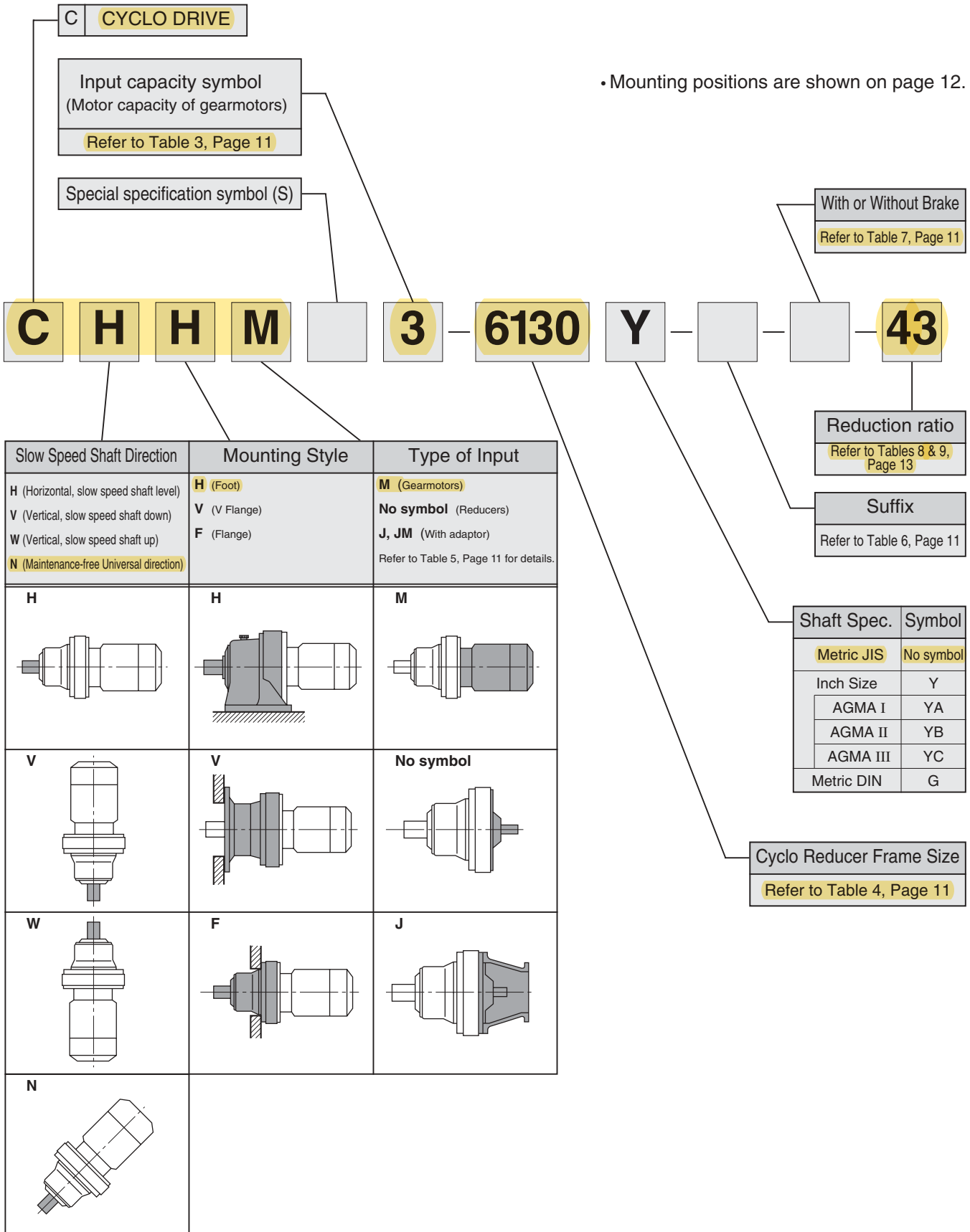


NOMENCLATURE



Note: N - Universal Mounting Maintenance-free is for Frame Size up to 6125 (Single stage), 6125DB (Double stage)

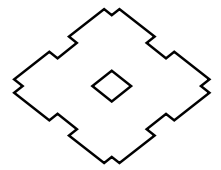


Table 3 Input Capacity Symbol (Motor Capacity of Gearmotors)

