

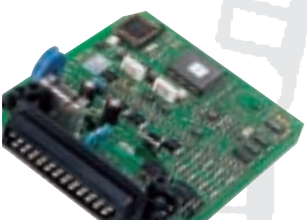
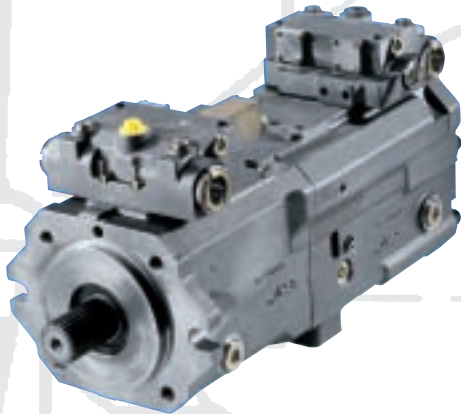
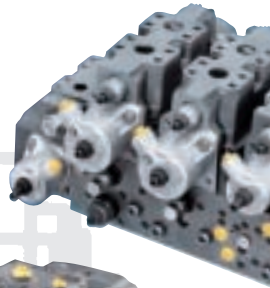
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EDITION V

MODEL CODES



Linde

Linde Hydraulics Corporation

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

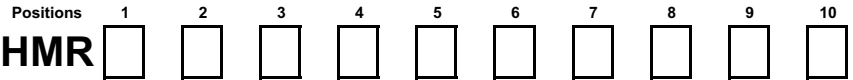
Telephone: (330) 533-6801

Fax: (330) 533-8383

www.lindeamerica.com

E-mail: info@lindeamerica.com

Model Code for HMR -02 Series Pressure Regulated Motors



Example: **HMR**

| FRAME SIZE | | | | |
|------------|----|-----|-----|-----|
| 55 | 75 | 105 | 135 | 165 |
| ● | - | - | - | - |
| - | ● | - | - | - |
| - | - | ● | - | - |
| - | - | - | ● | - |
| - | - | - | - | ● |

1 DISPLACEMENT

- 055 - 54.7 cc/r (3.33 cir)
- 075 - 75.9 cc/r (4.63 cir)
- 105 - 105 cc/r (6.41 cir)
- 135 - 135.6 cc/r (8.27 cir)
- 165 - 165 cc/r (10.07 cir)

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ |

2 CONTROL

- R - System Pressure Regulating Control
- L - Regulator for Two Position Control (Default to Max, Shift to Min.)
- H - Regulator for Two Position Control (Default to Min, Shift to Max.)

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ |

3 CONTROL OPTION

- B - Bi-Directional Regulator Shuttle
- UA - Uni-Directional, Pressure Port "A" is Regulated
- UB - Uni-Directional, Pressure Port "B" is Regulated
- N - None (External Feed to Regulator)

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ |

4 DISPLACEMENT OVERRIDE

- E - Electric (Specify Voltage in Pos. 5 & Connector in Pos. 6)
- H - Hydraulic (High Pressure)
- L - Hydraulic (Low Pressure, 20-30 bar (290-435 psi))
- P - Pneumatic
- X - Not Applicable

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |

5 VOLTAGE

- 1 - 12 Volt DC (E Displacement Override Only, Pos. 4)
- 2 - 24 Volt DC (E Displacement Override Only, Pos. 4)
- X - Not Applicable (H, L, P, or X Displacement Override, Pos. 4)

| | | | | |
|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ |
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |

6 CONNECTOR TYPE

- A - AMP Junior-Timer (E Displacement Override Only, Pos. 4)
- H - Hirschmann (E Displacement Override Only, Pos. 4)
- X - Not Applicable (H, L, P, or X Displacement Override, Pos. 4)

| 1 bar = 14.5 psi | | | | |
|------------------|---|---|---|---|
| ● | ● | ● | ● | ● |

7 REGULATION BEGIN

___ - Specify Setting in BAR.

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ▲ |
| ▲ | ▲ | ▲ | ▲ | ● |

8 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).

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | - | - |
| - | - | - | ● | ● |
| - | - | ○ | ○ | ▲ |

9 MOUNTING

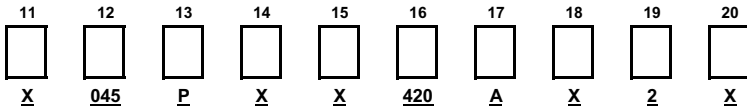
- C - SAE C, 2-Bolt
- D - SAE D, 2-Bolt
- P - Plug-In

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

10 SHAFT

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

Model Code for HMR -02 Series Pressure Regulated Motors



S = _____
 (Only when "S" is selected in pos. 20. Specify requirement(s)). Otherwise omit "S ="

20 SPECIALS

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

| FRAME SIZE | | | | |
|------------|----|-----|-----|-----|
| 55 | 75 | 105 | 135 | 165 |
| ● | ● | ● | ● | ● |
| c | c | c | c | c |

19 PRODUCTION LEVEL

2 - Assigned at Factory

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ● |
|---|---|---|---|---|

18 COUNTER BALANCE VALVE

X - None
 T - Track Applications
 W - Wheel Applications

| DECELERATION VALVE | | | | |
|--------------------|---|---|---|---|
| ● | ● | ● | ● | ● |
| - | ○ | ○ | ○ | - |
| - | ○ | ○ | ○ | - |

17 PORT ORIENTATION

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

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ○ |
| ○ | ○ | ○ | ○ | ● |

16 CROSS OVER RELIEF (COR)

X - Not Applicable with B, C, & O Purge (Pos. 13)
 ___ - Specify setting in bar. (For P Only in Pos.13)

| 1 bar = 14.5 psi | | | | |
|------------------|---|---|---|---|
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |

15 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" is selected in Pos. 14)

| | | | | |
|---|---|---|---|---|
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ |

14 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

| | | | | |
|-----|-----|-----|-----|-----|
| ● | ● | ● | ● | ● |
| ○ | ○ | ○ | ○ | ○ |
| ●/○ | ●/○ | ●/○ | ●/○ | ●/○ |
| ○ | ○ | ○ | ○ | ○ |

13 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. 16)

| | | | | |
|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ |
| ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● |

12 MIN DISPLACEMENT

___ - Specify Setting in cc/rev.

| 1 cc/rev = 0.061 cir | | | | |
|----------------------|---|---|---|---|
| ● | ● | ● | ● | ● |

11 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.