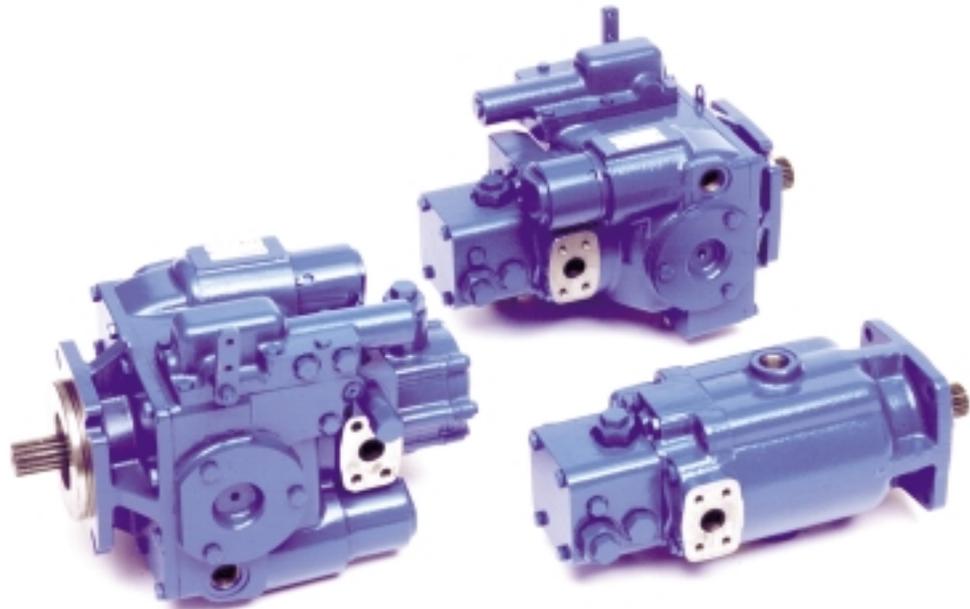




# Series 1 Model Codes



**Models 33 through 76  
Hydrostatic Transmissions**



# Series 1 Variable Pump Model Code



Code Position	Feature	Code	Feature Description
14	POWER LIMITER VALVE SETTING PORT B	E	172 bar [2500 lbf/in <sup>2</sup> ]
14	POWER LIMITER VALVE SETTING PORT B	F	207 bar [3000 lbf/in <sup>2</sup> ]
14	POWER LIMITER VALVE SETTING PORT B	G	241 bar [3500 lbf/in <sup>2</sup> ]
14	POWER LIMITER VALVE SETTING PORT B	H	276 bar [4000 lbf/in <sup>2</sup> ]
14	POWER LIMITER VALVE SETTING PORT B	J	310 bar [4500 lbf/in <sup>2</sup> ]
14	POWER LIMITER VALVE SETTING PORT B	K	345 bar [5000 lbf/in <sup>2</sup> ]
14	POWER LIMITER VALVE SETTING PORT B	L	379 bar [5500 lbf/in <sup>2</sup> ]
14	POWER LIMITER VALVE SETTING PORT B	M	414 bar [6000 lbf/in <sup>2</sup> ]
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 1 TO 6 VOLT POTENTIOMETRIC COMMAND INPUT
15,16	CONTROL	EN	ELECTRONIC PROPORTIONAL CONTROL 12 AND 24 VOLT DC AND ELECTRONIC DRIVER WITH +/-20 mA COMMAND INPUT
15,16	CONTROL	ET	ELECTRONIC PROPORTIONAL CONTROL 12 AND 24 VOLT DC AND ELECTRONIC DRIVER WITH +/- 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/in <sup>2</sup> ]
15,16	CONTROL	HB	HYDRAULIC REMOTE 1,4-14,1 bar [20-205 lbf/in <sup>2</sup> ] WITH WIDE BAND NEUTRAL
15,16	CONTROL	HC	HYDRAULIC REMOTE 3,1-14,5 bar [45-210 lbf/in <sup>2</sup> ]
15,16	CONTROL	HD	HYDRAULIC REMOTE 4,5-20,0 bar [65-290 lbf/in <sup>2</sup> ]
15,16	CONTROL	HF	HYDRUALIC REMOTE 4,5-20,0 bar [65-290 lbf/in <sup>2</sup> ] WITH WIDE BAND NEUTRAL
15,16	CONTROL	HG	HYDRAULIC REMOTE 4,5-20,0 bar [65-290 lbf/in <sup>2</sup> ] 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/in <sup>2</sup> ]
15,16	CONTROL	HJ	HYDRAULIC REMOTE 3,1-14,5 bar [45-210 lbf/in <sup>2</sup> ] 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) 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 AND NEUTRAL LOCKOUT SWITCH (NC) WITH PACKARD 2 PIN CONNECTOR
15,16	CONTROL	NB	MANUAL WITH DESTROKE VALVE (MANIFOLD) 24VDC (NO) 2 PIN WEATHERPACK CONNECTOR
15,16	CONTROL	NC	MANUAL WITH WIDE BAND NEUTRAL, INCHING VALVE WITH SEAL AND NEUTRAL LOCKOUT SWITCH (NC) WITH PACKARD 2 PIN CONNECTOR
15,16	CONTROL	ND	MANUAL WITH DESTROKE VALVE (MANIFOLD) 12VDC (NO) WITH 2 PIN WEATHERPACK 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-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, 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