4P	Capacity symbol	01	02	03	05	08	1	1H	2	3	4	5
	HP (kW)	1/8 (0.1)	1/4 (0.2)	1/3 (0.25)	1/2 (0.4)	3/4 (0.55)	1 (0.75)	1.5 (1.1)	2 (1.5)	3 (2.2)	4 (3.0)	5 (3.7)
	Capacity Symbol	8	10	15	20	25	30	40	50	60	75	100
	HP (kW)	7.5 (5.5)	10 (7.5)	15 (11)	20 (15)	25 (18.5)	30 (22)	40 (30)	50 (37)	60 (45)	75 (55)	100 (75)

6P	Capacity symbol	206	256	306	406	506	606	756	1006	1256	1506	1756
	HP (kW)	20 (15)	25 (18.5)	30 (22)	40 (30)	50 (37)	60 (45)	75 (55)	100 (75)	125 (90)	150 (110)	175 (132)

Table 4 Cyclo Reducer Frame Size

Single Reduction	Single Reduction	Double Reduction	(Output side + Input side)	Double Reduction	(Output side + Input side)	Double Reduction	(Output side + Input side)
6060	6145	6060DA	6060 + 6060	6145DA	6145 + 6075	6190DA	6190 + 6125
6065	614H	6065DA	6065 + 6065	6145DB	6145 + 6095	6190DB	6190 + 6135
6070	6160	6070DA	6070 + 6065	6145DC	6145 + 6105	6195DA	6195 + 6125
6075	6165	6075DA	6075 + 6065	6160DA	6160 + 6095	6195DB	6195 + 6135
6080	616H	6090DA	6090 + 6075	6160DB	6160 + 6105	6205DA	6205 + 6125
6085	6170	6095DA	6095 + 6075	6160DC	6160 + 6125	6205DB	6205 + 6135
6090	6175	6100DA	6100 + 6075	6165DA	6165 + 6095	6215DA	6215 + 6135
6095	6180	6105DA	6105 + 6075	6165DB	6165 + 6105	6215DB	6215 + 6165
6100	6185	6120DA	6120 + 6075	6165DC	6165 + 6125	6225DA	6225 + 6135
6105	6190	6120DB	6120 + 6095	6170DA	6170 + 6095	6225DB	6225 + 6175
610H	6195	6125DA	6125 + 6075	6170DB	6170 + 6105	6235DA	6235 + 6165
6110	6205	6125DB	6125 + 6095	6170DC	6170 + 6125	6235DB	6235 + 6185
6115	6215	6130DA	6130 + 6075	6175DA	6175 + 6095	6245DA	6245 + 6165
6120	6225	6130DB	6130 + 6095	6175DB	6175 + 6105	6245DB	6245 + 6185
6125	6235	6130DC	6130 + 6105	6175DC	6175 + 6125	6255DA	6255 + 6175
612H	6245	6135DA	6135 + 6075	6180DA	6180 + 6105	6255DB	6255 + 6195
6130	6255	6135DB	6135 + 6095	6180DB	6180 + 6135	6265DA	6265 + 6195
6135	6265	6135DC	6135 + 6105	6185DA	6185 + 6105	6275DA	6275 + 6195
6140	6275	6140DA	6140 + 6075	6185DB	6185 + 6135		
		6140DB	6140 + 6095				
		6140DC	6140 + 6105				

H type is option.

Table 5 Type of Motor Connection

Type of Motor Connection	Without Motor	With Motor
Integral Motor		M
Free Shaft	-	
W/C-Face Adaptor	J	JM
W/Quill I/P Adaptor	X	XM
Beier	B	BM
With Clutch Brake		CM
With Fluid Coupling		RM

Table 6 Suffix Designation

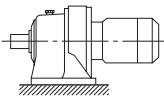
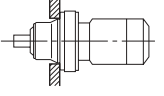
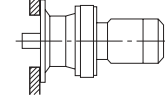
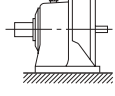

