

ORDER CODE



	1	2	3	4	5	6	7	8	9	0	1
MR											

Pos.1 - Mounting Flange

omit - Oval mount , two holes

- F** - Oval mount, four holes
- Q** - Square mount, four bolts
- W** - Wheel mount

Pos.2 - Option (needle bearings)

omit - none

- N** - with needle bearings

Pos.3 Port type

omit - Side ports

- E** - Rear ports

Pos.4 Displacement code

- 50** - 51 cm³/rev
- 80** - 80,3 cm³/rev
- 100** - 99,8 cm³/rev
- 125** - 125,7 cm³/rev
- 160** - 159,6 cm³/rev
- 200** - 199,8 cm³/rev
- 250** - 250,1 cm³/rev
- 315** - 315,7 cm³/rev
- 400** - 397,0 cm³/rev

Pos.5 - Shaft Extensions*

- C** - ø25 straight, Parallelkey A8x7x32 DIN6885
- VC** - ø25 straight, Parallelkey A8x7x32 DIN6885
with corrosion resistant bushing /
- CO** - ø1" straight, Parallelkey ¼"x¼"x1¼" BS46
- VCO** - ø1" straight, Parallelkey ¼"x¼"x1¼" BS46/
with corrosion resistant bushing
- SH** - ø25,32 splined Bs2059 (SAE6B)
- VSH** - ø25,32 splined BS2059 (SAE6B)
with corrosion resistant bushing
- K** - ø28,56 tapered 1:10, Parallelkey B5x5x14 DIN6885
- SA** - ø24,5 splined B25x22 DIN5482
- VSA** - ø24,5 splined B25x22 DIN5482
with corrosion resistant bushing

- CB** - ø32 straight, Parallelkey A10x8x45 DIN6885
- KB** - ø35 tapered 1:10, Parallelkey B6x6x20 DIN6885
- SB** - splined A 25x22 DIN5482
- OB** - ø1¼" tapered 1:8, Parallelkey ⅝"x⅝"x1¼" Bs46
- HB** - ø1¼" splined 14T ANSI B92.1 - 1976

Pos. 6 Shaft Seal Version

omit - Low pressure shaft seal or Standard shaft seal

for "...B" shaft

- D** - Standard shaft seal
- U** - High pressure shaft seal (without check valves)

Pos. 7 Drain Port

omit with drain port

- 1** - without drain port

Pos. 8 Ports

- omit - BSPP (ISO228)
- M** - Metric (ISO 262)

Pos. 9 Special Features

Pos.10 Design Series

omit - Factory specified

SPECIFICATION DATA

Type		MR 50	MR 80	MR 100	MR 125	MR 160	MR 200	MR 250	MR 315	MR 400
Displacement (cm³/rev.)		51.5	80.3	99.8	125.7	159.6	199.8	250.1	315.7	397
Max. Speed (RPM)	cont.	775	750	600	475	375	300	240	190	150
	int.*	970	940	750	600	470	375	300	240	190
Max. Torque (daNm)	cont.	10.1	19.5	24	30	39	38.5	39	39	38
	int.*	13	22	28	34	43	46	58	57	60
	peak**	17	27	32	37	46	56	71	83	87
Max. Output (kW)	cont.	7	12.5	13	12.5	11.5	9	6.5	6	4.8
	int.*	8.5	15	15	14.5	14	11.5	10.5	9.6	8.8
Max. Pressure Drop (bar)	cont.	140	175	175	175	175	140	110	90	70
	int.*	175	200	200	200	200	175	175	140	115
	peak**	225	225	225	225	225	225	225	210	175
Max. Oil Flow (l/min)	cont.	40	60	60	60	60	60	60	60	60
	int.*	50	75	75	75	75	75	75	75	75
Max. Inlet Pressure (bar)	cont.	175	175	175	175	175	175	175	175	175
	int.*	200	200	200	200	200	200	200	200	200
	peak**	225	225	225	225	225	225	225	225	225
Max. Return Pressure w/o Drain Line or Max. Pressure in Drain (bar)	cont. 0-100 RPM	150	150	150	150	150	150	150	150	150
	cont. 100-300 RPM	75	75	75	75	75	75	75	75	75
	cont. 300-600 RPM	50	50	50	50	50	50	-	-	-
	cont. 600 RPM	20	20	20	-	-	-	-	-	-
	int.* 0 - max.RPM	150	150	150	150	150	150	150	150	150
Max. Return Pressure with Drain Line (bar)	cont.	175	175	175	175	175	175	175	175	175
	int.*	200	200	200	200	200	200	200	200	200
	peak**	225	225	225	225	225	225	225	225	225
Max. Starting Pressure with Unloaded Shaft, (bar)		10	10	10	9	7	5	4	3	3
Min Starting Torque (daNm)	at max. press. drop. cont.	8	8	20	25	32	33	31	33	30
	at max. press. drop. Int.*	10	10	23	28	37	40	48	58	50
Min. Speed***, (RPM)		10	10	10	10	10	10	10	10	10
weight, agv. (kg)	MP(F)		6.8	6.9	7.2	7.3	7.5	8	8.4	9.1
	MRF		6.2	6.3	6.6	6.8	7.6	7.2	7.8	8.6
	MRQ									

