1.65 [067] DMARTER DMARTER 7 CONTROL SUPPLY ORIFICE (c) 7 F 1.65 [067] DMARTER DMARTER 8 CONTROL ORIFIC - UPPR SERVO (b) 1 A 0.71 [028] DMARTER DMARTER 8 CONTROL ORIFIC - UPPR SERVO (b) 1 A 0.71 [028] DMARTER DMARTER 8 CONTROL ORIFIC - UPPR SERVO (b) 1 C 1.22 [021] DMARTER DMARTER 8 CONTROL ORIFIC - UPPR SERVO (b) 1 T 2.23 [024]				
5,16 CONTROL PH REMOTE ELECTRIC WITH IND DESTROKE WAVE WE INCLINGS IND DESPLACEMENT LIMITER, WI 0,33 (D13) CONTROL SUPPLY ORIFICE CONTROL CONTROL SUPPLY ORIFICE CONTROL SUPL CONTROL SUPL CONTROL SUPL CONTROL SUPL CONTROL SUPL CONTROL SUPL CONTROL <th< td=""><td>15,16</td><td>CONTROL</td><td>RG</td><td></td></th<>	15,16	CONTROL	RG	
VITH (1) 2 PIN ADD (1) 4 PIN VERTIERS CONNECTORS, ND DISPLACEMENT LINITER, WIT 7 CONTROL SUPPLY ORIGICS (P) 0 7 CONTROL SUPPLY ORIGICS (P) 0 7 CONTROL SUPPLY ORIGICS (P) 0 7 CONTROL SUPPLY ORIGICS (P) 8 7 CONTROL SUPPLY ORIGICS (P) 1 7 CONTROL SUPPLY ORIGICS (P) 1 7 CONTROL SUPPLY ORIGICS (P) 1 7 CONTROL SUPPLY ORIGICS (P) F 7 CONTROL SUPPLY ORIGICS (P) F 7 CONTROL SUPPLY ORIGIC (P) F 7 CONTROL SUPPLY ORIGIC (P) F 7 CONTROL SUPPLY ORIGIC (P) F 8 CONTROL ONIFICE (P) F 9 ONITROL ONIFICE (P) F 8 CONTROL ONIFICE (P) F 1.65 (DISA) 8				
0.33 [013] CONTROL SUPPLY ORFICE 0.33 [013] CONTROL SUPPLY ORFICE 7 CONTROL SUPPLY ORFICE (P) A 7 CONTROL SUPPLY ORFICE (P) B 0.91 [038] DMARTER 7 CONTROL SUPPLY ORFICE (P) C 1.12 [044] DMARTER 7 CONTROL SUPPLY ORFICE (P) C 1.22 [043] DMARTER 7 CONTROL SUPPLY ORFICE (P) F 1.65 [053] DMARTER 7 CONTROL SUPPLY ORFICE (P) F 1.65 [056] DMARTER 7 CONTROL SUPPLY ORFICE (P) H 2.39 [014] DMARTER 7 CONTROL SUPPLY ORFICE (P) H 2.39 [014] DMARTER 7 CONTROL SUPPLY ORFICE (P) H 2.39 [014] DMARTER 8 CONTROL ORFICE (P) F 1.65 [056] DMARTER 9 CONTROL ORFICE (P) F <	15,16	CONTROL	RH	
7 CONTROL SAPPLY ORIFICE (P) 0 NOME 7 CONTROL SAPPLY ORIFICE (P) B 0.91 [036] DUARTER 7 CONTROL SAPPLY ORIFICE (P) D 1.32 [032] DUARTER 7 CONTROL SAPPLY ORIFICE (P) D 1.32 [032] DUARTER 7 CONTROL SAPPLY ORIFICE (P) E 1.45 [037] DUARTER 7 CONTROL SAPPLY ORIFICE (P) F 1.65 [036] DUARTER 7 CONTROL SAPPLY ORIFICE (P) F 1.65 [036] DUARTER 7 CONTROL SAPPLY ORIFICE (P) H 2.39 [044] DUARTER 7 CONTROL ORIFICE - UPER SERVO (SI) D NOME 8 CONTROL ORIFICE - UPER SERVO (SI) D 1.32 [032] DUARTER 8 CONTROL ORIFICE - UPER SERVO (SI) D 1.32 [032] DUARTER 8 CONTROL ORIFICE - UPER SERVO (SI) F 1.65 [056] DUARTER 8 CONTROL ORIFICE - UPER SERVO (SI) F 1.65 [056] DUARTER 8 CONTROL ORIFICE - UPER SERVO (SI) F 1.65 [056] DUARTER 9 CONTROL ORIFICE - UPER SERVO (SI) F 1.				
7 CONTROL SUPPLY ORFICE (P) A 0.71 [028] DUARETER 7 CONTROL SUPPLY ORFICE (P) C 1.12 [044] DUARETER 7 CONTROL SUPPLY ORFICE (P) C 1.12 [044] DUARETER 7 CONTROL SUPPLY ORFICE (P) F 1.45 [037] DUARETER 7 CONTROL SUPPLY ORFICE (P) F 1.45 [037] DUARETER 7 CONTROL SUPPLY ORFICE (P) H 2.39 [044] DUARETER 7 CONTROL SUPPLY ORFICE (P) H 2.39 [044] DUARETER 7 CONTROL SUPPLY ORFICE (P) H 2.39 [044] DUARETER 8 CONTROL ORFICE - UPER SERVO (S) N 0.71 [028] DUARETER 8 CONTROL ORFICE - UPER SERVO (S) D 1.22 [044] DUARETER 8 CONTROL ORFICE - UPER SERVO (S) D 1.23 [043] DUARETER 8 CONTROL ORFICE - UPER SERVO (S) D 1.23 [042] DUARETER 8 CONTROL ORFICE - UPER SERVO (S) D 1.26 [043] DUARETER 8 CONTROL ORFICE - UPER SERVO (S) D 1.28 [042] DUARETER 9 CONTROL ORFICE - UPER SERVO (S) D	17		0	
7 CONTROL SUPPLY ORDERCE (P) B 0.91 [0.33] DUANTER 7 CONTROL SUPPLY ORDERCE (P) D 1.32 [0.32] DUANTER 7 CONTROL SUPPLY ORDERCE (P) F 1.65 [0.35] DUANTER 7 CONTROL SUPPLY ORDERCE (P) F 1.65 [0.35] DUANTER 7 CONTROL SUPPLY ORDERCE (P) F 1.65 [0.35] DUANTER 7 CONTROL SUPPLY ORDERCE (P) H 2.39 [0.49] DUANTER 7 CONTROL SUPPLY ORDERCE (P) H 2.39 [0.49] DUANTER 8 CONTROL ONDERCE - UPER SERVO (S) A 0.71 [0.28] DUANTER 8 CONTROL ONDERCE - UPER SERVO (S) A 0.71 [0.28] DUANTER 8 CONTROL ONDERCE - UPER SERVO (S) D 1.32 [0.32] DUANTER 8 CONTROL ONDERCE - UPER SERVO (S) F 1.65 [0.65] DUANTER 8 CONTROL ONDERCE - UPER SERVO (S) F 1.65 [0.65] DUANTER 8 CONTROL ONDERCE - UPER SERVO (S) F 1.65 [0.65] DUANTER 8 CONTROL ONDERCE - UPER SERVO (S) F 1.65 [0.65] DUANTER 9 CONTROL ONDERCE - UPER SERVO (17			
7 CONTROL SUPPLY ORINGE (P) C 1.12 [OVA] DAMETER 7 CONTROL SUPPLY ORINGE (P) E 1.45 [OS7] DAMETER 7 CONTROL SUPPLY ORINGE (P) F 1.65 [OS7] DAMETER 7 CONTROL SUPPLY ORINGE (P) F 1.65 [OS7] DAMETER 7 CONTROL SUPPLY ORINGE (P) H 2.39 [OVA1] DAMETER 7 CONTROL SUPPLY ORINGE (P) H 2.39 [OVA1] DAMETER 8 CONTROL ORINGE - UPPER SERVO (S1) A 0.71 [OZ3] DAMETER 8 CONTROL ORINGE - UPPER SERVO (S1) C 1.12 [OVA1] DAMETER 8 CONTROL ORINGE - UPPER SERVO (S1) C 1.12 [OVA1] DAMETER 8 CONTROL ORINGE - UPPER SERVO (S1) F 1.45 [OS7] DAMETER 8 CONTROL ORINGE - UPPER SERVO (S1) F 1.45 [OS7] DAMETER 8 CONTROL ORINGE - UPPER SERVO (S1) F 1.45 [OS7] DAMETER 9 CONTROL ORINGE - UPPER SERVO (S1) F 1.45 [OS7] DAMETER <	17			
7 CONTROL SPEYU ORINCE (P) F 1.45 [057] DUARETER 7 CONTROL SPEYU ORINCE (P) G 1.85 [037] DUARETER 7 CONTROL SPEYU ORINCE (P) H 2.39 [049] DUARETER 7 CONTROL SPEYU ORINCE (P) H 2.39 [049] DUARETER 7 CONTROL SPEYU ORINCE (P) H 2.39 [049] DUARETER 8 CONTROL ORINCE - UPER SENO (S1) A 0.71 [028] DUARETER 8 CONTROL ORINCE - UPER SENO (S1) C 1.12 [044] DUARETER 8 CONTROL ORINCE - UPER SENO (S1) E 1.12 [044] DUARETER 8 CONTROL ORINCE - UPER SENO (S1) E 1.35 [057] DUARETER 8 CONTROL ORINCE - UPER SENO (S1) E 1.35 [057] DUARETER 8 CONTROL ORINCE - UPER SENO (S1) H 2.39 [102] DUARETER 9 CONTROL ORINCE - UPER SENO (S1) H 2.39 [102] DUARETER 9 CONTROL ORINCE - UPER SENO (S2) A O.71 [028] DUARETER 9 CONTROL ORINCE - UPER SENO (S2) A O.71 [028] DUARETER 9 CONTROL ORINE - UNER SENO (S2)	17			
7 CONTROL SUPPLY ORINGE (P) F 1.65 (DS) DAMAETER 7 CONTROL SUPPLY ORINGE (P) H 2.39 (D4) DAMAETER 7 CONTROL SUPPLY ORINGE (P) J 2.39 (D4) DAMAETER 8 CONTROL ORINGE (P) J 2.39 (D4) DAMAETER 8 CONTROL ORINGE (P) J 2.39 (D4) DAMAETER 8 CONTROL ORINGE (P) H 2.39 (D4) DAMAETER 8 CONTROL ORINGE (P) H 1.32 (D3) DAMAETER 8 CONTROL ORINGE (P) PER SENO (S1) E 1.45 (D5) DAMAETER 8 CONTROL ORINGE (P) PER SENO (S1) F 1.45 (D5) DAMAETER 8 CONTROL ORINGE (P) PER SENO (S1) H 2.38 (D4) DAMAETER 8 CONTROL ORINGE (P) PER SENO (S1) J 2.38 (D4) DAMAETER 9 CONTROL ORINGE (P) PER SENO (S1) J 2.38 (D4) DAMAETER 9 CONTROL ORINGE (P) PER SENO (S1) J	17	CONTROL SUPPLY ORIFICE (P)		1,32 [.052] DIAMETER
7 CONTROL SUPPLY ORIFICE (P) H 2.39 LOAD WATETR 7 CONTROL SUPPLY ORIFICE (P) J 2.39 LOAD WATETR 8 CONTROL ORIFICE - UPPER SERVO (S1) A 0.71 LOAD WATETR 8 CONTROL ORIFICE - UPPER SERVO (S1) A 0.71 LOAD WATETR 8 CONTROL ORIFICE - UPPER SERVO (S1) C 1.12 LOAD WATETR 8 CONTROL ORIFICE - UPPER SERVO (S1) C 1.12 LOAD WATETR 8 CONTROL ORIFICE - UPPER SERVO (S1) E 1.45 LOST 8 CONTROL ORIFICE - UPPER SERVO (S1) E 1.45 LOST 8 CONTROL ORIFICE - UPPER SERVO (S1) J 2.39 LOWATETR 8 CONTROL ORIFICE - UPPER SERVO (S1) J 2.39 LOWATETR 9 CONTROL ORIFICE - UPPER SERVO (S2) A D.71 LOBMATETR 9 CONTROL ORIFICE - UPPER SERVO (S2) A 2.39 LOAD WATETR 9 CONTROL ORIFICE - UPPER SERVO (S2) A 2.39 LOAD WATETR	17			
7 CONTROL SUPPLY ORIFOR (P) H 2.38 [094] DAMETER 8 CONTROL SUPPLY ORIFOR (P) J 2.58 [102] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S1) A 0.71 [023] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S1) B 0.71 [023] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S1) C 1.12 [044] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S1) C 1.22 [022] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S1) F 1.45 [057] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S1) F 1.45 [050] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S1) J 2.39 [044] DAMETER 8 CONTROL ORIFOC - UPPER SERVO (S2) NONE NONE 9 CONTROL ORIFOC - UPPER SERVO (S2) A 0.71 [023] DAMETER 9 CONTROL ORIFOC - UPPER SERVO (S2) A 0.71 [023] DAMETER 9 CONTROL ORIFOC - UVER SERVO (S2) A 0.71 [023] DAMETER 9 CONTROL ORIFOC - UVER SERVO (S2) C 1.22 [020] DAMETER 9 CONTROL ORIFOC -	17			
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	23	CHARGE PUMP	А	CHARGE PUMP WITH REMOTE PRESSURE FILTER PORTS ON THE -A- PORT SIDE

