JS | TECHNIK GmbH
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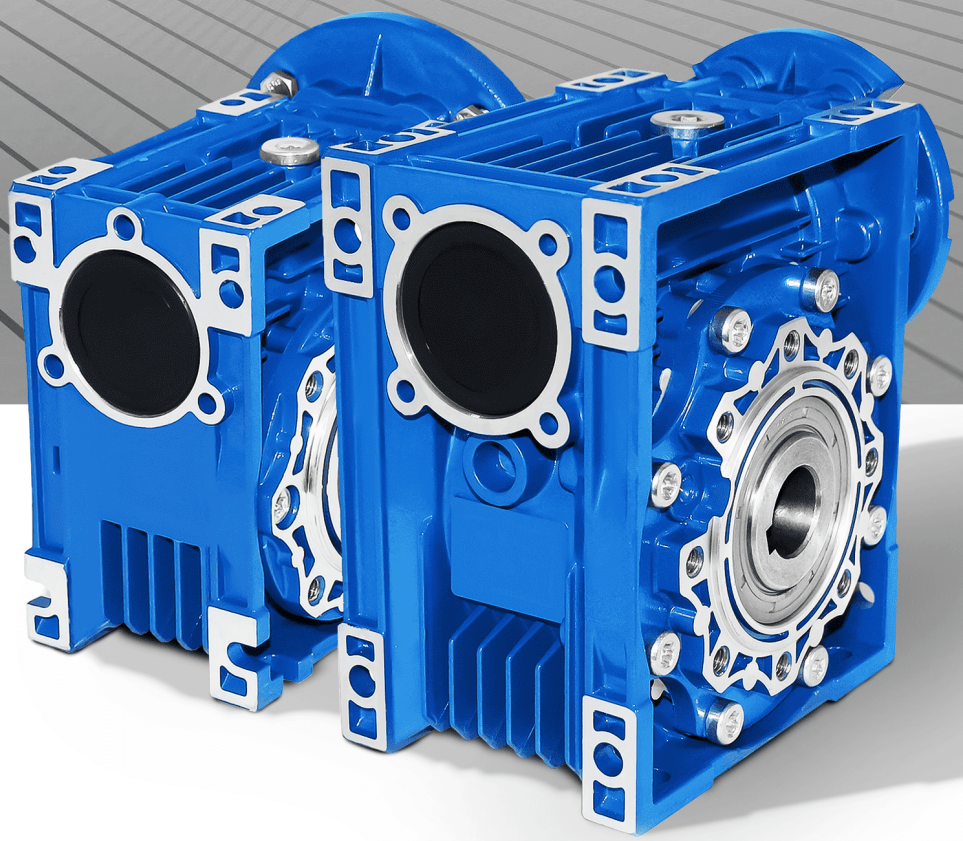

CMRV

Schneckengetriebe Katalog
Worm Gear Catalog

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Zusammenfassung / Summary

CMRV Series Reducer

Die CMRV-Serie ist ein ausgereiftes Produkt mit ansprechendem Design. Die Hauptmerkmale sind wie folgt:

1. Hergestellt aus hochwertiger Aluminiumlegierung
2. Großes Ausgangsdrehmoment
3. Ruhiger Lauf und geringe Eigengeräusche
4. Hoher Wirkungsgrad
5. Ansprechendes Design
6. Lange Lebensdauer

CMRV series is a mature product with attractive design. The main features are as follows:

1. Made of high quality aluminum alloy
2. Large output torque
3. Quiet running and low inherent noise
4. High efficiency
5. Attractive design
6. Long service life

Bezeichnung / Designation

CMRV (030/)063 - E - 30:1 - 80B5 / PC80 - 0.75kW - 270° - FA1 - DZ1 - B3

Einbaulage / Mounting positions
M1 (Standard) /M2/M3/M4/M5/M6
BS1/BS2/AS1/AS2/VS1/VS2/PS1/PS2

Positionen Ausgangs(hohl)wellen / Positions of output shaft/hole
D1/DZ1/DZ2/SZ

Positionen Flansche Drehmomentstützen / Positions of flange, torque arm / FA1 (2) /FB1 (2) /FC1 (2) FD1 (2) TA1 (2)

Positionen Klemmkasten / Positions of terminal box
270° (Standard) /0/90° /180°

Elektromotor Leistung / Electric motor power
0.06/0.09/0.12/0.18/0.25/0.37/0.55/0.75/1.1/1.5/
2.2/3/4/5.5/7.5/11/15

Motoranbauvorrichtung / Motor mounting facility
56B5 (B14) /63B5 (B14) /71B5 (B14) /80B5 (B14) /90B5 (B14) /
100B5 (B14) /112B5 (B14) /132B5 (B14) /160B5

Getriebe-Vorstufe / Pre -stage helical module
PC63/PC71/PC80/PC90

"R"-Markierung bedeutet Vollwelleneingang, keine Markierung bedeutet Hohlwelleneingang / “R" mark means solid worm shaft input, no mark means hole worm shaft input

Untersetzung / Ratio
5/7.5/10/15/20/25/30/35/40/50/60/70/80/100

Doppelseitige Getriebewelle, keine Markierung bedeutet einseitige Getriebewelle / Double extension worm shaft, no mark means single extension worm shaft

Spezifikation / Spezification
025, 030, 040, 050, 063, 075, 090, 110, 130, 150
025/030, 025/040, 030/040, 030/050, 030/063, 040/075040/09
0, 050/110, 063/130, 063/150

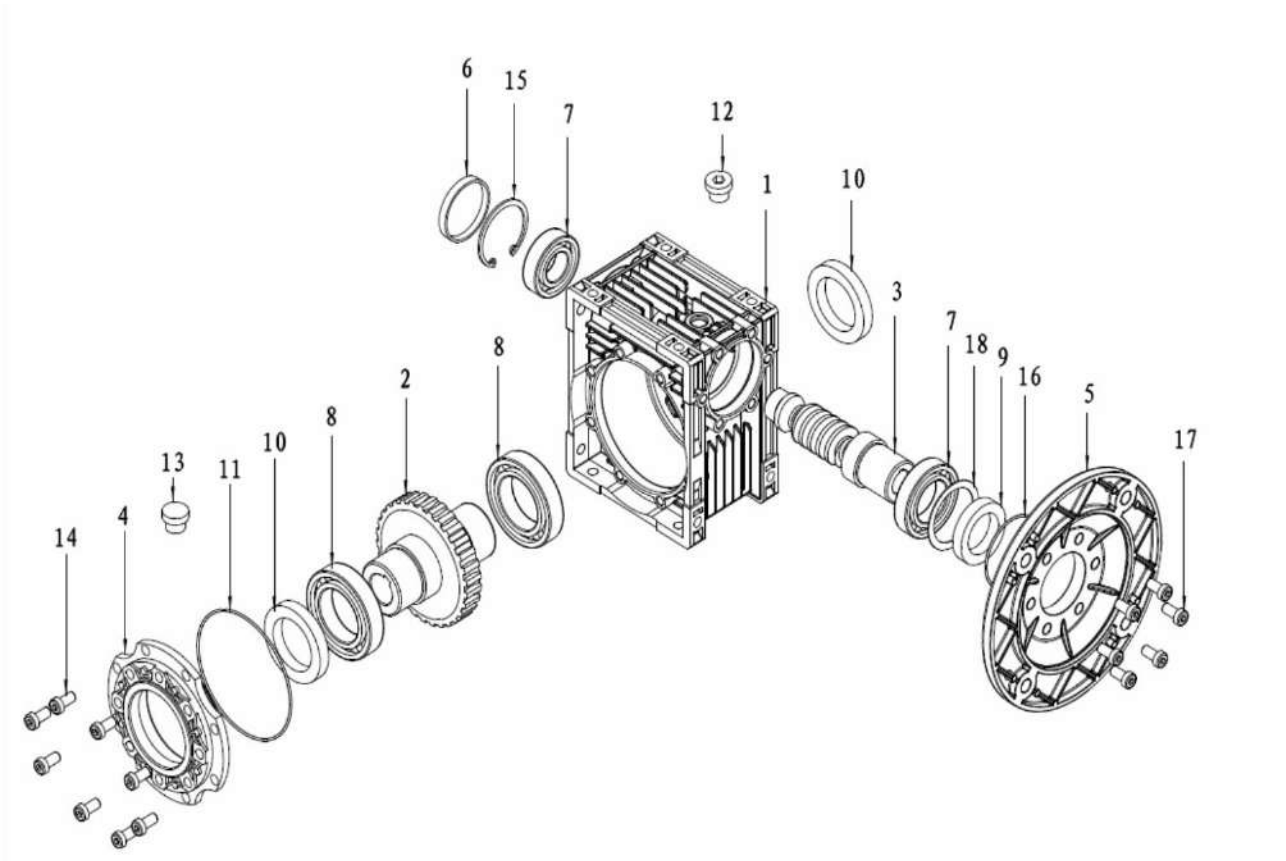
Schneckengetriebe Serie / Worm reducer series

Stückliste / Bill of Material

CMRV Schneckengetriebe / CMRV Worm Gear

Pos. No.	Bauteile	Parts
1	Gehäuse	Frame
2	Schneckenrad	Worm wheel
3	Getriebewelle	Worm shaft
4	Deckel Ausgang	Output shaft cover
5	Eingangsflansch	Flange
6	Dichtung	Seal cover
7	Kugellager	Bearing
8	Kugellager	Bearing
9	Dichtung	Oil seal

Pos. No.	Bauteile	Parts
10	Dichtung	Oil seal
11	O-Ring	O ring
12	Ölverschlussschr.	Oil plug
13	Entlüftungsschr.	Vented plug
14	Schrauben	Intl.hex screw
15	Sicherungsring	Snap ring
16	O-Ring	O ring
17	Schrauben	Intl.hex screw
18	Unterlegscheibe	Shim



Technische Bezeichnung / Technical designation

PAM	=	IEC- Eingangsflansch	Fitted for motor coupling	
P1	=	Eingangsleistung	Power of input shaft	(kW)
M2	=	Drehmoment abtriebseitig	Torque of output shaft	(Nm)
n1	=	Drehzahl eingangsseitig	Speed of input shaft	(1/min)
n2	=	Drehzahl ausgangsseitig	Speed of output shaft	(1/min)
i	=	Untersetzung	Reduction ratio	
f.s	=	Betriebsfaktor	Service factor	
Fr1	=	Maximale Radiallast antriebsseitig	The maximum admitted radial load of input shaft	(N)
Fr2	=	Maximale Radiallast ausgangsseitig	The maximum admitted radial load of output shaft	(N)
η	=	Wirkungsgrad	Efficiency	

Radialbelastung / Radial loads

Fre=(2000 x M x fz) / D ≤ FR1 oder FR2

Fre (N)= Resultierende Querkraft

M (Nm)= Wellendrehmoment

D (mm)= Durchmesser des an der Welle montierten Abtriebselements

fz	=	1.1	Zahnrad
		1.4	Kettenrad
		1.7	Flanschscheibe
		2.5	Flachriemenscheibe

Fre=(2000 x M x fz) / D ≤ FR1 or FR2

Fre (N)= Resulting radial load

M (Nm)= Torque on the shaft

D (mm)= Diameter of the transmission member mounted on the shaft

fz	=	1.1	Gear pinion
		1.4	Chain wheel
		1.7	V-pulley
		2.5	Flat pulley

Betriebsfaktor / Service factor

Der Betriebsfaktor f.s. hängt von den Betriebsbedingungen ab, unter denen das Getriebe betrieben wird. Die Parameter, die für eine korrekte Auswahl des Betriebsfaktors zu berücksichtigen sind, lauten:

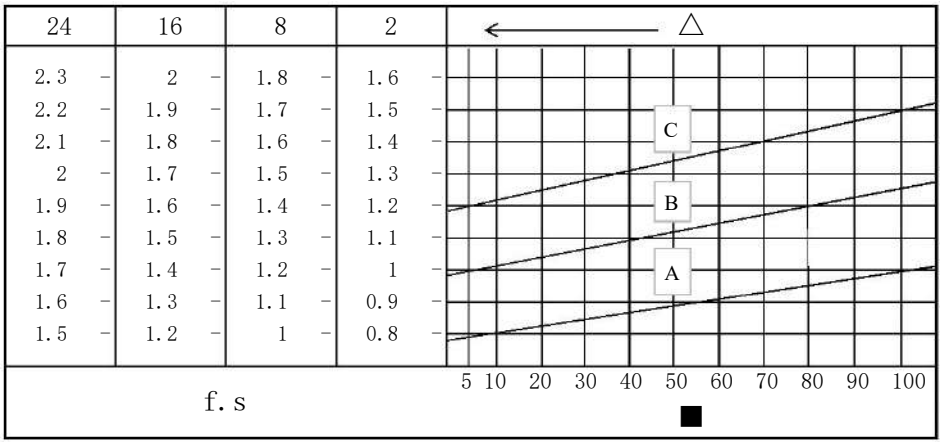
- Belastungsart der angetriebenen Maschine : A - B - C
- Tägliche Betriebsdauer (△)
- Anlauffrequenz: Anl./Std (■)

Lastart : A - gleichförmig
B - mittlere Überlast
C - hohe Überlast

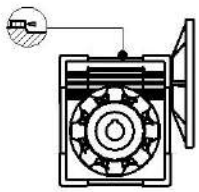
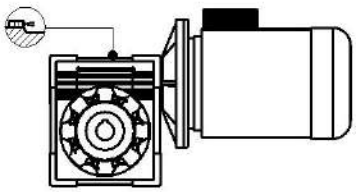
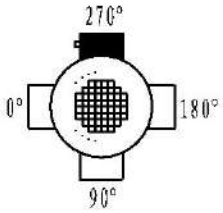
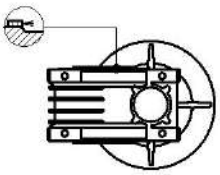
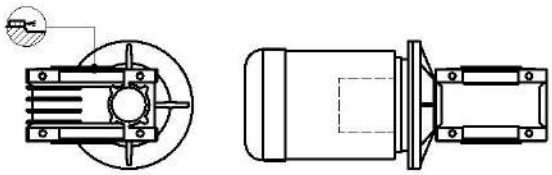
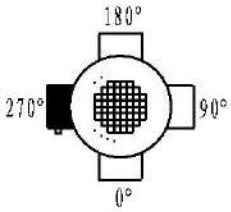
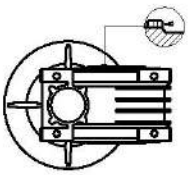
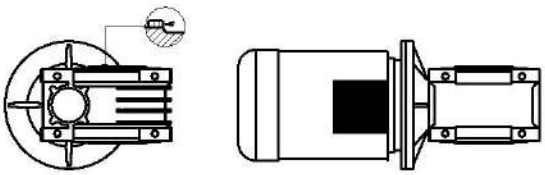
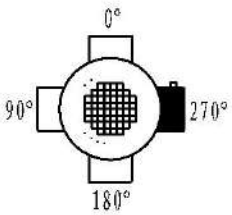
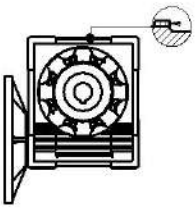
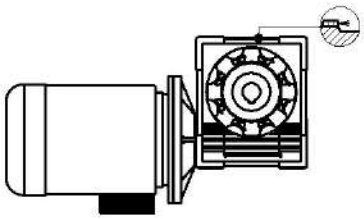
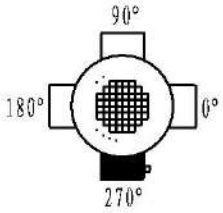
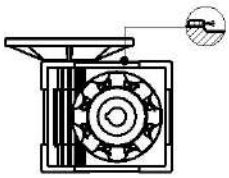
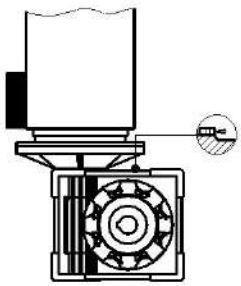
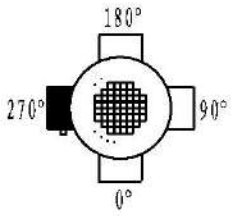
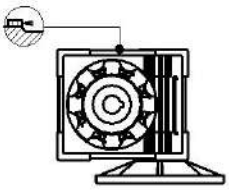
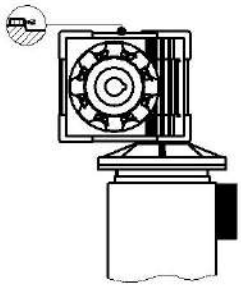
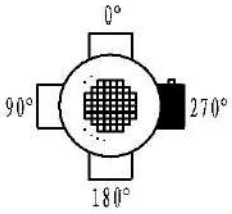
The service factor (f.s) depends on the operating conditions the reduction unit is subjected to.The parameters that need to be taken into consideration to select the most adequate service factor correctly comprise:

- Type of load of the operated machine : A - B - C
- Length of daily operating time : hours/day (△)
- Start-up frequency : starts/hour (■)

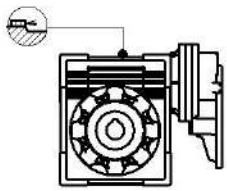
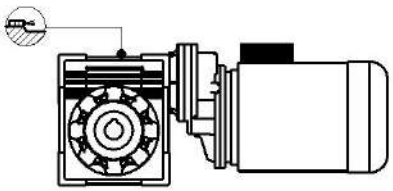
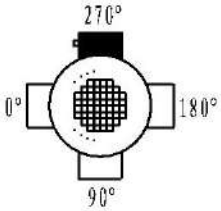
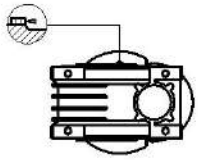
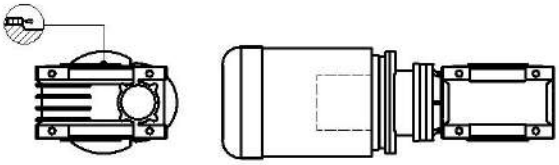
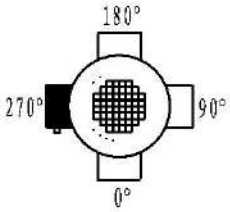
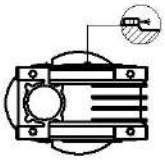
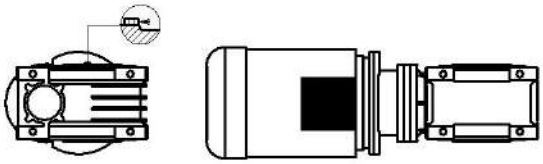
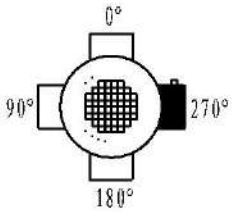
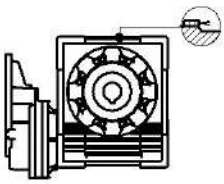
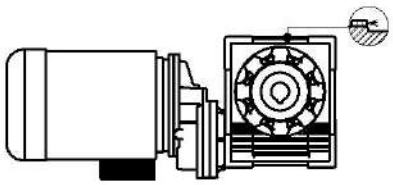
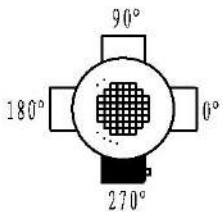
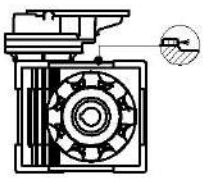
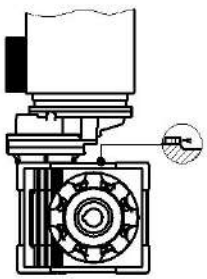
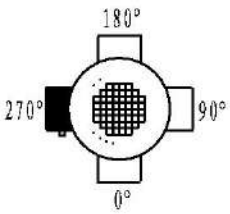
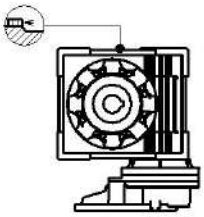
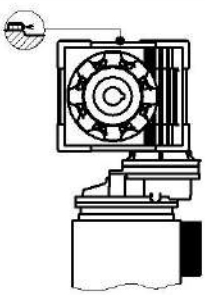
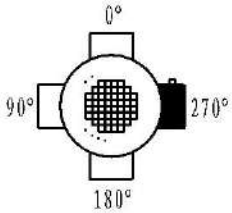
Type of load : A - uniform
B - moderate shocks
C - heavy shocks



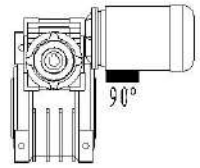
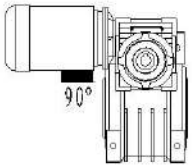
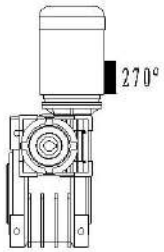
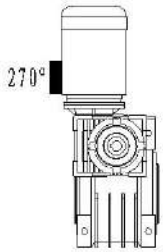
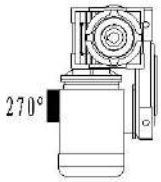
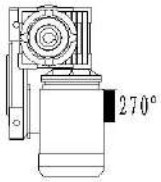
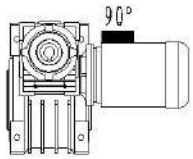
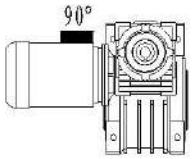
Einbaulage Schneckengetriebe / Mounting position Worm gear reducer

M1			
M5			
M6			
M3			
M4			
M2			

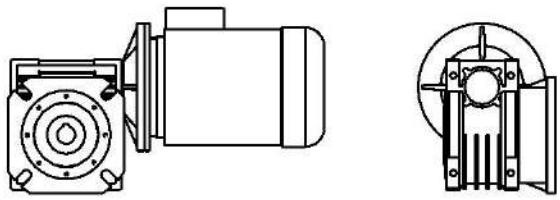
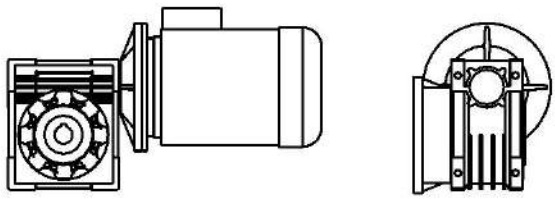
Einbaulage PC Schneckengetriebe / Mounting position PC Worm gear reducer

M1			
M5			
M6			
M3			
M4			
M2			

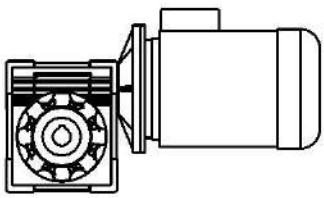
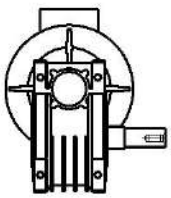
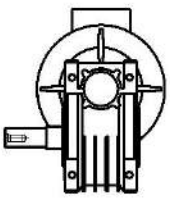
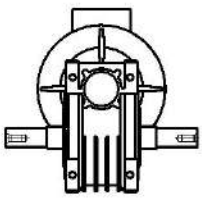
Einbaulage Doppel-Schneckengetriebe / Mounting position double Worm gear reducer

AS1	AS2	VS1	VS2
			
PS1	**PS2**	**BS1** (Standard)	**BS2**
			

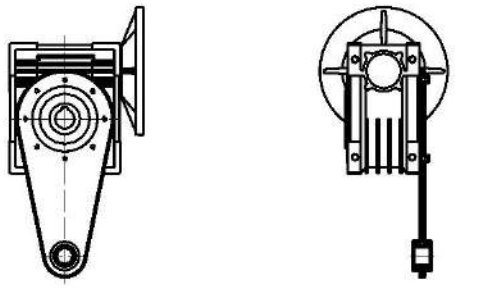
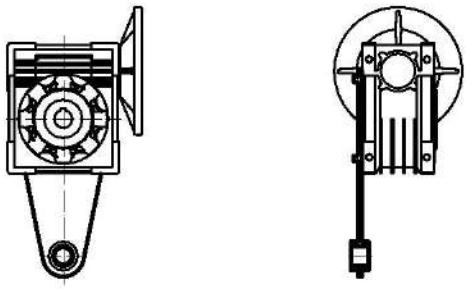
Einbaulage der Ausgangsflansche / Mounting position output flange

FA, FB, FC, FD rechts/right	FA, FB, FC, FD links/left
	

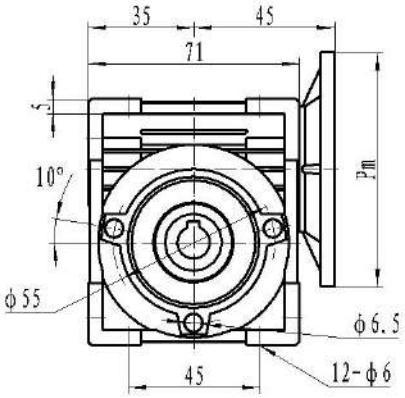
Einbaulage Ausgangswelle / Mounting position output shafts

	rechts/right	links/left	beidseitig/both sides
			

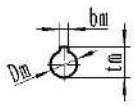
Montageposition Drehmomentstütze / Mounting positions torque arm

