

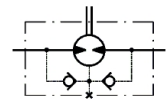
MMS40CP

PRODUCT FEATURE SUMMARY

DATE: 07.03.2024
MODEL TYPE: MMS40CP

Username: Evelin Badic

| | |
|--|---|
| CNSORDERNO (Order number) | MMS40CP |
| AO (Adjustment Option) | omit: without valve |
| MF (Mounting Flange) | omit: Three bolts mount |
| PT (Port type) | S: Side ports |
| DC (Displacement code) | 40: 40,0 cm ³ /rev [2.44 in ³ /rev] |
| SE (Shaft Extensions) | C: ø16 straight, Parallel key A5x5x16 DIN6885 |
| P (Ports) | omit: BSPP (ISO 228) |
| LC (Line to control) | - |
| VPR (Valve Rated Pressurebar) | - |
| SFMS (Special Features Measure speed) | omit: no special features |
| SFGWS (Special Features of gear wheel set) | omit: no special features |
| SFDR (Special Features - Direction of rotation) | omit: Standard |
| OP (Option (Paint)) | P: Paint |
| INFO (Info) | PDF catalog |
| L (mm) | 118.5 |
| L1 (mm) | 17 |



DATA SHEET

| Type | |
|--|-------------|
| Displacement, cm³/rev [in³/rev] | 40[2.44] |
| Max. Speed, [RPM] | cont. |
| | 500 |
| Max. Torque, daNm [lb-in] | Int.* |
| | 625 |
| Max. Output, kW [HP] | cont. |
| | 4,1 [375] |
| Max. Pressure Drop, bar [PSI] | Int.* |
| | 5,7 [506] |
| Max. Oil Flow, lpm [GPM] | cont. |
| | 1,8 [2.5] |
| Max. Pressure Drop, bar [PSI] | Int.* |
| | 3,0 [4.0] |
| Max. Pressure Drop, bar [PSI] | cont. |
| | 82,5 [1200] |
| Max. Oil Flow, lpm [GPM] | Int.* |
| | 110 [1600] |
| Max. Oil Flow, lpm [GPM] | cont. |
| | 20 [5.5] |
| Max. Oil Flow, lpm [GPM] | Int.* |
| | 25 [6.6] |

| Type | |
|---|---------------------------|
| Max. Inlet Pressure, bar [PSI] | cont. |
| | 140 [2030] |
| | Int.* |
| Max. Return Pressure with Drain Line bar [PSI] | Int.* |
| | 175 [2540] |
| | peak** |
| Max. Return Pressure with Drain Line bar [PSI] | cont. |
| | 140 [2030] |
| | Int.* |
| Max. Return Pressure with Drain Line bar [PSI] | Int.* |
| | 175 [2540] |
| | peak** |
| Pressure with Unloaded Shaft, bar [PSI] | |
| 4 [60] | |
| Min Starting Torque, daNm [lb-in] | at max. press. drop cont. |
| | 3,3 [295] |
| Min Starting Torque, daNm [lb-in] | at max. press. drop Int.* |
| | 4,6 [400] |
| Min. Speed***, [RPM] | 25 |
| Weight, kg [lb] | 2,3 [5.07] |

* Intermittent operation: the permissible values may occur for max. 10% of every minute.