Series 1 Variable Pump Model Code

Code Position	Feature	Code	Feature Description
23 23	CHARGE PUMP CHARGE PUMP	B D	CHARGE PUMP WITH INTEGRAL PRESSURE FILTER MOUNTED ON THE -B- PORT SIDE CHARGE PUMP WITH EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF SAE O-RING FITTING, WITH STEEL HEX PLUG
23 23	CHARGE PUMP CHARGE PUMP	E G	No Charge Pump Charge Pump with integral pressure filter and diagnostic fitting mounted on The -B- Port side plus inlet gage port with hex plug
23	CHARGE PUMP	Н	CHARGE PUMP WITH REMOTE PRESSURE FILTER PORTS ON -A- PORT SIDE AND INLET GAGE PORT ON -B- PORT SIDE
23	CHARGE PUMP	R	NO CHARGE PUMP, WITH REMOTE PRESSURE FILTER PORTS ON THE -B- PORT SIDE AND EXTERNAL DISCHARGE PORT WITH 90 DEGREE, 7/8-14 UNF, 37 DEGREE FLARE, TUBE FITTING
23	CHARGE PUMP	S	CHARGE PUMP WITH INTEGRAL PRESSURE FILTER AND DIAGNOSTIC FITTING, MOUNTED ON THE -B- PORT SIDE AND EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF-2B SAE O-RING FITTING, WITH STEEL HEX PLUG
23	CHARGE PUMP	Т	CHARGE PUMP WITH EXTERNAL DISCHARGE PORT WITH STRAIGHT 7/8-14 UNF, 37 DEGREE FLARE, TUBE FITTING
23	CHARGE PUMP	U	CHARGE PUMP WITH INTEGRAL PRESSURE FILTER, MOUNTED ON THE -B- PORT SIDE AND EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF-2B SAE O-RING FITTING, WITH STEEL HEX PLUG
23	CHARGE PUMP	V	CHARGE PUMP WITH EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF PORT WITH SHIPPING PROTECTOR
23	CHARGE PUMP	W	CHARGE PUMP WITH INTEGRAL PRESSURE FILTER MOUNTED ON THE -A- PORT SIDE AND EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF-2B SAE O-RING FITTING WITH STEEL HEX PLUG
23	CHARGE PUMP	Y	CHARGE PUMP WITH REMOTE PRESSURE FILTER PORTS ON THE -B- PORT SIDE AND EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF-2B SAE O-RING FITTING WITH STEEL HEX PLUG
23	CHARGE PUMP	Z	Charge Pump with remote pressure filter ports on the -b- port side
24	AUXILIARY MOUNTING	0	NO AUXILIARY MOUNTING
24	AUXILIARY MOUNTING	A	SAE A-PAD (DRY)
24 24	AUXILIARY MOUNTING AUXILIARY MOUNTING	B C	SAE B-PAD (DRY) SAE A-PAD (WET)
24	AUXILIARY MOUNTING	F	SAE B-PAD (WET)
24	AUXILIARY MOUNTING	L	SAE C-PAD, (TYPICALLY FRONT PUMP OF TANDEM) (WET) INCLUDES 14 TOOTH 12/24 PITCH SPLINE COUPLING, WITH 7/8-14 SAE O-RING PORT FOR CHARGE PRESSURE INLET
24 24	AUXILIARY MOUNTING AUXILIARY MOUNTING	R S	SAE A-PAD WITH 11 TOOTH 16/32 PITCH INTERNAL SPLINE (WET) SAE C-PAD, (TYPICALLY FRONT PUMP OF TANDEM) (WET), INCLUDES 14 TOOTH 12/24 PITCH SPLINE COUPLING, CHARGE PRESSURE INLET PORT WITH 7/8-14 UNF, 37 DEGREE FLARE, TUPE FITTING (STRAIGHT FOR MODELS 22 46)
24	AUXILIARY MOUNTING	Т	TUBE FITTING (STRAIGHT FOR MODELS 33-46) SAE B-PAD, NO SHAFT SEAL, INCLUDES 15 TOOTH 12/24 PITCH SPLINE COUPLING, CHARGE PRESSURE INLET PORT WITH 13/16-16 UNF, O-RING FACE SEAL FITTING (45 DEGREE FOR MODELS 33-46)
25	CHARGE PUMP DISPLACEMENT	0	NO CHARGE PUMP
25	CHARGE PUMP DISPLACEMENT	1	13,9 cm3/r [0.85 in3/r]
25 25	CHARGE PUMP DISPLACEMENT CHARGE PUMP DISPLACEMENT	2 3	17,4 cm3/r [1.06 in3/r] 21,0 cm3/r [1.28 in3/r]
25	CHARGE PUMP DISPLACEMENT	4	27,9 cm3/r [1.70 in3/r]
25	CHARGE PUMP DISPLACEMENT	5	34,7 cm3/r [2.12 in3/r]
26 27	2nd DISPLACEMENT OF DUAL ELEMENT CHARGE PRESSURE REL VALVE SETTING	0	NO DUAL ELEMENT NONE
27	CHARGE PRESSURE REL VALVE SETTING	D	15 bar [220 lbf/in2] - STANDARD
27	CHARGE PRESSURE REL VALVE SETTING	G	19 bar [280 lbf/in2]
27	CHARGE PRESSURE REL VALVE SETTING	K	23 bar [340 lbf/in2]
27 28	CHARGE PRESSURE REL VALVE SETTING CHARGE PUMP SPECIAL FEATURES	N 0	28 bar [410 lbf/in2] NO CHARGE PUMP SPECIAL FEATURES
28	CHARGE PUMP SPECIAL FEATURES	A	STEEL CORE CHARGE PUMP GASKET
28	CHARGE PUMP SPECIAL FEATURES	С	90 DEGREE BARBED INLET FITTING FOR [1.00] ID HOSE
28 28	CHARGE PUMP SPECIAL FEATURES CHARGE PUMP SPECIAL FEATURES	M N	CHARGE INLET MANIFOLD WITH CHARGE RELIEF VALVE STEEL CORE CHARGE PUMP GASKET AND CHARGE INLET MAINIFOLD WITH CHARGE RELIEF
28	CHARGE PUMP SPECIAL FEATURES	Р	VALVE CHARGE INLET MANIFOLD WITH EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF SAE O-RING PORT AND STEEL HEX PLUG IN INLET PORT
29,30 29,30	SPECIAL PUMP ASSEMBLY FEATURES SPECIAL PUMP ASSEMBLY FEATURES	00 15	NO SPECIAL FEATURES REAR PUMP UNIT FOR TANDEM PUMP ASSEMBLY (NO SHAFT SEAL)
29,30 29,30	SPECIAL PUMP ASSEMBLY FEATURES	32	BOTH SERVO SLEEVES HAVE 7/8-14 UNF SAE O-RING PORTS AND STEEL HEX PLUGS
29,30	SPECIAL PUMP ASSEMBLY FEATURES	39	BOTTOM SERVO PISTON WITH EXTERNALLY ADJUSTABLE STOP