TA1	TA2
	

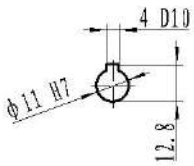
CMRV 025 Abmessungen / Dimensions

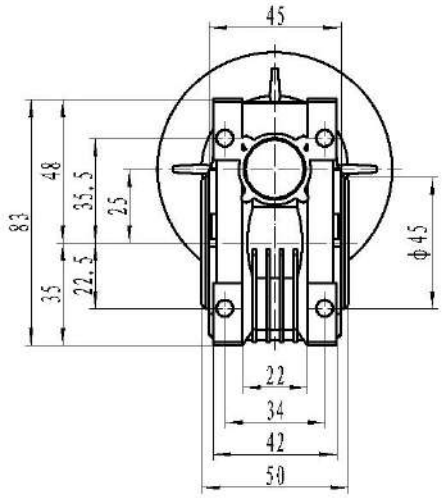


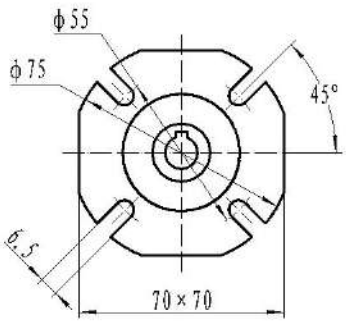
Eingangshohlwelle / Input shaft hole

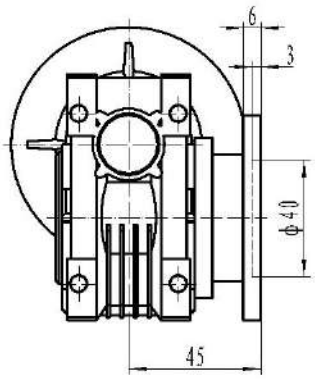


Ausgangshohlwelle / Output shaft hole





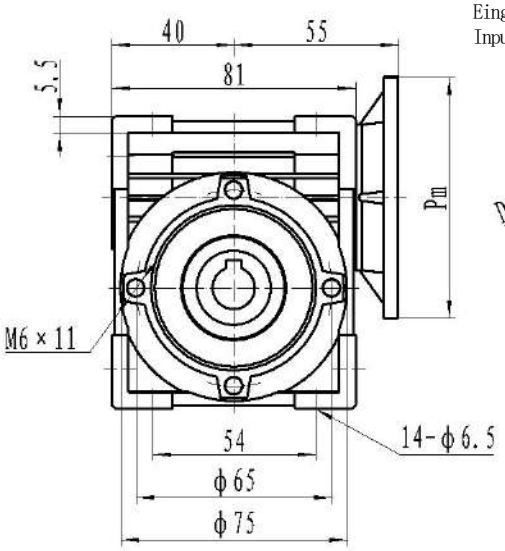




FA

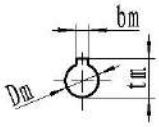
	Pm	Dm	bm	tm
56B14	80	9	3	10.4

CMRV 030 Abmessungen / Dimensions

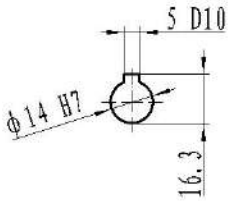


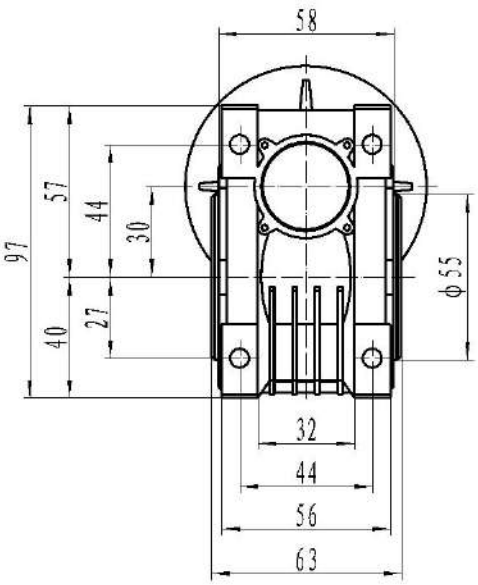
CMRV030

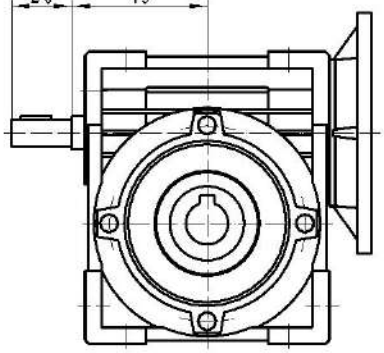
Eingangshohlwelle / Input shaft hole



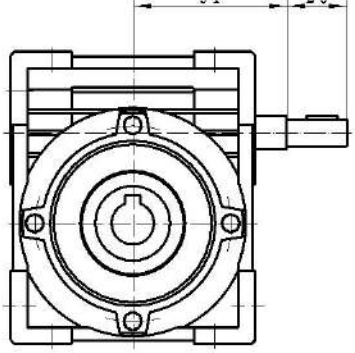
Ausgangshohlwelle / Output shaft hole



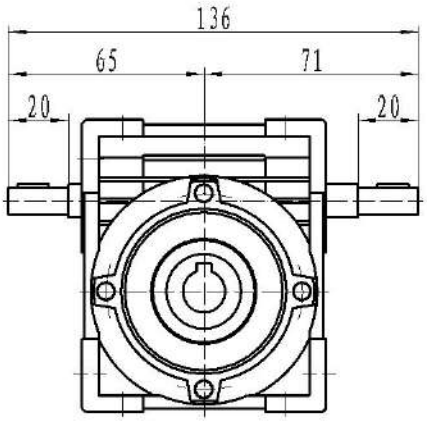




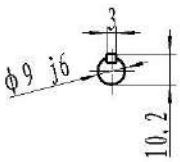
CMRV-E

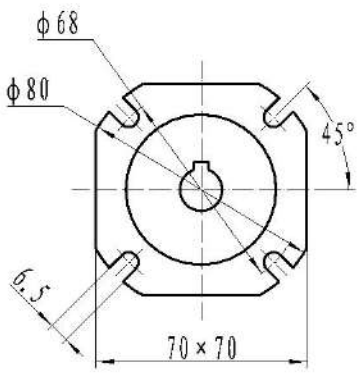


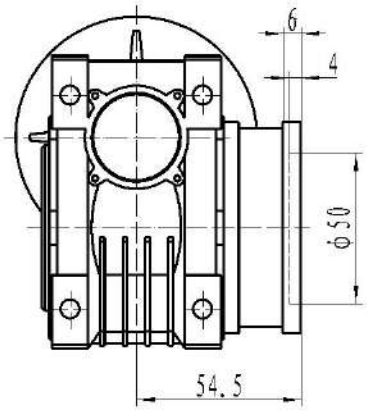
CMRV-R



Eingangs- / Ausgangswelle
Input shaft / Output shaft



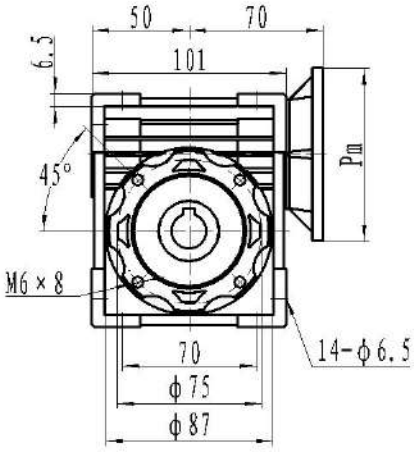




FA

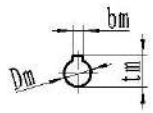
	Pm	Dm	bm	tm
56B5	120	9	3	10.4
56B14	80			
63B5	140	11	4	12.8
63B14	90			

CMRV 040 Abmessungen / Dimensions

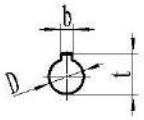


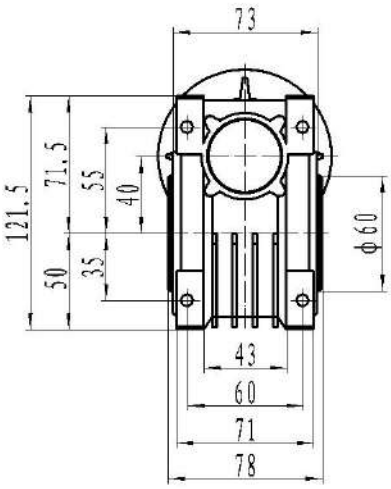
CMRV040

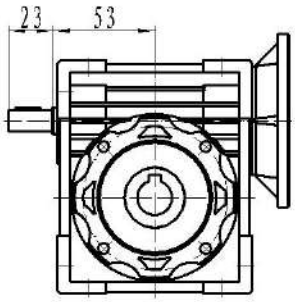
Eingangshohlwelle / Input shaft hole



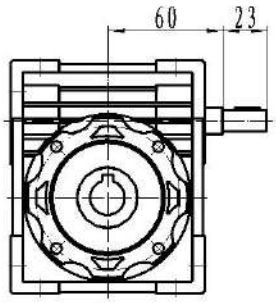
Ausgangshohlwelle / Output shaft hole



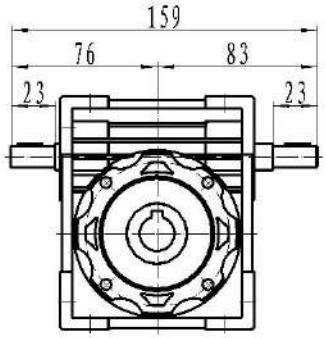




CMRV-E

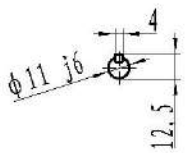


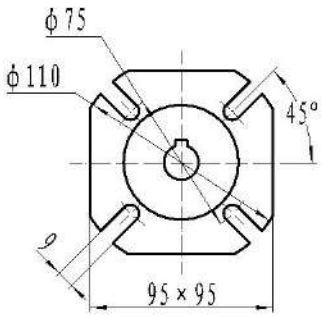
CMRV-R

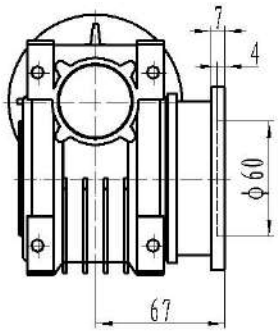


CMRV-E/R

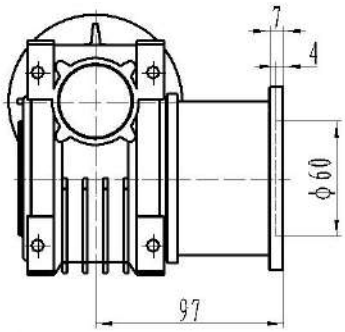
Eingangs- / Ausgangswelle
Input shaft / Output shaft



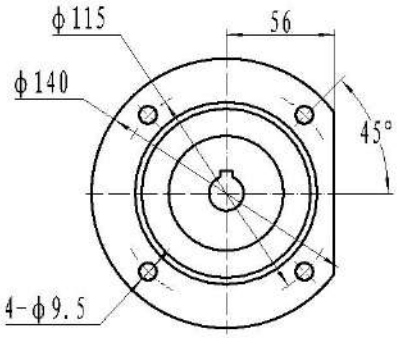


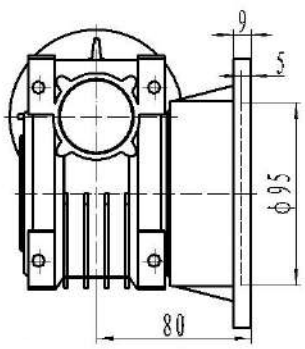


FA

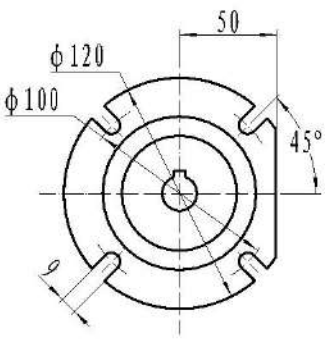


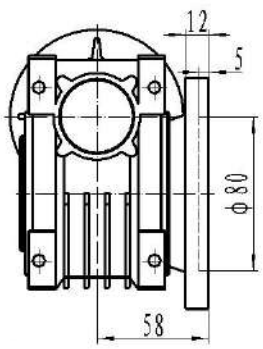
FB





FC



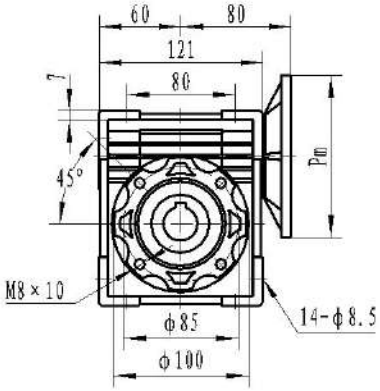


FD

Dimensions of output shaft		
D H7	b D10	t
18	6	20.8
(19)	(6)	(21.8)

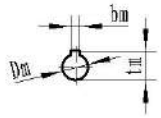
	Pm	Dm	bm	tm
56B5	120	9	3	10.4
63B5	140	11	4	12.8
63B14	90			
71B5	160	14	5	16.3
71B14	105			

CMRV 050 Abmessungen / Dimensions

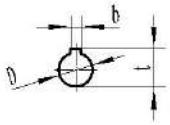


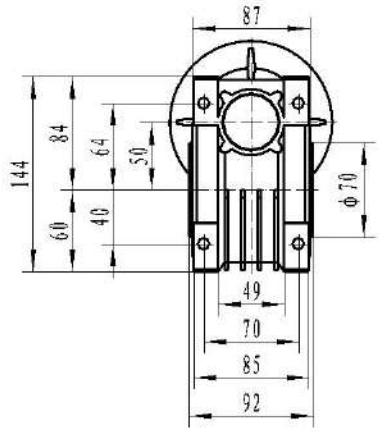
CMRV050

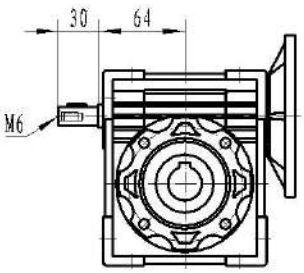
Eingangshohlwelle / Input shaft hole



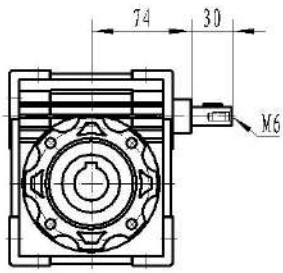
Ausgangshohlwelle / Output shaft hole



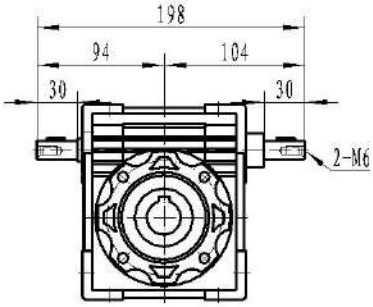




CMRV-E

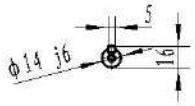


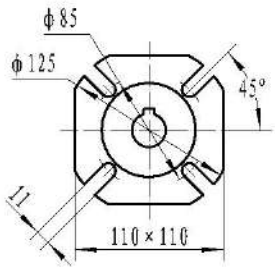
CMRV-R



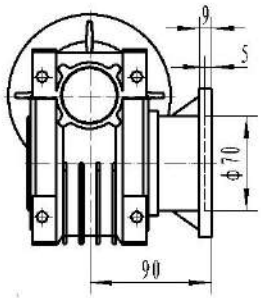
CMRV-E/R

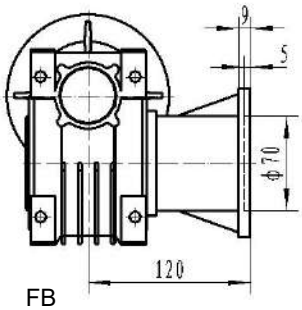
Eingangs-/ Ausgangswelle
Input shaft / Output shaft



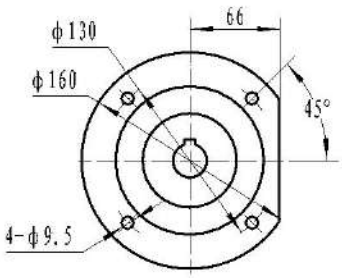


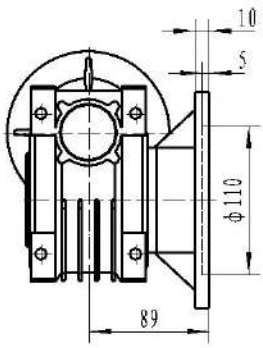
FA



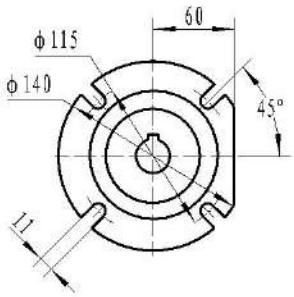


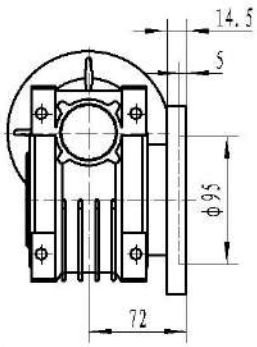
FB





FC



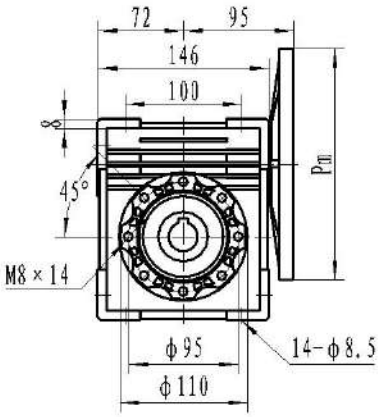


FD

Dimensions of output shaft		
D H7	b D10	t
25	8	28.3
(24)	(8)	(27.3)

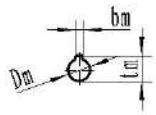
	Pm	Dm	bm	tm
63B5	140	11	4	12.8
63B14	90			
71B5	160	14	5	16.3
71B14	105			
80B5	200	19	6	21.8
80B14	120			

CMRV 063 Abmessungen / Dimensions

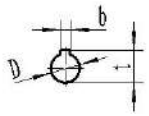


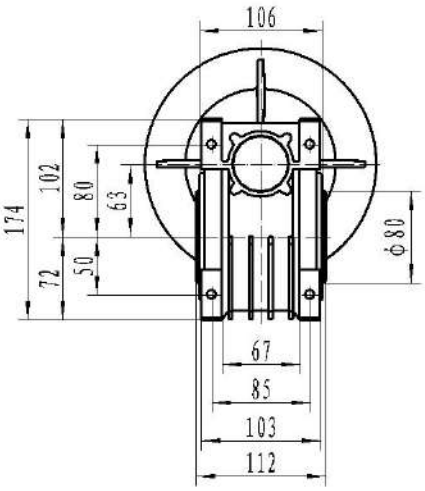
CMRV063

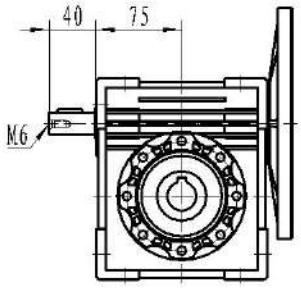
Eingangshohlwelle /
Input shaft hole



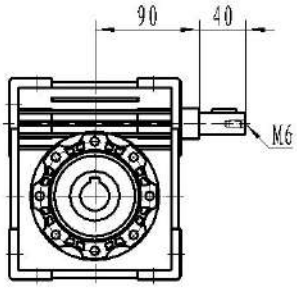
Ausgangshohlwelle /
Output shaft hole



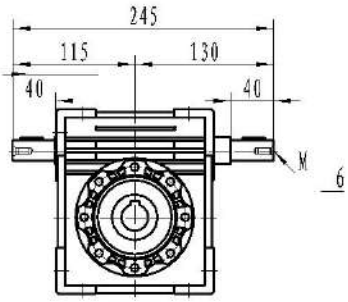




CMRV-E

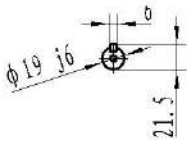


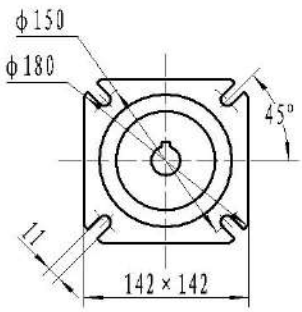
CMRV-R

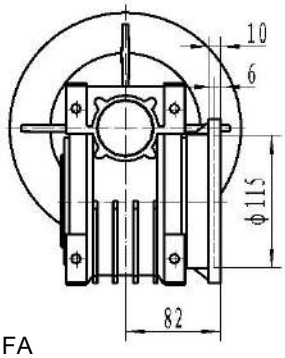


CMRV-E/R

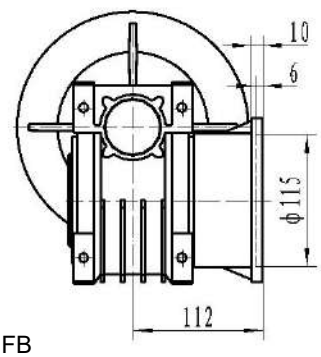
Eingangs- / Ausgangswelle
Input shaft / Output shaft



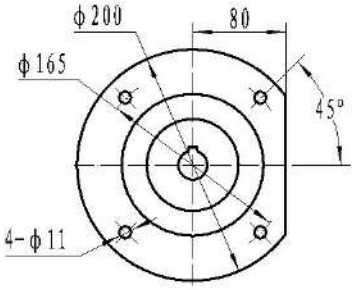


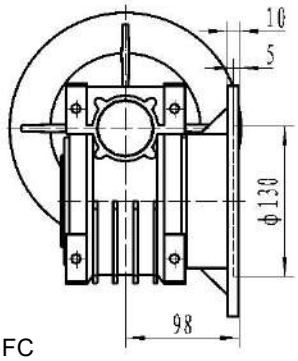


FA

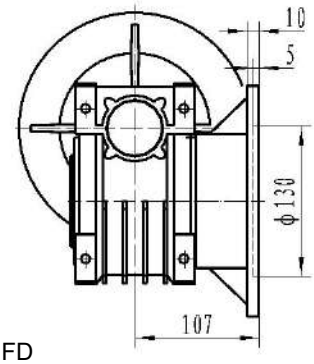


FB





FC

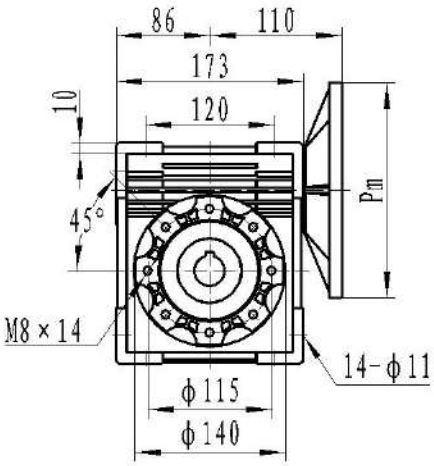


FD

Dimensions of output shaft		
D H7	b D10	t
25	8	28.3
(28)	(8)	(31.3)

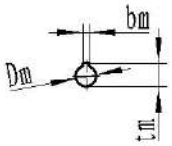
	Pm	Dm	bm	tm
63B5	140	11	4	12.8
71B5	160	14	5	16.3
71B14	105			
80B5	200	19	6	21.8
80B14	120			
90B5	200	24	8	27.3
90B14	140			

CMRV 075 Abmessungen / Dimensions

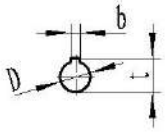


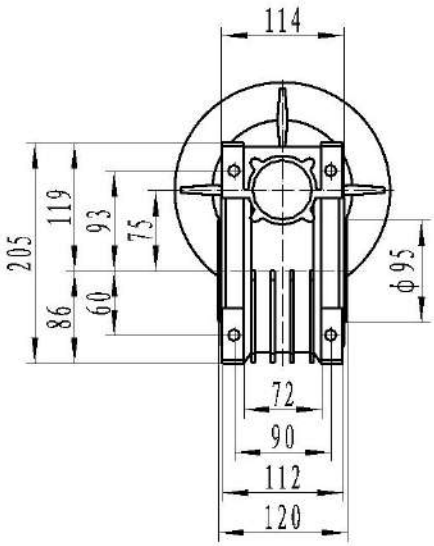
CMRV075

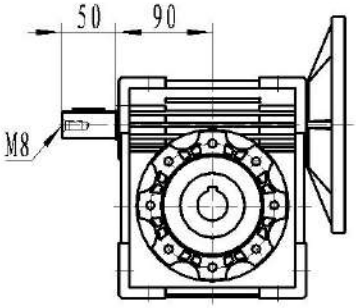
Eingangshohlwelle / Input shaft hole



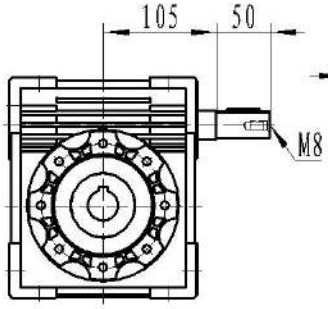
Ausgangshohlwelle / Output shaft hole



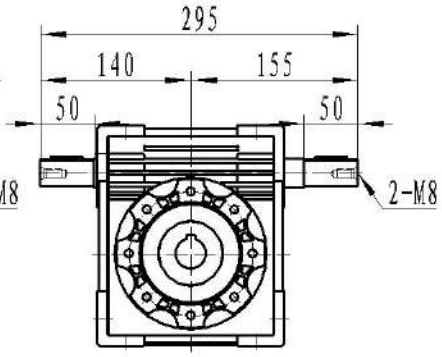




CMRV-E

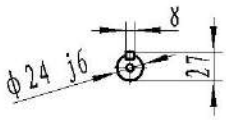


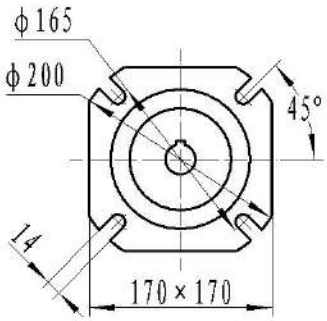
CMRV-R

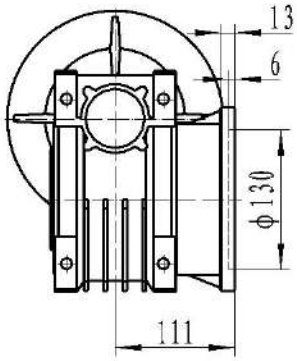


CMRV-E/R

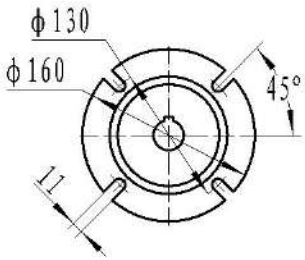
Eingangs- / Ausgangswelle
Input shaft / Output shaft

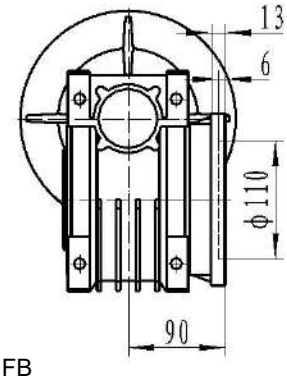






FA



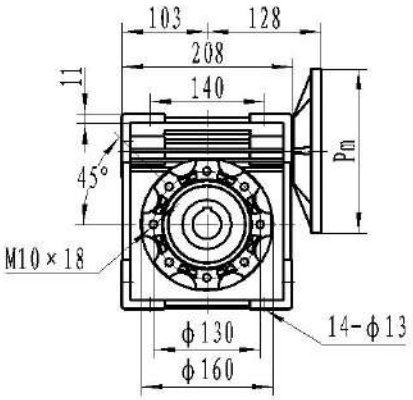


FB

Dimensions of output shaft		
D H7	b D10	t
28	8	31.3
(35)	(10)	(38.3)

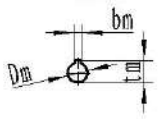
	Pm	Dm	bm	tm
71B5	160	14	5	16.3
80B5	200	19	6	21.8
80B14	120			
90B5	200	24	8	27.3
90B14	140			
100/112B5	250	28	8	31.3
100/112B14	160			

CMRV 090 Abmessungen / Dimensions

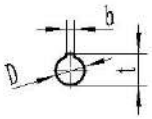


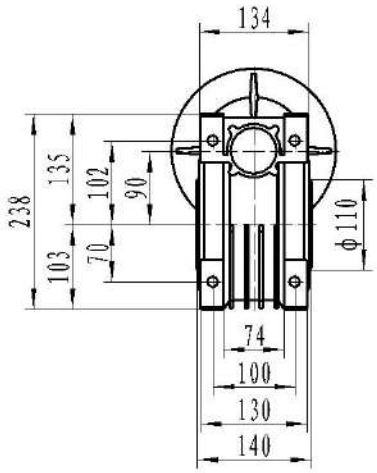
CMRV090

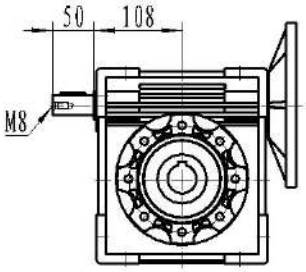
Eingangshohlwelle / Input shaft hole



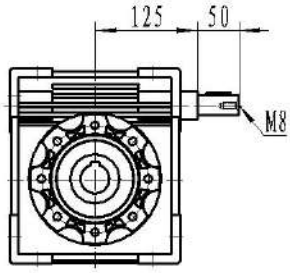
Ausgangshohlwelle / Output shaft hole



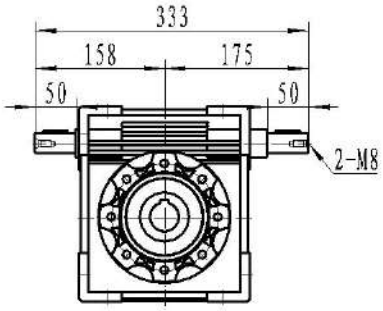




CMRV-E

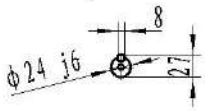


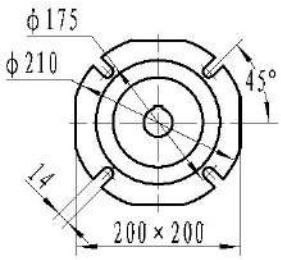
CMRV-R

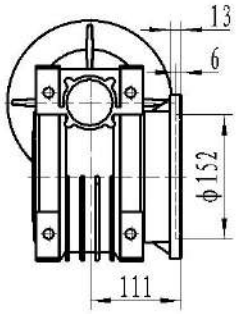


CMRV-E/R

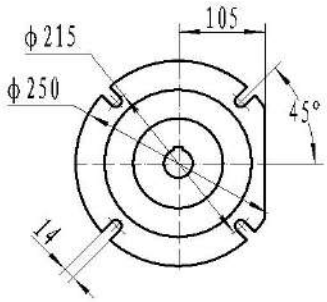
Eingangs- / Ausgangswelle
Input shaft / Output shaft

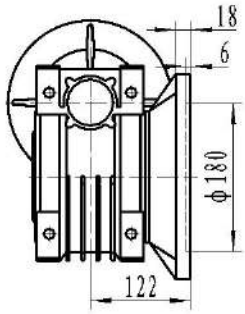




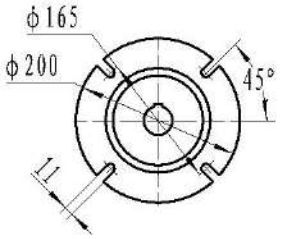


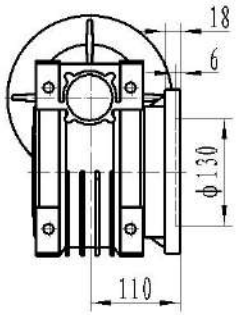
FA



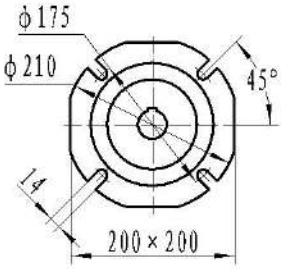


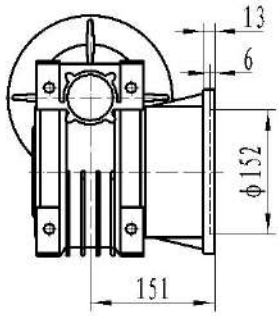
FB





FC



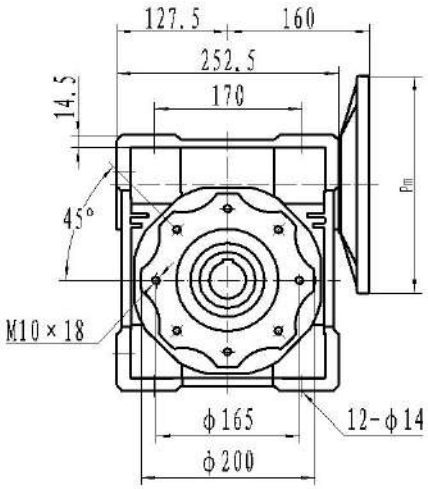


FD

Dimensions of Output Shaft		
D H7	b D10	t
35	10	38.3
(38)	(10)	(41.3)