* 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 speed of 5 RPM lower than given, consult factory or your regional manager.

1) Intermittent speed and intermittent pressure must not occur simultaneously.

2) Recommended filtration is per ISO clean lines code 20/16. A nominal filtration of 25 micron or better.

3) 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.

4) Recommended minimum oil viscosity 13 mm²/s at 50 C.

5) Recommended maximum system operation temperature is 82 C

6) To assure optimum motor life fill with fluid prior to loading and run at moderate load and speed for 10-15 minutes.

* Aralıklı Operasyonu: İzin verilebilir değerler her dakikanın maks %10 için oluşabilir.

** Aşırı Yük: Müsaade edilebilir değerler her dakikanın %1 için oluşabilir.

*** 10 RPM ve aşağısı hızlar için fabrikaya veya bölge bayiliğine başvurunuz.

1) Aralıklı hız ve aralıklı basınç düşüşleri aynı zamanda olmalıdır.

2) Tavsiye edilen filtrasyon ISO 20/16, nominal filtrasyon 25 mikron ve iyisi.

3) Tavsiye edilen hidrolik yağ üstün kalitede anti-wear tipi mineral kökenlidir.

4) Tavsiye edilen en düşük yağ viskozitesi operasyon sıcaklığının 133 mm²/s'dir.

5) Tavsiye edilen en yüksek sistem operasyon sıcaklığı 82 C dir.

6) En uzun motor ömrünü sağlamak için yüklemeye önce sıvı ile doldurulup düşük bir yük ve hızda 10-15 dk. çalıştırılır.