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Code Position	Feature	Code	Feature Description
29.30	SPECIAL PUMP ASSEMBLY FEATURES	40	BOTH SERVO PISTONS WITH EXTERNALLY ADJUSTABLE STOPS
29,30	SPECIAL PUMP ASSEMBLY FEATURES	40 58	1350 SERIES END YOKE ASSEMBLED TO DRIVE SHAFT
29.30	SPECIAL PUMP ASSEMBLY FEATURES	59	1310 SERIES END YOKE ASSEMBLED TO DRIVE SHAFT
29,30	SPECIAL PUMP ASSEMBLY FEATURES	61	ACCOMMODATES AUXILIARY UNIT WITH SAE C-PAD PILOT WITHOUT O-RING MATING GROOVE
29,30	SPECIAL PUMP ASSEMBLY FEATURES	65	ACCOMMODATES AUXILIARY UNIT WITH SAE WET B-PAD PILOT WITHOUT O-RING MATING GROOVE
29,30	SPECIAL PUMP ASSEMBLY FEATURES	67	METAL CASE DRAIN PLUG IN BOTH PORTS
31	PAINT AND PACKAGING	0	PAINTED PRIMER BLUE (STANDARD)
32	IDENTIFICATION ON UNIT	0	STANDARD
33	DESIGN CODE	В	В

Heavy Duty Hydrostatics



Work Sheet

Series 1 Variable Pump Model Code

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

Fixed Motor Model Code

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
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Variable Motor Model Code

2	-	-	-	-	-	-	 	. –	 								



The following 23 digit coding system has been developed to identify standard configuration options for the Series 1 Hydrostatic Fixed Displacement Motor. Use this model code to specify a motor with the desired features. All 23-digits of the code must be present to release a new product number for ordering.

1 2 3 4 5 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 6 7 8

Code	Footuro	Codo	Eastura Description
Position	Feature	Code	Feature Description
01,02,03	PRODUCT IDENTIFICATION	HHD	HEAVY DUTY HYDROSTATIC FIXED DISPLACEMENT MOTOR
04,05	DISPLACEMENT	33	54,34 cm3/r [3.316 in3/r] AT 15.5 DEG. SWASHPLATE ANGLE
04,05	DISPLACEMENT	39	63,66 cm3/r [3.885 in3/r] AT 18 DEG. SWASHPLATE ANGLE
04,05	DISPLACEMENT	46	75,33 cm3/r [4.594 in3/r] AT 18 DEG. SWASHPLATE ANGLE
04,05	DISPLACEMENT	54	89,13 cm3/r [5.439 in3/r] AT 18 DEG. SWASHPLATE ANGLE
04,05	DISPLACEMENT	64	105,39 cm3/r [6.431 in3/r] AT 18 DEG. SWASHPLATE ANGLE
04,05	DISPLACEMENT	76	124,80 cm3/r [7.616 in3/r] AT 18 DEG. SWASHPLATE ANGLE
06	TYPE	3	FIXED DISPLACEMENT MOTOR
07	DESIGN TYPE	0	BALL-GUIDE - (MODEL 76)
07	DESIGN TYPE	3	FIXED CLEARANCE - (MODELS 33-64)
08,09	OUTPUT SHAFT	01	[1.500] DIAMETER STRAIGHT WITH [.3750] X [2.5] SQUARE KEY (MODELS 33-64)
08,09	OUTPUT SHAFT	02	[1.750] DIAMETER STRAIGHT WITH [.4375] X [3.0] SQUARE KEY (MODEL 76)
08,09	OUTPUT SHAFT	05	[1.750] DIAMETER TAPERED WITH [.4375] X [2.75] DIAMETER WOODRUFF KEY (MODEL 76)
08,09	OUTPUT SHAFT	06	[1.500] DIAMETER STRAIGHT WITH [.3750] X [2.5] SQUARE KEY WITH 3/8-24 UNF X [.75] DP
00.00		07	HOLE IN END OF SHAFT (MODELS 33-64)
08,09	OUTPUT SHAFT	07	[1.750] DIAMETER STRAIGHT WITH [.4375] X [3.0] SQUARE KEY WITH 3/8-24 UNF X [.75] DP
08,09	OUTPUT SHAFT	10	HOLE IN END OF SHAFT (MODEL 76)
08,09	OUTPUT SHAFT	13 14	13 TOOTH 8/16 PITCH SPLINE (MODEL 76) 14 TOOTH 12/24 PITCH SPLINE (MODELS 33-64)
08,09	OUTPUT SHAFT	14	19 TOOTH 16/32 PITCH SPLINE (MODELS 33-64)
08,09	OUTPUT SHAFT	20	20 TOOTH 16/32 PITCH SPLINE WITH 3/8-24 UNF X [.75] DP HOLE IN END OF SHAFT (MODELS
00,03		20	33-46)
08,09	OUTPUT SHAFT	21	21 TOOTH 16/32 PITCH SPLINE (MODELS 33-64)
08,09	OUTPUT SHAFT	23	23 TOOTH 16/32 PITCH SPLINE (MODELS 33-64)
08,09	OUTPUT SHAFT	25	23 TOOTH 16/32 PITCH SPLINE WITH 3/8-24 UNF X [.75] DP HOLE IN END OF SHAFT (MODELS
/			33-64)
08,09	OUTPUT SHAFT	27	27 TOOTH 16/32 PITCH SPLINE (MODEL 76)
08,09	OUTPUT SHAFT	28	20 TOOTH 16/32 PITCH SPLINE (MODELS 33-46)
08,09	OUTPUT SHAFT	29	14 TOOTH 12/24 PITCH SPLINE WITH 3/8-24 UNF X [.75] DP HOLE IN END OF SHAFT (MODELS
			33-64)
08,09	OUTPUT SHAFT	30	21 TOOTH 16/32 PITCH SPLINE WITH 3/8-24 UNF X [.75] DP HOLE IN END OF SHAFT (MODELS
			33-64)
08,09	OUTPUT SHAFT	32	[1.500] DIAMETER TAPERED WITH [.375] X [1.00] SQUARE KEY (MODELS 33-64)
08,09	OUTPUT SHAFT	33	21 TOOTH 16/32 PITCH SPLINE WITH M10 X 1.5 THREADED HOLE (MODELS 33-64)
08,09	OUTPUT SHAFT	34	[1.375] DIAMETER TAPERED WITH [.375] X [1.00] SQUARE KEY (MODELS 33-64)
10	MAIN PORTS	A	[1.00] SAE 4-BOLT SPLIT FLANGE PORT, STANDARD PRESSURE SERIES (CODE 61)
10	MAIN PORTS	В	[1.00] SAE 4-BOLT SPLIT FLANGE PORT, HIGH PRESSURE SERIES (CODE 62)
10	MAIN PORTS	F	[1.00] SAE 4-BOLT SPLIT FLANGE PORT, STANDARD PRESSURE SERIES (CODE 61) WITH (2)
10		G	GAUGE/PILOT PRESSURE PORTS FOR .4375-20 UNF-2B SAE 0-RING FITTINGS [1.00] SAE 4-BOLT SPLIT FLANGE PORT, HIGH PRESSURE SERIES (CODE 62) WITH (2) GAUGE/
10	MAIN PORTS	G	
10	MAIN PORTS	J	PILOT PRESSURE PORTS FOR .4375-20 UNF-2B SAE O-RING FITTINGS REAR PORTS - [1.00] SAE 4-BOLT SPLIT FLANGE PORT, STANDARD PRESSURE SERIES (CODE
10	MAIN FONTS	J	61)
11	END COVER AND COMPOSITE VALVE BLOCK ASSY	A	STANDARD END COVER. COMPOSITE VALVE BLOCK WITH HIGH-RATE SHUTTLE VALVE
	END SOVER AND SOME OFFER ALVE DESCR AUST	11	SPRINGS
11	END COVER AND COMPOSITE VALVE BLOCK ASSY	В	STANDARD END COVER, COMPOSITE VALVE BLOCK WITH LOW-RATE SHUTTLE VALVE
		2	SPRINGS
11	END COVER AND COMPOSITE VALVE BLOCK ASSY	С	NO COMPOSITE VALVE BLOCK - WITH COVER PLATE
11	END COVER AND COMPOSITE VALVE BLOCK ASSY		INTEGRAL SHUTTLE VALVE WITH LOW-RATE SHUTTLE VALVE SPRINGS AND CHARGE
			PRESSURE RELIEF VALVE
11	END COVER AND COMPOSITE VALVE BLOCK ASSY	Η	INTEGRAL SHUTTLE VALVE WITH HIGH-RATE SHUTTLE VALVE SPRINGS AND CHARGE
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Q			