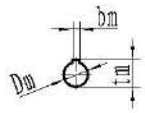
	Pm	Dm	bm	tm
80B5	200	19	6	21.8
80B14	120			
90B5	200	24	8	27.3
90B14	140			
100/112B5	250	28	8	31.3
100/112B14	160			

CMRV 110 Abmessungen / Dimensions

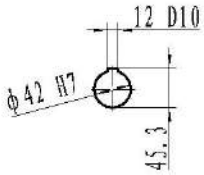


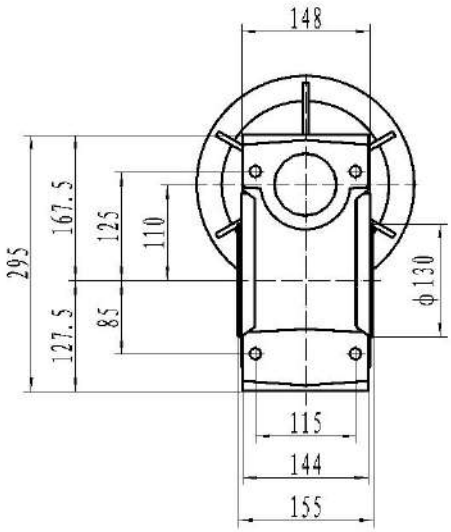
CMRV110

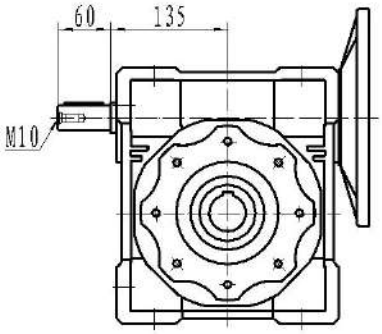
Eingangshohlwelle / Input shaft hole



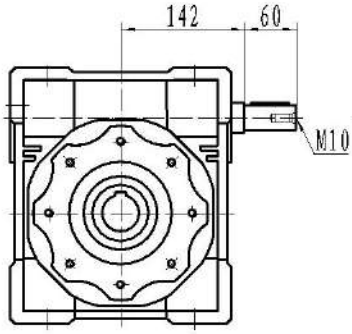
Ausgangshohlwelle / Output shaft hole



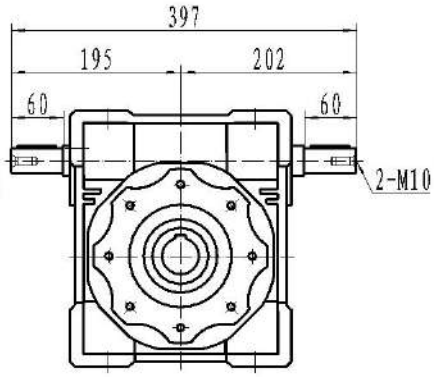




CMRV-E

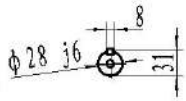


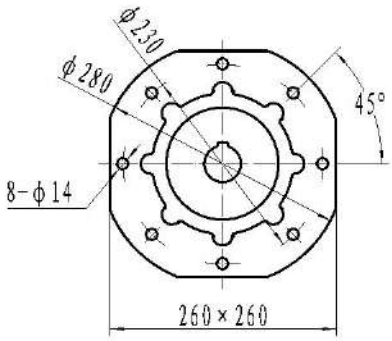
CMRV-R

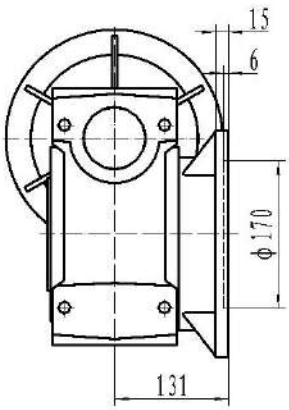


CMRV-E/R

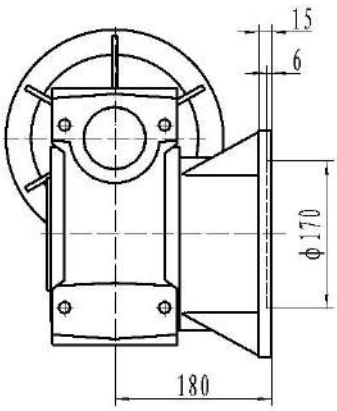
Eingangs- / Ausgangswelle
Input shaft / Output shaft







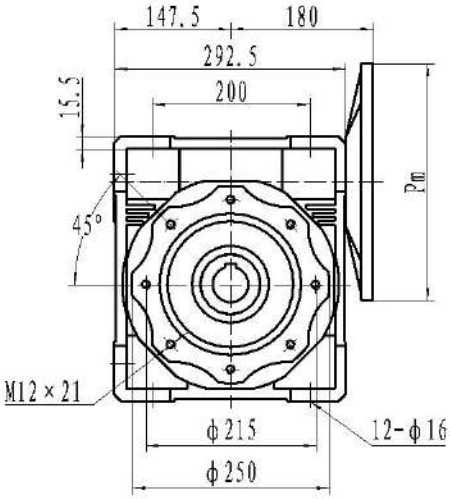
FA



FB

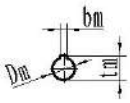
	Pm	Dm	bm	tm
80B5	200	19	6	21.8
90B5	200	24	8	27.3
90B14	140			
100/112B5	250	28	8	31.3
100/112B14	160			
132B5	300	38	10	41.3
132B14	200			

CMRV 130 Abmessungen / Dimensions

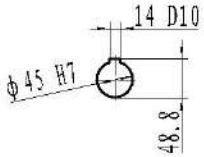


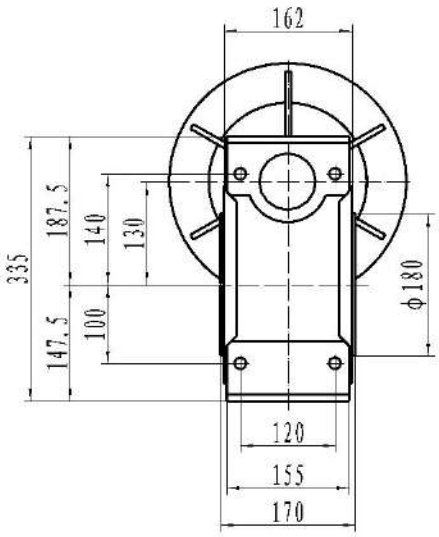
CMRV130

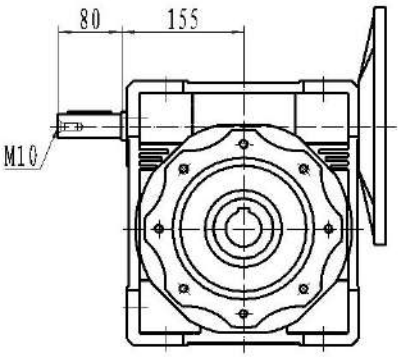
Eingangshohlwelle / Input shaft hole



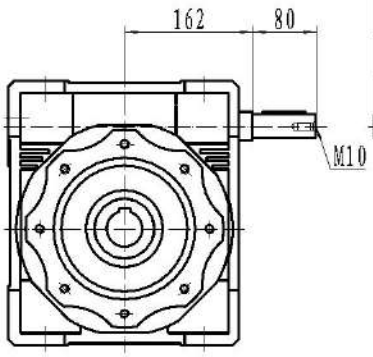
Ausgangshohlwelle / Output shaft hole



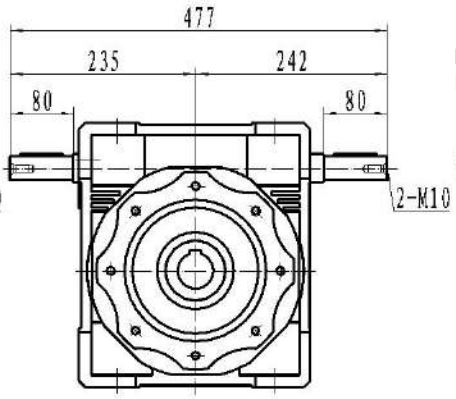




CMRV-E

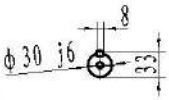


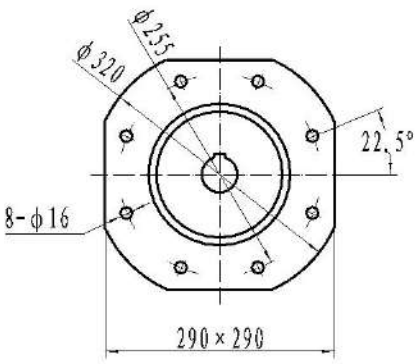
CMRV-R

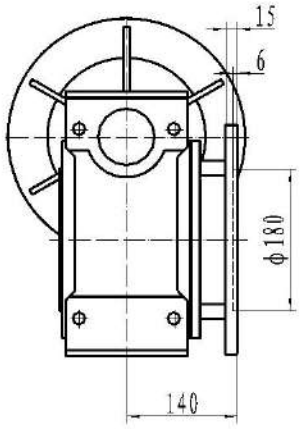


CMRV-E/R

Eingangs- / Ausgangswelle
Input shaft / Output shaft



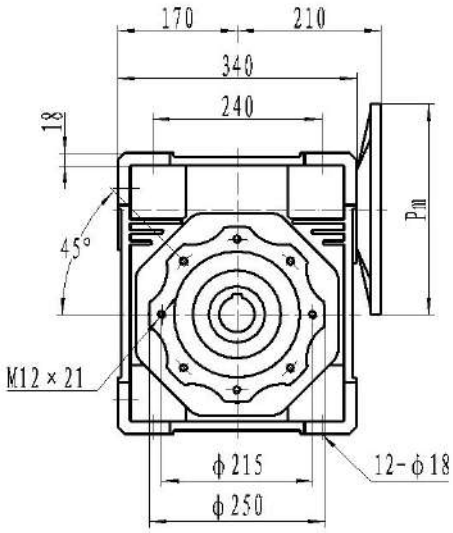




FA

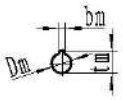
	Pm	Dm	bm	tm
90B5	200	24	8	27.3
90B14	140			
100/112B5	250	28	8	31.3
100/112B14	160			
132B5	300	38	10	41.3
132B14	200			

CMRV 150 Abmessungen / Dimensions

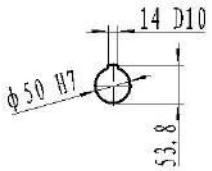


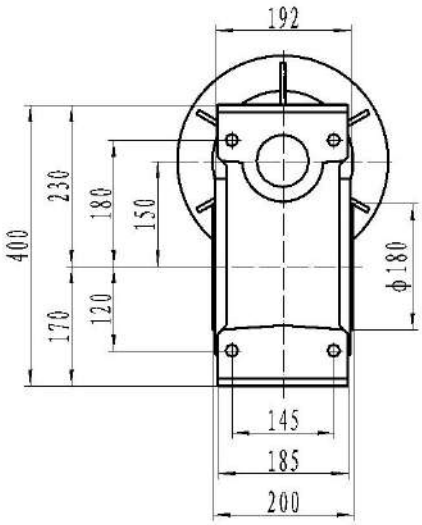
CMRV150

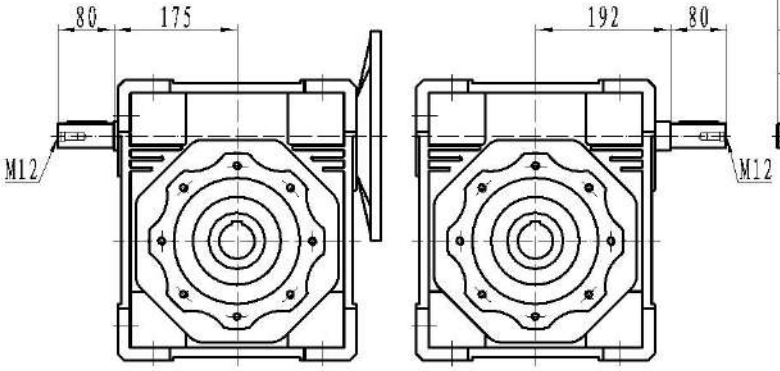
Eingangshohlwelle / Input shaft hole



Ausgangshohlwelle / Output shaft hole

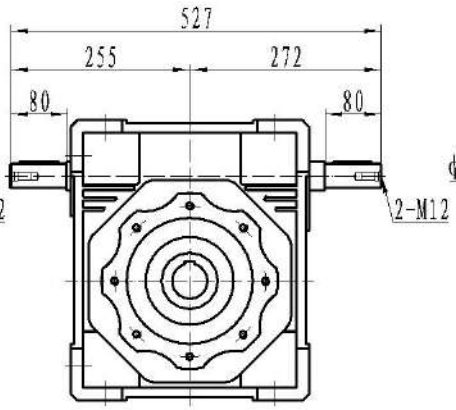






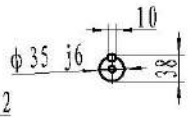
CMRV-E

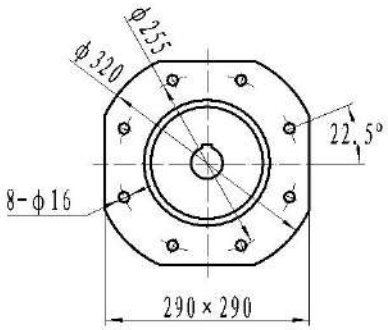
CMRV-R

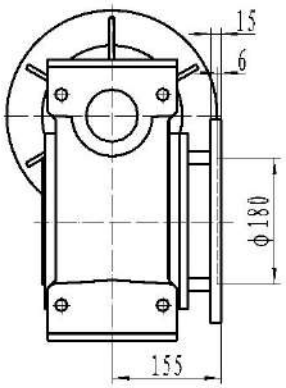


CMRV-E/R

Eingangs- / Ausgangswelle
Input shaft / Output shaft



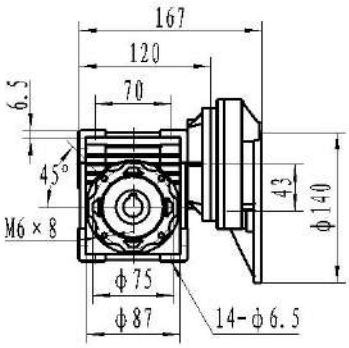




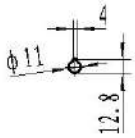
FA

	Pm	Dm	bm	tm
100/112B5	250	28	8	31.3
132B5	300	38	10	41.3
160B5	350	42	12	45.3

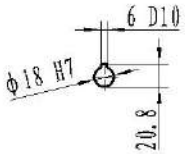
Abmessungen / Dimensions PC63-CMRV 040

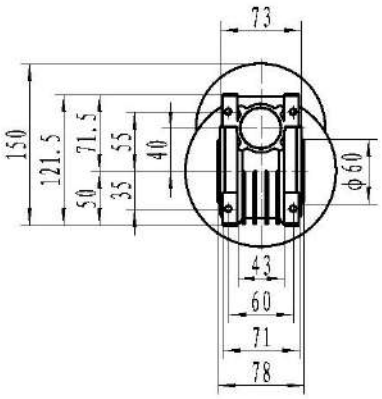


Eingangshohlwelle / Input shaft hole

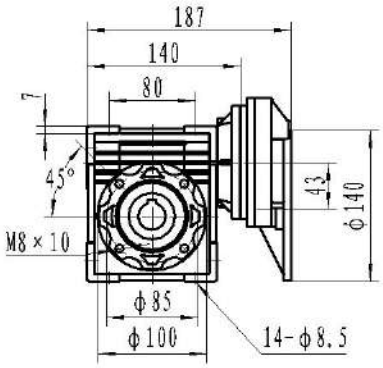


Ausgangshohlwelle / Output shaft hole

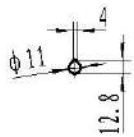




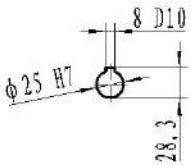
Abmessungen / Dimensions PC63-CMRV 050

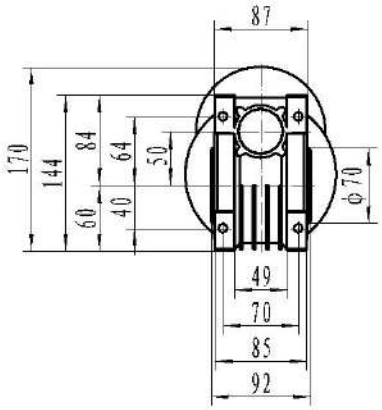


Eingangshohlwelle / Input shaft hole

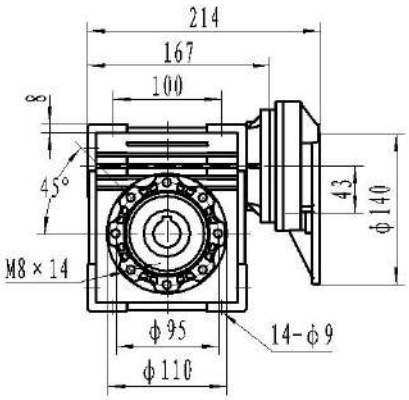


Ausgangshohlwelle / Output shaft hole

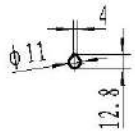




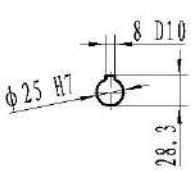
Abmessungen / Dimensions PC63-CMRV 063

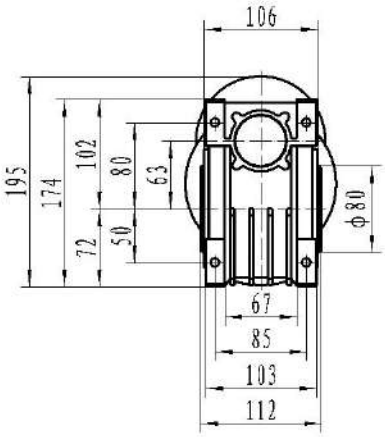


Eingangshohlwelle / Input shaft hole

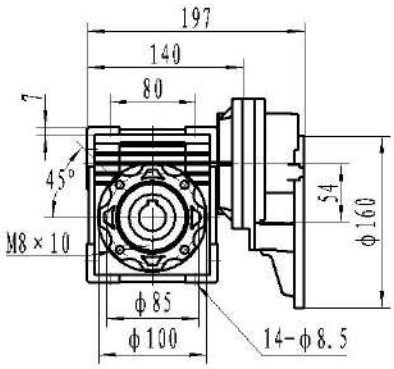


Ausgangshohlwelle / Output shaft hole

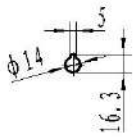




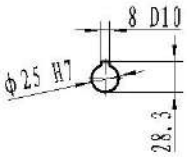
Abmessungen / Dimensions CMRV 050/PC071

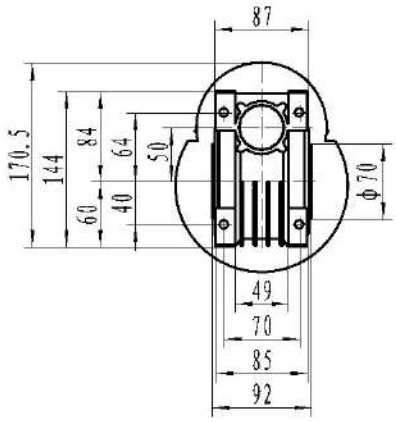


Eingangshohlwelle / Input shaft hole

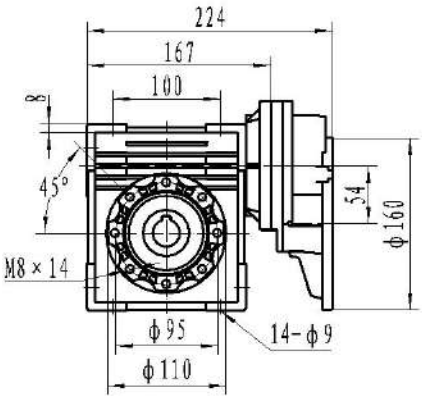


Ausgangshohlwelle / Output shaft hole

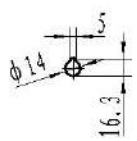




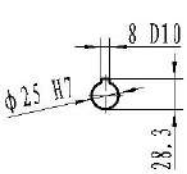
Abmessungen / Dimensions CMRV 063/PC071

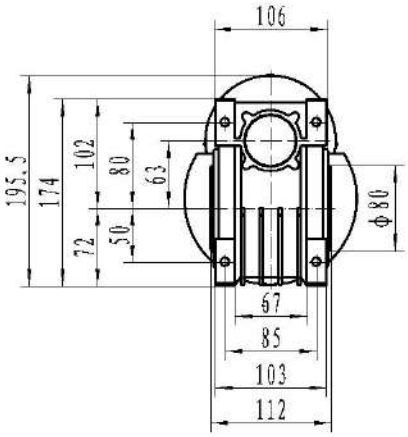


Eingangshohlwelle / Input shaft hole

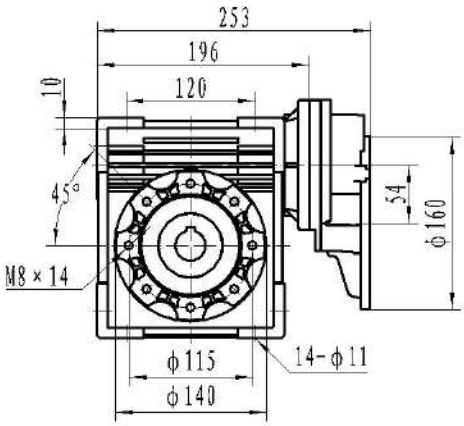


Ausgangshohlwelle / Output shaft hole

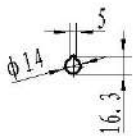




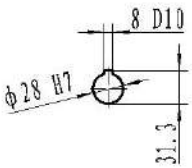
Abmessungen / Dimensions CMRV 075/PC071

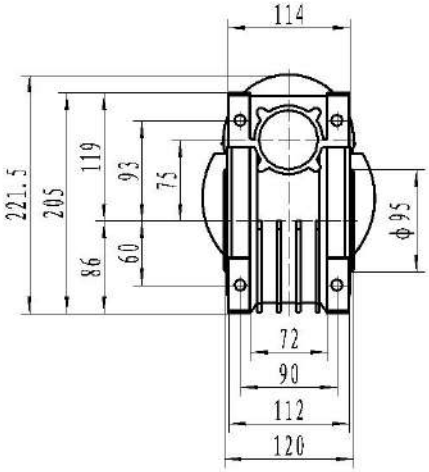


Eingangshohlwelle / Input shaft hole

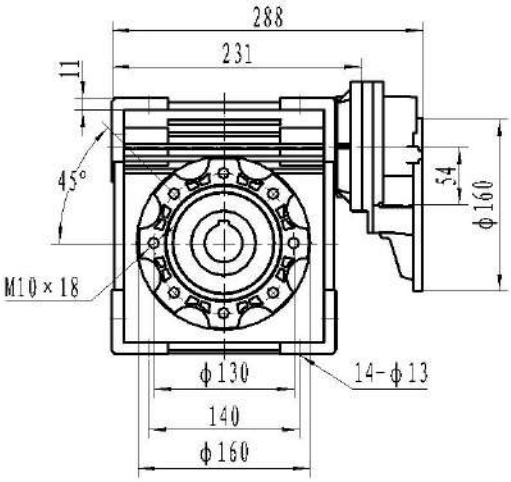


Ausgangshohlwelle / Output shaft hole

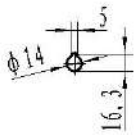




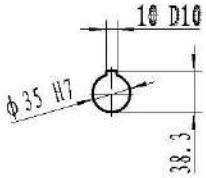
Abmessungen / Dimensions CMRV 090/PC071

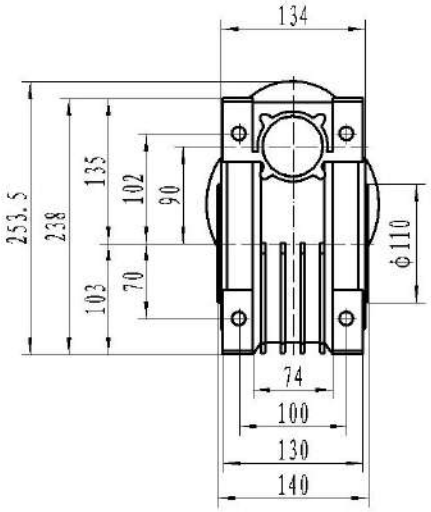


Eingangshohlwelle / Input shaft hole

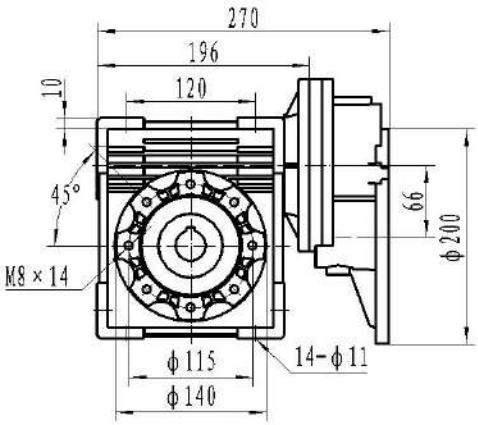


Ausgangshohlwelle / Output shaft hole

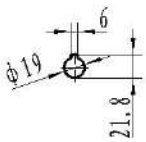




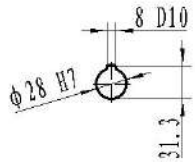
Abmessungen / Dimensions PC80-CMRV 075

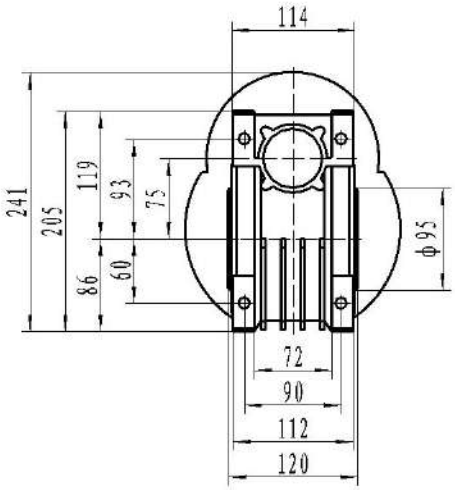


Eingangshohlwelle / Input shaft hole

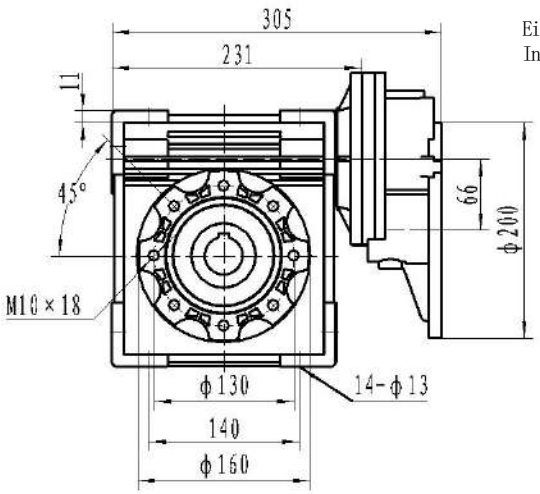


Ausgangshohlwelle / Output shaft hole

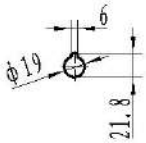




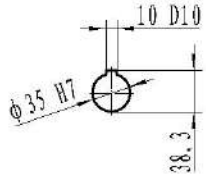
Abmessungen / Dimensions PC80-CMRV 090

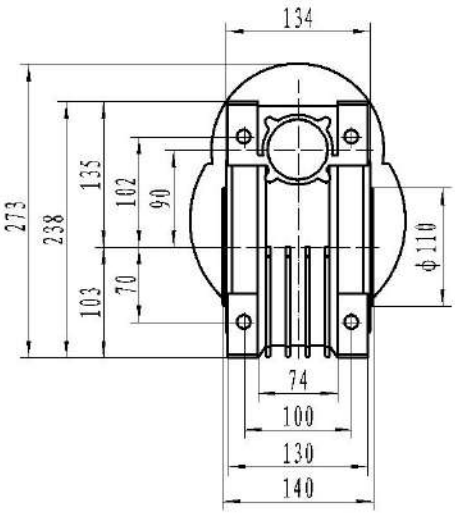


Eingangshohlwelle / Input shaft hole

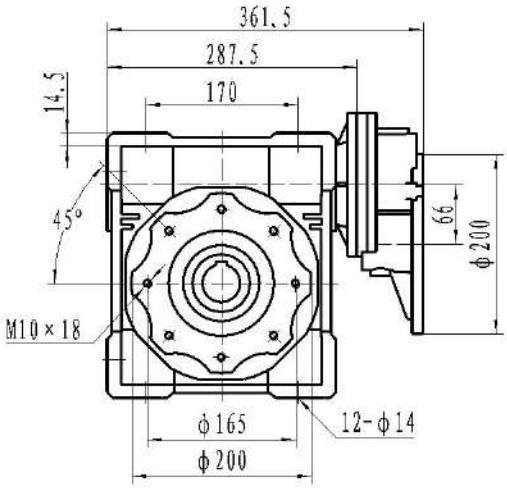


Ausgangshohlwelle / Output shaft hole

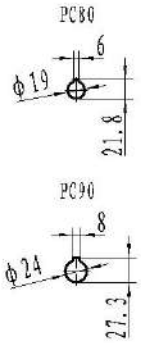




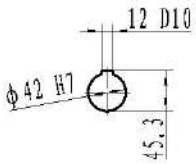
Abmessungen / Dimensions PC80(90)-CMRV 110

