

Hydraulic motor- HMM



Pos.	1	2	3	4	5	6	7
HMM							

Pos. 1-Figuration

A - oil port on the bottom

B - oil port on the side

Pos. 2-Displacement (ml/r)

A - 8, B -12.5, C -16, D -20, E -32, F -40, G -50

Pos. 3-Flange & Pilot (mm)

A - circle-flange, 3-M6 bolts distributing circle ϕ 45, pilot ϕ 31.5X5

B - circle-flange, 3-1/4-28UNF bolts distributing circle ϕ 45,pilot ϕ 31.5X5

C - rhombus flange,2- ϕ 9 center space 80, pilot ϕ 63X2

Pos. 4-Shaft & Key (mm)

A - cylinder shaft; ϕ 16X28.5 parallel key:5x5x16, link thread: M6

B - cylinder shaft; ϕ 15.875X28.5,parallel key:4.8x4.8x19.35, link thread: 1/4-28UNF-2B

C- Involute splind shaft: B17x14 DIN5482, Link thread: M6

Pos.5-Oil port

A - 2-G3/8

B - 9/16-18UNF

Pos.6-Drain port

A - None

B - G1/8

C - 3/8-24UNF

Pos.7-Special

A - None

Hydraulic motor- BM1



Pos.	1	2	3	4	5	6	7	8
BM1								

Pos. 1-Figuration

H parallel port L line port S S port



Pos. 2-Displacement (ml/r)

A – 50, B – 63, C – 80, D – 100, E – 125, F – 160, G – 200, H – 250, I – 315, J - 400

Pos. 3-Flange & Pilot (mm)

A - rhombus flange, 2- ϕ 13.5 bolt center space 106.4, pilot ϕ 82.5X5

B - square flange 83X83, 4-3/8-16UNC bolt distributing circle ϕ 82.55 ,pilot ϕ 44.4X2.8

C - 6 bolt rhombus flange, 6- ϕ 13.5 bolt distributing circle ϕ 106.4, pilot ϕ 82.5X5

D - 4 bolt rhombus flange, 4- ϕ 13.5 bolt distributing circle ϕ 106.4, pilot ϕ 82.5X5

E - rectangle flange 130X90, 4- ϕ 11 bolt distributing 105X65, pilot ϕ 80X5

F - rectangle flange 130X90, 4- ϕ 11 bolt distributing 105X65, pilot ϕ 85X5

G - square flange 90X90, 4- ϕ 11 bolt distributing 70X70, pilot ϕ 80X5

H - rhombus flange, 2- ϕ 13.5 bolt center space 106.4, pilot ϕ 82.5X2.8

Pos. 4-Shaft & Key (mm)

