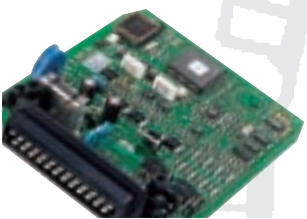
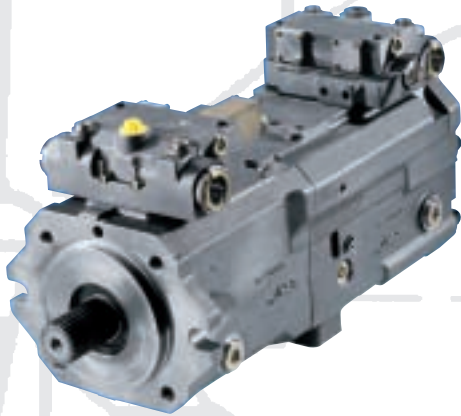


EDITION V

MODEL CODES



Linde

Linde Hydraulics Corporation

P.O. Box 82
5089 Western Reserve Road
Canfield, Ohio 44406

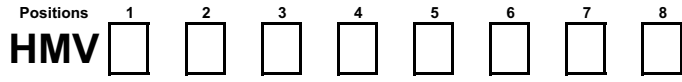
Telephone: (330) 533-6801

Fax: (330) 533-8383

www.lindeamerica.com

E-mail: info@lindeamerica.com

Model Code for HMV -02 Series Variable Displacement Motors



Example:

HMV 210 E1 M 1 H I E F

FRAME SIZE						
55	75	105	135	135D	165	210
●	-	-	-	-	-	-
-	●	-	-	-	-	-
-	-	●	-	-	-	-
-	-	-	●	-	-	-
-	-	-	-	●	-	-
-	-	-	-	-	●	-
-	-	-	-	-	-	●

1 DISPLACEMENT

- 055 - 54.8 cc/r (3.35 cir)
- 075 - 75.9 cc/r (4.63 cir)
- 105 - 105 cc/r (6.41 cir)
- 135 - 135.6 cc/r (8.27 cir)
- 135D - 2x135.6 cc/r (2x8.27 cir)
- 165 - 165 cc/r (10.07 cir)
- 210 - 210 cc/r (12.81 cir)

●	●	●	●	●	●	●
●	●	●	●	●	●	●
○	○	○	○	○	○	○
●	●	●	●	●	●	●
●	●	●	●	●	●	●
○	○	○	○	○	○	○
○	○	○	○	-	○	○
○	○	○	○	-	○	○

2 CONTROL TYPE

- E1 - Electric Infinitely Variable Control.
- E2 - Electric Two Position Control. (2-Speed)
- E4 - Electric Infinitely Variable (E1) w/ Zero Displacement.
- H1 - Hydraulic Infinitely Variable Control.
- H2 - Hydraulic Two Position Control. (2-Speed)
- H4 - Hydraulic Infinitely Variable (H1) w/ Zero Displacement.
- EH1P - H1 Control w/ Pressure Override, & Electric Displacement Override. (Hydraulic Override Available.)
- EH1PB - H1 Control w/ Pressure Override, Electric Displ. Override & Electric Brake Pressure Shut off. (Hyd. Avail.)

NOTE: E1, E2, H1, and H2 require an external servo supply pressure.

●	●	●	●	○	●	●
○	○	○	○	○	○	○
-	-	-	-	●	-	-
○	○	○	○	○	○	○

3 CONTROL RANGE

- L - 8-14 bar (116-203 psi)
- M - 10-16 bar (145-232 psi)
- N - 4-16 bar (58-232 psi)
- X - Not Applicable (E2 and H2 Controls, Pos. 2)

Must Specify w/ Electric Controls.						
●	●	●	●	●	●	●
●	●	●	●	●	●	●
○	○	○	○	○	○	○

4 VOLTAGE

- 1 - 12 Volt DC (E1, E2, E4, EH1P, & EH1PB Controls Only.)
- 2 - 24 Volt DC (E1, E2, E4, EH1P, & EH1PB Controls Only.)
- X - Not Applicable (H1, H2, or H4 Controls, Pos. 2)