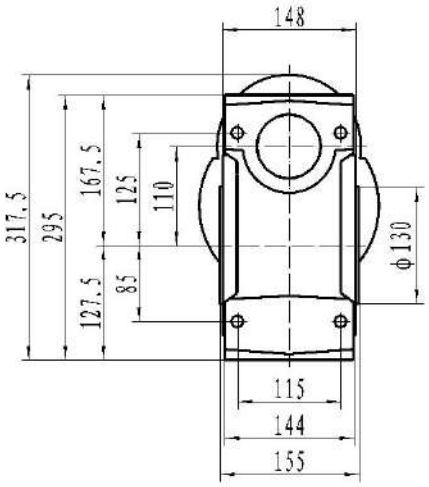


Eingangshohlwelle / Input shaft hole

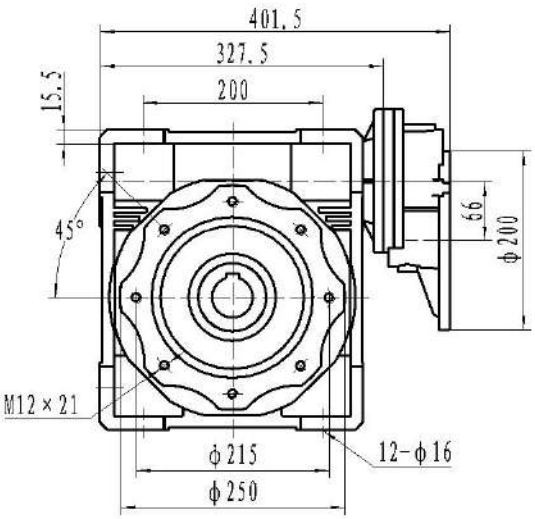


Ausgangshohlwelle / Output shaft hole

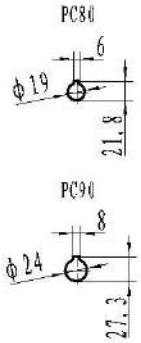




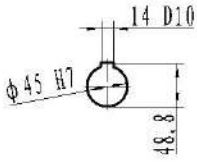
Abmessungen / Dimensions PC80(90)-CMRV 130

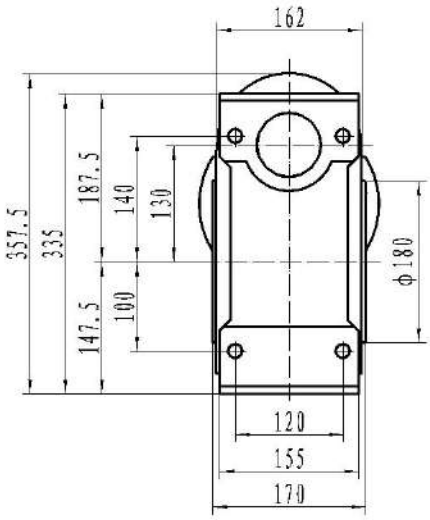


Eingangshohlwelle / Input shaft hole

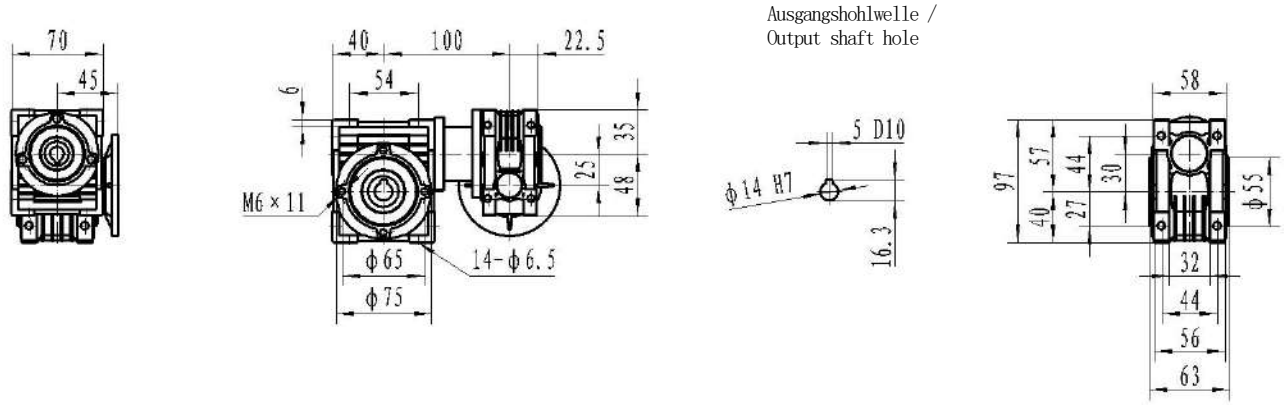


Ausgangshohlwelle / Output shaft hole

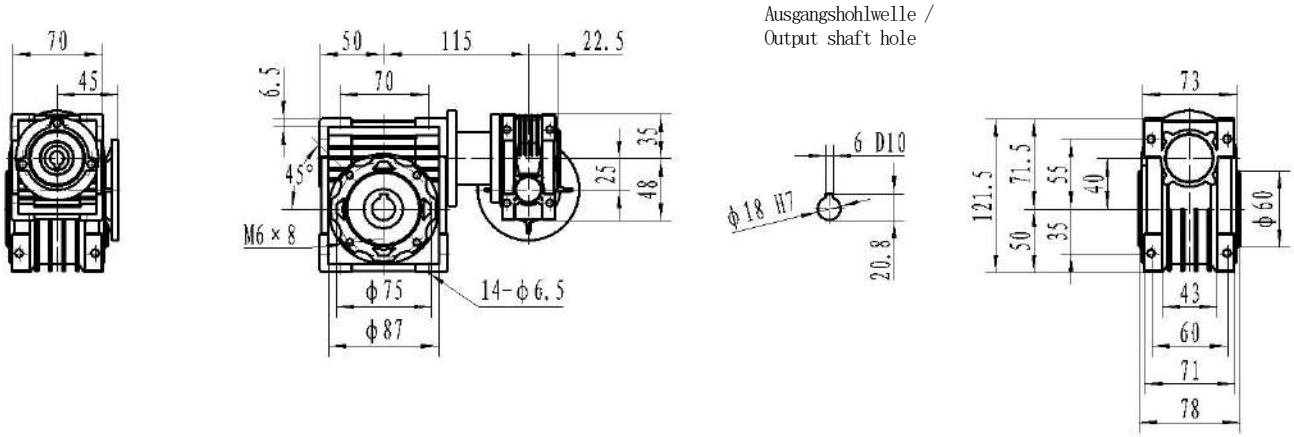




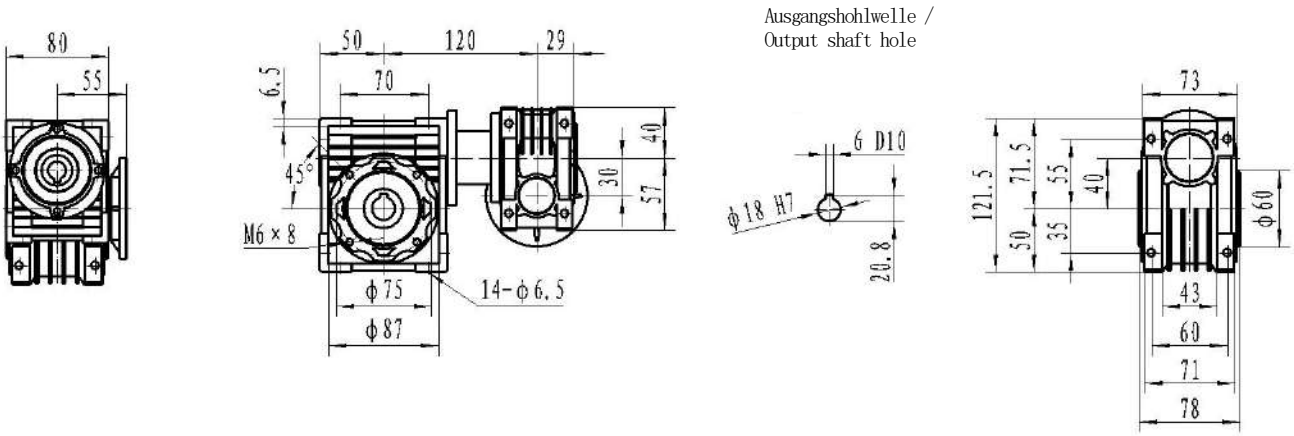
Abmessungen / Dimensions CMRV 025/030



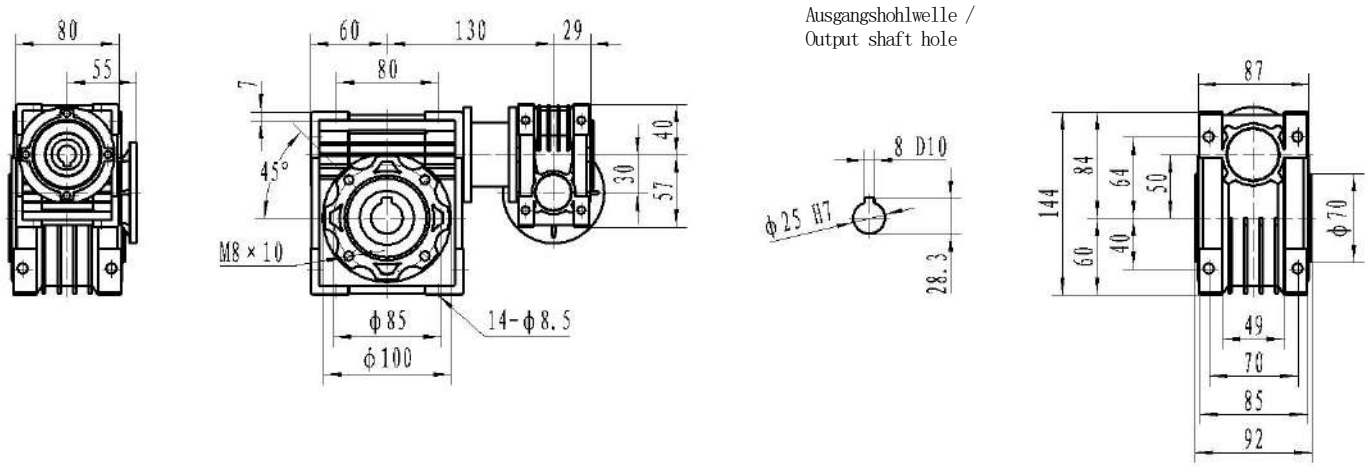
Abmessungen / Dimensions CMRV 025/040



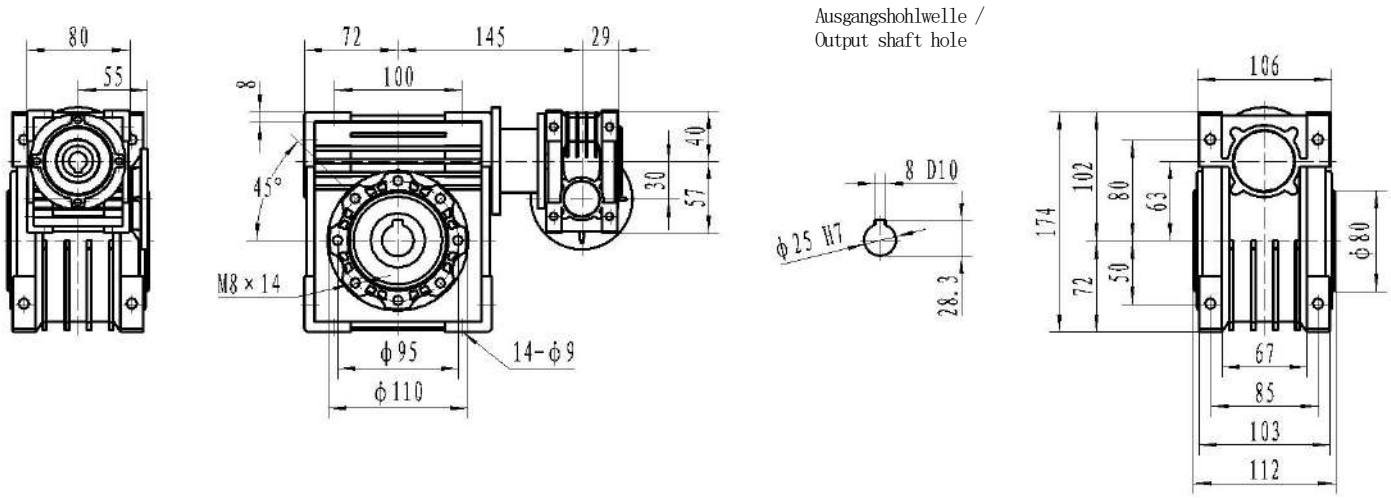
Abmessungen / Dimensions CMRV 030/040



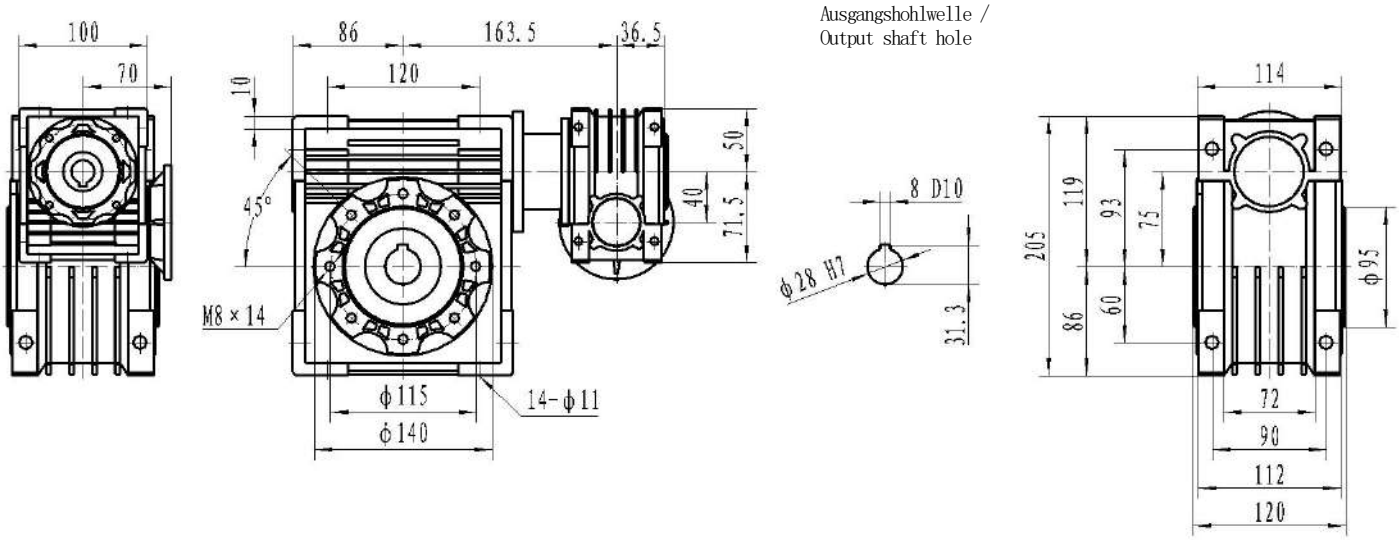
Abmessungen / Dimensions CMRV 030/050



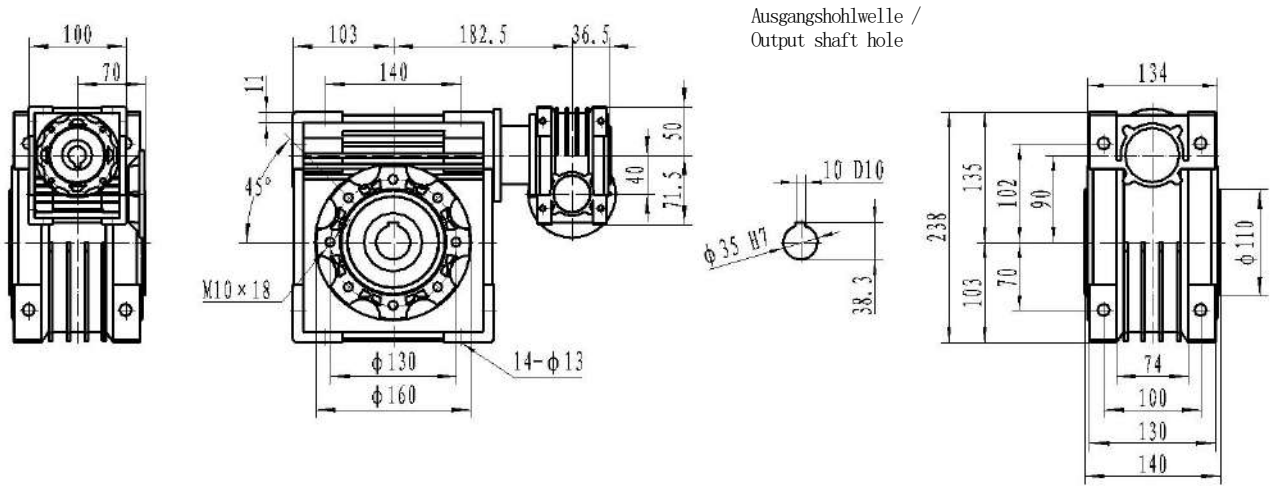
Abmessungen / Dimensions CMRV 030/063



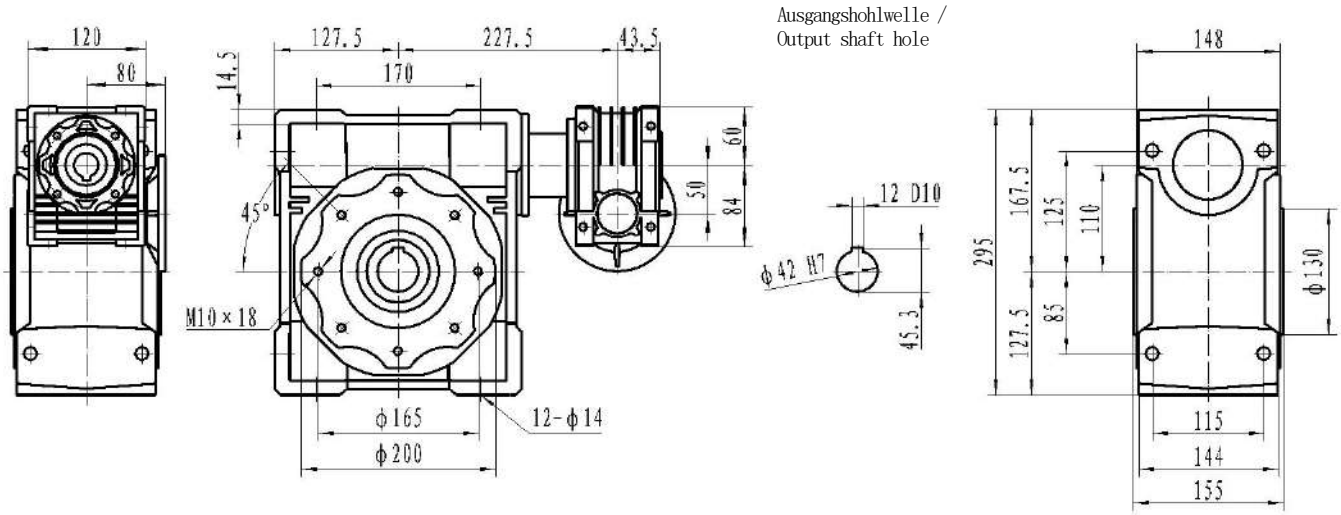
Abmessungen / Dimensions CMRV 040/075



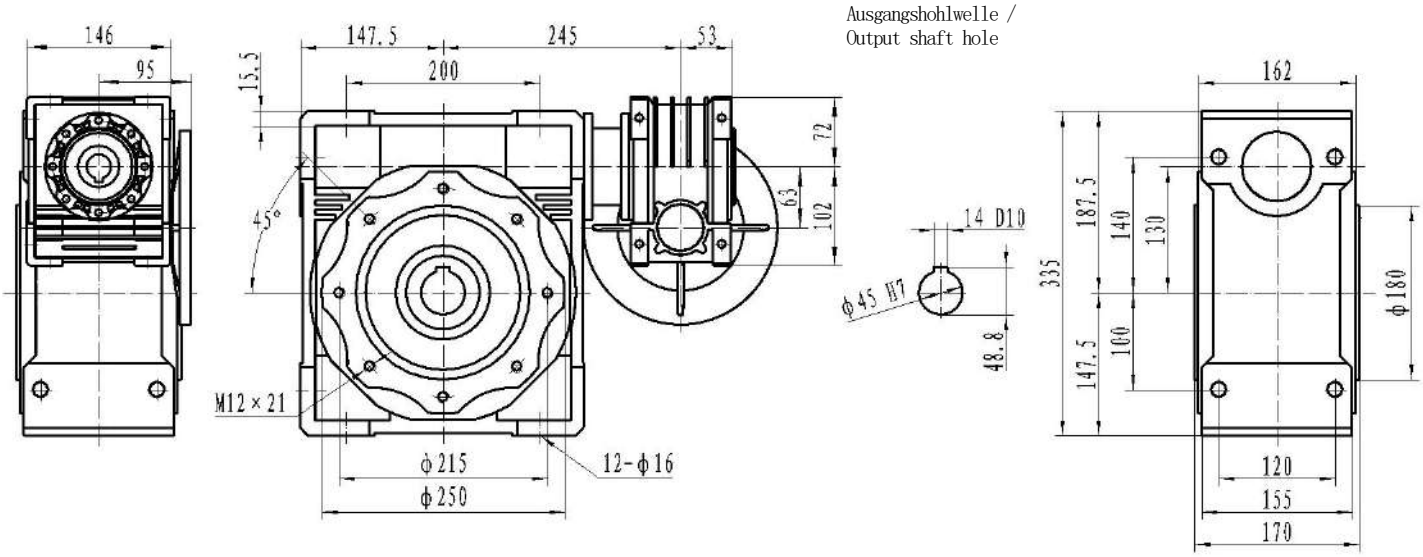
Abmessungen / Dimensions CMRV 040/090



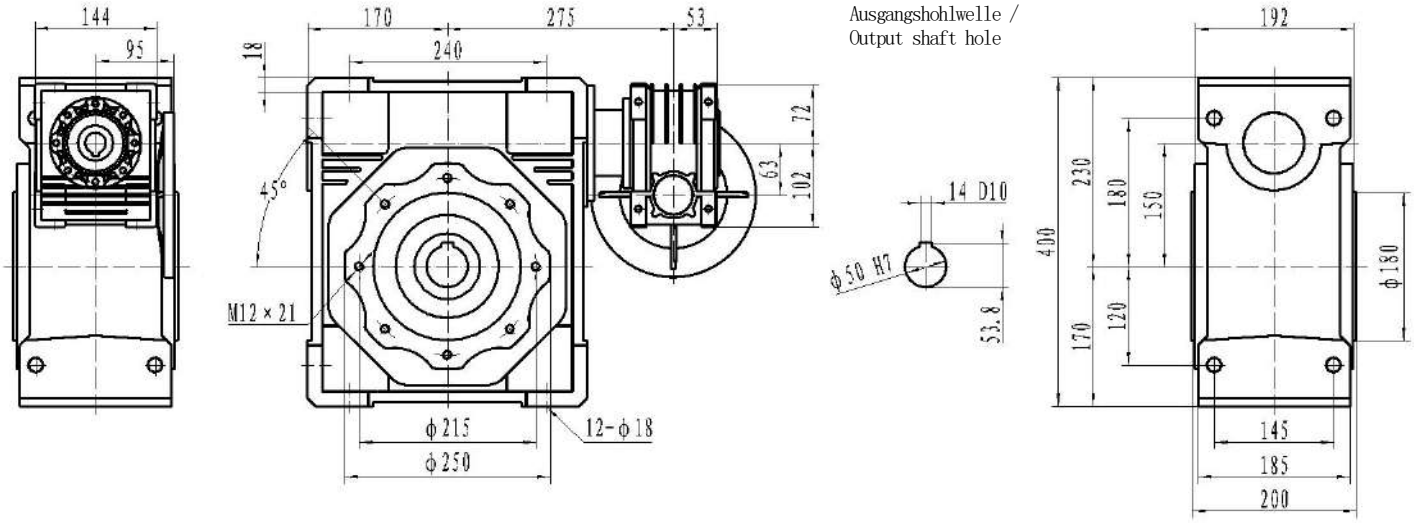
Abmessungen / Dimensions CMRV 050/110



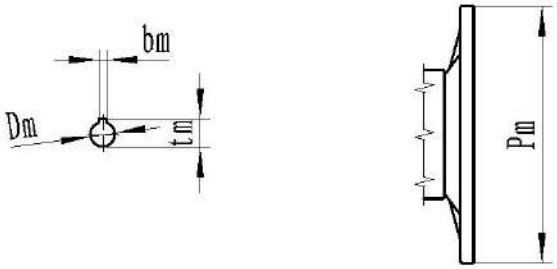
Abmessungen / Dimensions CMRV 063/130



Abmessungen / Dimensions CMRV 063/150

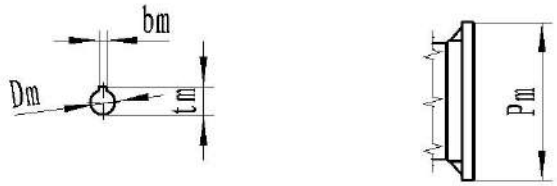


B5 Verbindungsflansch / B5 Connecting flange



B5	IEC							
	056	063	071	080	090	100/ 112	132	160
Pm	120	140	160	200	200	250	300	350
Dm	9	11	14	19	24	28	38	42
bm	3	4	5	6	8	8	10	12
t m	10.4	12.8	16.3	21.8	27.3	31.3	41.3	45.3

B14 Verbindungsflansch / B14 Connecting flange



B14	IEC						
	056	063	071	080	090	100/ 112	132
Pm	80	90	105	120	140	160	200
Dm	9	11	14	19	24	28	38
bm	3	4	5	6	8	8	10
t m	10.4	12.8	16.3	21.8	27.3	31.3	41.3

Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.06	280.0	1.8	6.2	5	CMRV 025	56A4	439	0.88
	186.7	2.6	4.2	7.5			503	0.85
	140.0	3.4	3.5	10			553	0.83
	93.3	4.9	2.5	15			633	0.80
	70.0	6.1	2.0	20			697	0.75
	46.7	8.2	1.6	30			798	0.67
	35.0	10	1.3	40			878	0.61
	28.0	12	0.9	50			946	0.59
	23.3	14	0.7	60			1006	0.57
	180.0	2.7	4.8	5	CMRV 025	56B6	509	0.85
	120.0	4.0	3.2	7.5			583	0.84
	90.0	5.2	2.7	10			641	0.82
	60.0	7.4	1.9	15			734	0.77
	45.0	9.3	1.4	20			808	0.73
	30.0	12	1.2	30			925	0.63
	22.5	15	0.9	40			1018	0.59
	18.0	18	0.7	20			1096	0.57
	280.0	1.8	10.1	5	CMRV 030	56A4	597	0.88
	186.7	2.6	6.9	7.5			683	0.85
	140.0	3.4	5.4	10			752	0.83
	93.3	4.7	3.8	15			861	0.77
	70.0	**6.0**	**3.0**	**20**			**948**	**0.73**
	56.0	7.0	3.0	25			1021	0.68
	46.7	8.0	2.5	30			1085	0.65
	35.0	9.7	1.9	40			1194	0.59
	28.0	11	1.5	50			1286	0.54
	23.3	13	1.3	60			1367	0.53
	17.5	14	0.9	80			1504	0.43
	15.0	18	0.9	60	CMRV 030	56B6	1583	0.47
	14.0	25	1.3	100	CMRV 025/030	56A4	1620	0.61
	9.3	32	0.9	150			1830	0.52
	7.0	41	0.7	200			1830	0.50
	5.6	44	0.8	250			1830	0.43
	18.0	18	2.3	50	CMRV 040	56B6	2868	0.57
	15.0	21	1.9	60			3047	0.55
	11.3	24	1.4	80			3354	0.47
	9.0	27	1.2	100			3490	0.42
	4.7	59	1.2	300	CMRV 025/040	56A4	3490	0.48
	3.5	71	0.9	400			3490	0.43
	2.8	82	0.7	500			3490	0.40
	2.3	101	0.6	600			3490	0.41
	1.9	116	0.5	750			3490	0.38
	1.6	143	0.5	900			3490	0.40
	1.2	171	0.4	1200			3490	0.36
	0.9	197	0.3	1500			3490	0.31
	0.8	217	0.3	1800			3490	0.30
	0.6	268	0.2	2400			3490	0.28
	0.5	324	0.2	3000			3490	0.28
	0.4	294	0.1	4000			3490	0.21
	0.3	356	0.1	5000			3490	0.19
	4.7	57	1.3	300	CMRV 030/040	56A4	3490	0.47
	3.5	70	0.9	400			3490	0.43
	2.8	96	0.6	500			3490	0.47
	2.3	104	0.7	600			3490	0.42

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.06	1.9	121	0.6	750	CMRV 030/040	56A4	3490	0.40
	1.6	139	0.5	900			3490	0.39
	1.2	166	0.4	1200			3490	0.35
	0.9	196	0.4	1500			3490	0.31
	0.8	218	0.3	1800			3490	0.30
	0.58	261	0.2	2400			3490	0.26
	0.4	300	0.2	3200			3490	0.21
	0.4	279	0.1	4000			3490	0.19
	0.28	338	0.1	5000			3490	0.17
	1.6	141	1.0	900	CMRV 030/050	56A4	4840	0.39
	1.2	169	0.7	1200			4840	0.35
	0.93	199	0.7	1500			4840	0.32
	0.78	222	0.7	1800			4840	0.30
	0.6	266	0.5	2400			4840	0.28
	0.5	307	0.4	3000			4840	0.27
	0.35	288	0.3	4000			4840	0.18
	0.29	311	0.3	4800			4840	0.16
	0.9	204	1.1	1500	CMRV 030/063	56A4	6270	0.32
	0.78	225	0.9	1800			6270	0.31
	0.58	276	0.8	2400			6270	0.28
	0.47	319	0.7	3000			6270	0.26
	0.35	**306**	**0.6**	**4000**			**6270**	**0.19**
	0.28	360	0.4	5000			6270	0.18
	0.6	330	1.1	2400	CMRV 040/075	56A4	7380	0.35
	0.47	377	0.8	3000			7380	0.31
	0.35	355	0.7	4000			7380	0.22
	0.28	419	0.5	5000			7380	0.20
	0.5	406	1.4	3000	CMRV 040/090	56A4	8180	0.35
	0.35	365	1.3	4000			8180	0.22
	0.28	431	1.0	5000			8180	0.21
0.09	560.0	1.4	5.9	5	CMRV 025	56A2	349	0.91
	373.3	2.0	3.9	7.5			399	0.87
	280.0	2.6	3.4	10			439	0.85
	186.7	3.8	2.4	15			503	0.83
	140.0	4.9	1.9	20			553	0.80
	93.3	6.7	1.3	30			633	0.73
	70.0	8.3	1.1	40			697	0.68
	56.0	10	0.9	50			751	0.65
	280.0	2.7	4.1	5	CMRV 025	56B4	439	0.88
	186.7	3.9	2.8	7.5			503	0.85
	140.0	5.1	2.4	10			553	0.83
	93.3	7.3	1.6	15			633	0.79
	70.0	9.2	1.3	20			697	0.75
	46.7	12	1.1	30			798	0.65
	35.0	15	0.9	40			878	0.61
	560.0	1.4	8.8	5	CMRV 030	56A2	474	0.91
	373.3	2.0	6.5	7.5			542	0.87
	280.0	2.6	5.0	10			597	0.85
	186.7	3.7	3.5	15			683	0.80
	140.0	4.8	2.5	20			752	0.78
	112.0	5.7	2.8	25			810	0.74
	93.3	6.5	2.3	30			861	0.71
	70.0	8.1	1.7	40			948	0.66
	56.0	10	1.4	50			1021	0.65

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.09	46.7	11	1.1	60	CMRV 030	56A2	1085	0.60
	35.0	13	0.9	80			1194	0.53
	280.0	2.7	6.7	5	CMRV 030	56B4	597	0.88
	186.7	3.9	4.6	7.5			683	0.85
	140.0	5.0	3.6	10			752	0.81
	93.3	7.1	2.5	15			861	0.77
	70.0	9.0	2.0	20			948	0.73
	56.0	10	2.0	25			1021	0.65
	46.7	12	1.7	30			1085	0.65
	35.0	14	1.2	40			1194	0.57
	28.0	17	1.0	50			1286	0.55
	23.3	19	0.9	60			1367	0.52
	180.0	4.1	4.9	5	CMRV 030	63A6	692	0.86
	120.0	5.9	3.4	7.5			792	0.82
	90.0	7.6	2.6	10			871	0.80
	60.0	11	1.9	15			997	0.77
	45.0	13	1.5	20			1098	0.68
	36.0	15	1.5	25			1183	0.63
	30.0	17	1.2	30			1257	0.59
	22.5	21	1.0	40			1383	0.55
	18.0	24	0.7	50			1490	0.50
	28.0	20	1.6	100	CMRV 025/030	56A2	1286	0.65
	18.7	25	1.1	150			1472	0.54
	14.0	33	0.9	200			1620	0.54
	14.0	38	0.8	100	CMRV 025/030	56B4	1620	0.62
	9.3	49	0.6	150			1830	0.53
	7.0	62	0.5	200			1830	0.50
	5.6	66	0.5	250			1830	0.43
	4.7	75	0.4	300			1830	0.41
	3.5	107	0.3	400			1830	0.44
	2.8	115	0.3	500			1830	0.37
	2.3	135	0.2	600			1830	0.36
	1.9	151	0.2	750			1830	0.33
	1.6	178	0.2	900			1830	0.33
	1.2	212	0.1	1200			1830	0.30
	0.9	247	0.1	1500			1830	0.26
	0.78	304	0.1	1800			1830	0.28
	0.58	340	0.1	2400			1830	0.23
	0.47	405	0.1	3000			1830	0.22
	28.0	19	2.0	50	CMRV 040	56B4	2475	0.62
	23.3	21	1.7	60			2630	0.57
	17.5	26	1.3	80			2895	0.53
	14.0	29	1.0	100			3118	0.47
	30.0	19	2.6	30	CMRV 040	63A6	2419	0.66
	22.5	24	1.9	40			2662	0.63
	18.0	27	1.5	50			2868	0.57
	15.0	31	1.3	60			3047	0.54
	11.3	37	1.0	80			3354	0.49
	9.0	41	0.8	100			3490	0.43
	12.0	47	1.3	73.5	PC63-CMRV 040	63A6	3283	0.66
	10.0	51	1.4	88.2			3488	0.59
	7.5	62	1.1	117.6			3490	0.54
	6.0	72	0.8	147			3490	0.50
	5.0	79	0.7	176.4			3490	0.46

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.09	9.3	45	1.6	300	CMRV 025/040	56A2	3490	0.49
	7.0	54	1.2	400			3490	0.44
	5.6	77	0.8	500			3490	0.50
	4.7	88	0.8	300	CMRV 030/040	56B4	3490	0.48
	15.0	32	2.3	60	CMRV 050	63A6	4183	0.56
	11.3	37	1.8	80			4604	0.49
	9.0	42	1.3	100			4840	
	6.0	73	1.6	147	PC63-CMRV 050	63A6	4840	0.51
	5.0	81	1.3	176.4			4840	0.47
	3.8	94	0.9	235.2			4840	0.42
	3.0	106	0.7	294			4840	0.37
	3.5	107	1.2	400	CMRV 030/050	56B4	4840	0.44
	2.8	123	1.0	500			4840	0.40
	2.3	159	0.9	600			4840	0.43
	1.9	185	0.8	750			4840	0.41
	1.6	212	0.7	900			4840	0.39
	3.8	99	1.7	235.2	PC63-CMRV 063	63A6	6270	0.44
	3.0	109	1.4	294			6270	0.38
	1.6	200	1.0	900	CMRV 030/063	56B4	6270	0.37
	1.2	263	0.9	1200			6270	0.37
	0.93	305	0.7	1500			6270	0.33
	0.9	360	1.1	1500	CMRV 040/075	56B4	7380	0.38
	0.78	404	1.0	1800			7380	0.37
	0.58	496	0.7	2400			7380	0.33
	0.5	609	0.9	3000	CMRV 040/090	56B4	8180	0.35
	0.35	548	0.8	4000			8180	0.22
0.12	560.0	1.8	4.4	5	CMRV 025	56B2	349	0.88
	373.3	2.7	3.0	7.5			399	0.88
	280.0	3.5	2.6	10			439	0.86
	186.7	5.0	1.8	15			503	0.81
	140.0	6.5	1.4	20			553	0.79
	93.3	9.0	1.0	30			633	0.73
	70.0	11	0.8	40			697	0.67
	280.0	3.6	5.1	5	CMRV 030	63A4	597	0.88
	186.7	5.2	3.4	7.5			683	0.85
	140.0	6.7	2.7	10			752	0.82
	93.3	9.5	1.9	15			861	0.77
	70.0	12	1.5	20			984	0.73
	56.0	14	1.5	25			1021	0.68
	46.7	16	1.3	30			1085	0.65
	35.0	19	0.9	40			1194	0.58
	28.0	23	0.8	50			1286	0.56
	180.0	5.4	3.7	5	CMRV 030	63B6	692	0.85
	120.0	7.9	2.5	7.5			792	0.83
	90.0	10	2.0	10			871	0.79
	60.0	14	1.4	15			997	0.73
	45.0	18	1.1	20			1098	0.71
	36.0	20	1.1	25			1183	0.63
	30.0	23	0.9	30			1257	0.60

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.12	46.7	17	2.6	30	CMRV 040	63A4	2087	0.69
	35.0	21	1.9	40			2298	0.64
	28.0	25	1.5	50			2475	0.61
	23.3	28	1.3	60			2630	0.57
	17.5	34	1.0	80			2895	0.52
	14.0	38	0.8	100			3118	0.46
	30.0	25	1.9	30	CMRV 040	63B6	2419	0.65
	22.5	32	1.4	40			2662	0.63
	18.0	36	1.2	50			2868	0.57
	15.0	41	0.9	60			3047	0.54
	18.7	42	1.2	73.5	PC63-CMRV 040	63A4	2833	0.69
	15.6	46	1.2	88.2			3011	0.63
	11.7	57	0.9	117.6			3314	0.58
	9.3	66	0.7	147			3490	0.54
	7.8	74	0.6	176.4			3490	0.50
	12.0	62	1.0	73.5	PC63-CMRV 040	63B6	3283	0.65
	10.0	68	1.1	88.2			3488	0.59
	7.5	83	0.8	117.6			3490	0.54
	23.3	29	2.3	60	CMRV 050	63A4	3610	0.59
	17.5	**35**	**1.9**	**80**			**3973**	**0.53**
	14.0	40	1.4	100			4280	0.49
	22.5	32	2.6	40	CMRV 050	63B6	3654	0.63
	18.0	38	2.0	50			3936	0.60
	15.0	42	1.7	60			4183	0.55
	11.3	50	1.4	80			4604	0.49
	9.0	56	1.0	100			4840	0.44
	9.3	68	1.3	147	PC63-CMRV 050	63A4	4840	0.55
	7.8	75	1.1	176.4			4840	0.51
	5.5	88	0.8	235.2			4840	0.42
	4.7	98	0.7	294			4840	0.40
	12.0	63	1.7	73.5	PC63-CMRV 050	63B6	4506	0.66
	10.0	70	2.1	88.2			4788	0.61
	7.5	84	1.5	117.6			4840	0.55
	6.0	97	1.2	147			4840	0.51
	5.0	108	1.0	176.4			4840	0.47
	3.8	125	0.7	235.2			4840	0.41
	4.7	119	1.2	300	CMRV 030/050	63A4	4840	0.49
	3.5	142	0.9	400			4840	0.43
	2.8	164	0.7	500			4840	0.40
	5.8	92	1.5	235.2	PC63-CMRV 063	63A4	6270	0.47
	4.7	103	1.2	294			6270	0.42
	6.0	101	2.1	147	PC63-CMRV 063	63B6	6270	0.53
	5.0	112	1.8	176.4			6270	0.49
	3.8	131	1.3	235.2			6270	0.43
	3.0	145	1.0	294			6270	0.38
	2.8	171	1.3	500	CMRV 030/063	63A4	6270	0.42
	2.3	208	1.1	600			6270	0.42
	1.9	241	0.9	750			6270	0.40

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.12	1.6	325	1.2	900	CMRV 040/075	63A4	7380	0.45
	1.2	399	0.9	1200			7380	0.42
	0.8	547	0.9	1800	CMRV 040/090	63A4	8180	0.38
	0.58	695	0.9	2400			8180	0.35
	0.5	884	1.2	3000	CMRV 050/110	63A4	10320	0.39
	0.35	784	1.0	4000			10320	0.24
	0.28	928	0.8	5000			10320	0.23
0.15	180.0	7.0	3.0	5	CMRV 030	63C6	692	0.88
	120.0	10	2.0	7.5			792	0.84
	90.0	13	1.6	10			871	0.82
	60.0	18	1.1	15			997	0.75
	45.0	22	0.9	20			1098	0.69
	60.0	19	2.4	15	CMRV 040	63C6	1920	0.80
	45.0	24	1.8	20			2113	0.75
	36.0	29	1.5	25			2276	0.73
	30.0	32	1.6	30			2419	0.67
	22.5	39	1.1	40			2662	0.61
	18.0	45	0.9	50			2868	0.57
	18.0	47	1.6	50	CMRV 050	63C6	3936	0.59
	15.0	53	1.4	60			4183	0.55
	11.3	62	1.1	80			4604	0.49
	10.0	87	1.7	88.2	PC63-CMRV 050	63C6	4788	0.61
	7.5	105	1.2	117.6			4840	0.55
	6.0	127	1.7	147	PC63-CMRV 063	63C6	6270	0.53
	5.0	140	1.4	176.4			6270	0.49
0.18	560.0	2.7	4.4	5	CMRV 030	63A2	474	0.88
	373.3	4.0	3.2	7.5			542	0.87
	280.0	5.2	2.5	10			597	0.85
	186.7	7.5	1.7	15			683	0.81
	140.0	10	1.3	20			752	0.81
	112.0	11	1.4	25			810	0.72
	93.3	13	1.1	30			861	0.71
	70.0	16	0.9	40			948	0.65
	280.0	5.3	3.4	5	CMRV 030	63B4	597	0.86
	186.7	7.8	2.3	7.5			683	0.85
	140.0	10	1.8	10			752	0.81
	93.3	14	1.3	15			861	0.76
	70.0	18	1.0	20			948	0.73
	56.0	21	1.0	25			1021	0.68
	46.7	24	0.8	30			1085	0.65
	93.3	14	2.4	30	CMRV 040	63A2	1657	0.76
	70.0	18	1.8	40			1824	0.73
	56.0	21	1.4	50			1964	0.68
	70.0	19	2.0	20	CMRV 040	63B4	1824	0.77
	56.0	23	1.7	25			1964	0.75
	46.7	26	1.7	30			2087	0.71
	35.0	32	1.3	40			2298	0.65
	28.0	38	1.0	50			2475	0.62
	23.3	43	0.8	60			2630	0.58

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.18	45.0	29	1.5	20	CMRV 040	71A6	2113	0.76
	36.0	34	1.3	25			2276	0.71
	30.0	38	1.3	30			2419	0.66
	22.5	47	1.0	40			2662	0.62
	18.7	64	0.8	73.5	PC63-CMRV 040	63B4	2833	0.70
	15.6	70	0.8	88.2			3011	0.64
	11.7	85	0.6	117.6			3314	0.58
	46.7	24	2.1	60	CMRV 050	63A2	2865	0.65
	35.0	30	1.5	80			3153	0.61
	28.0	34	1.2	100			3397	0.55
	35.0	33	2.3	40	CMRV 050	63B4	3153	0.67
	28.0	39	1.9	50			3397	0.64
	23.3	43	1.6	60			3610	0.58
	17.5	52	1.2	80			3973	0.53
	14.0	60	0.9	100			4280	0.49
	18.0	56	1.4	50	CMRV 050	71A6	3936	0.59
	15.0	63	1.1	60			4183	0.55
	11.3	75	0.9	80			4604	0.49
	18.7	64	1.4	73.5	PC63 CMRV 050	63B4	3889	0.70
	15.6	71	1.5	88.2			4132	0.64
	11.7	87	1.1	117.6			4548	0.59
	9.3	101	0.9	147			4840	0.55
	7.8	113	0.7	176.4			4840	0.51
	5.8	133	0.6	235.2			4840	0.45
	12.0	95	1.2	73.5	PC71-CMRV 050	71A6	4506	0.66
	10.0	105	1.4	88.2			4788	0.61
	7.5	126	1.0	117.6			4840	0.55
	15.0	66	2.1	60	CMRV 063	71A6	5467	0.58
	11.3	79	1.6	80			6018	0.52
	9.0	90	1.4	100			6270	0.47
	9.3	103	1.7	147	PC63-CMRV 063	63B4	6270	0.56
	7.8	117	1.4	176.4			6270	0.53
	5.8	139	1.0	235.2			6270	0.47
	4.7	155	0.8	294			6270	0.42
	12.0	97	2.2	73.5	PC71-CMRV 063	71A6	5889	0.68
	10.0	107	2.4	88.2			6259	0.62
	7.5	131	1.8	117.6			6270	0.57
	6.0	152	1.4	147			6270	0.53
	5.0	168	1.2	176.4			6270	0.49
	3.8	197	0.9	235.2			6270	0.44
	3.0	218	0.7	294			6270	0.38
	3.5	222	1.0	400	CMRV 030/063	63B4	6270	0.45
	2.8	257	0.8	500			6270	0.42
	5.0	179	1.7	176.4	PC71-CMRV 075	71A6	7380	0.52
	3.8	211	1.2	235.2			7380	0.47
	3.0	235	1.0	294			7380	0.41
	2.3	362	1.1	600	CMRV 040/075	63B4	7380	0.48
	1.9	435	0.9	750			7380	0.48
	1.6	487	0.8	900			7380	0.45

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.18	1.2	629	1.0	1200	CMRV 040/090	63B4	8180	0.44
	0.93	735	0.8	1500			8180	0.40
	0.8	861	1.5	1800	CMRV 050/110	63B4	10320	0.40
	0.58	1113	1.1	2400			10320	0.38
0.22	280.0	6.6	2.6	5	CMRV 030	63C4	597	0.88
	186.7	9.5	1.8	7.5			683	0.84
	140.0	12	1.4	10			752	0.82
	93.3	17	1.0	15			861	0.75
	70.0	22	0.8	20			948	0.73
	93.3	18	2.2	15	CMRV 040	63C4	1657	0.80
	70.0	23	1.7	20			1824	0.77
	56.0	28	1.4	25			1964	0.75
	46.7	32	1.4	30			2087	0.71
	35.0	39	1.1	40			2298	0.65
	28.0	47	0.8	50			2475	0.63
	28.0	47	1.5	50	CMRV 050	63C4	3397	0.63
	23.3	53	1.3	60			3610	0.59
	17.5	64	1.0	80			3937	0.53
	18.7	78	1.2	73.5	PC63-CMRV 050	63C4	3889	0.69
	15.6	86	1.2	88.2			4132	0.64
	11.7	106	0.9	117.6			4548	0.59
	9.3	126	1.4	147	PC63-CMRV 063	63C4	6270	0.56
	7.8	143	1.1	176.4			6270	0.53
	4.7	210	1.1	300	CMRV 030/063	63C4	6270	0.47
	3.5	271	0.8	400			6270	0.45
0.25	560.0	3.8	3.2	5	CMRV 030	63B2	474	0.89
	373.3	5.6	2.3	7.5			542	0.88
	280.0	7.2	1.8	10			597	0.84
	186.7	10	1.3	15			683	0.78
	140.0	13	0.9	20			752	0.76
	112.0	16	1.0	25			810	0.75
	93.3	18	0.8	30			861	0.70
	280.0	7.8	4.4	5	CMRV 040	71A4	1149	0.91
	186.7	11	3.6	7.5			1315	0.86
	140.0	14	2.8	10			1447	0.82
	93.3	21	1.9	15			1657	0.82
	70.0	27	1.5	20			1824	0.79
	56.0	32	1.2	25			1964	0.75
	46.7	36	1.3	30			2087	0.70
	35.0	44	0.9	40			2298	0.65
	180.0	12	3.5	5	CMRV 040	71B6	1331	0.90
	120.0	17	2.6	7.5			1524	0.85
	90.0	22	2.0	10			1677	0.83
	60.0	31	1.4	15			190	0.78
	45.0	40	1.1	20			2113	0.75
	36.0	48	0.9	25			2276	0.72
	30.0	53	0.9	30			2419	0.67
	35.0	42	1.1	80	CMRV 050	63B2	3153	0.62
	28.0	48	0.8	100			3397	0.56

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.25	70.0	27	2.7	20	CMRV 050	71A4	2503	0.79
	56.0	32	2.2	25			2696	0.75
	46.7	37	2.3	30			2865	0.72
	35.0	46	1.7	40			3153	0.67
	28.0	54	1.4	50			3397	0.63
	23.3	60	1.1	60			3610	0.59
	17.5	72	0.9	80			3973	0.53
	45.0	40	1.9	20	CMRV 050	71B6	2900	0.75
	36.0	48	1.5	25			3124	0.72
	30.0	54	1.7	30			3320	0.68
	22.5	67	1.2	40			3654	0.63
	18.0	78	1.0	50			3936	0.59
	15.0	88	0.8	60			4183	0.55
	18.7	88	1.0	73.5	PC71-CMRV 050	71A4	3889	0.69
	15.6	98	1.1	88.2			4132	0.64
	11.7	121	0.8	117.6			4548	0.59
	28.0	56	2.4	50	CMRV 063	71A4	4440	0.66
	23.3	63	2.0	60			4719	0.61
	17.5	78	1.6	80			5193	0.57
	14.0	87	1.4	100			5595	0.51
	18.0	81	1.8	50	CMRV 063	71B6	5145	0.61
	15.0	92	1.5	60			5467	0.58
	11.3	110	1.2	80			6018	0.52
	9.0	125	1.0	100			6270	0.47
	18.7	91	1.8	73.5	PC71-CMRV 063	71A4	5083	0.71
	15.6	100	2.0	88.2			5401	0.65
	11.7	125	1.5	117.6			5945	0.61
	9.3	143	1.2	147			6270	0.56
	7.8	163	1.0	176.4			6270	0.53
	5.8	192	0.7	235.2			6270	0.47
	4.7	215	0.6	294			6270	0.42
	12.0	135	1.6	73.5	PC71-CMRV 063	71B6	5889	0.68
	10.0	148	1.8	88.2			6259	0.62
	7.5	181	1.3	117.6			6270	0.57
	6.0	211	1.0	147			6270	0.53
	7.0	159	1.4	400	CMRV 030/063	63B2	6270	0.47
	5.6	185	1.2	500			6270	0.43
	17.5	82	2.3	80	CMRV 075	71A4	6130	0.60
	14.0	94	1.9	100			6603	0.55
	11.3	117	1.7	80	CMRV 075	71B6	7103	0.55
	9.0	133	1.4	100			7380	0.50
	9.3	151	1.7	147	PC071-CMRV 075	71A4	7380	0.59
	7.8	172	1.4	176.4			7380	0.56
	5.8	201	1.1	235.2			7380	0.49
	4.7	230	0.9	294			7380	0.45
	12.0	139	2.4	73.5	PC071-CMRV 075	71B6	6952	0.70
	10.0	155	2.5	88.2			7380	0.65
	7.5	191	1.9	117.6			7380	0.60
	6.0	219	1.5	147			7380	0.55
	5.0	248	1.2	176.4			7380	0.52

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.25	3.5	336	1.1	400	CMRV 040/075	71A4	7380	0.49
	2.8	384	0.8	500			7380	0.45
	5.0	263	1.9	176.4	PC71-CMRV 090	71B6	8180	0.55
	3.8	318	1.4	235.2			8180	0.51
	3.0	358	1.1	294			8180	0.45
	2.3	512	1.2	600	CMRV 040/090	71A4	8180	0.49
	1.9	598	0.9	750			8180	0.48
	1.6	667	0.8	900			8180	0.45
	1.2	943	1.3	1200	CMRV 050/110	71A4	10320	0.47
	0.93	1064	1.2	1500			10320	0.41
	0.78	1195	1.1	1800			10320	0.39
	0.6	1624	1.0	2400	CMRV 063/130	71A4	13500	0.41
	0.47	1935	0.8	3000			13500	0.38
	0.35	2046	0.6	4000			13500	0.30
	0.28	2430	0.5	5000			13500	0.28
	0.8	1199	1.8	1800	CMRV 063/150	71A4	18000	0.40
	0.6	1446	1.8	2400			18000	0.36
	0.5	1713	1.4	3000			18000	0.36
	0.4	2026	0.9	4000			18000	0.34
	0.3	2251	0.7	5000			18000	0.28
0.37	560.0	5.6	2.1	5	CMRV 030	63C2	474	0.89
	373.3	8.2	1.6	7.5			542	0.87
	280.0	11	1.2	10			597	0.87
	186.7	15	0.8	15			683	0.79
	560.0	5.7	4.2	5	CMRV 040	71A2	912	0.90
	373.3	8.4	3.3	7.5			1044	0.89
	280.0	11	2.6	10			1149	0.87
	186.7	16	1.9	15			1315	0.85
	140.0	21	1.4	20			1447	0.83
	112.0	25	1.1	25			1559	0.79
	280.0	11	3.0	5	CMRV 040	71B4	1149	0.87
	186.7	16	2.4	7.5			1315	0.85
	140.0	21	1.9	10			1447	0.83
	93.3	31	1.3	15			1657	0.82
	70.0	39	1.0	20			1824	0.77
	56.0	47	0.8	25			1964	0.74
	46.7	53	0.8	30			2087	0.70
	112.0	25	2.0	25	CMRV 050	71A2	2140	0.79
	93.3	29	2.2	30			2274	0.77
	70.0	37	1.6	40			2503	0.73
	56.0	44	1.2	50			2696	0.70
	46.7	50	1.0	60			2865	0.66
	35.0	62	0.7	80			3153	0.61
	140.0	22	3.3	10	CMRV 050	71B4	1987	0.87
	93.3	31	2.4	15			2274	0.82
	70.0	40	1.8	20			2503	0.79
	56.0	48	1.5	25			2696	0.76
	46.7	55	1.5	30			2865	0.73
	35.0	68	1.1	40			3153	0.67
	28.0	80	0.9	50			3397	0.63
	23.3	89	0.8	60			3610	0.59