A - cylinder shaft; ϕ 25.4X39 woodruff key: ϕ 25.4X6.35 link thread: 1/4-20UNC

B - cylinder shaft; ϕ 25.4X40 parallel key: 6.35X6.35X32, link thread: M8

C - rectangle spline shaft: 25.3X39, 6-25.3X21.5X6.25, link thread:1/4-20UNC

D - involute spline shaft: ϕ 22X33,13teeth, DP16/32

E - cylinder shaft; ϕ 25.4X40 parallel key: 6.35X6.35X32, link thread: 1/4-20UNC

F - cylinder shaft; ϕ 25X40 parallel key: 8X7X28 link thread: M8

G - rectangle spline shaft: ϕ 25X40, 6-25X21X5 link thread: M8

H - rectangle spline shaft: ϕ 25X40, 6-25X21X6 link thread: M8

I - cone shaft: ϕ 25.4, taper: 1:8 woodruff key: ϕ 25.4X6.35

J - cylinder shaft; ϕ 25.4 pin hole: ϕ 10.3

K - cylinder shaft; ϕ 25X40 parallel key: 8X7X32 link thread: M8

L - cylinder shaft; ϕ 25X40 parallel key: 8X7X32 link thread: 1/4-20unf

M - cylinder shaft; ϕ 25X43 parallel key: 8X7X32 link thread: M8

Pos.5-Oil port

A – 2-G1/2

B – 2-M22X1.2

C – 2-7/8-14UNF SAE

D – 2-1/2-14NPTF

E – 2-PT 1/2

F – 2-M20X1.5

Pos.6-Link thread on port surface

A – None

B – 4-M8

C – 4-5/16-UNC

Pos.7-Drain port

A – None

B- M14X1.5

C – G1/4

D – 7/16-20UNF

E – M10X1

F – ZG1/4

Pos.8-Special

A – standard

B – add 2 radial bearing

Hydraulic motor- BM2



Pos.	1	2	3	4	5	6	7	8
BM2								

Pos. 1-Figuration

H L S
parallel port line port S port



Pos. 2-Displacement (ml/r)

A – 50, B – 63, C – 80, D – 100, E – 125, F – 160, G – 200, H – 250, I – 315, J – 400, K - 500

Pos. 3-Flange & Pilot (mm)

A - rhombus flange, 2- ϕ 13.5 bolt center space 106.4, pilot ϕ 82.5X5

B - square flange 83X83, 4-3/8-16UNC bolt distributing circle ϕ 82.55 ,pilot ϕ 44.4X2.8

C - 6 bolt rhombus flange, 6- ϕ 13.5 bolt distributing circle ϕ 106.4, pilot ϕ 82.5X5

D - 4 bolt rhombus flange, 4- ϕ 13.5 bolt distributing circle ϕ 106.4, pilot ϕ 82.5X5

E - rectangle flange 130X90, 4- ϕ 11 bolt distributing 105X65, pilot ϕ 80X5

F - rectangle flange 130X90, 4- ϕ 11 bolt distributing 105X65, pilot ϕ 85X5

G - square flange 90X90, 4- ϕ 11 bolt distributing 70X70, pilot ϕ 80X5

H - rhombus flange, 2- ϕ 13.5 bolt center space 106.4, pilot ϕ 82.5X2.8

Pos. 4-Shaft & Key (mm)

A - cylinder shaft; ϕ 25.4X39 woodruff key: ϕ 25.4X6.35 link thread: 1/4-20UNC

B - cylinder shaft; ϕ 25.4X40 parallel key: 6.35X6.35X32, link thread: M8

C - rectangle spline shaft: 25.3X39, 6-25.3X21.5X6.25, link thread:1/4-20UNC

D - involute spline shaft: ϕ 22X33,13teeth, DP16/32

E - cylinder shaft; ϕ 25.4X40 parallel key: 6.35X6.35X32, link thread: 1/4-20UNC

F - cylinder shaft; ϕ 25X40 parallel key: 8X7X28 link thread: M8

G - rectangle spline shaft: ϕ 25X40, 6-25X21X5 link thread: M8
H - rectangle spline shaft: ϕ 25X40, 6-25X21X6 link thread: M8
I - cone shaft: ϕ 25.4, taper: 1:8 woodruff key: ϕ 25.4X6.35
J - cylinder shaft; ϕ 25.4 pin hole: ϕ 10.3
K - cylinder shaft; ϕ 25X40 parallel key: 8X7X32 link thread: M8
L - cylinder shaft; ϕ 25X40 parallel key: 8X7X32 link thread: 1/4-20unf
M - cylinder shaft; ϕ 25X43 parallel key: 8X7X32 link thread: M8

Pos.5-Oil port

A – 2-G1/2
B – 2-M22X1.2
C – 2-7/8-14UNF SAE
D – 2-1/2-14NPTF
E – 2-PT 1/2
F – 2-M20X1.5

Pos.6-Link thread on port surface

A – None
B – 4-M8
C – 4-5/16-UNC

Pos.7-Drain port

A – None
B- M14X1.5
C – G1/4
D – 7/16-20UNF
E – M10X1
F – ZG1/4

Pos.8-Special

A – standard
B – add 2 radial bearing

Hydraulic motor- BM2W



Pos. 1 2 3 4 5 6 7 8

BM2W								
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Pos. 1-Figuration

H - standard

Pos. 2-Displacement (ml/r)