## Series 1 Variable Pump Model Code



Code Position	Feature	Code	Feature Description
15,16	CONTROL	RE	REMOTE ELECTRIC WITH (NC) DESTROKE VALVE, (3) 12VDC WITH (3) 2 PIN WEATHERPAK CONNECTORS, NO DISPLACEMENT LIMITER, WITH 0,33 [.013] CONTROL SUPPLY ORIFICE
15,16	CONTROL	RF	REMOTE ELECTRIC WITH (NC) DESTROKE VALVE INCLUDING 3,58 [.141] ORIFICE, (3) 12VDC WITH (3) 2 PIN WEATHERPAK CONNECTORS, NO DISPLACEMENT LIMITER, WITH 0,33 [.013] CONTROL SUPPLY ORIFICE
15,16	CONTROL	RG	REMOTE ELECTRIC WITH (NC) DESTROKE VALVE, (3) 24VDC WITH (3) 2 PIN WEATHERPAK CONNECTORS, NO DISPLACEMENT LIMITER, WITH 0,33 [.013] CONTROL SUPPLY ORIFICE
15,16	CONTROL	RH	REMOTE ELECTRIC WITH (NC) DESTROKE VALVE INCLUDING 3,18 [.125] ORIFICE, (3) 12VDC WITH (1) 2 PIN AND (1) 4 PIN WEATHERPAK CONNECTORS, NO DISPLACEMENT LIMITER, WITH 0,33 [.013] CONTROL SUPPLY ORIFICE
17	CONTROL SUPPLY ORIFICE (P)	0	NONE
17	CONTROL SUPPLY ORIFICE (P)	A	0,71 [.028] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	B	0,91 [.036] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	C	1,12 [.044] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	D	1,32 [.052] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	E	1,45 [.057] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	F	1,65 [.065] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	G	1,85 [.073] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	H	2,39 [.094] DIAMETER
17	CONTROL SUPPLY ORIFICE (P)	J	2,59 [.102] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	0	NONE
18	CONTROL ORIFICE - UPPER SERVO (S1)	A	0,71 [.028] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	B	0,91 [.036] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	C	1,12 [.044] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	D	1,32 [.052] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	E	1,45 [.057] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	F	1,65 [.065] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	G	1,85 [.073] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	H	2,39 [.094] DIAMETER
18	CONTROL ORIFICE - UPPER SERVO (S1)	J	2,59 [.102] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	0	NONE
19	CONTROL ORIFICE - LOWER SERVO (S2)	A	0,71 [.028] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	B	0,91 [.036] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	C	1,12 [.044] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	D	1,32 [.052] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	E	1,45 [.057] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	F	1,65 [.065] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	G	1,85 [.073] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	H	2,39 [.094] DIAMETER
19	CONTROL ORIFICE - LOWER SERVO (S2)	J	2,59 [.102] DIAMETER
20	PRESS OVERRIDE	0	NONE
20	PRESS OVERRIDE	2	INTERNAL PRESSURE OVERRIDE
20	PRESS OVERRIDE	5	INTERNAL PRESSURE OVERRIDE EXTERNALLY ADJUSTABLE
21	PRESS SETTING FOR PRESSURE OVERRIDE	0	NONE
21	PRESS SETTING FOR PRESSURE OVERRIDE	C	103 bar [1500 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	D	138 bar [2000 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	E	172 bar [2500 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	F	207 bar [3000 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	G	241 bar [3500 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	H	276 bar [4000 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	J	310 bar [4500 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	K	345 bar [5000 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	L	379 bar [5500 lbf/in <sup>2</sup> ]