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Fixed Motor Model Code

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Code	Factoria	Oada	
Position	Feature	Code	Feature Description
11	END COVER AND COMPOSITE VALVE BLOCK ASSY	/ J	PRESSURE RELIEF VALVE COMPOSITE VALVE BLOCK WITHOUT CHARGE PRESSURE RELIEF VALVE OR SHUTTLE VALVE, BUT WITH HIGH PRESSURE RELIEF VALVES WITH THREADED RETAINER
11	END COVER AND COMPOSITE VALVE BLOCK ASSY		STANDARD END COVER, SHUTTLE VALVE BLOCK WITH HIGH-RATE SHUTTLE VALVE SPRINGS
12	CHARGE PRESSURE RELIEF VALVE	0	NO RELIEF VALVE
12 12	CHARGE PRESSURE RELIEF VALVE CHARGE PRESSURE RELIEF VALVE	1 2	STANDARD ORIFICED CHARGE PRESSURE RELIEF VALVE (FOR COMPOSITE VALVE BLOCKS ONLY)
13	CHARGE PRESSURE RELIEF VALVE SETTING	0	NONE
13	CHARGE PRESSURE RELIEF VALVE SETTING	В	11 bar [160 lbf/in2]
13	CHARGE PRESSURE RELIEF VALVE SETTING	E	15,2 bar [220 lbf/in2]
13	CHARGE PRESSURE RELIEF VALVE SETTING CHARGE PRESSURE RELIEF VALVE SETTING	F	16,6 bar [240 lbf/in2]
13 13	CHARGE PRESSURE RELIEF VALVE SETTING	H J	19,3 bar [280 lbf/in2] 20,7 bar [300 lbf/in2]
13	CHARGE PRESSURE RELIEF VALVE SETTING	Ĺ	22,5 bar [326.6 lbf/in2]
14	HIGH PRESSURE RELIEF VALVE - PORT A	0	NONE
14	HIGH PRESSURE RELIEF VALVE - PORT A	1	STANDARD
14 15	HIGH PRESSURE RELIEF VALVE - PORT A HIGH PRESSURE REL VALVE SETTING - PORT A	3 0	STANDARD WITH THREADED RETAINER NONE
15	HIGH PRESSURE REL VALVE SETTING - PORT A	B	69 bar [1000 lbf/in2]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	C	103 bar [1500 lbf/in2]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	D	138 bar [2000 lbf/in2]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	E	172 bar [2500 lbf/in2]
15 15	HIGH PRESSURE REL VALVE SETTING - PORT A HIGH PRESSURE REL VALVE SETTING - PORT A	F G	207 bar [3000 lbf/in2]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	H	241 bar [3500 lbf/in2] 276 bar [4000 lbf/in2]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	J	310 bar [4500 lbf/in2]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	Κ	345 bar [5000 lbf/in2]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	L	379 bar [5500 lbf/in2]
15 16	HIGH PRESSURE REL VALVE SETTING - PORT A HIGH PRESSURE RELIEF VALVE - PORT B	M 0	414 bar [6000 lbf/in2] NONE
16	HIGH PRESSURE RELIEF VALVE - PORT B	1	STANDARD
16	HIGH PRESSURE RELIEF VALVE - PORT B	3	STANDARD WITH THREADED RETAINER
17	HIGH PRESSURE REL VALVE SETTING - PORT B	0	NONE
17 17	HIGH PRESSURE REL VALVE SETTING - PORT B	B	69 bar [1000 lbf/in2]
17 17	HIGH PRESSURE REL VALVE SETTING - PORT B HIGH PRESSURE REL VALVE SETTING - PORT B	C D	103 bar [1500 lbf/in2] 138 bar [2000 lbf/in2]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	E	172 bar [2500 lbf/in2]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	F	207 bar [3000 lbf/in2]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	G	241 bar [3500 lbf/in2]
17 17	HIGH PRESSURE REL VALVE SETTING - PORT B HIGH PRESSURE REL VALVE SETTING - PORT B	H J	276 bar [4000 lbf/in2] 310 bar [4500 lbf/in2]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	K	345 bar [5000 lbf/in2]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	L	379 bar [5500 lbf/in2]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	М	414 bar [6000 lbf/in2]
18	SPEED SENSOR	0	NO SPEED SENSOR
18 18	SPEED SENSOR SPEED SENSOR	A B	MAGNETIC SENSOR WITH 2 WIRE WEATHER PACK CONNECTOR DIGITAL SENSOR WITH 3 WIRE WEATHER PACK CONNECTOR
18	SPEED SENSOR	C	SPEED SENSOR HOLE (5/8-18 UNF THREAD) PLUGGED
18	SPEED SENSOR	D	QUADRATURE SPEED SENSOR WITH 4 WIRE WEATHER PACK CONNECTOR
19,20	SPECIAL FEATURES	00	NO SPECIAL FEATURES
19,20	SPECIAL FEATURES	03	BYPASS VALVE-SPOOL STEM IS ON THE OPPOSITE SIDE FROM THE LOW PRESSURE RELIEF
19,20	SPECIAL FEATURES	32	VALVE IN THE COMPOSITE VALVE BLOCK METAL CASE DRAIN PLUG IN BOTH PORTS
21	PAINT AND PACKAGING	0	PAINTED PRIMER BLUE (STANDARD)
21	PAINT AND PACKAGING	J	RUST PREVENTATIVE SPRAY
22	IDENTIFICATION ON UNIT	0	STANDARD
23	DESIGN CODE	В	В

Variable Motor Model Code





The following 29 digit coding system has been developed to identify standard configuration options for the Series 1 Hydrostatic Variable Displacement Motor. Use this model code to specify a motor with the desired features. All 29-digits of the code must be present to release a new product number for ordering.