A – 50, B – 63, C – 80, D – 100, E – 125, F – 160, G – 200, H – 250, I – 315, J – 400, K - 500

Pos. 3-Flange & Pilot (mm)

A - standard

Pos. 4-Shaft & Key (mm)

A - cone shaft; ϕ 31.75X57, taper: 1:8, woodruff key: ϕ 25.4X7.96, link thread: 1/4-20UNC

B - cone shaft; ϕ 35X57, taper: 1:10, parallel key: 6X6X21, link thread: M20X1.5

C - cylinder shaft: ϕ 31.75X56, parallel key: 7.96X7.96X36, link thread: M12

Pos.5-Oil port

A - 2-7/8-14UNF SAE

B – 2-G1/2

C - O-Ring 2- ϕ 12.37X2.62

Pos.6-Link thread on port surface

A – None

B – 4-M6

Pos.7-Drain port

A – None

B – M14X1.5

C – G1/4

D – 7/16-20UNF

Pos.8-Special

A – None

Hydraulic motor- BM3



Pos.	1	2	3	4	5	6	7	8
BM3								

Pos. 1-Figuration

A- line port

B – manifold mount port face I

C – manifold mount port face II

Pos. 2-Displacement (ml/r)

A – 100, B – 160, C – 200, D – 250, E – 315, F – 400

Pos. 3-Flange & Pilot (mm)

A - square flange, 4- ϕ 13 bolts distribution circle ϕ 127, pilot ϕ 100X7.5

B - square flange, 8- ϕ 11 bolts, pilot ϕ 85X5

Pos. 4-Shaft & Key (mm)

A - cylinder shaft; ϕ 30X36 parallel key:8X7X28, link thread: M8

B - cylinder shaft; ϕ 25X36 parallel key: 8X7X28, link thread: M8

C - rectangle spline shaft: ϕ 25X39, 6-25X22X6, link thread: M8

D - rectangle spline shaft: ϕ 30X46, 6-30X26X8, link thread: M14

E - rectangle spline shaft: ϕ 30X46, 6-30X26X8, link thread: M8

F - rectangle spline shaft: ϕ 30X46, 6-30X26X6, link thread: M8

Pos.5-Oil port

A – 2-M22X1.5

B – 2- ϕ 13

Pos.6-Link thread on port surface

A - None

B - 4-M12, center space 76X60

C - 4-M12, center space 80X65

Pos.7-Drain port

A – None

B – M14X1.5

Pos.8-Special

A – None

Hydraulic motor- BM4



Pos.	1	2	3	4	5	6	7	8
BM4								

Pos. 1-Figuration

H – Line port

S – S port

Pos. 2-Displacement (ml/r)

A – 245, B – 310, C – 395, D – 490, E – 625, F – 800

Pos. 3-Flange & Pilot (mm)

A - square flange 145X145, 4- ϕ 13 distributing 115X115, pilot ϕ 125X7

B - square flange 120X120, 4- ϕ 13 distributing circle ϕ 127, pilot ϕ 100X7

C - rhombus flange ,4- ϕ 13.5 distributing circle ϕ 106.4, pilot ϕ 82.5X6

Pos. 4-Shaft & Key (mm)

A - cylinder shaft: ϕ 40X61, parallel key: 12X8X50, link thread: M12

B - cylinder shaft: ϕ 32X45, parallel key: 10X8X35, link thread: M10

C - cylinder shaft: ϕ 32X55, parallel key: 10X7X47, link thread: M10

D - rectangle spline shaft: ϕ 42X61, 8- 42X36X7, link thread: M12

E - rectangle spline shaft: ϕ 30X61, 6- 30X25X6, link thread: M8

F - rectangle spline shaft: ϕ 30X61, 6- 30X25X8, link thread: M8

G - cylinder shaft: ϕ 32X57, parallel key: 10X8X45, link thread: M8

H - cylinder shaft: ϕ 35X56, parallel key: 10X8X45, link thread: M8

I - cylinder shaft: ϕ 31.75X47, parallel key: 7.96X7.96X32, link thread: 3/8-16UNC