21	PRESS SETTING FOR PRESSURE OVERRIDE	M	414 bar [6000 lbf/in <sup>2</sup> ]
22	CONTROL SPECIAL FEATURES	0	NO CONTROL SPECIAL FEATURES
22	CONTROL SPECIAL FEATURES	N	MANUAL CONTROL LEVER WITH EXTERNAL TORSION SPRING MECHANISM FOR NEUTRAL RETURN
22	CONTROL SPECIAL FEATURES	S	MANUAL CONTROL LEVER WITH TWO 1/4-28 UNF ATTACHMENT HOLES LOCATED AT 85,7 [3.375] AND 98,4 [3.875] FROM CONTROL SHAFT MOUNTING HOLE. LEVER MOUNTED PARALLEL TO PUMP DRIVE SHAFT TOWARDS MOUNTING FLANGE
22	CONTROL SPECIAL FEATURES	V	INCHING CONTROL LEVER WITH TWO 1/4-28 UNF ATTACHMENT HOLES LOCATED AT 85,7 [3.375] AND 98,4 [3.875] FROM INCHING SHAFT MOUNTING HOLE
22	CONTROL SPECIAL FEATURES	Y	MANUAL CONTROL LEVER WITH TWO 1/4-28 UNF ATTACHMENT HOLES LOCATED AT 85,7 [3.375] AND 98,4 [3.875] FROM CONTROL SHAFT MOUNTING HOLE
23	CHARGE PUMP	0	CHARGE PUMP INCLUDED
23	CHARGE PUMP	A	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	CHARGE PUMP	B	CHARGE PUMP WITH INTEGRAL PRESSURE FILTER MOUNTED ON THE -B- PORT SIDE
23	CHARGE PUMP	D	CHARGE PUMP WITH EXTERNAL DISCHARGE PORT FOR 7/8-14 UNF SAE O-RING FITTING, WITH STEEL HEX PLUG
23	CHARGE PUMP	E	NO CHARGE PUMP
23	CHARGE PUMP	G	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	H	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	T	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	O	NO AUXILIARY MOUNTING
24	AUXILIARY MOUNTING	A	SAE A-PAD (DRY)
24	AUXILIARY MOUNTING	B	SAE B-PAD (DRY)
24	AUXILIARY MOUNTING	C	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	AUXILIARY MOUNTING	R	SAE A-PAD WITH 11 TOOTH 16/32 PITCH INTERNAL SPLINE (WET)
24	AUXILIARY MOUNTING	S	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, TUBE FITTING (STRAIGHT FOR MODELS 33-46)
24	AUXILIARY MOUNTING	T	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 cm <sup>3</sup> /r [0.85 in <sup>3</sup> /r]
25	CHARGE PUMP DISPLACEMENT	2	17,4 cm <sup>3</sup> /r [1.06 in <sup>3</sup> /r]
25	CHARGE PUMP DISPLACEMENT	3	21,0 cm <sup>3</sup> /r [1.28 in <sup>3</sup> /r]
25	CHARGE PUMP DISPLACEMENT	4	27,9 cm <sup>3</sup> /r [1.70 in <sup>3</sup> /r]
25	CHARGE PUMP DISPLACEMENT	5	34,7 cm <sup>3</sup> /r [2.12 in <sup>3</sup> /r]
26	2nd DISPLACEMENT OF DUAL ELEMENT	0	NO DUAL ELEMENT
27	CHARGE PRESSURE REL VALVE SETTING	0	NONE
27	CHARGE PRESSURE REL VALVE SETTING	D	15 bar [220 lbf/in <sup>2</sup> ] - STANDARD
27	CHARGE PRESSURE REL VALVE SETTING	G	19 bar [280 lbf/in <sup>2</sup> ]
27	CHARGE PRESSURE REL VALVE SETTING	K	23 bar [340 lbf/in <sup>2</sup> ]
27	CHARGE PRESSURE REL VALVE SETTING	N	28 bar [410 lbf/in <sup>2</sup> ]
28	CHARGE PUMP SPECIAL FEATURES	0	NO CHARGE PUMP SPECIAL FEATURES
28	CHARGE PUMP SPECIAL FEATURES	A	STEEL CORE CHARGE PUMP GASKET
28	CHARGE PUMP SPECIAL FEATURES	C	90 DEGREE BARBED INLET FITTING FOR [1.00] ID HOSE
28	CHARGE PUMP SPECIAL FEATURES	M	CHARGE INLET MANIFOLD WITH CHARGE RELIEF VALVE
28	CHARGE PUMP SPECIAL FEATURES	N	STEEL CORE CHARGE PUMP GASKET AND CHARGE INLET MAINIFOLD WITH CHARGE RELIEF VALVE
28	CHARGE PUMP SPECIAL FEATURES	P	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	SPECIAL PUMP ASSEMBLY FEATURES	00	NO SPECIAL FEATURES
29,30	SPECIAL PUMP ASSEMBLY FEATURES	15	REAR PUMP UNIT FOR TANDEM PUMP ASSEMBLY (NO SHAFT SEAL)
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