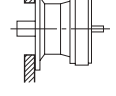
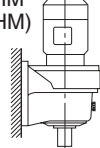
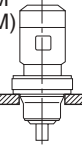
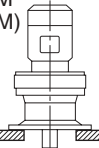
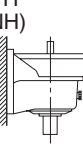
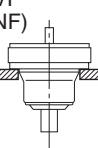
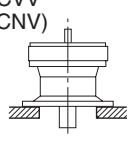
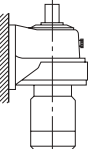
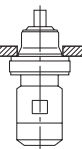
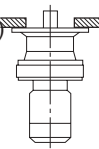
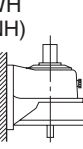
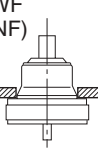
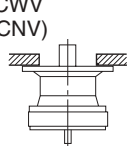
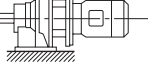
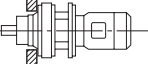
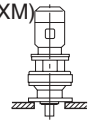
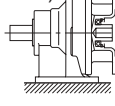
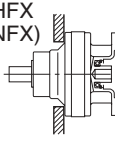
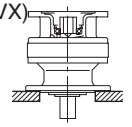
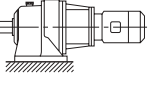
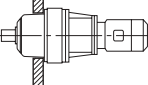
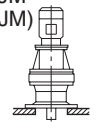
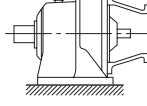
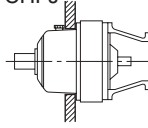
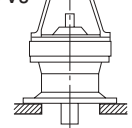
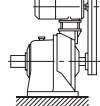
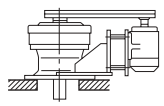
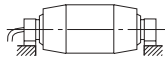
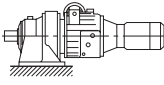
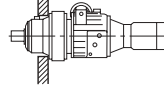
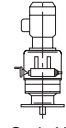
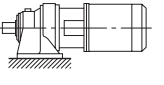
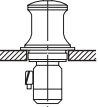
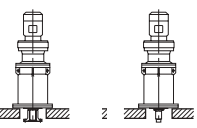
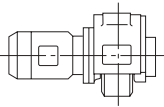
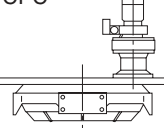
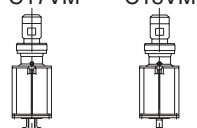
Reducer Specification	Symbol	Motor Specification	Symbol
Torque Limiter	TL	Modification Right Wall	H3
Light Heavy Radial	R1	Low Backlash	LB
High Cap. Brg. Ductile Casing	R2	AF Motor	AV
Baseplate	BP	Servo Motor	SV
HH Type Ceiling	H1	DC Motor	DV
Modification Left Wall	H2		

Table 7 Brake (Integral Only)

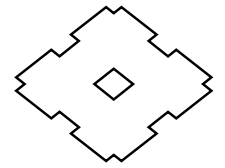
Brake	Symbol
NO	
YES	B

MOUNTING POSITIONS

N = Universal Mounting Maintenance-free is for Frame Size up to 6125 (Single stage), 6125DB (Double stage)

Gearmotors			Speed Reducers		
CHHM (CNHM) 	CHFM (CNFM) 	CHVM (CNVM) 	CHH (CNH) 	CHF (CNF) 	CHV (CNV) 
CVHM (CNHM) 	CVFM (CNFM) 	CVVM (CNVM) 	CVH (CNH) 	CVF (CNF) 	CVV (CNV) 
CWHM (CNHM) 	CWFM (CNFM) 	CWVM (CNVM) 	CWH (CNH) 	CWF (CNF) 	CWV (CNV) 
CHHXM (CNHXM)  Input side Hollow shaft	CHF XM (CNFXM)  Input side Hollow shaft	CVV XM (CNVXM)  Input side Hollow shaft	CHHM (CNHX)  Input side Hollow shaft	CHF X (CNFX)  Input side Hollow shaft	CVV X (CNVX)  Input side Hollow shaft
CHHJM (CNHJM)  With Adaptor	CHFJM (CNFJM)  With Adaptor	CVVJM (CNVJM)  With Adaptor	CHHJ  With Adaptor	CHFJ  With Adaptor	CVVJ  With Adaptor
CHHPM  Top Mount Type	CVVPM  Side Mount Type	CPM  Cyclo motor pulley			
CHHBM  Beier Cyclo Variator	CHF BM  Beier Cyclo Variator	CVV BM  Beier Cyclo Variator			
CHHCM  Cyclo Pack with Clutch Brake	C11WM  Cyclo capstan	C14VM C15VM  Vertical special base mount			
C10CM  Cyclo wheel	CPC  Center post type	C17VM C18VM  Vertical special base mount			

Because we constantly strive to satisfy individual user requirements, we can provide a wide variety of other special models in addition to those shown above. Please contact us for additional information.



REDUCTION RATIOS

Table 8 Standard Reduction Ratios

Single Reduction									
6	8	11	13	15	17	21	25	29	35
43	51	59	71	87	119				
Double Reduction									
104 (13×8)	121 (11×11)	143 (13×11)	165 (15×11)	195 (15×13)	231 (21×11)	273 (21×13)	319 (29×11)	377 (29×13)	473 (43×11)
559 (43×13)	649 (59×11)	731 (43×17)	841 (29×29)	1003 (59×17)	1247 (43×29)	1479 (87×17)	1849 (43×43)	2065 (59×35)	2537 (59×43)
3045 (87×35)	3481 (59×59)	4437 (87×51)	Note ¹ 5133 (87×59)	6177 (87×71)	7569 (87×87)				

Note 1: Frame size 6205# ~ 6265# are (59×87).