J - rectangle spline shaft: ϕ 25.3X40, 6-25.3X21.5X6.25, link thread: 1/4-20UNC

K - involute spline shaft: ϕ 31.75X58, 14 teeth, DP12/24, link thread: M8

L - involute spline shaft: ϕ 31.75X48, 14 teeth, DP12/24, link thread: 3/8-16UNC

Pos.5-Oil port

A - 2-M22X1.5

B - 2-7/8-14UNF SAE

C - 2-G1/2

D - 2-1/2-14NPTF

E - 2-PT1/2

Pos.6-Link thread on port surface

A – None

B – 4-M8

C – 4-5/16-UNC

Pos.7-Drain port

A - NONE

B - M14X1.5

C - G1/4

D - 7/16-20UNF

E - PT1/4

Pos.8-Special

A – None

Hydraulic motor- BM5



Pos.	1	2	3	4	5	6	7	8
BM5								

Pos. 1-Figuration

- A – standard
- B – wheel motor type
- C – connect direction valve type

Pos. 2-Displacement (ml/r)

- A – 80, B – 100, C – 125, D – 160, E – 200, F – 305, G – 400, H – 500

Pos. 3-Flange & Pilot (mm)

- A - rhombus flange, 2- ϕ 13.5 bolt center space 106.4, pilot ϕ 82.5X6.4
- B - square flange 109X109, 4- ϕ 13.5 distributing circle ϕ 106.4, pilot ϕ 82.5X6.4
- C - 6 bolt rhombus flange, 6- ϕ 13.5 distributing circle ϕ 106.4, pilot ϕ 82.5X6.4
- D - rhombus flange, 2-14 distributing circle ϕ 146.1, pilot ϕ 101.57X6.3
- E - wheel motor square flange 132X132, 4- ϕ 13.5 distributing, circle ϕ 147.6, pilot ϕ 82.5X12.7
- F - 4 bolt rhombus flange, 4- ϕ 13.5 distributing circle ϕ 106.4, pilot ϕ 82.55X2.8, with seal groove
- G - square flange 120X120, 4- ϕ 13 distributing circle ϕ 127, pilot ϕ 100X7.5
- H - wheel motor square flange 132X132, 4- ϕ 13.5 distributing circle ϕ 147.6, pilot ϕ 107.85X6.4
- I - wheel motor square flange 137X137, 4- ϕ 14.5 distributing, circle ϕ 161.9, pilot ϕ 127X8
- J - square flange 120X120, 4- ϕ 13.5 distributing circle ϕ 127, pilot ϕ 101.5X6.4
- K - rhombus flange, 2- ϕ 11 bolt center space ϕ 109, pilot ϕ 80X7
- L - rhombus flange, 2- ϕ 11 distributing circle ϕ 109, pilot ϕ 70X7
- M - 6 bolt rhombus flange, 6- ϕ 13.5 distributing circle ϕ 106.4, pilot ϕ 82.5X2.8
- N - wheel motor square flange 138X138, 4- ϕ 13.5 distributing circle ϕ 160, pilot ϕ 125X8
- O - 4 bolt rhombus flange, 4- ϕ 13.5 distributing circle ϕ 106.4, pilot ϕ 82.55X6.4
- P - 4 bolt rhombus flange, 4- ϕ 13.5 distributing circle ϕ 106.4, pilot ϕ 82.55X2.8

Pos. 4-Shaft & Key (mm)

- A - cylinder shaft: ϕ 32X57, parallel key: 10X8X45, link thread: M8
- B - cylinder shaft: ϕ 31.75X46, parallel key: 7.963X7.963X32, link thread: M8