## Series 1 Variable Pump Model Code



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	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	B	B

# 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	
<input type="text"/>																																	

## 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	
<input type="text"/>																							

## Variable 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	24	25	26	27	28	29	
<input type="text"/>																													



## Fixed Motor Model Code



Code 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	P	STANDARD END COVER, SHUTTLE VALVE BLOCK WITH HIGH-RATE SHUTTLE VALVE SPRINGS
12	CHARGE PRESSURE RELIEF VALVE	0	NO RELIEF VALVE
12	CHARGE PRESSURE RELIEF VALVE	1	STANDARD
12	CHARGE PRESSURE RELIEF VALVE	2	ORIFICED CHARGE PRESSURE RELIEF VALVE (FOR COMPOSITE VALVE BLOCKS ONLY)
13	CHARGE PRESSURE RELIEF VALVE SETTING	0	NONE
13	CHARGE PRESSURE RELIEF VALVE SETTING	B	11 bar [160 lbf/in <sup>2</sup> ]
13	CHARGE PRESSURE RELIEF VALVE SETTING	E	15,2 bar [220 lbf/in <sup>2</sup> ]
13	CHARGE PRESSURE RELIEF VALVE SETTING	F	16,6 bar [240 lbf/in <sup>2</sup> ]
13	CHARGE PRESSURE RELIEF VALVE SETTING	H	19,3 bar [280 lbf/in <sup>2</sup> ]
13	CHARGE PRESSURE RELIEF VALVE SETTING	J	20,7 bar [300 lbf/in <sup>2</sup> ]
13	CHARGE PRESSURE RELIEF VALVE SETTING	L	22,5 bar [326.6 lbf/in <sup>2</sup> ]
14	HIGH PRESSURE RELIEF VALVE - PORT A	0	NONE
14	HIGH PRESSURE RELIEF VALVE - PORT A	1	STANDARD
14	HIGH PRESSURE RELIEF VALVE - PORT A	3	STANDARD WITH THREADED RETAINER
15	HIGH PRESSURE REL VALVE SETTING - PORT A	0	NONE
15	HIGH PRESSURE REL VALVE SETTING - PORT A	B	69 bar [1000 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	C	103 bar [1500 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	D	138 bar [2000 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	E	172 bar [2500 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	F	207 bar [3000 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	G	241 bar [3500 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	H	276 bar [4000 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	J	310 bar [4500 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	K	345 bar [5000 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	L	379 bar [5500 lbf/in <sup>2</sup> ]
15	HIGH PRESSURE REL VALVE SETTING - PORT A	M	414 bar [6000 lbf/in <sup>2</sup> ]
16	HIGH PRESSURE RELIEF VALVE - PORT B	0	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	HIGH PRESSURE REL VALVE SETTING - PORT B	B	69 bar [1000 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	C	103 bar [1500 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	D	138 bar [2000 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	E	172 bar [2500 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	F	207 bar [3000 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	G	241 bar [3500 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	H	276 bar [4000 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	J	310 bar [4500 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	K	345 bar [5000 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	L	379 bar [5500 lbf/in <sup>2</sup> ]
17	HIGH PRESSURE REL VALVE SETTING - PORT B	M	414 bar [6000 lbf/in <sup>2</sup> ]
18	SPEED SENSOR	0	NO SPEED SENSOR
18	SPEED SENSOR	A	MAGNETIC SENSOR WITH 2 WIRE WEATHER PACK CONNECTOR
18	SPEED SENSOR	B	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 VALVE IN THE COMPOSITE VALVE BLOCK
19,20	SPECIAL FEATURES	32	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	B	B