** Peak load: the permissible values may occur for max. 1% of every minute.

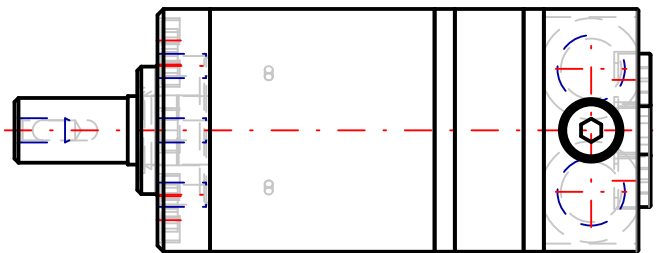
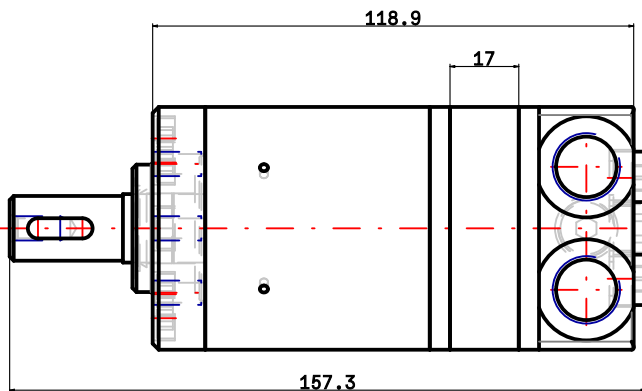
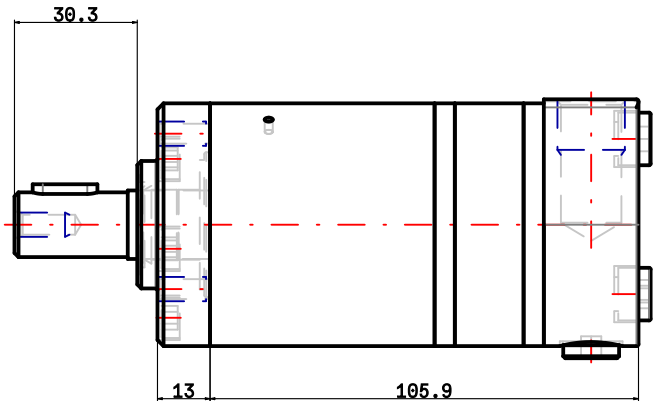
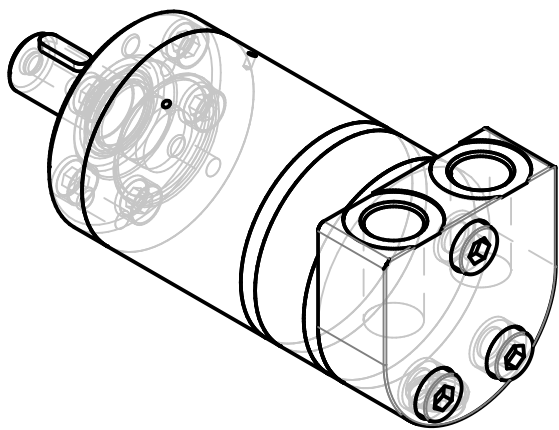
*** For speeds lower than given, consult factory or your regional manager.

- Intermittent speed and intermittent pressure drop must not occur simultaneously.
- Recommended filtration is per ISO cleanliness code 20/16. A nominal filtration of 25 micron or better.
- Recommend using a premium quality, anti-wear type mineral based hydraulic oil HLP(DIN51524) or HM (ISO 6743/4). If using synthetic fluids consult the factory for alternative seal materials.
- Recommended minimum oil viscosity 13 mm²/s [70 SUS] at 50°C [122°F].
- Recommended maximum system operating temperature is 82°C [180°F].
- To assure optimum motor life fill with fluid prior to loading and run at moderate load and speed for 10-15 minutes.

MMS40CP

3d generated view

To see model in 3D you should use Acrobat Reader with enable 3D view



NOTE: Showed dimensions are in nominal, for maximal values see table.

NOTE: For additional dimensions and information about flange , shaft , endcover , etc. see next page.

| L max | LS max |
|-------|--------|
| 118.5 | |

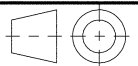
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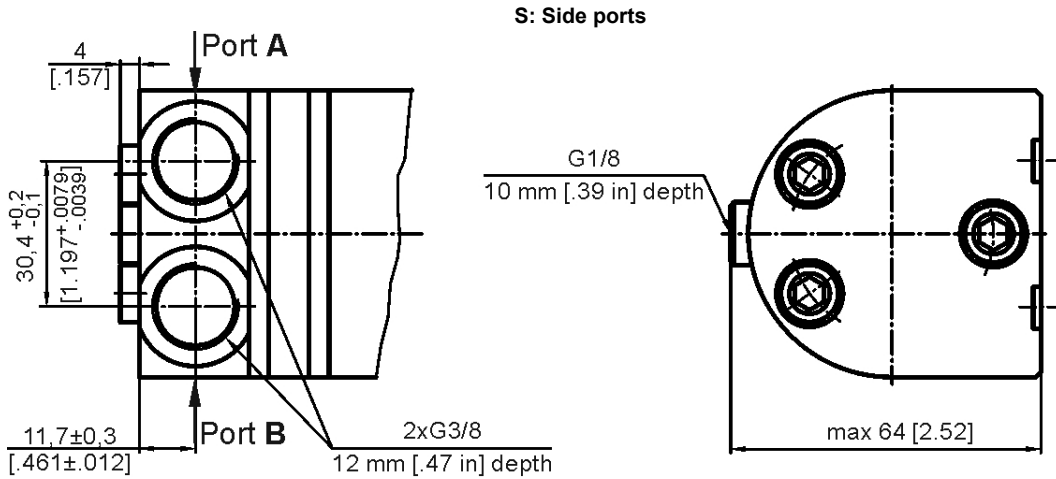
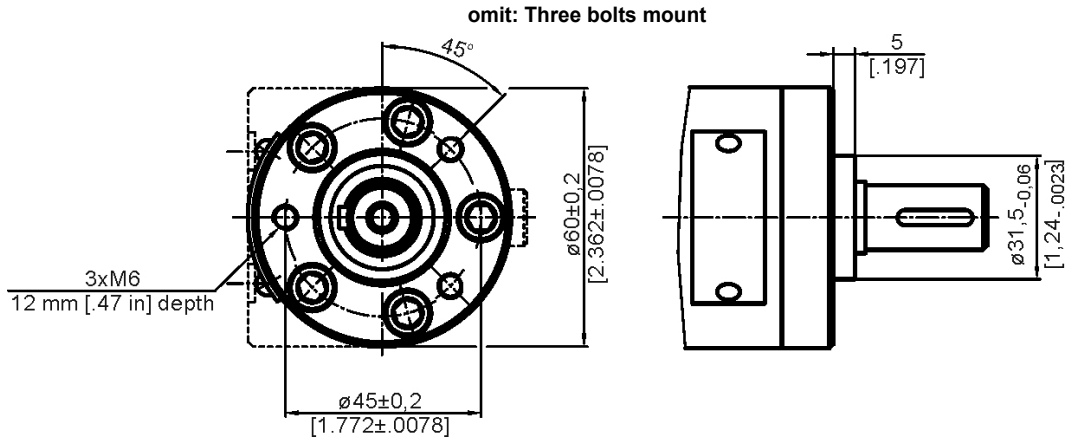
Design: M+S Check:

| Scale | Sheet | Rev. | Weight |
|-----------------|-------|------|------------|
| Date 07.03.2024 | | | 2,3 [5.07] |

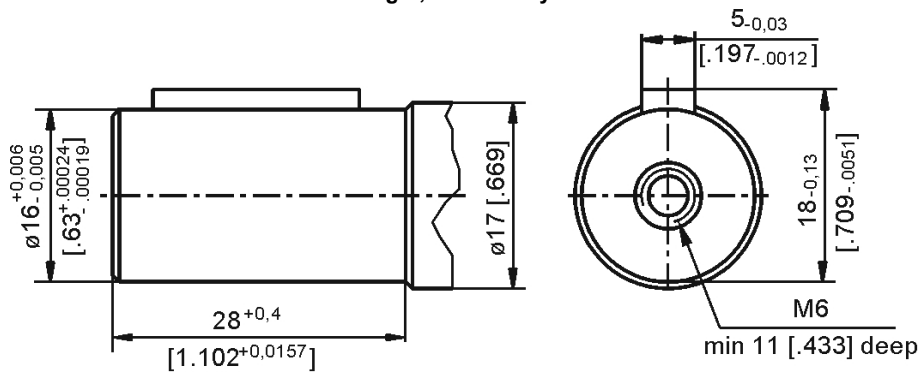


Standard Rotation
Viewed from Shaft End

Port A Pressurized - CW
Port B Pressurized - C CW



C: $\varnothing 16$ straight, Parallel key A5x5x16 DIN6885

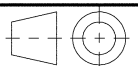


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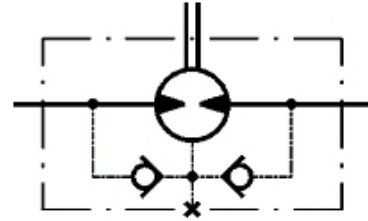


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| | | | |
|-----------------|-------|------|------------|
| Scale | Sheet | Rev. | Weight |
| Date 07.03.2024 | | | 2,3 [5.07] |