Table 9 Optional Reduction Ratios

Under certain conditions, the following reduction ratios may also be available, please consult factory. (The output shaft RPM shown is an example when coupled with a 4-pole motor)

Reduction Ratio		88 (11×8)	90 (15×6)	102 (17×6)	120 (15×8)	126 (21×6)	136 (17×8)	150 (25×6)	168 (21×8)	169 (13×13)	174 (29×6)	187 (17×11)	200 (25×8)	210 (35×6)	221 (17×13)	225 (15×15)	
Output speed RPM	50Hz	16.5	16.1	14.2	12.1	11.5	10.7	9.67	8.63	8.58	8.33	7.75	7.25	6.90	6.56	6.44	
	60Hz	19.9	19.4	17.2	14.6	13.9	12.9	11.7	10.4	10.4	10.1	9.36	8.75	8.33	7.92	7.78	
Reduction Ratio		232 (29×8)	255 (17×15)	258 (43×6)	275 (25×11)	280 (35×8)	289 (17×17)	306 (51×6)	315 (21×15)	325 (25×13)	344 (43×8)	354 (59×6)	357 (21×17)	375 (25×15)	385 (35×11)	408 (51×8)	
Output speed RPM	50Hz	6.25	5.69	5.62	5.27	5.18	5.02	4.74	4.60	4.46	4.22	4.10	4.06	3.87	3.77	3.55	
	60Hz	7.54	6.86	6.87	6.36	6.25	6.06	5.72	5.56	5.38	5.09	4.94	4.90	4.67	4.55	4.29	
Reduction Ratio		425 (25×17)	426 (71×6)	435 (29×15)	441 (21×21)	455 (35×13)	472 (59×8)	493 (29×17)	522 (87×6)	525 (35×15)	561 (51×11)	568 (71×8)	595 (35×17)	609 (29×21)	625 (25×25)	645 (43×15)	
Output speed RPM	50Hz	3.41	3.40	3.33	3.29	3.19	3.07	2.94	2.78	2.76	2.58	2.55	2.44	2.38	2.32	2.25	
	60Hz	4.12	4.11	4.02	3.97	3.85	3.71	3.55	3.35	3.33	3.12	3.08	2.94	2.87	2.80	2.71	
Reduction Ratio		663 (51×13)	696 (87×8)	725 (29×25)	735 (35×21)	765 (51×15)	767 (59×13)	781 (71×11)	867 (51×17)	875 (35×25)	885 (59×15)	903 (43×21)	923 (71×13)	957 (87×11)	1015 (35×29)	1065 (71×15)	
Output speed RPM	50Hz	2.19	2.08	2.00	1.97	1.90	1.89	1.86	1.67	1.66	1.64	1.61	1.57	1.52	1.43	1.36	
	60Hz	2.64	2.51	2.41	2.38	2.29	2.28	2.24	2.02	2.00	1.98	1.94	1.90	1.83	1.72	1.64	
Reduction Ratio		1071 (51×21)	1075 (43×25)	1131 (87×13)	1207 (71×17)	1225 (35×35)	1239 (59×21)	1275 (51×25)	1305 (87×15)	1475 (59×25)	1491 (71×21)	1505 (43×35)	1711 (59×29)	1775 (71×25)	1785 (51×35)	1827 (87×21)	
Output speed RPM	50Hz	1.35	1.35	1.28	1.20	1.18	1.17	1.14	1.11	0.98	0.97	0.96	0.85	0.82	0.81	0.79	
	60Hz	1.63	1.63	1.55	1.45	1.43	1.41	1.37	1.34	1.19	1.17	1.16	1.02	0.99	0.98	0.96	
Reduction Ratio		2059 (71×29)	2175 (87×25)	2193 (51×43)	2485 (71×35)	2523 (87×29)	2601 (51×51)	3009 (59×51)	3053 (71×43)	3621 (71×51)	3741 (87×43)	4189 (71×59)	5041 (71×71)				
Output speed RPM	50Hz	0.70	0.67	0.66	0.58	0.57	0.56	0.48	0.47	0.40	0.39	0.45	0.29				
	60Hz	0.85	0.80	0.80	0.70	0.69	0.67	0.58	0.57	0.48	0.47	0.42	0.35				

Input Speed
50Hz: 1450RPM
60Hz: 1750RPM