C - cylinder shaft: ϕ 31.75X46, parallel key: 7.963X7.963X32, link thread: 3/8-16UNC
D - cone shaft: ϕ 31.75, woodruff key: ϕ 25.4X7.963, link thread: 1-20UNEF, taper 1:8
E - rectangle spline shaft: ϕ 25.3X43, 6-25.3X21X6.25, link thread: 5/16- 18UNC
F - cylinder shaft: ϕ 31.75X57, parallel key: 7.963X7.963X32, link thread: 3/8-16UNC
G - cylinder shaft: ϕ 25.4X43, parallel key: 6.35X6.35X32, link thread: M8
H - cylinder shaft: ϕ 25.4X41, parallel key: 6.35X6.35X32, link thread: 1/4-20UNC
I - involute spline shaft: ϕ 31.75X48, 14teeth, DP12/24, link thread: 3/8-16UNC
J - cylinder shaft: ϕ 25.4X39, woodruff key: ϕ 25.4X6.35, link thread: 1/4-20UNC
K - cylinder shaft: ϕ 25X42, parallel key: 8X7X32, link thread: M8
L - rectangle spline shaft: ϕ 25.3X42, 6-25.3X21X6.25, link thread: 1/4-20UNC
M - involute spline shaft: ϕ 22X33, 13teeth, DP16/32
N - cone shaft: ϕ 35, parallel key: 6X6X20, link thread: M20X1.5, taper 1:10 cone
O - shaft: ϕ 31.75, link thread: 1-20UNEF, parallel key: 7.963X7.963X32, taper 1:8
P - rectangle spline shaft: ϕ 34.85X100, 6-34.85X28.14X8.64
Q - rectangle spline shaft: ϕ 32X56, 6-32X26X6, link thread: M8
R - cylinder shaft: ϕ 30X48, parallel key: 10X8X40, link thread: M8
S - rectangle spline shaft: ϕ 30X44, 6-30X26X6, link thread: M8
T - rectangle spline shaft: ϕ 30X48, 6-30X26X8, link thread: M8

Pos.5-Back housing

refer to drawing page

Pos.6-Oil port

A - 2-M22X1.5

B - 2-G1/2

C - 2-1/2-14NPTF

D - 2-7/8-14UNF SAE

E - 2- ϕ 12.7

F - 2-1-1/16-12UN

G - 2- ϕ 12

H - 2- ϕ 14

Pos.7- Link thread on port surface

A - None

B - 2-M10

C - 2-3/8-16UNC


D - 3-M10

E - 3-3/8-16UNC

Pos.8-Drain port

A - None

B - M14X1.5



C - G1/4

D - 7/16-20UNF

E - M10X1

F - PT1/4

Hydraulic motor- BM5S



Pos.	1	2	3	4	5	6	7	8
BM5S								

Pos. 1-Figuration

refer to drawing page

Pos. 2-Displacement (ml/r)

A – 80, B – 100, C – 125, D – 160, E – 200, F – 305, G – 400, H – 500

Pos. 3-Flange & Pilot (mm)

A - square flange 119X119, 4- ϕ 13.5, distributing ϕ 127, pilot ϕ 101.5X6.4

B - circular flange, 4- ϕ 11 distributing ϕ 125, pilot ϕ 100 X6

Pos. 4-Shaft & Key (mm)

refer to drawing page

Pos.5-Back housing

refer to drawing page

Pos.6-Oil port

A - 2-M22X1.5

B - 2-G1/2

C - 2- ϕ 12

Pos.7- Link thread on port surface

A - None

B - 2-M10

C - 2-3/8-16UNC

Pos.8-Drain port

A - None

B - M14X1.5

C - G1/4

D - 7/16-20UNF

Hydraulic motor- 4K



Pos.	1	2	3	4	5	6	7	8
4K								

Pos. 1-Figuration

A - standard

Pos. 2-Displacement (ml/r)

A – 130, B – 160, C – 195, D – 245, E – 315, F – 395, G – 490, H – 625

Pos. 3-Flange & Pilot (mm)

A - square flange 147X147, 4- ϕ 14.5, distributing circle ϕ 162, pilot ϕ 127X12

B - square flange 119X119, 4- ϕ 14.5, distributing circle ϕ 127, pilot ϕ 101.6X10.5

Pos. 4-Shaft & Key (mm)