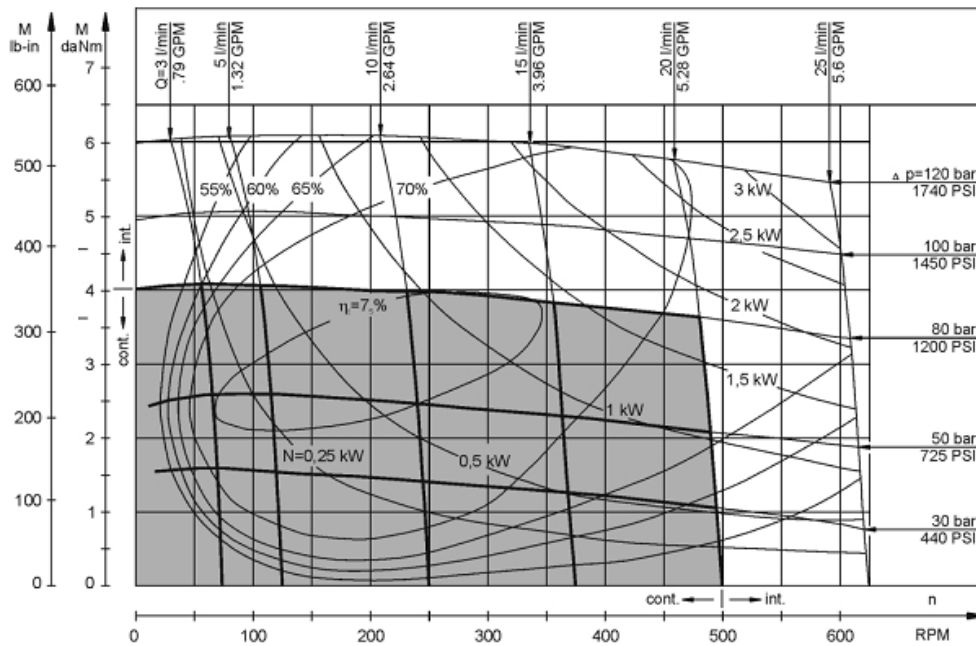


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Hydraulic scheme with check valves

FUNCTION DIAGRAMS

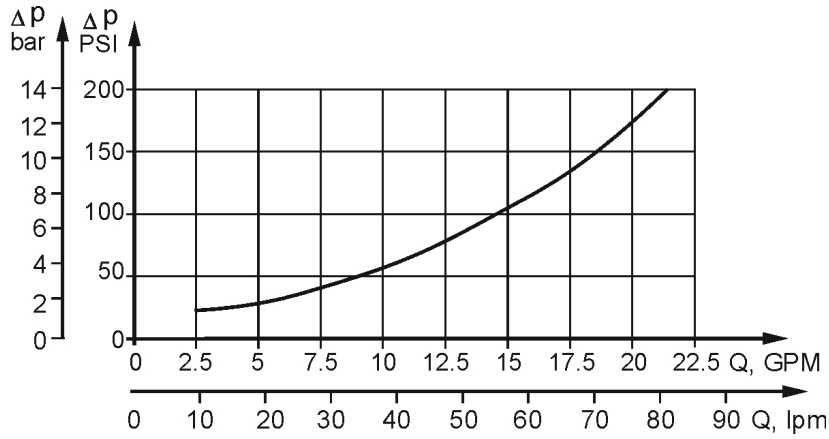


The function diagrams data is for average performance of randomly selected motors at back pressure 5±10 bar [72.5±145 PSI] and oil with viscosity of 32 mm²/s [150 SUS] at 50°C [122°F].

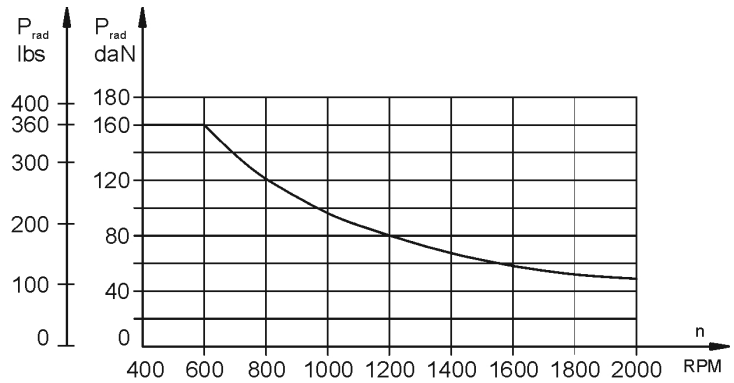
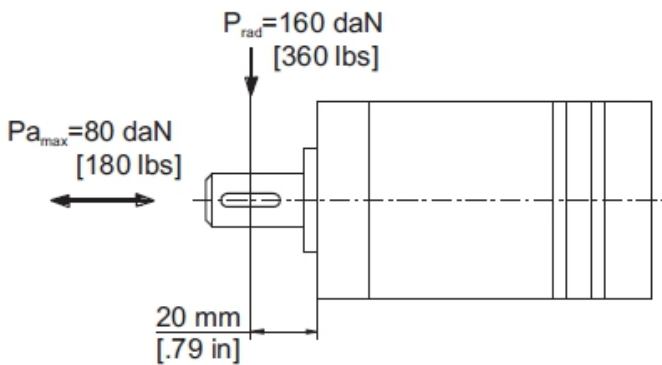
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DATA SHEET

Pressure Losses



PERMISSIBLE SHAFT LOADS



The chart shows the permissible radial load when L=20 mm [.79 in]. If the calculated shaft load exceeds the permissible one, a falexible coupling must be used.

For more detail information about premissible shaft load please check our full catalogue