# Variable Motor Model Code

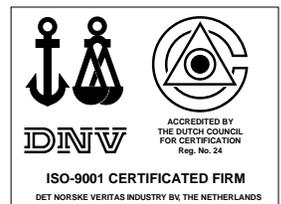


Code Position	Feature	Code	Feature Description
16	HIGH PRESSURE REL VALVE SETTING - PORT A	F	207 bar [3000 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	G	241 bar [3500 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	H	276 bar [4000 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	J	310 bar [4500 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	K	345 bar [5000 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	L	379 bar [5500 lbf/in2]
16	HIGH PRESSURE REL VALVE SETTING - PORT A	M	414 bar [6000 lbf/in2]
17	CMPST VLV BLK HIGH PRESS REL VLV- PORT B	0	NONE
17	CMPST VLV BLK HIGH PRESS REL VLV- PORT B	1	STANDARD
17	CMPST VLV BLK HIGH PRESS REL VLV- PORT B	3	STANDARD WITH THREADED RETAINER
18	HIGH PRESSURE REL VALVE SETTING - PORT B	0	NONE
18	HIGH PRESSURE REL VALVE SETTING - PORT B	B	69 bar [1000 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	C	103 bar [1500 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	D	138 bar [2000 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	E	172 bar [2500 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	F	207 bar [3000 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	G	241 bar [3500 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	H	276 bar [4000 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	J	310 bar [4500 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	K	345 bar [5000 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	L	379 bar [5500 lbf/in2]
18	HIGH PRESSURE REL VALVE SETTING - PORT B	M	414 bar [6000 lbf/in2]
19,20	CONTROL	EA	MOOG CONTROLLER
19,20	CONTROL	HA	HYDRAULIC REMOTE WITH PUMP LINKAGE 4,5-20,0 bar [65-290 lbf/in2]
19,20	CONTROL	HB	HYDRAULIC REMOTE 4,5-20,0 bar [65-290 lbf/in2]
19,20	CONTROL	HC	HYDRAULIC REMOTE 11,0-32,4 bar [160-470 lbf/in2]
19,20	CONTROL	HD	HYDRAULIC REMOTE 1,4-14,1 bar [20-205 lbf/in2]
19,20	CONTROL	MA	MANUAL
19,20	CONTROL	PA	PORT PLATE
19,20	CONTROL	RA	PRESSURE RESPONSE WITH STROKING VALVE 12 VDC (NC) WITH 2 PIN AMP CONNECTOR
19,20	CONTROL	RB	PRESSURE RESPONSE
19,20	CONTROL	RC	PRESSURE RESPONSE WITH STROKING VALVE 24 VDC (NC) WITH WIRE LEADS
19,20	CONTROL	SA	STROKING VALVE 12 VDC (NC) WITH 2 PIN CANNON SURE-SEAL CONNECTOR
19,20	CONTROL	SB	STROKING VALVE 24 VDC (NC) WITH WIRE LEADS
19,20	CONTROL	SC	STROKING VALVE 12 VDC (NC) WITH 2 PIN WEATHERPACK CONNECTOR (TOWER)
19,20	CONTROL	SD	STROKING VALVE 12 VDC (NC) WITH 2 PIN WEATHERPACK CONNECTOR (SHROUD)
21	CONTROL ORIFICE	0	NONE
21	CONTROL ORIFICE	A	0,71 [.028] DIAMETER
21	CONTROL ORIFICE	B	0,91 [.036] DIAMETER