A - cylinder shaft: ϕ 40X79, parallel key: 12X8X70, link thread: M12

B - cylinder shaft: ϕ 31.75X56, parallel key: 7.96X42, link thread: 3/8-16UNC

C - involute spline shaft: ϕ 38.1x53, 17 teeth, DP12/24

D - involute spline shaft: ϕ 31.75x56, 14 teeth, DP12/24, link thread: 3/8-16UNC

Pos.5-Back housing

refer to drawing page

Pos.6-Oil port

A - 2-G1/2

B - 2-G3/4

C - 2-M27X2

D - 2-M22X1.5

Pos.7- Link thread on port surface

A - None

Pos.8-Drain port

A - NONE

B - G1/4

C - M14X1.5

D - 7/16-20UNF

Hydraulic motor- BM6



Pos.	1	2	3	4	5	6	7	8
BM6								

Pos. 1-Figuration

- A - large flange type
- B - standard
- C - rhombus back housing type
- D - wheel motor type
- E - internal drain style

Pos. 2-Displacement (ml/r)

A – 195, B – 245, C – 310, D – 395, E – 490, F – 625, G – 800, H – 985

Pos. 3-Flange & Pilot (mm)

- A - square flange 147X147, 4- ϕ 14 distributing circle ϕ 162, pilot ϕ 127X9
- B - square flange 178X178, 4- ϕ 18 distributing circle ϕ 200, pilot ϕ 160X8
- C - square flange 147X147, 4- ϕ 14 distributing circle ϕ 160, pilot ϕ 125X9
- D - square flange 125X125, 4-M14, distributing circle ϕ 125, pilot ϕ 105.5X7
- E - square flange 147X147, 4- ϕ 14 distributing circle ϕ 160, pilot ϕ 125X13.2
- F - square flange 147X147, 4- ϕ 14 distributing circle ϕ 162, pilot ϕ 127X13.2
- G - rhombus flange, 2- ϕ 14 bolt center space 140, pilot ϕ 100X9
- H - square flange 120X120, 4- ϕ 13 distributing circle 90X90, pilot ϕ 100X6
- I - wheel motor square flange 137X137, 4-1/2-13UNC, distributing 104X104, pilot ϕ 127X9

Pos. 4-Shaft & Key (mm)

- A - cylinder shaft: ϕ 38.1X79, parallel key: 9.525X9.525X57, link thread: 3/8-16UNC
- B - involute spline: ϕ 38.1x79, 17teeth, DP12/24, link thread: 3/8-16UNC
- C - cylinder shaft: 40X79, parallel key: 12X8X70, link thread: M12
- D - cone shaft: ϕ 41.25, parallel key: 11.11X11.11X32, link thread: 1-1/4- 18UNEF, taper1:8
- E - rectangle spline shaft: ϕ 34.85X76, 6-34.85X28.14X8.64, link thread: M8
- F - cylinder shaft: ϕ 50X79, parallel key: 14X9X70, link thread: M12
- G - cylinder shaft: ϕ 31.75X57, parallel key: 7.96X7.96X40, link thread: 3/8-16UNC

H - involute spline shaft: ϕ 31.75X57, 14 teeth, DP12/24, link thread: 3/8-16UNC

I - cone shaft: ϕ 45, parallel key: 12X8X28, link thread: M30X2, taper1:10

J - cylinder shaft: ϕ 40X76, parallel key: 12X8X63, link thread: M12

K - cylinder shaft: ϕ 32X56, parallel key: 10X8X12, link thread: M8

L - rectangle spline shaft: ϕ 32X56.2, 6-32X25X6, link thread: M8

M - cylinder shaft: ϕ 40X65, parallel key: 12X8X50, link thread: M12

N - rectangle spline shaft: ϕ 30X46, 6-30X25X6, link thread: M8

O - rectangle spline shaft: ϕ 30X46, 6-30X25X8, link thread: M8

P - rectangle spline shaft: ϕ 42X65, 8-42X36X7, link thread: M12

Q - rectangle spline shaft: ϕ 40X65, 6-40X35X10, link thread: M8

R - involute spline: ϕ 53.97x56, 16teeth, DP8/16, link thread: 3/8-16UNC

Pos.5-Back housing

refer to drawing page

Pos.6-Oil port

A - 2-G3/4

B - 2-M27X2

C - 2-M30X1.5

D - 2-1-1/16-12UN

E - 2-M33X2

F - 2-1-5/16-12UN

G - 2-G1

H - 2-3/4"