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.37	180.0	17	4.3	5	CMRV 050	80A6	1827	0.87
	120.0	25	3.3	7.5			2091	0.85
	90.0	33	2.5	10			2302	0.84
	60.0	47	1.8	15			2635	0.80
	45.0	60	1.3	20			2900	0.76
	36.0	72	1.0	25			3124	0.73
	30.0	80	1.1	30			3320	0.68
	35.0	71	2.1	40	CMRV 063	71B4	4122	0.70
	28.0	83	1.6	50			4440	0.66
	23.3	94	1.4	60			4719	0.62
	17.5	115	1.1	80			5193	0.57
	14.0	129	0.9	100			5595	0.51
	45.0	60	2.4	20	CMRV 063	80A6	3791	0.76
	36.0	74	1.9	25			4084	0.75
	30.0	82	2.1	30			4339	0.70
	22.5	102	1.6	40			4776	0.65
	18.0	120	1.2	50			5145	0.61
	15.0	137	1.0	60			5467	0.58
	18.7	134	1.2	73.5	PC71-CMRV 063	71B4	5083	0.71
	15.6	148	1.4	88.2			5401	0.65
	11.7	185	1.0	117.6			5945	0.61
	9.3	212	0.8	147			6270	0.56
	9.3	181	1.3	300	CMRV 030/063	71A2	6270	0.48
	7.0	236	1.0	400			6270	0.47
	23.3	98	2.0	60	CMRV 75	71B4	5569	0.65
	17.5	121	1.6	80			6130	0.60
	14.0	139	1.3	100			6603	0.55
	18.0	126	1.8	50	CMRV 75	80A6	6073	0.64
	15.0	144	1.5	60			6453	0.61
	11.3	173	1.2	80			7103	0.55
	9.0	196	1.0	100			7380	0.50
	18.7	138	1.8	73.5	PC71-CMRV 075	71B4	6000	0.73
	15.6	154	1.9	88.2			6375	0.68
	11.7	191	1.5	117.6			7017	0.63
	9.3	223	1.1	147			7380	0.59
	7.8	254	0.9	176.4			7380	0.56
	12.0	206	1.6	75	PC80-CMRV 075	80A6	6952	0.70
	10.0	230	1.7	90			7380	0.65
	7.5	283	1.3	120			7380	0.60
	6.0	324	1.0	150			7380	0.55
	4.7	405	1.0	300	CMRV 040/075	71B4	7380	0.54
	3.5	498	0.7	400			7380	0.49
	11.3	185	1.7	80	CMRV 090	80A6	7859	0.59
	9.0	212	1.3	100			8180	0.54
	7.8	268	1.5	176.4	PC71-CMRV 090	71B4	8180	0.59
	5.8	321	1.1	235.2			8180	0.53
	4.7	371	0.9	294			8180	0.49

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.37	6.0	347	1.6	150	PC80-CMRV 090	80A6	8180	0.59
	5.0	389	1.3	180			8180	0.55
	3.8	471	1.0	240			8180	0.51
	4.7	402	1.5	300	CMRV 040/090	80A6	8180	0.53
	3.5	523	1.2	400			8180	0.52
	2.8	611	0.9	500			8180	0.48
	2.3	757	0.8	600			8180	0.49
	3.8	509	1.6	240	PC80-CMRV 110	80A6	10320	0.55
	3.0	577	1.3	300			10320	0.49
	1.9	950	1.3	750	CMRV 050/110	71B4	10320	0.51
	1.6	1079	1.2	900			10320	0.49
	1.2	1396	0.8	1200			10320	0.47
	0.9	1674	1.1	1500	CMRV 063/130	71B4	13500	0.43
	0.78	1887	0.9	1800			13500	0.42
	0.8	1775	1.2	1800	CMRV 063/150	71B4	18000	0.40
	0.6	2141	1.2	2400			18000	0.36
	0.5	2535	0.9	3000			18000	0.36
0.55	560.0	8.4	2.8	5	CMRV 040	71B2	912	0.90
	373.3	13	2.2	7.5			1044	0.89
	280.0	16	1.8	10			1149	0.87
	186.7	24	1.3	15			1315	0.85
	140.0	31	0.9	20			1447	0.83
	112.0	37	0.8	25			1559	0.79
	280.0	17	2.0	5			1149	0.91
	186.7	24	1.6	7.5			1315	0.85
	140.0	32	1.3	10			1447	0.85
	93.3	46	0.9	15			1657	0.82
	140.0	31	1.7	20	CMRV 050	71B2	1987	0.83
	112.0	38	1.4	25			2140	0.81
	93.3	43	1.5	30			2274	0.76
	70.0	55	1.1	40			2503	0.73
	56.0	65	0.8	50			2696	0.69
	46.7	74	0.7	60			2865	0.66
	280.0	17	3.7	5	CMRV 050	80A4	1577	0.91
	186.7	25	2.9	7.5			1805	0.89
	140.0	32	2.2	10			1987	0.85
	93.3	46	1.6	15			2274	0.82
	70.0	59	1.2	20			2503	0.79
	56.0	71	1.0	25			2696	0.76
	46.7	81	1.0	30			2865	0.72
	120.0	38	2.2	7.5	CMRV 050	80B6	2091	0.87
	90.0	49	1.7	10			2302	0.84
	60.0	69	1.2	15			2635	0.79
	45.0	89	0.9	20			2900	0.76
	70.0	56	1.9	40	CMRV 063	71B2	3272	0.75
	56.0	67	1.5	50			3524	0.71
	46.7	77	1.2	60			3745	0.68
	35.0	95	0.9	80			4122	0.63
	28.0	109	0.7	100			4440	0.58

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.55	70.0	61	2.2	20	CMRV 063	80A4	3272	0.81
	56.0	73	1.8	25			3524	0.78
	46.7	83	1.9	30			3745	0.74
	35.0	105	1.4	40			4122	0.70
	28.0	124	1.1	50			4440	0.66
	23.3	140	0.9	60			4719	0.62
	60.0	71	2.2	15	CMRV 063	80B6	3444	0.81
	45.0	90	1.6	20			3791	0.77
	36.0	109	1.3	25			4084	0.75
	30.0	123	1.4	30			4339	0.70
	22.5	152	1.1	40			4776	0.65
	18.7	200	0.8	73.5	PC71-CMRV 063	71C4	5083	0.71
	15.6	219	0.9	88.2			5401	0.65
	35.0	99	1.3	80	CMRV 075	71B2	4865	0.66
	28.0	114	1.0	100			5241	0.61
	35.0	108	2.0	40	CMRV 075	80A4	4865	0.72
	28.0	129	1.6	50			5241	0.69
	23.3	146	1.4	60			5569	0.65
	17.5	180	1.1	80			6130	0.60
	14.0	206	0.9	100			6603	0.55
	30.0	128	2.0	30	CMRV 075	80B6	5122	0.73
	22.5	159	1.5	40			5637	0.68
	18.0	187	1.2	50			6073	0.64
	15.0	214	1.0	60			6453	0.61
	18.7	205	1.2	73.5	PC71-CMRV 075	71C4	6000	0.73
	15.6	230	1.3	88.2			6375	0.68
	11.7	284	1.0	117.6			7017	0.63
	18.7	205	1.2	75	PC80-CMRV 075	80A4	6000	0.73
	15.6	230	1.3	90			6375	0.68
	11.7	284	1.0	120			7017	0.63
	9.3	332	0.8	150			7380	0.59
	12.0	306	1.1	75	PC80-CMRV 075	80B6	6952	0.70
	10.0	341	1.1	90			7380	0.65
	17.5	189	1.5	80	CMRV 090	80A4	6783	0.63
	14.0	221	1.2	100			7306	0.59
	18.0	198	2.0	50	CMRV 090	80B6	6719	0.68
	15.0	224	1.6	60			7140	0.64
	11.3	275	1.1	80			7859	0.59
	9.0	315	0.9	100			8180	0.54
	15.6	240	2.3	90	PC80-CMRV 090	80A4	7054	0.71
	11.7	297	1.6	120			7764	0.66
	9.3	355	1.3	150			8180	0.63
	7.8	398	1.0	180			8180	0.59
	10.0	357	2.0	90	PC80-CMRV 090	80B6	8174	0.68
	7.5	441	1.4	120			8180	0.63
	6.0	516	1.1	150			8180	0.59
	5.0	578	0.9	180			8180	0.55

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.55	9.3	306	2.0	300	CMRV 040/090	71B2	8180	0.54
	7.0	403	1.5	400			8180	0.54
	5.6	470	1.2	500			8180	0.50
	17.5	201	2.6	80	CMRV 110	80A4	8571	0.67
	14.0	236	2.0	100			9232	0.63
	11.3	294	1.9	80	CMRV 110	80B6	9931	0.63
	9.0	338	1.5	100			10320	0.58
	7.8	425	1.8	180	PC80-CMRV 110	80A4	10320	0.63
	5.8	513	1.3	240			10320	0.57
	4.7	597	1.0	300			10320	0.53
	7.5	462	2.6	120	PC80-CMRV 110	80B6	10320	0.66
	6.0	552	2.0	150			10320	0.63
	5.0	620	1.6	180			10320	0.59
	3.8	756	1.1	240			10320	0.55
	4.7	639	2.0	300	CMRV 050/110	80A4	10320	0.57
	3.5	826	1.4	400			10320	0.55
	2.8	984	1.1	500			10320	0.52
	2.3	1181	1.0	600			10320	0.52
	1.9	1411	0.9	750			10320	0.51
	3.8	756	1.6	240	PC80-CMRV 130	80B6	13500	0.55
	3.0	858	1.3	300			13500	0.49
	2.8	996	1.6	500	CMRV 063/130	80A4	13500	0.53
	1.9	1471	1.2	750			13500	0.53
	1.2	2132	0.8	1200			13500	0.49
	0.8	2638	0.8	1800	CMRV 063/150	80A4	18000	0.40
	0.6	3182	0.8	2400			18000	0.36
0.75	560.0	12	2.1	5	CMRV 040	71C2	912	0.94
	373.3	17	1.6	7.5			1044	0.89
	280.0	23	1.3	10			1149	0.88
	186.7	32	1.0	15			1315	0.83
	560.0	12	3.9	5	CMRV 050	80A2	1251	0.94
	373.3	17	3.0	7.5			1433	0.89
	280.0	23	2.4	10			1577	0.90
	186.7	33	1.7	15			1805	0.86
	140.0	42	1.3	20			1987	0.82
	112.0	51	1.0	25			2140	0.80
	93.3	58	1.1	30			2274	0.76
	280.0	23	2.7	5	CMRV 050	80B4	1577	0.90
	186.7	34	2.1	7.5			1805	0.89
	140.0	44	1.6	10			1987	0.86
	93.3	63	1.2	15			2274	0.82
	70.0	81	0.9	20			2503	0.79
	140.0	43	2.3	20	CMRV 063	80A2	2597	0.84
	112.0	52	1.8	25			2797	0.81
	93.3	60	2.0	30			2973	0.78
	70.0	77	1.4	40			3272	0.75
	56.0	91	1.1	50			3524	0.71
	46.7	104	0.9	60			3745	0.68

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.75	93.3	64	2.2	15	CMRV 063	80B4	2973	0.83
	70.0	83	1.6	20			3272	0.81
	56.0	100	1.3	25			3524	0.78
	46.7	114	1.4	30			3745	0.74
	35.0	143	1.0	40			4122	0.70
	120.0	52	2.9	7.5	CMRV 063	90S6	2734	0.87
	90.0	68	2.3	10			3009	0.85
	60.0	97	1.6	15			3444	0.81
	45.0	123	1.2	20			3791	0.77
	36.0	149	0.9	25			4084	0.75
	30.0	167	1.0	30			4339	0.70
	46.7	109	1.3	60	CMRV 075	80A2	4421	0.71
	28.0	156	0.8	100			5241	0.61
	56.0	102	2.0	25	CMRV 075	80B4	4160	0.80
	46.7	117	2.0	30			4421	0.76
	35.0	147	1.5	40			4865	0.72
	28.0	177	1.2	50			5241	0.69
	23.3	200	1.0	60			5569	0.65
	60.0	98	2.4	15	CMRV 075	90S6	4065	0.82
	45.0	126	1.9	20			4474	0.79
	36.0	153	1.4	25			4820	0.77
	30.0	174	1.5	30			5122	0.73
	22.5	216	1.1	40			5637	0.68
	18.7	280	0.9	75	PC80-CMRV 075	80B4	6000	0.73
	15.6	313	1.0	90			6375	0.68
	35.0	141	1.6	80	CMRV 090	80A2	5383	0.69
	28.0	166	1.2	100			5799	0.65
	28.0	184	1.8	50	CMRV 090	80B4	5799	0.72
	23.3	212	1.5	60			6163	0.69
	17.5	258	1.1	80			6783	0.63
	14.0	302	0.9	100			7306	0.59
	30.0	179	2.6	30	CMRV 090	90S6	5667	0.75
	22.5	226	1.8	40			6238	0.71
	18.0	271	1.4	50			6719	0.68
	15.0	306	1.1	60			7140	0.64
	15.6	327	1.7	90	PC80-CMRV 090	80B4	7054	0.71
	11.7	405	1.2	120			7764	0.66
	9.3	483	0.9	150			8180	0.63
	7.8	543	0.7	180			8180	0.59
	7.0	549	1.1	400	CMRV 040/090	80A2	8180	0.54
	5.6	642	0.9	500			8180	0.50
	17.5	274	1.9	80	CMRV 110	80B4	8571	0.67
	14.0	322	1.5	100			9232	0.63
	15.0	325	2.1	60	CMRV 110	90S6	9023	0.68
	11.3	401	1.4	80			9931	0.63
	9.0	462	1.1	100			10320	0.58

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
0.75	11.7	430	2.2	120	PC80-CMRV 110	80B4	9811	0.70
	9.3	506	1.7	150			10320	0.66
	7.8	580	1.3	180			10320	0.63
	5.8	700	0.9	240			10320	0.57
	12.4	393	3.2	73	PC90-CMRV 110	90S6	9614	0.68
	9.3	508	2.3	96.8			10320	0.66
	7.4	607	1.8	121			10320	0.63
	6.2	682	1.5	145.2			10320	0.59
	4.6	832	1.0	193.6			10320	0.53
	9.3	446	2.8	300	CMRV 050/110	80A2	10320	0.58
	7.0	563	2.1	400			10320	0.55
	5.6	687	1.6	500			10320	0.54
	4.7	871	1.5	300	CMRV 050/110	80B4	10320	0.57
	3.5	1126	1.1	400			10320	0.55
	11.3	407	2.1	80	CMRV 130	90S6	12989	0.64
	9.0	470	1.7	100			13500	0.59
	5.8	712	1.4	240	PC80-CMRV 130	80B4	13500	0.58
	4.7	813	1.1	300			13500	0.53
	12.4	399	4.4	73	PC90-CMRV 130	90S6	12757	0.69
	9.3	508	3.2	96.8			13500	0.66
	7.4	607	2.6	121			13500	0.63
	6.2	682	2.1	145.2			13500	0.59
	4.6	832	1.5	193.6			13500	0.53
	3.7	944	1.2	242			13500	0.49
	2.8	1358	1.1	500	CMRV 063/130	80B4	13500	0.53
	2.3	1631	1.0	600			13500	0.52
	1.9	2005	0.9	750			13500	0.53
	1.6	2283	0.8	900			13500	0.51
	2.8	1291	1.8	500	CMRV 063/150	80B4	18000	0.50
	2.3	1529	1.7	600			18000	0.49
	1.9	1783	1.3	750			18000	0.47
	1.6	2215	0.9	900			18000	0.49
	1.2	2680	1.0	1200			18000	0.45
1.1	560.0	17	2.6	5	CMRV 050	80B2	1251	0.91
	373.3	25	2.1	7.5			1433	0.89
	280.0	33	1.6	10			1577	0.88
	186.7	48	1.2	15			1805	0.85
	140.0	62	0.9	20			1987	0.83
	186.7	48	2.1	15	CMRV 063	80B2	2359	0.85
	140.0	63	1.6	20			2597	0.84
	112.0	77	1.2	25			2797	0.82
	93.3	88	1.4	30			2973	0.78
	70.0	113	1.0	40			3272	0.75
	120.0	76	2.0	7.5	CMRV 063	90L6	2734	0.87
	90.0	99	1.5	10			3009	0.85
	60.0	142	1.1	15			3444	0.81
	45.0	180	0.8	20			3791	0.77

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
1.1	186.7	50	2.6	7.5	CMRV 063	90S4	2359	0.89
	140.0	65	2.0	10			2597	0.87
	93.3	93	1.5	15			2973	0.83
	70.0	122	1.1	20			3272	0.81
	56.0	146	0.9	25			3524	0.78
	46.7	167	1.0	30			3745	0.74
	112.0	78	1.9	25	CMRV 075	80B2	3302	0.83
	93.3	90	1.9	30			3509	0.80
	70.0	116	1.4	40			3862	0.77
	56.0	139	1.1	50			4160	0.74
	46.7	160	0.9	60			4421	0.71
	90.0	100	2.3	10	CMRV 075	90L6	3551	0.86
	60.0	144	1.6	15			4065	0.82
	45.0	184	1.3	20			4474	0.79
	36.0	225	1.0	25			4820	0.77
	30.0	256	1.0	30			5122	0.73
	93.3	96	2.1	15	CMRV 075	90S4	3509	0.85
	70.0	123	1.7	20			3862	0.82
	56.0	150	1.3	25			4160	0.80
	46.7	171	1.3	30			4421	0.76
	35.0	**216**	**1.0**	**40**			**4865**	**0.72**
	35.0	207	1.1	80	CMRV 090	80B2	5383	0.69
	28.0	244	0.8	100			5799	0.65
	36.0	231	1.6	25	CMRV 090	90L6	5333	0.79
	30.0	263	1.8	30			5667	0.75
	22.5	331	1.2	40			6238	0.71
	18.0	397	1.0	50			6719	0.68
	15.0	448	0.8	60			7140	0.64
	35.0	225	1.6	40	CMRV 090	90S4	5383	0.75
	28.0	270	1.3	50			5799	0.72
	23.3	311	1.0	60			6163	0.69
	22.5	345	2.3	40	CMRV 110	90L6	7882	0.74
	18.0	414	1.8	50			8491	0.71
	15.0	476	1.4	60			9023	0.68
	11.3	588	1.0	80			9931	0.63
	28.0	281	2.3	50	CMRV 110	90S4	7328	0.75
	23.3	324	1.9	60			7787	0.72
	17.5	402	1.3	80			8571	0.67
	14.0	473	1.0	100			9232	0.63
	12.4	576	2.2	73	PC90-CMRV 110	90L6	9614	0.68
	9.3	746	1.6	96.8			10320	0.66
	7.4	890	1.2	121			10320	0.63
	6.2	1000	1.0	145.2			10320	0.59
	19.3	392	2.5	73	PC90-CMRV 110	90S4	8298	0.72
	14.5	508	1.8	96.8			9133	0.70
	11.6	599	1.5	121			9838	0.66
	9.6	686	1.1	145.2			10320	0.63
	7.2	828	0.8	193.6			10320	0.57

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
1.1	9.3	654	1.9	300	CMRV 050/110	80B2	10320	0.58
	7.0	845	1.4	400			10320	0.56
	5.6	1007	1.1	500			10320	0.54
	11.3	598	1.4	80	CMRV 130	90L6	12989	0.64
	9.0	689	1.1	100			13500	0.59
	17.5	408	2.1	80	CMRV 130	90S4	11210	0.68
	14.0	480	1.5	100			12076	0.64
	12.4	585	3.0	73	PC90-CMRV 130	90L6	12575	0.69
	9.3	746	2.2	96.8			13500	0.66
	7.4	890	1.7	121			13500	0.63
	6.2	1000	1.4	145.2			13500	0.59
	4.6	1220	1.0	193.6			13500	0.53
	19.3	398	3.5	73	PC90-CMRV 130	90S4	10853	0.73
	14.5	508	2.6	96.8			11945	0.70
	11.6	608	2.0	121			12868	0.67
	9.6	686	1.6	145.2			13500	0.63
	7.2	843	1.2	193.6			13500	0.58
	5.8	962	0.9	242			13500	0.53
	4.7	1312	1.3	300	CMRV 63/130	90S4	13500	0.59
	3.5	1671	1.0	400			13500	0.56
	2.8	1991	0.8	500			13500	0.53
	9.3	753	3.1	150	CMRV 63/150	90S4	18000	0.67
	7.0	966	2.4	200			18000	0.64
	5.6	1175	1.7	250			18000	0.63
	4.7	1364	1.7	300			18000	0.61
	3.5	1619	1.6	400			18000	0.54
	2.8	1893	1.2	500			18000	0.50
	2.3	2242	1.2	600			18000	0.49
	1.9	2616	0.9	750			18000	0.47
1.5	560.0	23	1.9	5	CMRV 050	80C2	1251	0.90
	373.3	34	1.5	7.5			1433	0.89
	280.0	45	1.2	10			1577	0.88
	186.7	65	0.9	15			1805	0.85
	186.7	68	1.9	7.5	CMRV 063	90L4	2359	0.89
	140.0	89	1.5	10			2597	0.87
	93.3	127	1.1	15			2973	0.83
	70.0	166	0.8	20			3272	0.81
	373.3	35	2.7	7.5	CMRV 063	90S2	1873	0.91
	280.0	46	2.1	10			2061	0.90
	186.7	66	1.6	15			2359	0.86
	140.0	86	1.2	20			2597	0.84
	112.0	105	0.9	25			2797	0.82
	93.3	120	1.0	30			2973	0.78
	120.0	105	2.0	7.5	CMRV 075	100LA6	3227	0.88
	90.0	137	1.7	10			3551	0.86
	60.0	196	1.2	15			4065	0.82
	140.0	90	2.2	10	CMRV 075	90L4	3065	0.88
	93.3	130	1.5	15			3509	0.85

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
1.5	70.0	168	1.3	20	CMRV 075	90L4	3862	0.82
	56.0	205	1.0	25			4160	0.80
	46.7	233	1.0	30			4421	0.76
	280.0	46	3.1	10	CMRV 075	90S2	2433	0.90
	186.7	67	2.2	15			2785	0.87
	140.0	87	1.8	20			3065	0.85
	112.0	106	1.4	25			3302	0.83
	93.3	123	1.4	30			3509	0.80
	70.0	158	1.0	40			3862	0.77
	56.0	189	0.8	50			4160	0.74
	46.7	218	0.7	60			4421	0.71
	90.0	138	2.7	10	CMRV 090	100LA6	3929	0.87
	60.0	201	2.1	15			4498	0.84
	45.0	258	1.5	20			4951	0.81
	36.0	314	1.2	25			5333	0.79
	30.0	358	1.3	30			5667	0.75
	70.0	172	2.1	20	CMRV 090	90L4	4273	0.84
	56.0	210	1.6	25			4603	0.82
	46.7	239	1.7	30			4891	0.78
	35.0	307	1.2	40			5383	0.75
	28.0	**368**	**0.9**	**50**			**5799**	**0.72**
	23.3	424	0.8	60			6163	0.69
	56.0	194	1.4	50	CMRV 090	90S2	4603	0.76
	46.7	227	1.1	60			4891	0.74
	45.0	264	2.7	20	CMRV 110	100LA6	6256	0.83
	36.0	322	2.4	25			6739	0.81
	30.0	363	2.3	30			7161	0.76
	22.5	471	1.7	40			7882	0.74
	18.0	565	1.3	50			8491	0.71
	15.0	649	1.1	60			9023	0.68
	35.0	319	2.2	40	CMRV 110	90L4	6803	0.78
	28.0	384	1.7	50			7328	0.75
	23.3	442	1.4	60			7787	0.72
	17.5	548	0.9	80			8571	0.67
	46.7	236	2.0	60	CMRV 110	90S2	6181	0.77
	35.0	299	1.3	80			6803	0.73
	28.0	353	1.0	100			7328	0.69
	19.3	535	1.9	73	PC90-CMRV 110	90L4	8298	0.72
	14.5	693	1.3	96.8			9133	0.70
	11.6	817	1.1	121			9838	0.66
	9.6	936	0.8	145.2			10320	0.63
	9.3	891	1.4	300	CMRV 050/110	90S2	10320	0.58
	7.0	1153	1.0	400			10320	0.56
	5.6	1373	0.8	500			10320	0.54
	22.5	478	2.3	40	CMRV 130	100LA6	10309	0.75
	18.0	573	1.8	50			11105	0.72
	15.0	659	1.4	60			11801	0.69
	11.3	815	1.1	80			12989	0.64
	17.5	557	1.5	80	CMRV 130	90L4	11210	0.68
	14.0	655	1.1	100			12076	0.64

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
1.5	19.3	542	2.6	73	PC90-CMRV 130	90L4	10853	0.73
	14.5	693	1.9	96.8			11945	0.70
	11.6	830	1.5	121			12868	0.67
	9.6	936	1.1	145.2			13500	0.63
	7.2	1149	0.8	194			13500	0.58
	9.3	915	1.9	300	CMRV 063/130	90S2	13500	0.59
	7.0	1166	1.4	400			13500	0.57
	5.6	1389	1.1	500			13500	0.54
	4.7	1789	1.0	300	CMRV 063/130	90L4	13500	0.59
	3.5	2279	0.7	400			13500	0.56
	9.3	1026	2.3	150	CMRV 063/150	90L4	18000	0.67
	7.0	1317	1.8	200			18000	0.64
	5.6	1602	1.3	250			18000	0.63
	4.7	1860	1.3	300			18000	0.61
	3.5	2208	1.2	400			18000	0.54
	2.8	2582	0.9	500			18000	0.50
	2.3	3057	0.9	600			18000	0.49
2.2	373.3	51	1.8	7.5	CMRV 063	90L2	1873	0.91
	280.0	67	1.5	10			2061	0.89
	186.7	97	1.1	15			2359	0.86
	186.7	100	1.8	7.5	CMRV 075	100LA4	2785	0.89
	140.0	132	1.5	10			3065	0.88
	93.3	191	1.0	15			3509	0.85
	373.3	51	2.5	7.5	CMRV 075	90L2	2210	0.91
	280.0	68	2.1	10			2433	0.91
	186.7	98	1.5	15			2785	0.87
	140.0	128	1.3	20			3065	0.85
	112.0	156	1.0	25			3302	0.83
	93.3	180	0.9	30			3509	0.80
	186.7	101	2.9	7.5	CMRV 090	100LA4	3081	0.90
	140.0	134	2.3	10			3391	0.89
	93.3	194	1.9	15			3882	0.86
	70.0	252	1.4	20			4273	0.84
	56.0	308	1.1	25			4603	0.82
	46.7	351	1.2	30			4891	0.78
	120.0	156	2.2	7.5	CMRV 090	112M6	3570	0.89
	90.0	203	1.8	10			3929	0.87
	60.0	294	1.4	15			4498	0.84
	45.0	378	1.0	20			4951	0.81
	140.0	131	2.0	20	CMRV 090	90L2	3391	0.87
	112.0	159	1.6	25			3653	0.85
	93.3	185	1.7	30			3882	0.82
	70.0	237	1.2	40			4273	0.79
	56.0	285	0.9	50			4603	0.76
	70.0	255	2.5	20	CMRV 110	100LA4	5399	0.85
	56.0	315	2.2	25			5816	0.84
	46.7	356	2.0	30			6181	0.79
	35.0	468	1.5	40			6803	0.78
	28.0	563	1.2	50			7328	0.75
	23.3	648	1.0	60			7787	0.72

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
2.2	90.0	205	3.5	10	CMRV 110	112M6	4965	0.88
	60.0	298	2.6	15			5684	0.85
	45.0	388	1.9	20			6256	0.83
	36.0	473	1.6	25			6739	0.81
	30.0	532	1.6	30			7161	0.76
	112.0	163	3.1	25	CMRV 110	90L2	4616	0.87
	93.3	187	3.0	30			4905	0.83
	70.0	246	2.1	40			5399	0.82
	56.0	296	1.7	50			5816	0.79
	46.7	347	1.4	60			6181	0.77
	38.6	398	2.1	73	PC90-CMRV 110	90L2	6586	0.73
	28.9	516	1.5	96.8			7249	0.71
	23.1	617	1.2	121			7809	0.68
	35.0	468	2.2	40	CMRV 130	100LA4	8897	0.78
	28.0	563	1.7	50			9584	0.75
	23.3	648	1.4	60			10185	0.72
	17.5	816	1.0	80			11210	0.68
	36.0	479	2.2	25	CMRV 130	112M6	8814	0.82
	30.0	546	2.1	30			9366	0.78
	22.5	**700**	**1.6**	**40**			**10309**	**0.75**
	18.0	840	1.2	50			11105	0.72
	15.0	966	1.0	60			11801	0.69
	35.0	438	1.3	80	CMRV 130	90L2	8897	0.73
	28.0	525	1.0	100			9584	0.70
	38.6	409	2.9	73	PC90-CMRV 130	90L2	8614	0.75
	28.9	545	2.0	96.8			9481	0.75
	23.1	654	1.6	121			10312	0.72
	19.3	752	1.3	145.2			10853	0.69
	28.0	570	2.5	50	CMRV 150	100LA4	13103	0.76
	23.3	657	1.9	60			13924	0.73
	17.5	816	1.4	80			15325	0.68
	14.0	960	1.0	100			16508	0.64
3	373.3	70	1.9	7.5	CMRV 075	100LA2	2210	0.91
	280.0	92	1.6	10			2433	0.90
	186.7	137	1.4	7.5	CMRV 075	100LB4	2785	0.89
	140.0	180	1.1	10			3065	0.88
	93.3	261	0.8	15			3509	0.85
	373.3	71	3.0	7.5	CMRV 090	100LA2	2446	0.93
	280.0	92	2.6	10			2692	0.90
	186.7	138	2.1	7.5	CMRV 090	100LB4	3081	0.90
	140.0	182	1.7	10			3391	0.89
	93.3	264	1.4	15			3882	0.86
	70.0	344	1.0	20			4273	0.84
	56.0	420	0.8	25			4603	0.82
	46.7	479	0.9	30			4891	0.78
	93.3	264	2.5	15	CMRV 110	100LB4	4905	0.86
	70.0	348	1.9	20			5399	0.85
	56.0	430	1.6	25			5816	0.84