1 2	3 4 5 6 7 8 9 10 11 12 13	8 14 15	16 17 18 19 20 21 22 23 24 25 26 27 28 29
Code	Frating	0.4	Factory Decodation
Position	Feature	Code	Feature Description
01,02,03	PRODUCT IDENTIFICATION	ACE	HEAVY DUTY HYDROSTATIC VARIABLE DISPLACEMENT MOTOR
04,05 04,05	DISPLACEMENT DISPLACEMENT	33 39	54,34 cm3/r [3.316 in3/r] AT 15.5 DEG STROKE 63,66 cm3/r [3.885 in3/r] AT 18 DEG STROKE
04,05	DISPLACEMENT	46	75,33 cm3/r [4.597 in3/r] AT 18 DEG STROKE
04,05	DISPLACEMENT	54	89,13 cm3/r [5.439 in3/r] AT 18 DEG STROKE
04,05		64	105,45 cm3/r [6.435 in3/r] AT 18 DEG STROKE
04,05 06	DISPLACEMENT TYPE	76 4	124,8 cm3/r [7.616 in3/r] AT 18 DEG STROKE VARIABLE DISPLACEMENT MOTOR
07	DESIGN TYPE	0	BALL-GUIDE (MODEL 76)
07	DESIGN TYPE	1	SERIES 1 (MODELS 33-64)
08,09	OUTPUT SHAFT	01	[1.500] DIAMETER STRAIGHT WITH [.3750] X [2.5] SQUARE KEY (MODELS 33-64)
08,09 08,09	OUTPUT SHAFT OUTPUT SHAFT	02 13	[1.750] DIAMETER STRAIGHT WITH [.4375] X [3.0] SQUARE KEY (MODEL 76) 13 TOOTH 8/16 PITCH SPLINE (MODEL 76)
08,09	OUTPUT SHAFT	14	14 TOOTH 12/24 PITCH SPLINE (MODELS 33-64)
08,09	OUTPUT SHAFT	19	19 TOOTH 16/32 PITCH SPLINE (MODELS 33-64)
08,09	OUTPUT SHAFT	21	21 TOOTH 16/32 PITCH SPLINE (MODELS 33-64)
08,09 08,09	OUTPUT SHAFT OUTPUT SHAFT	23 27	23 TOOTH 16/32 PITCH SPLINE (MODELS 33-64) 27 TOOTH 16/32 PITCH SPLINE (MODEL 76)
10	MINIMUM SWASHPLATE ANGLE	A	18 DEGREES
10	MINIMUM SWASHPLATE ANGLE	В	17 DEGREES
10 10	MINIMUM SWASHPLATE ANGLE MINIMUM SWASHPLATE ANGLE	C D	16 DEGREES 15 DEGREES
10	MINIMUM SWASHPLATE ANGLE	E	14 DEGREES
10	MINIMUM SWASHPLATE ANGLE	F	13 DEGREES
10	MINIMUM SWASHPLATE ANGLE	G	12 DEGREES
10 10	MINIMUM SWASHPLATE ANGLE	H J	11 DEGREES 10 DEGREES
10	MINIMUM SWASHPLATE ANGLE MINIMUM SWASHPLATE ANGLE	K	9 DEGREES
10	MINIMUM SWASHPLATE ANGLE	L	8 DEGREES
10	MINIMUM SWASHPLATE ANGLE	М	7 DEGREES
11 11	MAIN PORTS MAIN PORTS	A B	[1.00] SAE 4-BOLT SPLIT FLANGE PORT, STANDARD PRESSURE SERIES (CODE 61) [1.00] SAE 4-BOLT SPLIT FLANGE PORT, HIGH PRESSURE SERIES (CODE 62)
11	MAIN PORTS	D	[1.00] SAE 4-BOLT SPLIT FLANGEFORT, STANDARD PRESSURE SERIES (CODE 61) WITH A AND B
			GAUGE PORTS
11	MAIN PORTS	E	[1.00] SAE 4-BOLT SPLIT FLANGE PORT, HIGH PRESSURE SERIES (CODE 62) WITH A AND B GAUGE PORTS
12	END COVER AND COMPOSITE VALVE BLOCK ASSY	А	STANDARD END COVER, COMPOSITE VALVE BLOCK WITH HIGH-RATE SHUTTLE VALVE SPRINGS
12	END COVER AND COMPOSITE VALVE BLOCK ASSY	В	STANDARD END COVER, COMPOSITE VALVE BLOCK WITH LOW-RATE SHUTTLE VALVE SPRINGS
12 12	END COVER AND COMPOSITE VALVE BLOCK ASSY END COVER AND COMPOSITE VALVE BLOCK ASSY	C M	NO COMPOSITE VALVE BLOCK - WITH COVER PLATE STANDARD END COVER, SHUTTLE VALVE BLOCK WITH HIGH-RATE SHUTTLE VALVE SPRINGS
12	END COVER AND COMPOSITE VALVE BLOCK ASST	N	STANDARD END COVER, SHUTTLE VALVE BLOCK WITH HIGH-RATE SHUTTLE VALVE SPRINGS
13	CHARGE PRESS REL VALVE-CMPST VALVE BLOCK	0	NO RELIEF VALVE
13	CHARGE PRESS REL VALVE-CMPST VALVE BLOCK	1	
13 14	CHARGE PRESS REL VALVE-CMPST VALVE BLOCK CHARGE PRESSURE RELIEF VALVE SETTING	2 0	ORIFICED CHARGE PRESSURE RELIEF VALVE NONE
14	CHARGE PRESSURE RELIEF VALVE SETTING	B	11 bar [160 lbf/in2] - STANDARD
14	CHARGE PRESSURE RELIEF VALVE SETTING	E	15,2 bar [220 lbf/in2]
14	CHARGE PRESSURE RELIEF VALVE SETTING	F	16,6 bar [240 lbf/in2]
14 14	CHARGE PRESSURE RELIEF VALVE SETTING CHARGE PRESSURE RELIEF VALVE SETTING	H J	19,3 bar [280 lbf/in2] 20.7 bar [300 lbf/in2]
15	CMPST VLV BLK HIGH PRESS REL VLV- PORT A	0	NONE
15	CMPST VLV BLK HIGH PRESS REL VLV- PORT A	1	STANDARD
15	CMPST VLV BLK HIGH PRESS REL VLV- PORT A	3	STANDARD WITH THREADED RETAINER
16 16	HIGH PRESSURE REL VALVE SETTING - PORT A HIGH PRESSURE REL VALVE SETTING - PORT A	0 B	NONE 69 bar [1000 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	C	103 bar [1500 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	D	138 bar [2000 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	E	172 bar [2500 lbf/in2]