I - 2- ϕ 14

J - 2-PT3/4

Pos.7- Link thread on port surface

A - None

B - 4-M12

C - 4-M10

Pos.8-Drain port

A - None

B - M14X1.5

C - G1/4

D - 7/16-20UNF

E - M10X1

F - PT1/4

Hydraulic motor- BM6S



Pos.	1	2	3	4	5	6	7	8
BM6S								

Pos. 1-Figuration

A - standard

Pos. 2-Displacement (ml/r)

A – 195, B – 245, C – 310, D – 395, E – 490, F – 625, G – 800, H – 985

Pos. 3-Flange & Pilot (mm)

A- square flange 147X14, 4- ϕ 14.5, distributing ϕ 162, pilot ϕ 127X12.5

Pos. 4-Shaft & Key (mm)

refer to drawing page

Pos.5-Back housing

refer to drawing page

Pos.6-Oil port

A - 2-G1

B - 2-M33X2

C - 2-1-5/16-12UN

Pos.7- Link thread on port surface

A - None

B - 4-M12

C - 4-M10

Pos.8-Drain port

A - None

B - M14X1.5

C - G1/4

D - 9/16-18UNF

Hydraulic motor- BMT



Pos.	1	2	3	4	5	6	7	8
BMT								

Pos. 1-Figuration

A - standard

Pos. 2-Displacement (ml/r)

A – 250, B – 315, C – 400, D – 500, E – 630, F – 800

Pos. 3-Flange & Pilot (mm)

A - square flange 140X140, 4- ϕ 13, distributing circle ϕ 160, pilot ϕ 125X8

B - square flange 120X120, 4- ϕ 13, distributing circle 90X90, pilot ϕ 100X6

C - rhombus flange 120X120, 2- ϕ 14, center space 140, pilot ϕ 100X9

Pos. 4-Shaft & Key (mm)

A - cylinder shaft: ϕ 38.1X79, parallel key: 9.525X9.525X57, link thread: 3/8-16UNC

B - involute spline shaft: ϕ 38.1x79, 17 teeth, DP12/24, link thread: 3/8-16UNC

C - cylinder shaft: ϕ 40X79, parallel key 12X8X70, link thread: M12

D - cone shaft: ϕ 41.25, parallel key: 11.11X11.11X32, link thread: 1-1/4-18UNEF, taper 1:8

E - rectangle spline shaft: ϕ 30X46, 6-30X25X6, link thread: M8

F - rectangle spline shaft: 30X46, 6-30X26X8, link thread: M8

G - cylinder shaft: ϕ 31.75X57, parallel key: 7.96X7.96X40, link thread: 3/8-16UNC

H - involute spline shaft: ϕ 31.75X57, 14 teeth, DP12/24, link thread: 3/8-16UNC

I - cone shaft: ϕ 45, parallel key: 12X8X28, link thread: M30X2, taper 1:10

J - cylinder shaft: ϕ 38.1X65, parallel key: 9.525X9.525X42, link thread: 3/8- 16UNC

K - cylinder shaft ϕ 32X56, parallel key: 10X8X45, link thread: M8

L - rectangle spline shaft : ϕ 32X56.2, 6-32X25X6, link thread: M8

M - cylinder shaft: ϕ 40X65, parallel key: 12X8X50, link thread: M12

N - rectangle spline shaft: ϕ 42X65, 8-42X36X7, link thread: M12

O - rectangle spline shaft, ϕ 40X65, 6-40X35X10, link thread: M8

Pos.5-Back housing

refer to drawing page

Pos.6-Oil port

A - 2-G3/4

B - 2-M27X2

C - 2-M30X1.5

D - 2-1-1/16-12UN

E - 2-M33X2

F - 2-1-5/16-12UN

G - 2-G1

H - 2-3/4"

Pos.7- Link thread on port surface

A - NONE

B - 4-M12

C - 4-M10

Pos.8-Drain port

A - NONE

B - G1/4

C - M14X1.5

D - 7/16-20UNF