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
3	46.7	485	1.5	30	CMRV 110	100LB4	6181	0.79
	35.0	638	1.1	40			6803	0.78
	28.0	767	0.9	50			7328	0.75
	120.0	212	3.1	7.5	CMRV 110	132S6	4511	0.89
	90.0	280	2.5	10			4965	0.88
	60.0	406	1.9	15			5684	0.85
	45.0	528	1.4	20			6256	0.83
	56.0	430	2.2	25	CMRV 130	100LB4	7607	0.84
	46.7	491	2.1	30			8084	0.80
	35.0	638	1.6	40			8897	0.78
	28.0	767	1.3	50			9584	0.75
	23.3	884	1.0	60			10185	0.72
	17.5	1113	0.8	80			11210	0.68
	90.0	280	3.4	10	CMRV 130	132S6	6494	0.88
	60.0	406	2.6	15			7434	0.85
	45.0	535	1.9	10			8182	0.84
	36.0	653	1.6	25			8814	0.82
	30.0	745	1.6	30			9366	0.78
	22.5	955	1.2	40			10309	0.75
	28.0	778	1.8	50	CMRV 150	100LB4	13103	0.76
	23.3	896	1.4	60			13924	0.73
	17.5	1113	1.0	80			15325	0.68
	14.0	1310	0.8	100			16508	0.64
4	373.3	93	1.4	7.5	CMRV 075	112M2	2210	0.91
	280.0	123	1.2	10			2433	0.90
	186.7	182	1.0	7.5	CMRV 075	112M4	2785	0.89
	140.0	240	0.8	10			3065	0.88
	373.3	94	2.2	7.5	CMRV 090	112M2	2446	0.92
	280.0	123	1.9	10			2692	0.90
	186.7	184	1.6	7.5	CMRV 090	112M4	3081	0.90
	140.0	243	1.3	10			3391	0.89
	93.3	352	1.0	15			3882	0.86
	70.0	458	0.8	20			4273	0.84
	140.0	243	2.5	10	CMRV 110	112M4	4285	0.89
	93.3	352	1.9	15			4905	0.86
	70.0	464	1.4	20			5399	0.85
	56.0	573	1.2	25			5816	0.84
	46.7	647	1.1	30			6181	0.79
	120.0	283	2.3	7.5	CMRV 110	132M6	4511	0.89
	90.0	374	1.9	10			4965	0.88
	60.0	541	1.4	15			5684	0.85
	56.0	573	1.6	25	CMRV 130	112M4	7607	0.84
	46.7	655	1.6	30			8084	0.80
	35.0	851	1.2	40			8897	0.78
	28.0	1023	1.0	50			9584	0.75
	23.3	1179	0.8	60			10185	0.72
	120.0	287	3.1	7.5	CMRV 130	132M6	5901	0.90
	90.0	374	2.6	10			6494	0.88

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
4	60.0	541	2.0	15	CMRV 130	132M6	7434	0.85
	45.0	713	1.5	20			8182	0.84
	36.0	870	1.2	25			8814	0.82
	28.0	1037	1.4	50	CMRV 150	112M4	13103	0.76
	23.3	1195	1.1	60			13924	0.73
	17.5	1484	0.8	80			15325	0.68
4.8	186.7	221	1.3	7.5	CMRV 090	112MS4	3081	0.90
	140.0	291	1.1	10			3391	0.89
	93.3	422	0.9	15			3882	0.86
	186.7	221	2.5	7.5	CMRV 110	112MS4	3893	0.90
	140.0	291	2.1	10			4285	0.89
	93.3	422	1.6	15			4905	0.86
	70.0	557	1.2	20			5399	0.85
	56.0	688	1.0	25			5816	0.84
	56.0	688	1.4	25	CMRV 130	112MS4	7607	0.84
	46.7	786	1.3	30			8084	0.80
	35.0	1022	1.0	40			8897	0.78
	28.0	1228	0.8	50			9584	0.75
	23.3	1434	0.9	60			13103	0.73
5.5	186.7	253	2.2	7.5	CMRV 110	132S4	3893	0.90
	140.0	334	1.8	10			4285	0.89
	93.3	484	1.4	15			4905	0.86
	70.0	638	1.0	20			5399	0.85
	140.0	334	2.5	10	CMRV 130	132S4	5605	0.89
	93.3	490	1.9	15			6416	0.87
	70.0	645	1.4	20			7062	0.86
	56.0	788	1.2	25			7607	0.84
	46.7	900	1.2	30			8084	0.80
	35.0	1171	0.9	40			8897	0.78
	70.0	645	2.0	20	CMRV 150	132S4	9654	0.86
	56.0	788	1.5	25			10400	0.84
	46.7	934	1.3	30			11051	0.83
	35.0	1171	1.3	40			12163	0.78
	28.0	1426	1.0	50			13103	0.76
	23.3	1643	0.8	60			13924	0.73
7.5	186.7	345	1.6	7.5	CMRV 110	132L4	3893	0.90
	140.0	455	1.3	10			4285	0.89
	93.3	660	1.0	15			4905	
	186.7	349	2.1	7.5	CMRV 130	132L4	5092	0.91
	140.0	455	1.8	10			5605	0.89
	93.3	668	1.4	15			6416	0.87
	70.0	880	1.0	20			7062	0.86
	56.0	1074	0.9	25			7607	0.84
	46.7	1228	0.8	30			8084	0.80
	35.0	1596	0.7	40			8897	0.78
	70.0	880	1.5	20	CMRV 150	132L4	9654	0.86
	56.0	1074	1.1	25			10400	0.84
	46.7	1274	0.9	30			11051	0.83
	35.0	1596	1.0	40			12163	0.78

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Technische Daten / Technical Data

P1 (kW)	n2 (1/min)	M2 (Nm)	f.s	i	Size		Fr2 (N)	η
9.2	186.7	424	1.3	7.5	CMRV 110	132M4	3893	0.90
	186.7	428	1.8	7.5	CMRV 130	132M4	5092	0.91
	140.0	559	1.5	10			5605	0.89
	93.3	819	1.1	15			6416	0.87
	70.0	1079	0.8	20			7062	0.86
	56.0	1318	0.7	25			7607	0.84
	70.0	1079	1.2	20	CMRV 150	132M4	9654	0.86
	56.0	1318	0.9	25			10400	0.84
	46.7	1563	0.8	30			11051	0.83
	35.0	1958	0.8	40			12163	0.78
11	186.7	512	2.3	7.5	CMRV 150	132M4	6962	0.91
	140.0	675	1.8	10			7663	0.90
	93.3	990	1.3	15			8771	0.88
	70.0	1291	1.0	20			9654	0.86
	56.0	1576	0.8	25			10400	0.84
15	186.7	698	1.7	7.5	CMRV 150	132L4	6962	0.91
	140.0	921	1.3	10			7663	0.90
	93.3	1351	0.9	15			8771	0.88
	70.0	1760	0.7	20			9654	0.86

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Technische Daten / Technical Data

n1= 2 polig / 2 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
12	5	0.79	560.0	CMRV030	474	115	0.89
13	7.5	0.58	373.3		542	125	0.88
13	10	0.45	280.0		597	140	0.85
13	15	0.31	186.7		683	140	0.82
12	20	0.23	140.0		752	146	0.76
16	25	0.25	112.0		810	210	0.75
15	30	0.21	93.3		861	210	0.70
14	40	0.16	70.0		948	127	0.64
13	50	0.12	56.0		1021	128	0.64
12	60	0.10	46.7		1085	126	0.59
11	80	0.08	35.0		1194	130	0.50
24	5	1.6	560.0	CMRV040	912	200	0.88
27	7.5	1.2	373.3		1044	233	0.88
29	10	1.0	280.0		1149	272	0.85
31	15	0.72	186.7		1315	291	0.84
29	20	0.52	140.0		1447	204	0.82
28	25	0.42	112.0		1559	236	0.78
34	30	0.44	93.3		1657	350	0.76
31	40	0.32	70.0		1824	350	0.71
30	50	0.26	56.0		1964	350	0.68
28	60	0.21	46.7		2087	350	0.65
		.	.				.
23	100	0.12	28.0		2475	350	0.56
45	5	2.9	560.0	CMRV050	1251	280	0.91
52	7.5	2.3	373.3		1433	324	0.88
54	10	1.8	280.0		1577	378	0.88
57	15	1.3	186.7		1805	399	0.86
53	20	0.95	140.0		1987	417	0.82
51	25	0.75	112.0		2140	482	0.80
64	30	0.82	93.3		2274	490	0.76
59	40	0.59	70.0		2503	490	0.73
53	50	0.45	56.0		2696	490	0.69
50	60	0.37	46.7		2865	490	0.66
45	80	0.27	35.0		3153	490	0.61
40	100	0.21	28.0		3397	490	0.56
93	7.5	4.0	373.3	CMRV063	1873	395	0.91
97	10	3.2	280.0		2061	463	0.89
103	15	2.3	186.7		2359	492	0.88
100	20	1.7	140.0		2597	538	0.86
92	25	1.3	112.0		2797	593	0.83
120	30	1.5	93.3		2973	700	0.78
108	40	1.1	70.0		3272	700	0.72
100	50	0.83	56.0		3524	700	0.71
95	60	0.68	46.7		3745	700	0.68
85	80	0.49	35.0		4122	700	0.64
74	100	0.37	28.0		4440	700	0.59
130	7.5	5.6	373.3	CMRV075	2210	560	0.91
145	10	4.7	280.0		2433	703	0.90
150	15	3.4	186.7		2785	727	0.86
160	20	2.8	140.0		3065	872	0.84
150	25	2.1	112.0		3302	980	0.84
170	30	2.1	93.3		3509	980	0.79
165	40	1.6	70.0		3862	980	0.76
150	50	1.2	56.0		4160	980	0.73

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

n1= 2 polig / 2 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
145	60	1.0	46.7	CMRV075	4421	980	0.71
130	80	0.72	35.0		4865	980	0.66
120	100	0.58	28.0		5241	980	0.61
210	7.5	8.9	373.3	CMRV090	2446	715	0.92
235	10	7.7	280.0		2692	900	0.89
270	15	6.0	186.7		3081	1034	0.88
260	20	4.4	140.0		3391	1120	0.87
250	25	3.4	112.0		3653	1270	0.86
310	30	3.7	93.3		3882	1270	0.82
275	40	2.6	70.0		4273	1270	0.78
265	50	2.0	56.0		4603	1270	0.78
245	60	1.6	46.7		4891	1270	0.75
225	80	1.2	35.0		5383	1270	0.69
200	100	0.9	28.0		5799	1270	0.65
391	7.5	16.6	373.3	CMRV110	3090	950	0.92
437	10	14.1	280.0		3401	1194	0.91
489	15	10.7	186.7		3893	1337	0.89
483	20	8.0	140.0		4285	1485	0.89
506	25	6.8	112.0		4616	1700	0.87
552	30	6.5	93.3		4905	1700	0.83
		.	.				.
495	50	3.7	56.0		5816	1700	0.78
473	60	3.0	46.7		6181	1700	0.77
399	80	2.0	35.0		6803	1700	0.73
368	100	1.6	28.0		7328	1700	0.67
520	7.5	22.1	373.3	CMRV130	4042	1190	0.92
580	10	18.7	280.0		4449	1493	0.91
670	15	14.7	186.7		5092	1725	0.89
660	20	11.0	140.0		5605	1912	0.88
670	25	9.0	112.0		6038	2100	0.87
770	30	9.0	93.3		6416	2100	0.84
730	40	6.5	70.0		7062	2100	0.82
700	50	5.1	56.0		7607	2100	0.80
640	60	4.0	46.7		8084	2100	0.78
590	80	3.0	35.0		8897	2100	0.72
520	100	2.2	28.0		9584	2100	0.69
840	7.5	35.7	373.3	CMRV150	5526	1550	0.92
885	10	28.4	280.0		6082	1848	0.91
910	15	19.8	186.7		6962	1889	0.90
980	20	16.1	140.0		7663	2289	0.89
890	25	12.0	112.0		8254	2494	0.87
920	30	10.5	93.3		8771	2800	0.86
1200	40	10.6	70.0		9654	2800	0.83
1100	50	8.1	56.0		10400	2800	0.80
990	60	6.2	46.7		11051	2800	0.78
920	80	4.6	35.0		12163	2800	0.73
810	100	3.3	28.0		13103	2800	0.72

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

n1= 4 polig / 4 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
18	5	0.61	280.0	CMRV030	597	150	0.87
18	7.5	0.41	186.7		683	150	0.86
18	10	0.32	140.0		752	169	0.82
18	15	0.23	93.3		861	169	0.76
18	20	0.18	70.0		948	190	0.73
21	25	0.18	56.0		1021	210	0.68
20	30	0.15	46.7		1085	210	0.65
18	40	0.11	35.0		1194	210	0.60
17	50	0.09	28.0		1286	210	0.55
16	60	0.08	23.3		1367	210	0.49
13	80	0.05	17.5		1504	210	0.48
34	5	1.1	280.0	CMRV040	1149	250	0.91
40	7.5	0.90	186.7		1315	294	0.87
40	10	0.69	140.0		1447	331	0.85
40	15	0.48	93.3		1657	331	0.81
39	20	0.37	70.0		1824	350	0.77
38	25	0.30	56.0		1964	350	0.74
45	30	0.31	46.7		2087	350	0.71
41	40	0.23	35.0		2298	350	0.65
39	50	0.18	28.0		2475	350	0.64
36	60	0.15	23.3		2630	350	0.59
		.	.				.
29	100	0.09	14.0		3118	350	0.47
62	5	2.0	280.0	CMRV050	1577	350	0.91
71	7.5	1.6	186.7		1805	401	0.87
72	10	1.2	140.0		1987	490	0.88
74	15	0.88	93.3		2274	490	0.82
73	20	0.68	70.0		2503	490	0.79
70	25	0.54	56.0		2696	490	0.76
84	30	0.57	46.7		2865	490	0.72
76	40	0.42	35.0		3153	490	0.66
73	50	0.34	28.0		3397	490	0.63
68	60	0.28	23.3		3610	490	0.59
65	80	0.22	17.5		3973	490	0.54
55	100	0.16	14.0		4280	490	0.50
128	7.5	2.8	186.7	CMRV063	2359	500	0.89
130	10	2.2	140.0		2597	571	0.87
140	15	1.6	93.3		2973	615	0.86
135	20	1.2	70.0		3272	667	0.82
130	25	1.0	56.0		3524	700	0.76
160	30	1.1	46.7		3745	700	0.71
145	40	0.76	35.0		4122	700	0.70
135	50	0.60	28.0		4440	700	0.66
130	60	0.51	23.3		4719	700	0.62
122	80	0.39	17.5		5193	700	0.57
118	100	0.34	14.0		5595	700	0.51
185	7.5	4.1	186.7	CMRV075	2785	700	0.88
195	10	3.2	140.0		3065	830	0.89
200	15	2.3	93.3		3509	851	0.85
210	20	1.9	70.0		3862	980	0.81
200	25	1.5	56.0		4160	980	0.78
230	30	1.5	46.7		4421	980	0.75
220	40	1.1	35.0		4865	980	0.73
210	50	0.89	28.0		5241	980	0.69

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

n1= 4 polig / 4 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
200	60	0.75	23.3	CMRV075	5569	980	0.65
190	80	0.58	17.5		6130	980	0.60
180	100	0.48	14.0		6603	980	0.55
290	7.5	6.3	186.7	CMRV090	3081	900	0.90
310	10	5.1	140.0		3391	1082	0.89
360	15	4.1	93.3		3882	1257	0.86
355	20	3.1	70.0		4273	1270	0.84
340	25	2.4	56.0		4603	1270	0.83
410	30	2.6	46.7		4891	1270	0.77
360	40	1.8	35.0		5383	1270	0.73
340	50	1.4	28.0		5799	1270	0.71
320	60	1.1	23.3		6163	1270	0.71
285	80	0.83	17.5		6783	1270	0.63
270	100	0.67	14.0		7306	1270	0.59
552	7.5	12.0	186.7	CMRV110	3893	1200	0.90
598	10	9.8	140.0		4285	1463	0.89
656	15	7.5	93.3		4905	1604	0.85
644	20	5.6	70.0		5399	1700	0.84
679	25	4.7	56.0		5816	1700	0.85
725	30	4.5	46.7		6181	1700	0.79
		.	.				.
660	50	2.6	28.0		7328	1700	0.74
616	60	2.1	23.3		7787	1700	0.72
515	80	1.4	17.5		8571	1700	0.67
483	100	1.1	14.0		9232	1700	0.64
750	7.5	16.1	186.7	CMRV130	5092	1500	0.91
820	10	13.5	140.0		5605	1845	0.89
920	15	10.3	93.3		6416	2070	0.87
910	20	7.8	70.0		7062	2100	0.86
930	25	6.5	56.0		7607	2100	0.84
1040	30	6.4	46.7		8084	2100	0.79
1050	40	4.9	35.0		8897	2100	0.79
980	50	3.8	28.0		9584	2100	0.76
900	60	3.1	23.3		10185	2100	0.71
840	80	2.3	17.5		11210	2100	0.67
740	100	1.7	14.0		12076	2100	0.64
1200	7.5	25.8	186.7	CMRV150	6962	1950	0.91
1240	10	20.2	140.0		7663	2267	0.90
1250	15	13.9	93.3		8771	2285	0.88
1300	20	11.1	70.0		9654	2674	0.86
1200	25	8.4	56.0		10400	2800	0.84
1200	30	7.1	46.7		11051	2800	0.83
1550	40	7.3	35.0		12163	2800	0.78
1400	50	5.4	28.0		13103	2800	0.76
1260	60	4.2	23.3		13924	2800	0.73
1150	80	3.1	17.5		15325	2800	0.68
1000	100	2.3	14.0		16508	2800	0.64

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Technische Daten / Technical Data

n1= 6 polig / 6 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
20	5	0.44	180.0	CMRV030	692	175	0.86
20	7.5	0.30	120.0		792	175	0.84
20	10	0.24	90.0		871	197	0.79
20	15	0.17	60.0		997	197	0.74
20	20	0.13	45.0		1098	210	0.72
23	25	0.14	36.0		1183	210	0.62
21	30	0.11	30.0		1257	210	0.60
20	40	0.09	22.5		1383	210	0.52
18	50	0.07	18.0		1490	210	0.48
17	60	0.06	15.0		1583	210	0.45
15	80	0.04	11.3		1743	210	0.44
40	5	0.87	180.0	CMRV040	1331	290	0.87
44	7.5	0.65	120.0		1524	319	0.85
44	10	0.50	90.0		1677	350	0.83
45	15	0.36	60.0		1920	350	0.79
44	20	0.28	45.0		2113	350	0.74
43	25	0.23	36.0		2276	350	0.70
49	30	0.23	30.0		2419	350	0.67
45	40	0.17	22.5		2662	350	0.62
42	50	0.14	18.0		2868	350	0.57
39	60	0.11	15.0		3047	350	0.56
		.	.				.
32	100	0.07	9.0		3490	350	0.43
75	5	1.6	180.0	CMRV050	1827	400	0.88
84	7.5	1.2	120.0		2091	448	0.88
84	10	0.94	90.0		2302	490	0.84
84	15	0.67	60.0		2635	490	0.79
77	20	0.48	45.0		2900	490	0.76
75	25	0.39	36.0		3124	490	0.72
90	30	0.42	30.0		3320	490	0.67
82	40	0.31	22.5		3654	490	0.62
77	50	0.25	18.0		3936	490	0.58
72	60	0.21	15.0		4183	490	0.54
68	80	0.16	11.3		4604	490	0.50
56	100	0.12	9.0		4840	490	0.44
151	7.5	2.2	120.0	CMRV063	2734	580	0.86
153	10	1.7	90.0		3009	661	0.85
155	15	1.2	60.0		3444	670	0.81
148	20	0.91	45.0		3791	700	0.77
137	25	0.69	36.0		4084	700	0.75
175	30	0.79	30.0		4339	700	0.70
160	40	0.58	22.5		4776	700	0.65
145	50	0.45	18.0		5145	700	0.61
138	60	0.37	15.0		5467	700	0.59
128	80	0.29	11.3		6018	700	0.52
124	100	0.25	9.0		6270	700	0.47
215	7.5	3.1	120.0	CMRV075	3227	810	0.87
230	10	2.5	90.0		3551	975	0.87
235	15	1.8	60.0		4065	980	0.82
235	20	1.4	45.0		4474	980	0.79
215	25	1.1	36.0		4820	980	0.74
260	30	1.1	30.0		5122	980	0.74
240	40	0.83	22.5		5637	980	0.68
220	50	0.65	18.0		6073	980	0.64

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

n1= 6 polig / 6 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
210	60	0.54	15.0	CMRV075	6453	980	0.61
200	80	0.43	11.3		7103	980	0.55
190	100	0.36	9.0		7380	980	0.50
340	7.5	4.8	120.0	CMRV090	3570	1040	0.89
370	10	4.0	90.0		3929	1270	0.87
420	15	3.1	60.0		4498	1270	0.85
390	20	2.3	45.0		4951	1270	0.80
370	25	1.8	36.0		5333	1270	0.77
460	30	1.9	30.0		5667	1270	0.76
410	40	1.4	22.5		6238	1270	0.69
390	50	1.1	18.0		6719	1270	0.67
350	60	0.86	15.0		7140	1270	0.64
315	80	0.63	11.3		7859	1270	0.59
280	100	0.49	9.0		8180	1270	0.54
650	7.5	9.2	120.0	CMRV110	4511	1390	0.89
713	10	7.6	90.0		4965	1700	0.88
759	15	5.6	60.0		5684	1700	0.85
725	20	4.1	45.0		6256	1700	0.83
759	25	3.5	36.0		6739	1700	0.82
840	30	3.5	30.0		7161	1700	0.75
		.	.				.
748	50	2.0	18.0		8491	1700	0.70
682	60	1.6	15.0		9023	1700	0.67
567	80	1.1	11.3		9931	1700	0.61
515	100	0.84	9.0		10320	1700	0.58
880	7.5	12.3	120.0	CMRV130	5901	1740	0.90
960	10	10.3	90.0		6494	2100	0.88
1060	15	7.8	60.0		7434	2100	0.85
1040	20	5.8	45.0		8182	2100	0.84
1050	25	4.8	36.0		8814	2100	0.82
1170	30	4.7	30.0		9366	2100	0.78
1100	40	3.5	22.5		10309	2100	0.74
1050	50	2.7	18.0		11105	2100	0.73
940	60	2.1	15.0		11801	2100	0.70
860	80	1.6	11.3		12989	2100	0.63
780	100	1.2	9.0		13500	2100	0.61
1400	7.5	19.5	120.0	CMRV150	8067	2270	0.90
1480	10	15.7	90.0		8878	2700	0.89
1450	15	10.5	60.0		10163	2645	0.87
1500	20	8.4	45.0		11186	2800	0.84
1380	25	6.3	36.0		12050	2800	0.83
1400	30	5.4	30.0		12805	2800	0.81
1800	40	5.7	22.5		14094	2800	0.74
1600	50	4.1	18.0		15182	2800	0.74
1440	60	3.2	15.0		16133	2800	0.71
1300	80	2.4	11.3		17757	2800	0.64
1150	100	1.8	9.0		18000	2800	0.60

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Technische Daten / Technical Data

n1= 12 polig / 12 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
24	5	0. 30	100. 0	CMRV 030	841	210	0. 84
24	7. 5	0. 21	66. 7		963	210	0. 80
24	10	0. 16	50. 0		1060	210	0. 79
24	15	0. 12	33. 3		1213	210	0. 70
23	20	0. 09	25. 0		1336	210	0. 67
29	25	0. 10	20. 0		1439	210	0. 61
26	30	0. 08	16. 7		1529	210	0. 57
23	40	0. 06	12. 5		1683	210	0. 50
21	50	0. 05	10. 0		1813	210	0. 44
19	60	0. 04	8. 3		1830	210	0. 41
17	80	0. 03	6. 3		1830	210	0. 37
49	5	0. 60	100. 0	CMRV 040	1619	350	0. 86
54	7. 5	0. 45	66. 7		1853	350	0. 84
54	10	0. 35	50. 0		2040	350	0. 81
55	15	0. 26	33. 3		2335	350	0. 74
52	20	0. 19	25. 0		2570	350	0. 72
49	25	0. 15	20. 0		2769	350	0. 68
58	30	0. 16	16. 7		2942	350	0. 63
53	40	0. 12	12. 5		3238	350	0. 58
49	50	0. 10	10. 0		3488	350	0. 51
46	60	0. 08	8. 3		3490	350	0. 50
		.	.				.
36	100	0. 05	5. 0		3490	350	0. 38
92	5	1. 1	100. 0	CMRV 050	2222	490	0. 88
103	7. 5	0. 86	66. 7		2544	490	0. 84
103	10	0. 67	50. 0		2800	490	0. 80
103	15	0. 47	33. 3		3205	490	0. 76
93	20	0. 33	25. 0		3528	490	0. 74
91	25	0. 28	20. 0		3800	490	0. 68
108	30	0. 29	16. 7		4038	490	0. 65
98	40	0. 22	12. 5		4445	490	0. 58
91	50	0. 17	10. 0		4788	490	0. 56
83	60	0. 14	8. 3		4840	490	0. 52
75	80	0. 11	6. 3		4840	490	0. 45
65	100	0. 09	5. 0		4840	490	0. 38
184	7. 5	1. 5	66. 7	CMRV 063	3325	700	0. 86
185	10	1. 2	50. 0		3660	700	0. 81
187	15	0. 85	33. 3		4190	700	0. 77
178	20	0. 63	25. 0		4611	700	0. 74
164	25	0. 48	20. 0		4967	700	0. 72
200	30	0. 54	16. 7		5279	700	0. 65
185	40	0. 40	12. 5		5810	700	0. 61
173	50	0. 32	10. 0		6259	700	0. 57
160	60	0. 26	8. 3		6270	700	0. 54
137	80	0. 19	6. 3		6270	700	0. 47
128	100	0. 16	5. 0		6270	700	0. 42
260	7. 5	2. 1	66. 7	CMRV 075	3925	980	0. 86
270	10	1. 7	50. 0		4320	980	0. 83
280	15	1. 2	33. 3		4945	980	0. 81
285	20	0. 98	25. 0		5443	980	0. 76
255	25	0. 73	20. 0		5863	980	0. 73
300	30	0. 77	16. 7		6231	980	0. 68
280	40	0. 58	12. 5		6858	980	0. 63
250	50	0. 44	10. 0		7380	980	0. 59

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

n1= 12 polig / 12 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
240	60	0. 37	8. 3	CMRV 075	7380	980	0. 57
215	80	0. 29	6. 3		7380	980	0. 49
210	100	0. 24	5. 0		7380	980	0. 46
410	7. 5	3. 3	66. 7	CMRV 090	4343	1270	0. 87
435	10	2. 7	50. 0		4780	1270	0. 84
490	15	2. 1	33. 3		5472	1270	0. 81
470	20	1. 6	25. 0		6022	1270	0. 77
440	25	1. 2	20. 0		6487	1270	0. 77
550	30	1. 4	16. 7		6894	1270	0. 69
480	40	0. 95	12. 5		7588	1270	0. 66
450	50	0. 75	10. 0		8174	1270	0. 63
400	60	0. 59	8. 3		8180	1270	0. 59
365	80	0. 45	6. 3		8180	1270	0. 53
330	100	0. 35	5. 0		8180	1270	0. 49
794	7. 5	6. 4	66. 7	CMRV 110	5488	1700	0. 87
851	10	5. 2	50. 0		6040	1700	0. 86
909	15	3. 9	33. 3		6914	1700	0. 81
863	20	2. 8	25. 0		7610	1700	0. 81
909	25	2. 4	20. 0		8198	1700	0. 79
1000	30	2. 4	16. 7		8711	1700	0. 73
		.	.				.
880	50	1. 4	10. 0		10320	1700	0. 66
781	60	1. 1	8. 3		10320	1700	0. 62
662	80	0. 76	6. 3		10320	1700	0. 57
599	100	0. 59	5. 0		10320	1700	0. 53
1080	7. 5	8. 6	66. 7	CMRV 130	7178	2100	0. 88
1160	10	7. 1	50. 0		7900	2100	0. 86
1300	15	5. 5	33. 3		9043	2100	0. 83
1230	20	4. 0	25. 0		9953	2100	0. 80
1200	25	3. 2	20. 0		10722	2100	0. 79
1400	30	3. 3	16. 7		11394	2100	0. 74
1300	40	2. 4	12. 5		12540	2100	0. 71
1220	50	1. 9	10. 0		13500	2100	0. 67
1070	60	1. 5	8. 3		13500	2100	0. 62
970	80	1. 1	6. 3		13500	2100	0. 58
860	100	0. 85	5. 0		13500	2100	0. 53
1700	7. 5	13. 5	66. 7	CMRV 150	9812	2800	0. 88
1780	10	10. 7	50. 0		10800	2800	0. 87
1730	15	7. 2	33. 3		12363	2800	0. 84
1820	20	5. 9	25. 0		13607	2800	0. 81
1630	25	4. 3	20. 0		14658	2800	0. 79
1670	30	3. 8	16. 7		15576	2800	0. 77
2120	40	3. 9	12. 5		17144	2800	0. 71
1870	50	2. 9	10. 0		18000	2800	0. 68
1680	60	2. 3	8. 3		18000	2800	0. 64
1530	80	1. 7	6. 3		18000	2800	0. 59
1350	100	1. 3	5. 0		18000	2800	0. 54