Variable Motor Model Code



Control Control Control Control The High HERSSIE FL MARKSTERS FL MARKSTERS - PORT A. F 24 to [Store Function Print] The High HERSSIE FL MARKSTERS - PORT A. F 24 to [Store Function Print] The High HERSSIE FL MARKSTERS - PORT A. F 24 to [Store Function Print] The High HERSSIE FL MARKSTERS - PORT A. F 24 to [Store Function Print] The High HERSSIE FL MARKSTERS - PORT A. F 24 to [Store Function Print] The High HERSSIE FL MARKSTERS - PORT A. F 24 to [Store Function Print] The High HERSSIE FL MARKSTERS - PORT A. F 24 to [Store Function Print] The High HERSSIE FL MARKSTERS - PORT B. Store Function Print Prin	Code Position	Feature	Code	Feature Description
10 Hein PRESSURG EL, WAUE SETTINE PORTA 6 24 hei [2000//n.2] 10 Hein PRESSURG EL, WAUE SETTINE PORTA 1 27 classifier HV WIE SETTINE PORTA 1 37 clas		1.042010	0000	
Index HIGH NUMBSURF HV W/ FETTING, FORT A H Proba/ control (control) HIGH NUMBSURF HV W/ FETTING, FORT A L Solar (control) HIGH NUMBSURF HV W/ FETTING, FORT A L Solar (control) HIGH NUMBSURF HV W/ FETTING, FORT A L Solar (control) HIGH NUMBSURF HV W/ FETTING, FORT A L Solar (control) TO OMFT W/ SLA (HIGH PRESS) H H (HIGH PRESS) TO OMFT W/ SLA (HIGH PRESS) H H (HIGH PRESS) TO CONTRU V/ SLA (HIGH PRESS) H H (HIGH PRESS) TO CONTRU V/ SLA (HIGH PRESS) H TO HIGH PRESSNE FLA W/ FORT B C TO SLA (FOR UHA) TO HIGH PRESSNE FLA W/ FORT B TO SLA (FOR UHA) HIGH PRESSNE FLA W/ FORT B TO SLA (FOR UHA) H HIGH PRESSNE FLA W/ FORT B TO SLA (FOR UHA) H HIGH PRESSNE FLA W/ FORT B TO SLA (FOR UHA) H HIGH PRESSNE FLA W/ FORT B TO SLA (FOR UHA) H HIGH PRESSNE FLA W/ FORT B TO SLA (FOR UHA) H HIGH PRESSNE FLA W/ FORT B H				
IB HIGH FRESSURE EL, WALKS ETTING - PORTA J Stobac [3000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTA K Addata placebookm2] BB HIGH FRESSURE EL, WALKS ETTING - PORTA K Addata placebookm2] BB HIGH FRESSURE EL, WALKS ETTING - PORTA K Addata placebookm2] CMRTS V VALK MARE PRESSURE EL, WALKS ETTING - PORTB G NOME BB HIGH FRESSURE EL, WALKS ETTING - PORTB G STADOARD BB HIGH FRESSURE EL, WALKS ETTING - PORTB G 138 blac [2000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTB G 138 blac [2000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTB G 138 blac [2000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTB G 24 blac [2000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTB H 47 blac [2000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTB H 47 blac [2000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTB H 47 blac [2000km2] BB HIGH FRESSURE EL, WALKS ETTING - PORTB H 47 blac [200				
HIGH PRESSURG HIGH PRE				
16 Hib PRESSURG REL VALVE SETTING - PORT A L 37 aba (SSOb) (Min2) 17 CARST VI VI NU HIGHPRESSURG VI - VOITIN NOW NOW 17 CARST VI VI NU HIGHPRESSURG VI - VOITIN NOW NOW 18 HIB - PRESSURG REL VALVE SETTING - PORT B O NOW 18 HIB - PRESSURG REL VALVE SETTING - PORT B O NOW 18 HIB - PRESSURG REL VALVE SETTING - PORT B O NOW 18 HIB - PRESSURG REL VALVE SETTING - PORT B C NOW F 18 HIB - PRESSURG REL VALVE SETTING - PORT B C NOW F 18 HIB - PRESSURG REL VALVE SETTING - PORT B C 207 to (SSOD)/////2 18 HIB - PRESSURG REL VALVE SETTING - PORT B C 207 to (SSOD)////2 18 HIB - PRESSURG REL VALVE SETTING - PORT B L 207 to (SSOD)////2 18 HIB - PRESSURG REL VALVE SETTING - PORT B L 207 to (SSOD)////2 19 HIB - PRESSURG REL VALVE SETTING - PORT B L 37 bo (SSOD)////2 10 CONTROL - CONT B MID - PORT A///2 1000000000000000000000000000000000000				
17 CMPST VU SUN HIGH PRESS REL V. / PORT B 0 NONE 17 CARST VU SUN HIGH PRESS REL V. / PORT B 1 STAUARD 18 HIGH PRESSURE REL V. / PORT B 0 MME 19 HIGH PRESSURE REL V. / PORT B 0 MME 19 HIGH PRESSURE REL V. / PORT B 0 MME 19 HIGH PRESSURE REL V. / PORT B 0 IDB and IDD AND ID				
TY CMRST W VIEW HIGH PRESS RET W. PORTS I STMUMROW MINE STMUMROW SI STMUMROW HIGH PRESSURF RET W. VESTTIM-PORTS O NOP HIGH PRESSURF RET W. VESTTIM-PORTS O NOP HIGH PRESSURF RET W. VESTTIM-PORTS C NOP HIGH PRESSURF RET W. VESTTIM-PORTS FI 270 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS FI 270 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS FI 270 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS FI 270 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS FI 270 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS FI 370 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS K 430 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS K 430 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS K 430 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS K 430 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS K 430 (2000 M/m2) HIGH PRESSURF RET W. VESTTIM-PORTS K 440 (2000				
TY CMPST VLVEW, HIGH PRESSRE, UV, PGPT B 3 STANARD WITH THREADED RETAILS. PGPT B HIGH PRESSUE REL VLVE STITUS - PGPT B B RADIAL HIGH PRESSUE REL VLVE STITUS - PGPT B C Fish and TioDins/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B C Fish and TioDins/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B Fish and TioDins/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B Fish and TioDins/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B Fish and TioDins/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B Fish and TioDins/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 3 Stat (SODIN/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 3 Stat (SODIN/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 3 Stat (SODIN/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 3 Stat (SODIN/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 4 Stat (SODIN/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 3 Stat (SODIN/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 4 Stat (SODIN/ric] HIGH PRESSUE REL VLVE STITUS - PGPT B K 4 Stat (SODIN/ric]				
IND HIGH MESSURE FL, VAUS ESTIMA - PORT B 0 NOME 10 HIGH MESSURE FL, VAUS ESTIMA - PORT B C TO BAIL 1000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B C TO BAIL 1000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B F 220 / M [2000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B F 220 / M [2000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B H 27 GU [2000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B L 24 Jul (2000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B L 24 Jul (2000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B L 24 Jul (2000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B L 24 Jul (2000 IM/n2] 11 HIGH MESSURE FL, VAUS ESTIMA - PORT B L 24 Jul (2000 IM/n2] 12 CONTROL FA MORAL ERANDER VAUS FL, VAUS ESTIMA - PORT B 12 CONTROL FA MORAL ERANDER VAUS FL, VAUS ESTIMA - PORT B 12 CONTROL FA MORAL ERANDER VAUS FL, VAUS FL,				
Bit HIGH PHESSURE FLUXUS ESTIMUS - PORT B C U30 (1p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B F 77 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B F 77 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B H 27 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B H 27 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B L 37 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B L 37 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B L 37 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B L 37 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B L 37 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B L 37 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B H 4 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B H 4 bm (2p00) (hm/2) Bit HIGH PRESSURE FLUXUS ESTIMUS - PORT B			0	