21	CONTROL ORIFICE	C	1,12 [.044] DIAMETER
21	CONTROL ORIFICE	D	1,32 [.052] DIAMETER
21	CONTROL ORIFICE	E	1,45 [.057] DIAMETER
21	CONTROL ORIFICE	F	1,65 [.065] DIAMETER
21	CONTROL ORIFICE	G	1,85 [.073] DIAMETER
21	CONTROL ORIFICE	H	2,39 [.094] DIAMETER
21	CONTROL ORIFICE	J	2,59 [.102] DIAMETER
22	PRESS SETTING FOR PRESSURE RESPONSE	0	NONE
22	PRESS SETTING FOR PRESSURE RESPONSE	B	69 bar [1000 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	C	103 bar [1500 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	D	138 bar [2000 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	E	172 bar [2500 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	F	207 bar [3000 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	G	241 bar [3500 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	H	276 bar [4000 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	J	310 bar [4500 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	K	345 bar [5000 lbf/in2]
22	PRESS SETTING FOR PRESSURE RESPONSE	M	414 bar [6000 lbf/in2]
23	CONTROL SPECIAL FEATURES	0	NO SPECIAL FEATURES
24	SPEED SENSOR	0	NO SPEED SENSOR
24	SPEED SENSOR	A	MAGNETIC SPEED SENSOR WITH 2-WIRE WEATHER PACK CONNECTOR
24	SPEED SENSOR	B	DIGITAL SPEED SENSOR WITH 3-WIRE WEATHER PACK CONNECTOR
25,26	SPECIAL FEATURES	00	NO SPECIAL FEATURES
25,26	SPECIAL FEATURES	03	EXTERNALLY ADJUSTABLE SERVO PISTON STOP - TOP SERVO SLEEVE
25,26	SPECIAL FEATURES	06	BYPASS VALVE - SPOOL STEM IS ON THE OPPOSITE SIDE FROM THE LOW PRESSURE RELIEF VALVE IN THE COMPOSITE VALVE BLOCK
25,26	SPECIAL FEATURES	27	EXTERNALLY ADJUSTABLE SERVO PISTON STOPS - TOP AND BOTTOM SERVO SLEEVES
25,26	SPECIAL FEATURES	30	BYPASS VALVE - SPOOL STEM IS ON THE OPPOSITE SIDE FROM THE LOW PRESSURE RELIEF VALVE IN THE COMPOSITE VALVE BLOCK, AND CHARGE PRESSURE GAUGE PORT WITH INTERNAL HEX PLUG
27	PAINT AND PACKAGING	B	PAINTED PRIMER BLUE (STANDARD)
27	PAINT AND PACKAGING	J	RUST PREVENTATIVE SPRAY
28	IDENTIFICATION ON UNIT	0	STANDARD
29	DESIGN CODE	A	A

Information contained in this catalog is accurate as of the publication date and is subject to change without notice. Performance values are typical values. Customers are responsible for selecting products for their applications using normal engineering methods.

**Eaton Hydraulics**  
14615 Lone Oak Road  
Eden Prairie, MN 55344  
Telephone: (888) 258-0222  
Fax: 952 974-7722  
[www.eatonhydraulics.com](http://www.eatonhydraulics.com)

46 New Lane, Havant  
Hampshire PO9 2NB  
England  
Telephone: (44) 170-548-6451  
Fax: (44) 170-548-7110



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