MOUNTING

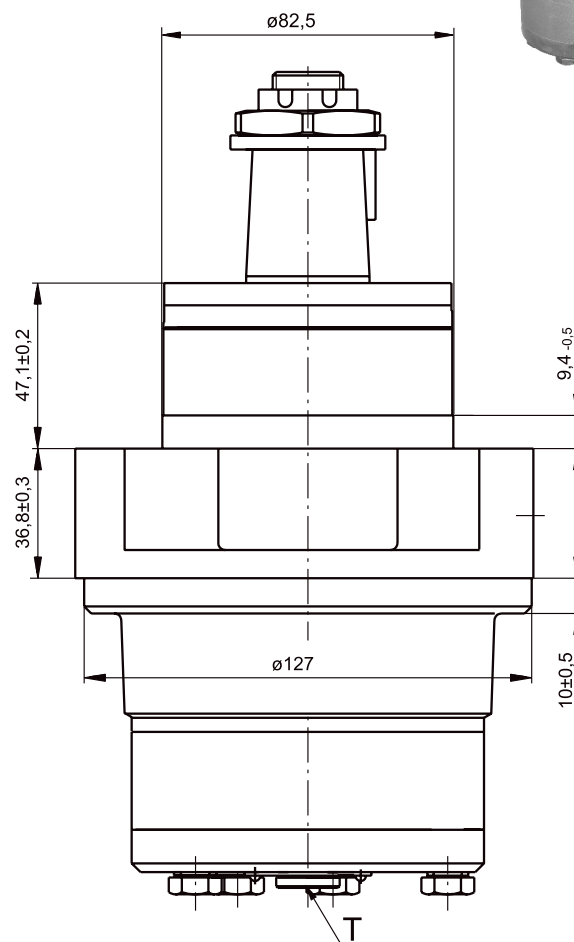
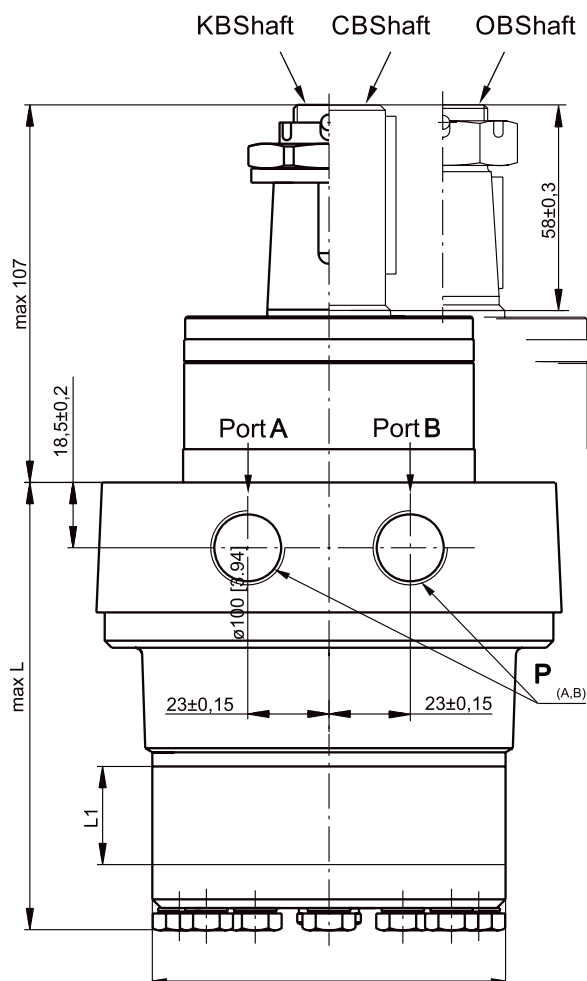
C : 4xM8-13mm depth / derinlik
P_(A,B) : 2x G 1/2 or 2x M 22 x 1,5 - 15 mm depth
T : G1/4 or M14x1,5-12mm depth(plugged)

SHAFT EXTENSIONS

Technical drawing of a bolt and nut assembly. The drawing shows a cross-section of a bolt and a nut. The bolt has a diameter of 24 ± 0.4 mm and a length of 20.5 mm. The nut has a diameter of 24 mm and a height of 15.4 mm. The drawing includes dimensions for the bolt head, the nut, and the assembly. The bolt head is labeled 'A-A' and has a diameter of 24 ± 0.4 mm. The nut is labeled 'B-B' and has a diameter of 24 mm. The assembly is labeled 'C-C' and has a diameter of 24 mm. The drawing also shows the tightening torque as 10 ± 1 daNm.

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DIMENSIONS AND MOUNTING DATA



Type	L,mm	L _r ,mm
Rw 50	108,0	9,0
RW 80	113,0	14,0
RW 100	116,5	17,4
RW 125	120,5	21,8
RW 160	126,5	27,8
RW 200	133,5	34,8
RW 250	142,5	43,5
RW 315	153,5	54,8
RW 400	168,5	69,4

P_(A,B): 2xG1/2 or 2xM22x1,5-17mm depth
T : G1/4 or M14x1,5-12mm depth(plugged)