IB HIEH MEESSUE REL VAUS ETTIMS - PORT B D I33 b0 [2000 b0/m2] IB HIEH MESSUE REL VAUS ETTIMS - PORT B F 20 b0 [3000 b0/m2] IB HIEH MESSUE REL VAUS ETTIMS - PORT B J 31 b0 [2000 b0/m2] IB HIEH MESSUE REL VAUS ETTIMS - PORT B J J J J IB HIEH MESSUE REL VAUS ETTIMS - PORT B J <td></td> <td></td> <td></td> <td></td>				
18 HIGH PERSSURE RL VALVE SETTING - PORT B F 72 bit [200 IL/In/2] 18 HIGH PERSSURE RL VALVE SETTING - PORT B G 24 bit [300 IL/In/2] 18 HIGH PERSSURE RL VALVE SETTING - PORT B G 24 bit [300 IL/In/2] 18 HIGH PERSSURE RL VALVE SETTING - PORT B J 37 bit [400 IL/In/2] 18 HIGH PERSSURE RL VALVE SETTING - PORT B J 37 bit [500 IL/In/2] 18. HIGH PERSSURE RL VALVE SETTING - PORT B M 44 bit [500 IL/In/2] 13.00 CONTROL - WESTING - PORT B M 44 bit [500 IL/In/2] 13.01 CONTROL - WESTING - PORT B H 47 bit [500 IL/In/2] 13.02 CONTROL - WESTING - PORT B H 47 bit [500 IL/In/2] 13.02 CONTROL - WESTING - PORT B H 47 bit [500 IL/In/2] 13.03 CONTROL - WESTING - PORT B H MODEL CONTROL - WESTING - PORT B 13.04 CONTROL - WESTING - PORT B H MODEL CONTROL - WESTING - PORT B 13.02 CONTROL - WESTING - PORT B PRESSURE RESPONSE WITH STROKE WALVE 12 VOLONG WITH 2 PM AMP CONNECTOR 13.04 CONTROL - WESTING - PORT B				
IB HIGH PRESSURE RLV XLVS SETTING - PORT B F 20 at bar South March 18 HIGH PRESSURE RLV XLVS SETTING - PORT B H 27 bar South March 18 HIGH PRESSURE RLV XLVS SETTING - PORT B H 27 bar South March 18 HIGH PRESSURE RLV XLVS SETTING - PORT B K 34 bar South March 18 HIGH PRESSURE RLV XLVS SETTING - PORT B K 34 bar South March 18.00 ONTROL FE MOB CONTROLLER YLVS SETTING - PORT B 12.00 ONTROL FE MOB CONTROLLER YLVS SETTING - PORT B 12.00 ONTROL FE MOB CONTROLLER YLVS SETTING - PORT B 12.01 ONTROL FE MOB CONTROLLER YLVS SETTING - PORT B 12.02 ONTROL FE MOB CONTROLLER YLVS SETING - PORT B 12.02 ONTROL FE MOB CONTROLLER YLVS SETING - PORT B 12.02 ONTROL FE MOB CONTROLLER YLVS SETING - PORT B 12.02 ONTROL FE PORT A TE YLVS SETING - PORT A TE 12.04				
19 HIGH PRESSURE RLY, VLY ESTIMO - PORT B H 275 brain [4000 loth/m2] 18 HIGH PRESSURE RLY, VLY ESTIMO - PORT B K 34 brain [4000 loth/m2] 18 HIGH PRESSURE RLY, VLY ESTIMO - PORT B K 34 brain [4000 loth/m2] 18 HIGH PRESSURE RLY, VLY ESTIMO - PORT B K 44 brain [6000 loth/m2] 18 HIGH PRESSURE RLY, VLY ESTIMO - PORT B M 44 brain [6000 loth/m2] 18 HIGH PRESSURE RLY, VLY ESTIMO - PORT B M 44 brain [6000 loth/m2] 19 CONTROL M 44 brain [6000 loth/m2] 19 CONTROL HB HIDDRALLIC REMOTE KLA - 20, Daw [65-290 loth/m2] 19 CONTROL HB HIDDRALLIC REMOTE KLA - 20, Daw [65-290 loth/m2] 19 CONTROL HB HIDDRALLIC REMOTE KLA - 20, Daw [65-290 loth/m2] 19 CONTROL HB HIDDRALLIC REMOTE KLA - 20, Daw [65-290 loth/m2] 19 CONTROL FA PRESSURE RESONAL 19 CONTROL FA PRESSURE RESONAL FA 19 CONTROL FA PRESSURE RESONAL FA <				
His His <td></td> <td></td> <td></td> <td></td>				
High PRESSURE RL VALVE SETTING - PORT B K Ad Solar [2000 bh/m2] 18 High PRESSURE RL VALVE SETTING - PORT B M 41 day [6000 bh/m2] 18.20 CONTROL HA MYDAULO REMOTE WITH FUMP LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE WITH FUMP LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE WITH FUMP LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-20, bar [65-290 bh/m2] 19.20 CONTROL HA MYDAULO REMOTE HALL AND LINKAGE 4,5-			H	
18 Hidi PRESURE REL VALVE SETTING - PORT B L S79 bag [500 bf/m2] 18.20 CONTROL FA MOGE CONTROLLER 18.20 CONTROL FA MOGE CONTROLLER 18.20 CONTROL HA HYDRAUL CREMOT FALL SALE (200 bb//r2) 18.20 CONTROL HB HYDRAUL CREMOT FALL SALE (200 bb//r2) 18.20 CONTROL HB HYDRAUL CREMOT FALL SALE (200 bb//r2) 18.20 CONTROL HD HYDRAUL CREMOT FALL SALE (200 bb//r2) 18.20 CONTROL HD HYDRAUL CREMOT FALL SALE (200 CNC) WITH 2 PIN AMP CONNECTOR 18.20 CONTROL FA PORT FALE 18.20 CONTROL FA PORT FALE 18.20 CONTROL FA PORT FALE 18.20 CONTROL FA STROMK VALVE 12 VOC (NC) WITH 2 PIN VARP CONNECTOR 18.20 CONTROL CREACE FA STROMK VALVE 12 VOC (NC) WITH 2 PIN VARP VARP CONNECTOR (TOWER) 18.20 CONTROL CRIFICE FA STROMK VALVE 12 VOC (NC) WITH 2 PIN VARP VARP CONNECTOR (TOWER) 18.20 CONTROL CRIFICE			K	
19.20 CONTROL EA MOGGCONTROLLER 19.20 CONTROL HA HYDRALLCREMOTE WITH PUMP LINKAGE 4.5-20, bar [65-290 bt/m2] 19.20 CONTROL HB HYDRALLCREMOTE WITH PUMP LINKAGE 4.5-20, bar [65-290 bt/m2] 19.20 CONTROL HB HYDRALLCREMOTE 1.0-23, bar [160-470 bt/m2] 19.20 CONTROL HD HYDRALLCREMOTE 1.0-23, bar [160-470 bt/m2] 19.20 CONTROL HD HYDRALLCREMOTE 1.4-14, tb ta [20-20 bt/m2] 19.20 CONTROL PA PRESSURE RESPONSE PRESSURE RESPONSE 19.20 CONTROL FA PRESSURE RESPONSE PRESSURE RESPONSE 19.20 CONTROL FA PRESSURE RESPONSE PRESSURE RESPONSE 19.20 CONTROL FA PRESSURE RESPONSE PRESSURE RESPONSE 19.20 CONTROL ORFICE A O.71 [263 [DMMETER A 19.20 CONTROL ORFICE A O.71 [263 [DMMETER A 19.20 CONTROL ORFICE A O.71 [263 [DMMETER A 19.20 CONTROL ORFICE A				
19.20 CONTROL HA HYDRALLIC FRONT C 3-20 ober [65-290 bt/m2] 19.20 CONTROL HC HYDRALLIC FRUNT C 1, 0-32, 4 bar [165-290 bt/m2] 19.20 CONTROL HC HYDRALLIC FRUNT C 1, 0-32, 4 bar [165-290 bt/m2] 19.20 CONTROL HC HYDRALLIC FRUNT C 1, 4-14, 1 bar [20-205 bt/m2] 19.20 CONTROL HA PART FAIT 19.20 CONTROL HA PRESSURE RESPONSE WITH STROKING VALUE 12 VDC (NC) WITH VIRE LEADS 19.20 CONTROL HA STROKING VALUE 24 VDC (NC) WITH VIRE LEADS 19.20 CONTROL HA STROKING VALUE 24 VDC (NC) WITH VIRE LEADS 19.20 CONTROL OBRICE HA STROKING VALUE 24 VDC (NC) WITH VIRE LEADS 19.20 CONTROL OBRICE HA STROKING VALUE 24 VDC (NC) WITH VIRE LEADS 19.20 CONTROL OBRICE HA STROKING VALUE 24 VDC (NC) WITH 2 PIN VEATHERPACK CONNECTOR (DRUEEDR 19.20				
13.20 CONTROL HB HYDRALLC FRUNCT 1, 4-20, Das (FG-320, bint) 13.20 CONTROL HD HYDRALLC FRUNCT 1, 0-23, bair (FG-370, bint) 13.20 CONTROL HD HYDRALLC FRUNCT 1, 0-23, bair (FG-370, bint) 13.20 CONTROL HD HYDRALLC FRUNCT 1, 0-23, bair (FG-370, bint) 13.20 CONTROL PA PRESSURE RESPONSE FORT PLATE 13.20 CONTROL PA PRESSURE RESPONSE FORT PLATE 13.20 CONTROL RA PRESSURE RESPONSE FORT PLATE 13.20 CONTROL RA PRESSURE RESPONSE FORT PLATE 13.20 CONTROL SA STROKING VALUE 12 VDC (NG) WITH VIN RE LEADS 13.20 CONTROL SA STROKING VALUE 12 VDC (NG) WITH VIN RE LEADS 13.20 CONTROL ORIFICE O NOME STROKING VALUE 12 VDC (NG) WITH VIN RE LEADS 13.20 CONTROL ORIFICE O NOME STROKING VALUE 12 VDC (NG) WITH VIN RE LEADS 13.21 CONTROL ORIFICE O NOME STROKING VALUE 12 VDC (NG) WITH VIN RE LEADS				
19.20 CONTROL HC HYDRALLIC REMOTE 11, 0-32, 4arbit 16-470 ls/nize] 19.20 CONTROL MA MANUAL 19.20 CONTROL MA MANUAL 19.20 CONTROL MA MANUAL 19.20 CONTROL RA PRESSURE RESPONSE WITH STROMON VALVE 12 VDC (NO) WITH 2 PIN AMP CONNECTOR 19.20 CONTROL RA PRESSURE RESPONSE WITH STROMON VALVE 12 VDC (NO) WITH 2 PIN AMP CONNECTOR 19.20 CONTROL RA PRESSURE RESPONSE WITH STROMON VALVE 12 VDC (NO) WITH 2 PIN AMP CONNECTOR 19.20 CONTROL STROMON VALVE 12 VDC (NO) WITH 2 PIN AMP CONNECTOR STROMON VALVE 12 VDC (NO) WITH 2 PIN WEATHERPACK CONNECTOR (STROUD) 19.20 CONTROL ONIFICE STROMON VALVE 12 VDC (NO) WITH 2 PIN WEATHERPACK CONNECTOR (STROUD) 19.20 CONTROL ONIFICE STROMON VALVE 12 VDC (NO) WITH 2 PIN WEATHERPACK CONNECTOR (STROUD) 19.21 CONTROL ONIFICE STROMON VALVE 12 VDC (NO) WITH 2 PIN WEATHERPACK CONNECTOR (STROUD) 19.22 CONTROL ONIFICE STROMON VALVE 12 VDC (NO) WITH 2 PIN WEATHERPACK CONNECTOR (STROUD) 21 CONTROL ONIFICE STROMON VALVE 12 VDC (NO) WITH 2 PIN WEATHERPACK CONNECTOR (STROUD) <t< td=""><td></td><td></td><td></td><td></td></t<>				