Must Specify w/ Electric Controls.						
○	○	○	○	○	○	○
●	●	●	●	●	●	●
○	○	○	○	○	○	○

5 CONNECTOR TYPE

- A - AMP Junior-Timer (E1, E2, E4, EH1P, & EH1PB Controls Only.)
- H - Hirschmann (E1, E2, E4, EH1P, & EH1PB Controls Only.)
- X - Not Applicable (H1, H2, or H4 Controls, Pos. 2)

●	●	●	●	-	-	-
▲	▲	▲	○	●	●	●

6 PORTING

- D - Metric Straight Thread Flat Face Port (DIN 3852)
- I - Metric Straight Thread O-Ring Port (ISO 6149)

NOTE: High Pressure Work Ports "A" and "B" are SAE Code 62 with Metric Threads (ISO 6162).

●	●	●	-	-	-	-
-	-	-	●	●	●	-
-	-	-	-	-	-	●
-	-	○	○	-	○	-

7 MOUNTING

- C - SAE C, 2-Bolt
- D - SAE D, 2-Bolt
- E - SAE E, 4-Bolt
- P - Plug-In

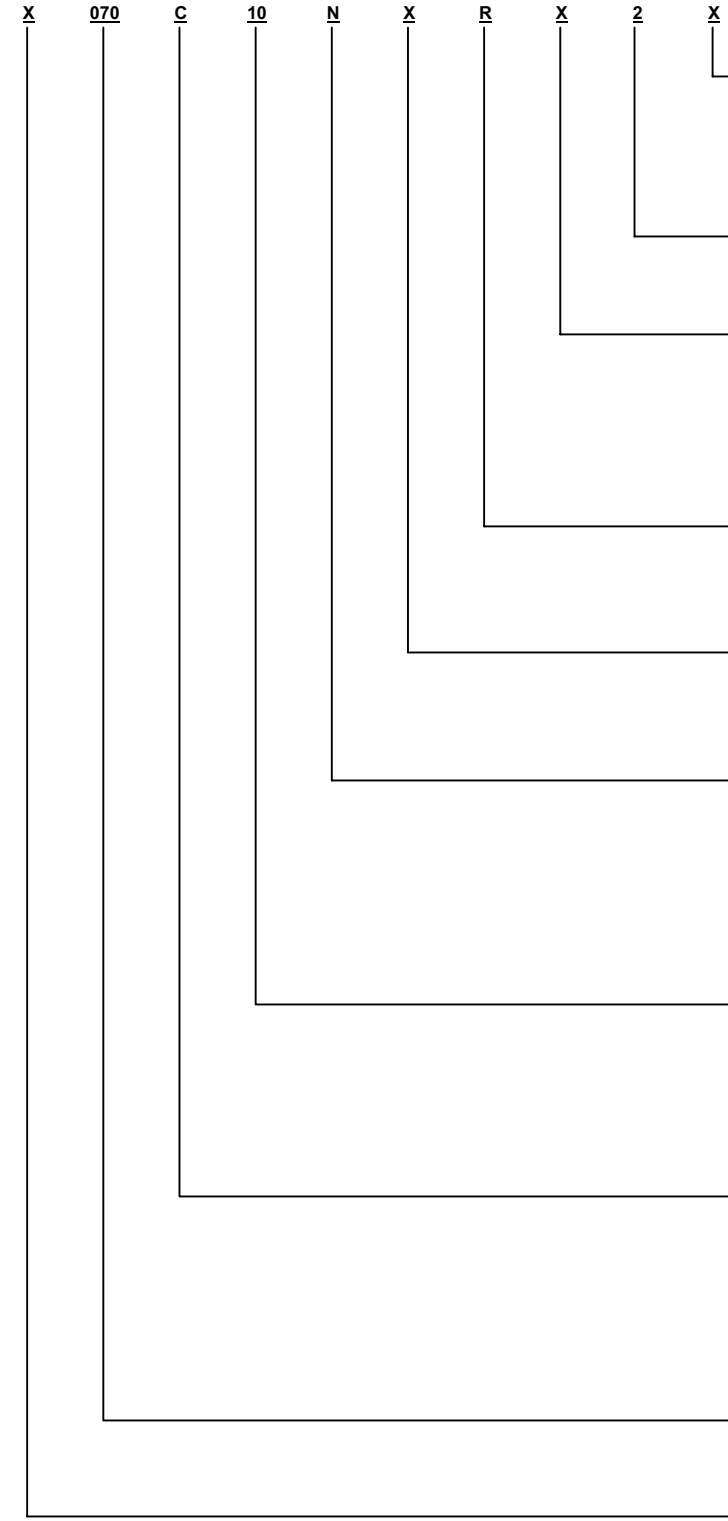
All Shafts are ANSI B92.1						
●	●	●	-	-	-	-
-	-	-	●	-	●	-
-	-	-	-	-	-	●
○	○	-	-	-	-	-
-	-	○	-	-	-	-
-	-	-	○	●	○	▲