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

Technische Daten / Technical Data

n1= 4 polig / 4 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
73	300	0. 08	4. 7	CMRV 030/040	3490	210	0. 45
65	400	0. 06	3. 5		3490	210	0. 40
61	500	0. 04	2. 8		3490	210	0. 45
73	600	0. 04	2. 3		3490	210	0. 45
73	750	0. 04	1. 9		3490	210	0. 36
73	900	0. 03	1. 6		3490	210	0. 40
65	1200	0. 02	1. 2		3490	210	0. 40
73	1500	0. 02	0. 93		3490	210	0. 36
73	1800	0. 02	0. 78		3490	210	0. 30
65	2400	0. 01	0. 58		3490	210	0. 40
65	3200	0. 01	0. 44		3490	210	0. 30
33	4000	0. 01	0. 35		3490	210	0. 12
29	5000	0. 01	0. 28		3490	210	0. 09
145	300	0. 15	4. 7	CMRV 030/050	4840	210	0. 47
124	400	0. 10	3. 5		4840	210	0. 45
120	500	0. 09	2. 8		4840	210	0. 39
145	600	0. 08	2. 3		4840	210	0. 44
145	750	0. 07	1. 9		4840	210	0. 40
145	900	0. 06	1. 6		4840	210	0. 39
124	1200	0. 04	1. 2		4840	210	0. 38
145	1500	0. 04	0. 93		4840	210	0. 35
		.	.				.
124	2400	0. 03	0. 58		4840	210	0. 25
120	3000	0. 02	0. 47		4840	210	0. 29
82	4000	0. 02	0. 35		4840	210	0. 15
82	4800	0. 02	0. 29		4840	210	0. 13
230	300	0. 24	4. 7	CMRV 030/063	6270	210	0. 47
230	400	0. 19	3. 5		6270	210	0. 44
216	500	0. 15	2. 8		6270	210	0. 42
230	600	0. 13	2. 3		6270	210	0. 43
216	750	0. 11	1. 9		6270	210	0. 38
198	900	0. 09	1. 6		6270	210	0. 36
230	1200	0. 08	1. 2		6270	210	0. 35
216	1500	0. 06	0. 93		6270	210	0. 35
198	1800	0. 05	0. 78		6270	210	0. 32
230	2400	0. 05	0. 58		6270	210	0. 28
216	3000	0. 04	0. 47		6270	210	0. 26
172	4000	0. 03	0. 35		6270	210	0. 21
150	5000	0. 02	0. 28		6270	210	0. 22
390	300	0. 36	4. 7	CMRV 040/075	7380	350	0. 53
360	400	0. 27	3. 5		7380	350	0. 49
320	500	0. 21	2. 8		7380	350	0. 45
390	600	0. 19	2. 3		7380	350	0. 50
390	750	0. 16	1. 9		7380	350	0. 48
390	900	0. 14	1. 6		7380	350	0. 45
360	1200	0. 11	1. 2		7380	350	0. 40
390	1500	0. 10	0. 93		7380	350	0. 38
390	1800	0. 09	0. 78		7380	350	0. 35
360	2400	0. 07	0. 58		7380	350	0. 31
320	3000	0. 05	0. 47		7380	350	0. 31
250	4000	0. 04	0. 35		7380	350	0. 23
250	5000	0. 03	0. 28		7380	350	0. 24
610	300	0. 56	4. 7	CMRV 040/090	8180	350	0. 53
610	400	0. 43	3. 5		8180	350	0. 52

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

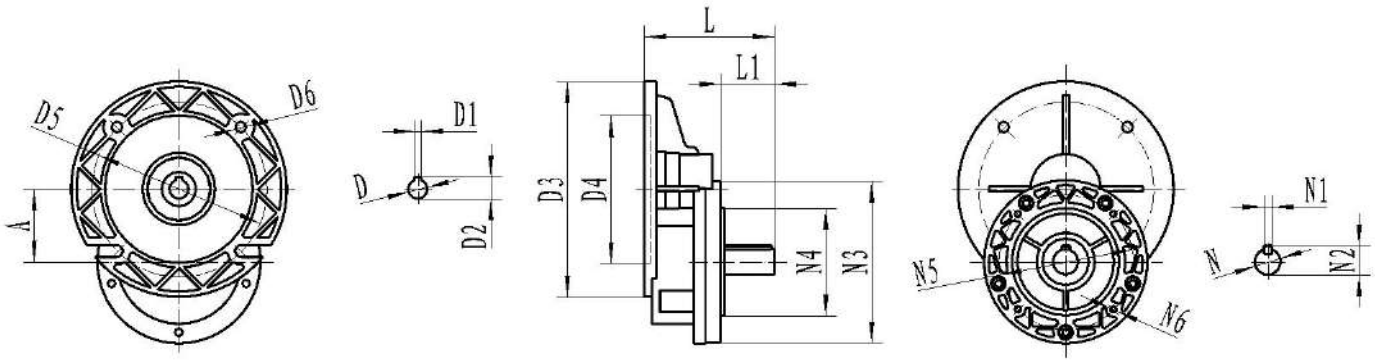
Technische Daten / Technical Data

n1= 4 polig / 4 pole

M2 (Nm)	i	P1 (kW)	n2 (1/min)	Size	Fr2 (N)	Fr1 (N)	η
560	500	0. 34	2. 8	CMRV 040/090	8180	350	0. 48
610	600	0. 30	2. 3		8180	350	0. 50
560	750	0. 23	1. 9		8180	350	0. 48
505	900	0. 19	1. 6		8180	350	0. 43
610	1200	0. 17	1. 2		8180	350	0. 44
560	1500	0. 14	0. 93		8180	350	0. 39
505	1800	0. 11	0. 78		8180	350	0. 37
610	2400	0. 11	0. 58		8180	350	0. 34
560	3000	0. 08	0. 47		8180	350	0. 34
460	4000	0. 08	0. 35		8180	350	0. 21
410	5000	0. 06	0. 28		8180	350	0. 20
1265	300	1. 1	4. 7	CMRV 050/110	10320	490	0. 56
1185	400	0. 79	3. 5		10320	490	0. 55
1100	500	0. 61	2. 8		10320	490	0. 53
1185	600	0. 55	2. 3		10320	490	0. 53
1265	750	0. 49	1. 9		10320	490	0. 50
1265	900	0. 43	1. 6		10320	490	0. 48
1185	1200	0. 31	1. 2		10320	490	0. 47
1265	1500	0. 30	0. 93		10320	490	0. 41
1265	1800	0. 26	0. 78		10320	490	0. 40
1185	2400	0. 19	0. 58		10320	490	0. 38
		.	.				.
819	4000	0. 13	0. 35		10320	490	0. 23
746	5000	0. 10	0. 28		10320	490	0. 22
1760	300	1. 5	4. 7	CMRV 063/130	13500	700	0. 57
1650	400	1. 1	3. 5		13500	700	0. 55
1550	500	0. 86	2. 8		13500	700	0. 53
1650	600	0. 76	2. 3		13500	700	0. 53
1760	750	0. 66	1. 9		13500	700	0. 52
1760	900	0. 58	1. 6		13500	700	0. 49
1650	1200	0. 43	1. 2		13500	700	0. 47
1760	1500	0. 39	0. 93		13500	700	0. 44
1760	1800	0. 35	0. 78		13500	700	0. 41
1650	2400	0. 25	0. 58		13500	700	0. 40
1550	3000	0. 20	0. 47		13500	700	0. 38
1220	4000	0. 15	0. 35		13500	700	0. 30
1100	5000	0. 11	0. 28		13500	700	0. 29
2340	150	3. 4	9. 3	CMRV 063/150	18000	700	0. 67
2340	200	2. 7	7. 0		18000	700	0. 64
2050	250	1. 9	5. 6		18000	700	0. 63
2340	400	1. 9	3. 5		18000	700	0. 45
2670	500	1. 8	2. 8		18000	700	0. 43
2330	600	1. 4	2. 3		18000	700	0. 41
2670	750	1. 3	1. 9		18000	700	0. 40
2330	900	0. 98	1. 6		18000	700	0. 39
2100	1200	0. 71	1. 2		18000	700	0. 36
2670	1500	0. 75	0. 93		18000	700	0. 35
2100	1800	0. 44	0. 78		18000	700	0. 39
2670	2400	0. 46	0. 58		18000	700	0. 35
2330	3000	0. 34	0. 47		18000	700	0. 33
1880	4000	0. 23	0. 35		18000	700	0. 30
1650	5000	0. 18	0. 28		18000	700	0. 27

*Erklärung der technischen Bezeichnung Seite 3 / Explanation of the technical designation Page 3

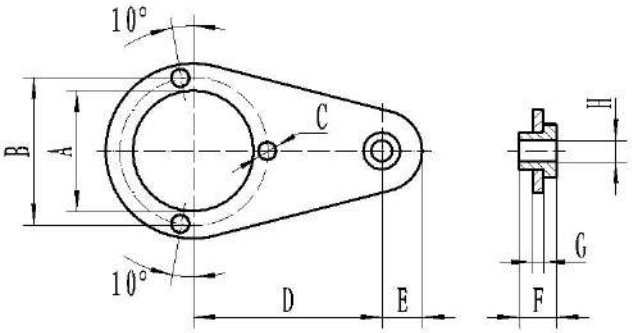
Abmessungen der Vorstufe des Schneckengetriebes / Pre-stage helical moudule dimensions



	PC63	PC71	PC80	PC90	PC56 C(Inch)
A	43	54	66	66	2.126
D	11	14	19	24	0.625
D1	4	5	6	8	0.1875
D2	12.8	16.3	21.8	27.3	0.709
D3	140	160	200	200	6.5
D4	95	110	130	130	4.5
D5	115	130	165	165	5.875
D6	8.5	8.5	11	11	0.415
N	14	19	28	28	0.748
N1	5	6	8	8	0.236
N2	16	21.5	31	31	0.846
N3	105	120	160	160	4.724
N4	70	80	110	110	3.150
N5	85	100	130	130	3.937
N6	M 5	M6	M8	M8	M6
L	77	80	134	134	5.787
L1	30	40	60	60	1.575

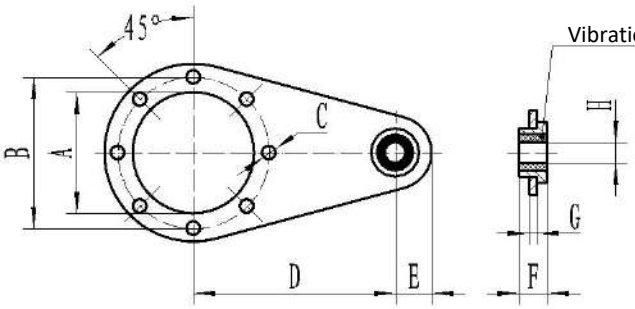
Abmessungen Drehmomentstütze / Torque arm dimensions

FCN 25



Without vibration-dampening bushing

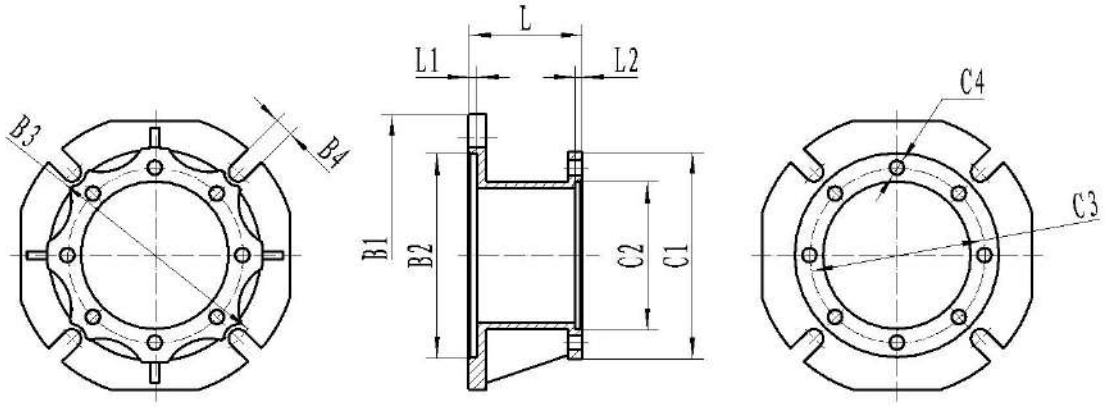
FCN 030 ÷ 150



Vibrationsdämpfungsbuchse

CMRV-	A	B	C	D	E	F	G	H
025	45	55	7	70	15	14	4	8
030	55	65	7	85	15	14	4	8
040	60	75	7	100	18	14	4	10
050	70	85	9	100	18	14	4	10
063	80	95	9	150	20	14	6	10
075	95	115	9	200	30	25	6	20
090	110	130	11	200	30	25	6	20
110	130	165	11	250	35	30	6	25
130	180	215	13	250	35	30	6	25
150	180	215	13	250	35	30	6	25

Abmessungen Ausgangsflansch / Output flange dimensions



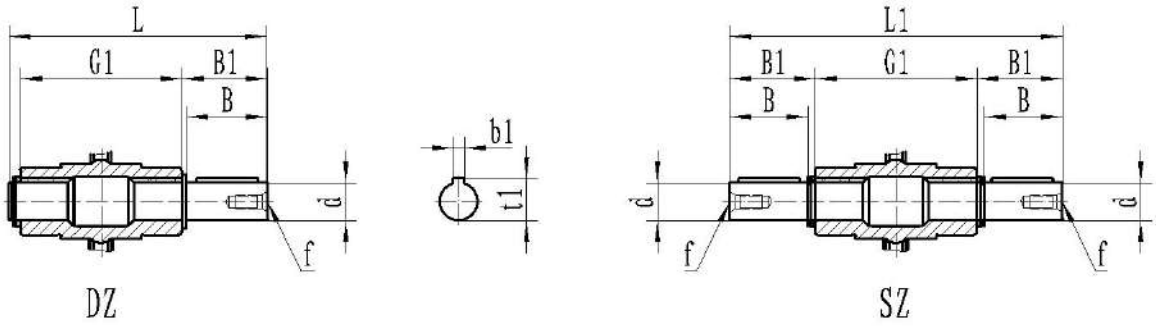
FA											
	B1	B2	B3	B4	L	L1	L2	C1	C2	C3	C4
025	75	40	55	4-ϕ6.5	22.5	3	3	70	45	55	3-M6
030	80	50	68	4-ϕ6.5	25.5	4	3	75	55	65	4-ϕ7
040	110	60	75	4-ϕ9	30.5	4	3.5	87	60	75	4-ϕ7
050	125	70	85	4-ϕ11	46.5	5	4	100	70	85	4-ϕ9
063	180	115	150	4-ϕ11	29	6	-	110	80	95	8-ϕ9
075	200	130	165	4-ϕ14	54	6	-	140	95	115	8-ϕ9
090	210	152	175	4-ϕ14	44	6	-	160	110	130	8-ϕ11
110	280	170	230	8-ϕ14	57	6	-	200	130	165	8-ϕ11
130	320	180	255	8-ϕ16	59	6	5	250	160	215	8-ϕ14
150	320	180	255	8-ϕ16	59	6	5	250	160	215	8-ϕ14

FB											
	B1	B2	B3	B4	L	L1	L2	C1	C2	C3	C4
040	110	60	75	4-ϕ9	60.5	4	3.5	87	60	75	4-ϕ7
050	125	70	85	4-ϕ11	76.5	5	4	100	70	85	4-ϕ9
063	180	115	150	4-ϕ11	59	6	-	110	80	95	8-ϕ9
075	160	110	130	4-ϕ11	33	6	-	140	95	115	4-ϕ9
090	250	180	215	4-ϕ14	55	6	-	160	110	130	8-ϕ11
110	280	170	230	8-ϕ14	106	6	-	200	130	165	8-ϕ11

FC											
	B1	B2	B3	B4	L	L1	L2	C1	C2	C3	C4
040	140	95	115	4-ϕ9.5	43.5	5	-	87	60	75	4-ϕ7
050	160	110	130	4-ϕ11	45.5	5	-	100	70	85	4-ϕ9
063	200	130	165	4-ϕ11	45	5	-	110	80	95	8-ϕ9
090	200	130	165	4-ϕ11	43	6	-	160	110	130	8-ϕ11

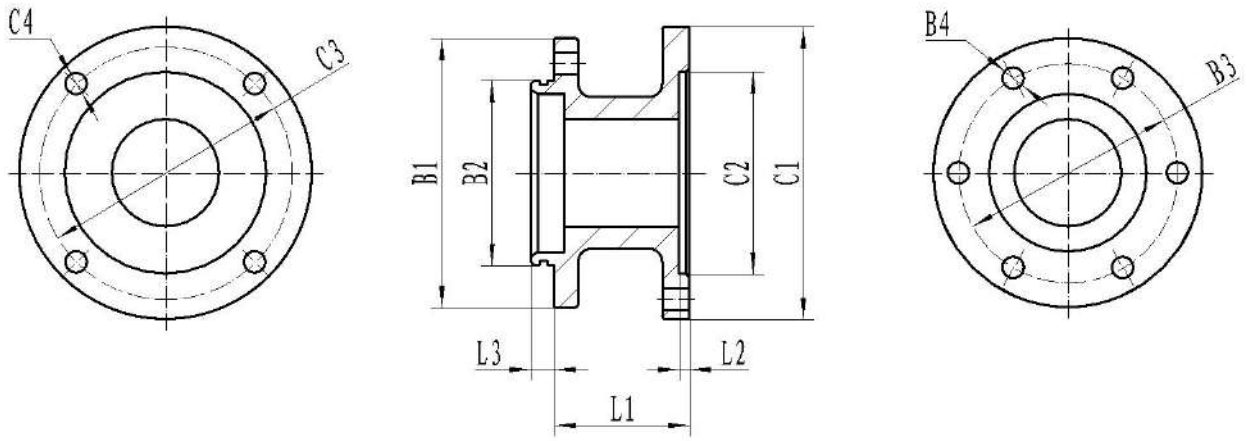
FD											
	B1	B2	B3	B4	L	L1	L2	C1	C2	C3	C4
040	120	80	100	4-ϕ9	22	5	-	87	60	75	4-ϕ7
050	140	95	115	4-ϕ11	28.5	5	-	100	70	85	4-ϕ9
063	200	130	165	4-ϕ11	54	5	-	110	80	95	8-ϕ9
090	210	152	175	4-ϕ14	84	6	-	160	110	130	8-ϕ11

Ausgangswellen / Output shafts



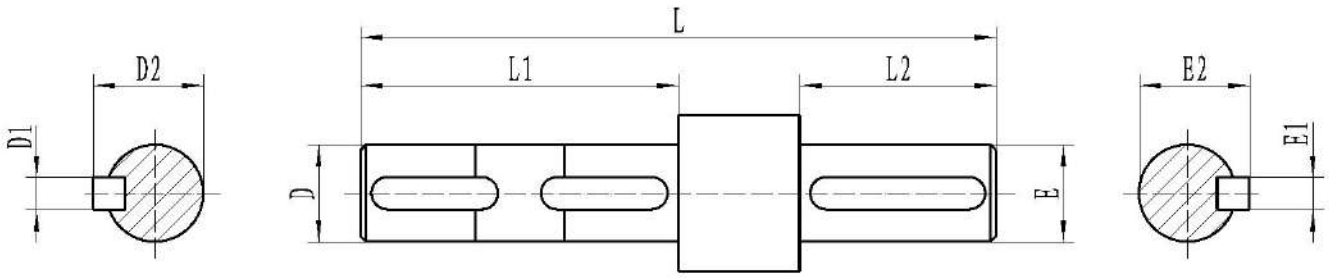
CMRV	d	B	B1	G1	L	L1	f	b 1	t 1
025	11	23	25.5	50	81	101	-	4	12.5
030	14	30	32.5	63	102	128	M6	5	16
040	18	40	43	78	128	164	M6	6	20.5
050	25	50	53.5	92	153	199	M10	8	28
063	25	50	53.5	112	173	219	M10	8	28
075	28	60	63.5	120	192	247	M10	8	31
090	35	80	84.5	140	234	309	M12	10	38
110	42	80	84.5	155	249	324	M16	12	45
130	45	80	85	170	265	340	M16	14	48.5
150	50	82	87	200	297	374	M16	14	53.5

Doppel -Schneckengetriebe Verbindungsflansch / Double worm gearbox Connecting flange

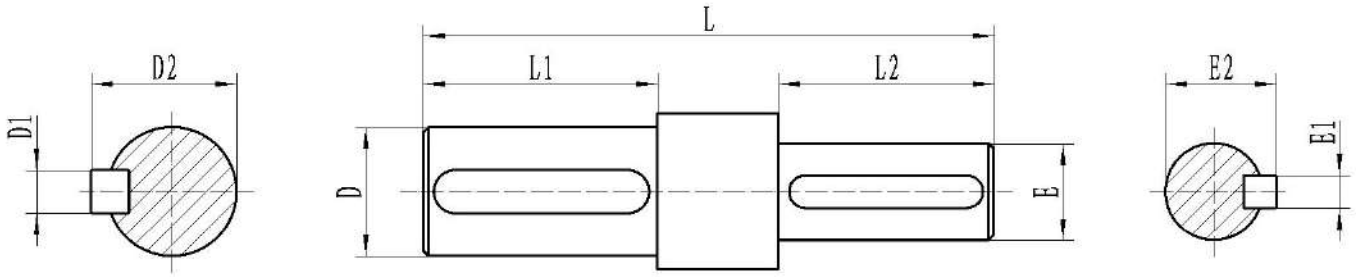


	B1	B2	B3	B4	L1	L2	L3	C1	C2	C3	C4
025/ 030	58	37	45	4-ϕ5.5	36.5	3	6	70	45	55	3-ϕ7
025/ 040	75	47	57	6-ϕ6.8	41.5	3	6.8	70	45	55	3-ϕ7
030/ 040	75	47	57	6-ϕ6.8	40	3.5	6.8	75	55	65	4-ϕ6.8
030/ 050	80	55	65	6-ϕ6.8	40	3.5	7	75	55	65	4-ϕ6.8
030/ 063	89	62	75	6-ϕ9	42	3.5	7	75	55	65	4-ϕ7
040/ 075	96	68	82	6-ϕ9	41	3.5	7	87	60	75	4-ϕ7
040/ 090	96	68	82	6-ϕ9	41	3.5	7	87	60	75	4-ϕ7
050/ 110	115	80	95	6-ϕ9	56.5	3.5	7	100	70	85	4-ϕ9
063/ 130	115	80	95	6-ϕ9	47	4	7	110	80	95	8-ϕ9
063/ 150	155	110	130	6-ϕ13	52	4	10	110	80	95	8-ϕ9

Verbindungswelle Doppel-Schneckengetriebe / Connecting shaft double worm gear



	D	D1	D2	L	L 1	L 2	E	E1	E2
040/ 075	18	6	20. 5	145	70	52. 5	28	8	31
040/ 090	18	6	20. 5	145	70	52. 5	28	8	31
050/ 110	25	8	28	182. 5	89	63	38	10	41
063/ 150	25	8	28	193	105	70	38	10	41
				213		90	42	12	45



	D	D1	D2	L	L1	L 2	E	E1	E2
025/ 030	11	4	12. 5	71. 5	32	16	9	3	10. 2
				73. 5		18	11	4	12. 5
025/ 040	11	4	12. 5	75. 5	32	18	11	4	12. 5
				82		25	14	5	16
030/ 040	14	5	16	84. 5	35. 5	25	14	5	16
030/ 050	14	5	16	76. 5	35. 5	18	11	4	12. 5
				82. 5		24	14	5	16
				92. 5		34	19	6	21. 5
030/ 063	14	5	16	86. 5	35. 5	24	14	5	16
				96. 5		34	19	6	21. 5
				98		35. 5	24	8	27
040/ 075	18	6	20. 5	96	40	33. 5	19	6	21. 5
	18		20. 5	106		43. 5	24	8	27
	19		21. 5	96		33. 5	19	6	21. 5
040/ 090	18	6	20. 5	96	40	33. 5	19	6	21. 5
	18		20. 5	106		43. 5	24	8	27
	19		21. 5	96		33. 5	19	6	21. 5
050/ 110	25	8	28	124	53. 5	40	24	8	27
				134		50	28	8	31
063/ 130	25	8	28	117	57. 5	38	24	8	27
				127		48	28	8	31
				147		68	38	10	41
063/ 150	25	8	28	118	50	50	28	8	31

Schmierung / Lubrication

Vorgegebene Schmiermittel / Manufacturer's recommended lubricants

	CMRV 110 ÷ 150	CMRV 025 ÷ 090 PC63 ÷ 90
Schmiermittel/Lubricant	Mineral oil	Synthetic oil
Umgebungstemperatur°C – ISO VG	(-5) ÷ (+40) ISO VG460	(-25) ÷ (+50) ISO VG320
AGIP	BLASIA 460	TELIUM VSF320
SHELL	OMALA OIL460	TIVELA OIL S320
ESSO	SPARTAN EP460	S220
MOBIL	MOBIL SHC634	MOBIL SHC632
CASTROL	ALPHA MAX 460	ALPHASYN PG320
BP	ENERGOL GR-XP460	ENERGOL SG-XP320

Ölmenge / Oil capacities

CMRV	025	030	040	050	063	075	090	110	130	150
B3/M1	0.02	0.04	0.08	0.15	0.3	0.55	1	3	4.5	7
B8/M3								2.2	3.3	5.1
B6 B7 M5 M6								2.5	3.5	5.4
V5/M4								3	4.5	7
V6/M2								2.2	3.3	5.1

PC	063	071	080	090
B3 B8 M1 M3	0.05	0.07	0.15	0.16
B6 B7 M5 M6				
V5 V6 M4 M2				

Nutzungsbedingungen / Usage specifications

1. Vergewissern Sie sich, dass das Getriebe auf einer ebenen und unnachgiebigen Oberfläche steht und keinen Vibrationen ausgesetzt ist, es ist ratsam, die Schraubenköpfe mit Unterlegscheiben zu fixieren.
2. Sorgen Sie bei Außenanwendungen für einen geeigneten Schutz gegen die Atmosphäre und direkten Niederschlag. Bei Anwendungen in feuchten Umgebungen sind geeignete Schutzvorrichtungen an den bearbeiteten Oberflächen des Getriebes vorzusehen.
3. Versuchen Sie bei der Montage von Ritzeln, Kupplungen oder Riemenscheiben auf die Abtriebswellen, Stöße zu vermeiden, indem Sie die entsprechenden Abziehvorrichtungen verwenden.
4. Wenn das Schneckengetriebe bis zu 150 Stunden arbeitet, sollte das Schmiermittel ausgetauscht werden. Danach beträgt der Zyklus des Ölwechsels etwa 4000 Stunden.
5. Vermeiden Sie das Mischen von synthetischen und mineralischen Schmierstoffen.

1. Make sure that the gear unit is placed on a flat and unyielding surface and is not exposed to vibrations, it is advisable to fix the screw heads with washers.
2. For outdoor applications, provide suitable protection against the atmosphere and direct precipitation. For applications in humid environments, provide suitable protection on the machined surfaces of the gearbox.
3. When mounting pinions, couplings or pulleys on the output shafts, try to avoid shocks by using the appropriate extractors.
4. When the worm gearbox works up to 150 hours, the lubricant should be changed. After that, the cycle of oil change is about 4000 hours.
5. Avoid mixing synthetic and mineral lubricants.