19/20 CONTROL HD HYDPAULC RENOTE 1, 4-14, 1 bar [20-205 bt/in2] 19/20 CONTROL PA PORT PLATE 19/20 CONTROL PA PORT PLATE 19/20 CONTROL PA PORT PLATE 19/20 CONTROL RA PRESSURE RESPONSE PRESSURE RESPONSE 19/20 CONTROL RB PRESSURE RESPONSE WITH STROKING VALVE 24 VDC (NO, WITH VIRE LEADS 19/20 CONTROL STROKING VALVE 24 VDC (NO, WITH VIRE LEADS 19/20 CONTROL STROKING VALVE 24 VDC (NO, WITH VIRE LEADS 19/20 CONTROL STROKING VALVE 24 VDC (NO, WITH VIRE LEADS 19/20 CONTROL ONERCE STROKING VALVE 24 VDC (NO, WITH VIRE LEADS 19/20 CONTROL ONERCE STROKING VALVE 12 VDC (NO, WITH VIRE LEADS 19/21 CONTROL ONERCE B 0.91 (LogB)DAMETER 21 CONTROL ONERCE B 0.91 (LogB)DAMETER 21 CONTROL ONERCE F 1.65 (LogD)DAMETER 21 CONTROL ONERCE F 1.65 (LogD)DAMETER 21 CONTROL ONERCE				
19.20CONTROLPAPORT FLATE19.20CONTROLRAPRESSURE RESPONSE19.20CONTROLRBPRESSURE RESPONSE19.20CONTROLRCPRESSURE RESPONSE19.20CONTROLSASTROKING VALVE 24 VDC (NC) WITH WIRE LEADS19.20CONTROLSASTROKING VALVE 24 VDC (NC) WITH WIRE LEADS19.20CONTROLSASTROKING VALVE 24 VDC (NC) WITH WIRE LEADS19.20CONTROLSCSTROKING VALVE 24 VDC (NC) WITH WIRE LEADS19.20CONTROLSCSTROKING VALVE 24 VDC (NC) WITH WIRE LEADS19.20CONTROLSCSTROKING VALVE 24 VDC (NC) WITH 2 PIN WEATHERPACK CONNECTOR (SHROUD)21CONTROL ORIFICEA0.71 L028] DAMETER21CONTROL ORIFICEA0.71 L028] DAMETER21CONTROL ORIFICEC1.32 L052] DAMETER21CONTROL ORIFICEE1.45 L057] DAMETER22PRESS SETTING FOR PRESSURE RESPONSEB60 bat 11500 DMIR]23CONTROL ORIFICEE1.32 L052] DAMETER24PRESS SETTING FOR PRESSURE RESPONSEB60 bat 11500 DMIR]25PRESS SETTING FOR PRESSURE RESPONSEB60 bat 11500 DMIR]26PRESS SETTING FOR PRESSURE RESPONSEB1.32		CONTROL		HYDRAULIC REMOTE 1,4-14,1 bar [20-205 lbf/in2]
19.20CONTROLRAPRESURE RESPONSE19.20CONTROLRCPRESURE RESPONSE19.20CONTROLRCPRESURE RESPONSE19.20CONTROLSASTROKING VALVE 2 VOC (NC) WITH VIELEADS19.20CONTROLSASTROKING VALVE 2 VOC (NC) WITH VIELEADS19.20CONTROL ORIFICEONOVE21CONTROL ORIFICEA0.71 [228] DIAMETER21CONTROL ORIFICEA0.91 [238] DIAMETER21CONTROL ORIFICEA0.91 [238] DIAMETER21CONTROL ORIFICEA0.91 [238] DIAMETER21CONTROL ORIFICEF1.65 [L06] DIAMETER22PRESS SETING FOR PRESSURE RESPONSED1.38 [L073] DIAMETER23PRESS SETING FOR PRESSURE RESPONSEF2.00 [100 [L1/n2]24PRESS SETING FOR PRESSURE RESPONSEF2.00 [100 [L1/n2]25PRESS SETING FOR PRESSURE RESPONSEF2.00 [100 [L1/n2]26 <td< td=""><td></td><td></td><td></td><td></td></td<>				
19.20 CONTROL RB PRESSURE RESPONSE 19.20 CONTROL RC PRESSURE RESPONSE WITH STROKING VALVE 24 VDC /NO WITH WIRE LEADS 19.20 CONTROL SA STROKING VALVE 12 VDC /NO WITH 2 PIN CANNON SURE-SEAL CONNECTOR 19.20 CONTROL SC STROKING VALVE 12 VDC /NO WITH 2 PIN WEATHERPACK CONNECTOR (TOWER) 19.20 CONTROL SC STROKING VALVE 12 VDC /NO WITH 2 PIN WEATHERPACK CONNECTOR (SHROUD) 21 CONTROL ORIFCE A 0.711 (228) IDAMETER 21 CONTROL ORIFCE A 0.711 (228) IDAMETER 21 CONTROL ORIFCE C 1.321 (268) IDAMETER 21 CONTROL ORIFCE E 1.451 (57) IDAMETER 21 CONTROL ORIFCE E 1.451 (57) IDAMETER 21 CONTROL ORIFCE E 1.851 (73) IDAMETER 21 CONTROL ORIFCE E 1.851 (73) IDAMETER 21 CONTROL ORIFCE E 1.92 (94) IDAMETER 21 CONTROL ORIFCE E 1.92 (94) IDAMETER 21 CONTROL ORIFCE E 1.93 (108) IDAMETER 21 CONTROL ORIFCE E 1.93 (108) IDAMETER 21 CONTROL ORIFCE E 1.93 (108) IDAMETER 22 PRESS SETTING FOR PRESSURE				
19.20 CONTROL PRESSURE RESPONSE WIT STOKING VALVE 24 VDC (NG WITH WIRE LEADS 19.20 CONTROL SA STROKING VALVE 24 VDC (NG WITH VIRE LEADS 19.20 CONTROL SC STROKING VALVE 24 VDC (NG WITH VIRE LEADS 19.20 CONTROL SC STROKING VALVE 24 VDC (NG WITH VIRE LEADS 19.20 CONTROL SC STROKING VALVE 12 VDC (NG) WITH 2 PIN WEATHERPACK CONNECTOR (SHROUD) 19.21 CONTROL ORIFICE ON OWE ON OWE 21 CONTROL ORIFICE A 0.71 (203) IDAMETER 21 CONTROL ORIFICE A 0.71 (203) IDAMETER 21 CONTROL ORIFICE C 1.32 (352) IDAMETER 21 CONTROL ORIFICE C 1.32 (352) IDAMETER 21 CONTROL ORIFICE E 1.63 (37) IDAMETER 21 CONTROL ORIFICE E 1.63 (37) IDAMETER 21 CONTROL ORIFICE E 1.63 (37) IDAMETER 21 CONTROL ORIFICE G 1.63 (37) IDAMETER 22 PRESS SETTING FOR PRESSURE RESPONSE G 800				
19.20 CONTROL SE STROKING VALVE 24 VDC (NC) WITH WIRE LADS 19.20 CONTROL STROKING VALVE 12 VDC (NC) WITH 2P IN WEATHERPACK CONNECTOR (TOWER) 19.20 CONTROL ORIFICE A 0.711 (228) DAMETER 121 CONTROL ORIFICE A 0.711 (228) DAMETER 214 CONTROL ORIFICE C 1.32 (L32) DAMETER 214 CONTROL ORIFICE C 1.32 (L32) DAMETER 214 CONTROL ORIFICE C 1.32 (L32) DAMETER 214 CONTROL ORIFICE E 1.45 (L67) DAMETER 214 CONTROL ORIFICE F 1.65 (L05) DAMETER 214 CONTROL ORIFICE H 2.39 (L02) DAMETER 214 CONTROL ORIFICE J 2.50 (L02) DAMETER 214 PRESS SETTING FOR PRESSURE RESPONSE<				
19.20CONTROLSCSTROKING VALVE 12 VDC (NG) WITH 2 PIN WEATHERPACK CONNECTOR (TOWER)19.20CONTROL ORIFCE0NOWE21CONTROL ORIFCE0NOWE21CONTROL ORIFCE0NOWE21CONTROL ORIFCEB0.91 [J36] DIAMETER21CONTROL ORIFCEC1.32 [J32] DIAMETER21CONTROL ORIFCEC1.32 [J32] DIAMETER21CONTROL ORIFCEC1.32 [J32] DIAMETER21CONTROL ORIFCEF1.65 [JG5] DIAMETER21CONTROL ORIFCEF1.65 [JG5] DIAMETER21CONTROL ORIFCEF1.65 [JG5] DIAMETER21CONTROL ORIFCEF1.65 [JG5] DIAMETER21CONTROL ORIFCEH2.39 [J91 DIAMETER21PRESS SETTING FOR PRESSURE RESPONSED1.39 bar [J000 Ib/In2]22PRESS SETTING FOR PRESSURE RESPONSEF2.09 IJ36 IJ30 IJ4722PRESS SETTING FOR PRESSURE RESPONSEG2.41 bar [J300 Ib/In2]23PRESS SETTING FOR PRESSURE RESPONSEG2.41 bar [J300 Ib/In2]24PRESS SETTING FOR PRESSURE RESPONSEG2.41 bar [J30				
19.20 CONTROL SD STROKING VALVE 12 VDC (NC) WTH 2 PIN WEATHERPACK CONNECTOR (SHROUD) 21 CONTROL ORIFICE A 0,71 (0.28) [DIMETER 21 CONTROL ORIFICE B 0,91 (0.36) [DIAMETER 21 CONTROL ORIFICE C 1,122 (JA4) [DIAMETER 21 CONTROL ORIFICE D 1,32 (JG2) [DIAMETER 21 CONTROL ORIFICE F 1,45 (JG2) [DIAMETER 21 CONTROL ORIFICE F 1,45 (JG2) [DIAMETER 21 CONTROL ORIFICE F 1,45 (JG2) [DIAMETER 21 CONTROL ORIFICE H 2,39 (JO4) [DIAMETER 21 PRESS SETTING FOR PRESSURE RESPONSE C 103 bar [1500 Ib/In2] 22 PRESS SETTING FOR PRESSURE RESPONSE E 17 2bar [200 Ib/In2] 22				
21 CONTROL ONFICE 0 NONE 21 CONTROL ONFICE A 0.71 (228) IAMETER 21 CONTROL ONFICE B 0.91 (036) DIAMETER 21 CONTROL ONFICE D 1.32 (202) IAMETER 21 CONTROL ONFICE D 1.32 (202) IAMETER 21 CONTROL ONFICE E 1.45 (057) DIAMETER 21 CONTROL ONFICE F 1.65 (056) IAMETER 21 CONTROL ONFICE F 1.65 (073) DIAMETER 21 CONTROL ONFICE F 1.65 (073) DIAMETER 21 CONTROL ONFICE H 2.39 (102) DIAMETER 21 CONTROL ONFICE H 2.39 (102) DIAMETER 21 CONTROL ONFICE H 2.39 (102) DIAMETER 22 PRESS SETTING FOR PRESSURE RESPONSE D NONE 22 PRESS SETTING FOR PRESSURE RESPONSE D 138 bat (1000) Ibt/in2] 22 PRESS SETTING FOR PRESSURE RESPONSE E 172 bat (2500) Ibt/in2] 23 PRESS SETTING FOR PRESSURE RESPONSE E 172 bat (2500) Ibt/in2] 24 PRESS SETTING FOR PRESSURE RESPONSE E 172 bat (2500) Ibt/in2] 25 PRESS SETTING FOR PRESSURE RESPONSE G 241 bat (3500) Ibt/in2]				
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