8 SHAFT

- C - SAE C 14T, 12/24 dP
- D - SAE D 13T, 8/16 dP
- F - SAE F 15T, 8/16 dP
- H - ANSI 21T, 16/32 dP
- 23T, 16/32 dP
- 27T, 16/32 dP

Model Code for HMV -02 Series Variable Displacement Motors

9 10 11 12 13 14 15 16 17 18



S = _____
 (Only when "S" is selected in pos. 18. Specify requirement(s). Otherwise omit "S ="

18 SPECIALS

X - None
 S - Call out requirement in clear text or use specified code from factory.

FRAME SIZE						
55	75	105	135	135D	165	210
●	●	●	●	●	●	●
c	c	c	c	c	c	c

17 PRODUCTION LEVEL

2 - Assigned at Factory

●	●	●	●	●	●	●
---	---	---	---	---	---	---

16 COUNTER BALANCE VALVE

X - Without Counter Balance Valve
 T - Track Applications
 W - Wheel Applications
 H - Hoist Applications

DECCELERATION VALVE						
●	●	●	●	●	●	●
-	○	○	○	-	-	-
-	○	○	○	-	-	-
-	○	○	○	-	-	-

15 PORT ORIENTATION

A - Radial Ports (Side)
 B - Axial Ports (Rear)

●	●	●	●	●	●	●
○	○	○	○	○	○	○

14 CROSSOVER RELIEF

X - Without High Pressure Crossover Relief
 ___ - Specify setting in bar. (For P Only in Pos.11)

Specify Setting in BAR. (1 bar = 14.5 psi)

●	●	●	●	●	●	●
○	○	○	○	○	○	○

13 PURGE FLOW

N - Normal (Open Loop - ~4 lpm (~1 gpm),
 Closed Loop - ~10 lpm (~2.6 gpm))
 R - 50% Reduced (Closed Loop Only)
 X - None. (Only applies when
 "X - Without Purge Relief Valve" is selected in Pos. 12)

●	●	●	●	●	●	●
○	○	○	○	○	○	○
○	○	○	○	○	○	○

12 PURGE RELIEF

10 - 10 bar (145 psi) - (Closed Loop Only)
 14 - 14 bar (203 psi) - (Closed Loop Only)
 5 - 5 bar (73 psi) - (Open Loop)
 X - Without Purge Relief Valve

●	●	●	●	●	●	●
○	○	○	○	○	○	○
●/○	●/○	●/○	●/○	●/○	●/○	●/○
○	○	○	○	○	○	○

11 PURGE / FLUSHING

B - Blocked
 C - Closed Loop (Purge Relief - 10 bar)
 O - Open Loop (Flow Control - 5 bar)
 P - Plain (Without purge)
 (Use with Cross Over Relief. Pos. 14)

○	○	○	○	○	○	○
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●

10 MIN DISPLACEMENT

___ - Specify Setting in cc/rev.

1 cc/rev = 0.061 cir

●	●	●	●	●	●	●
---	---	---	---	---	---	---

9 MAX DISPLACEMENT

X - Standard Setting. Unit Not Destroyed.
 ___ - Specify Setting in cc/rev.

1 cc/rev = 0.061 cir

●	●	●	●	●	●	●
○	○	○	○	○	○	○

- = Standard
- = Option
- c = Special, Consult Factory
- = Not Available
- * = With Restriction(s)
- ▲ = In Development. Consult Factory.