

5 HELICAL & WORM GEAR

- UNIVERSAL MOUNTING W-SERIES 5- 1
- MAX21 BWP/VWP SERIES 5-13



특징

● 고효율

기존의 이단형 웜 감속기의 효율에 비하여 1.5배 이상의 뛰어난 효율을 지녔습니다.

● 고강성

감속기 CASE가 한 몸체에 기어를 전부 내장하고 있으므로 구조상의 강성이 높아 콤팩트한 설치가 가능합니다.

● 편리성

모터 입력축의 위치가 감속기의 중앙에 있으므로 사용자의 입장에서 선택과 설치 설계가 용이합니다.

형식

● 중실축형

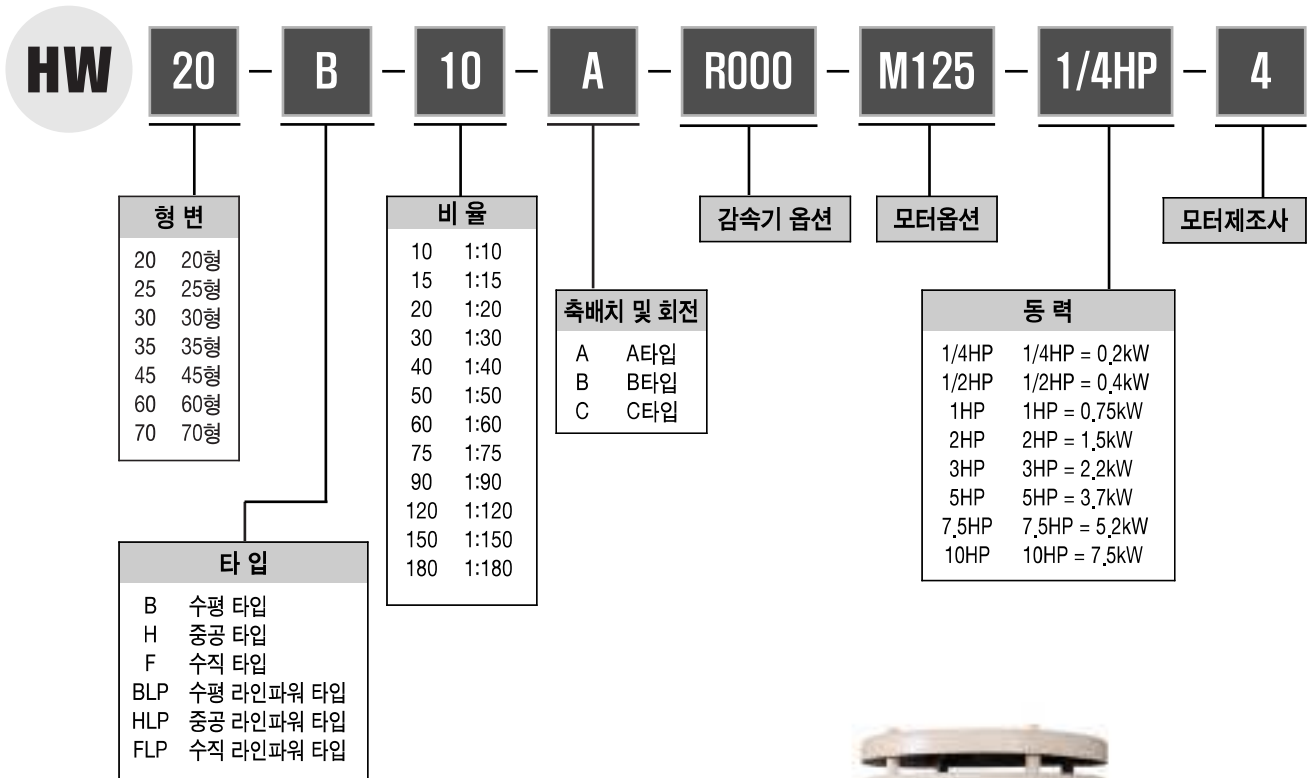
출력축이 일반 원통형의 축에 KEY홈이 있어서 COUPLING 또는 PULLEY 설치로 사용할 수 있는형태입니다.

● 중공축형

출력축이 중공형태입니다. 별도로 COUPLING이 PULLEY를 요하지 않고 피동축에 직결할 수 있습니다.

● 모터 부착형

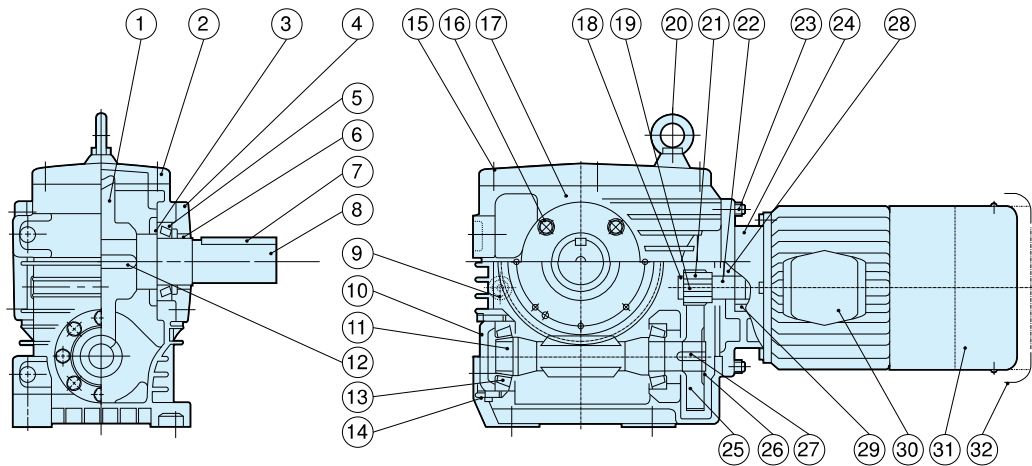
출고시에 모터를 장착한 상태로 구입할 수 있습니다.



HELICAL & WORM REDUCERS



조립도

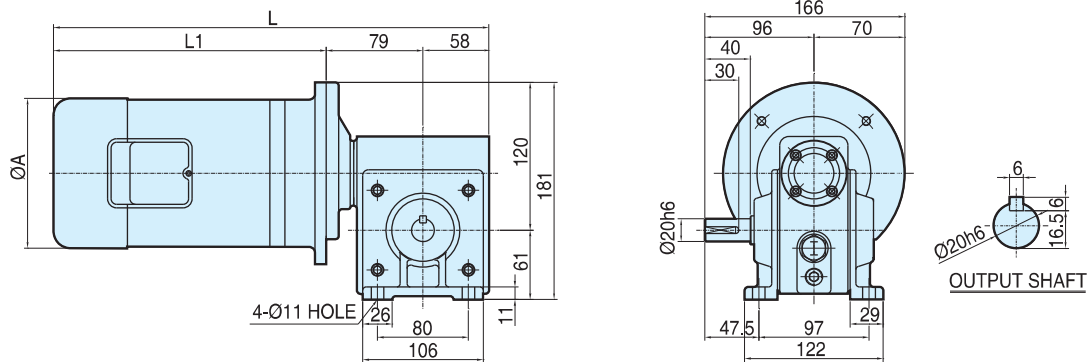


각부명칭

- | | |
|------------------------|--------------------|
| 1. WORM GEAR(WHEEL) | 17. CASE |
| 2. HEAD COVER | 18. SNAP RING |
| 3. GREASE COVER | 19. KEY |
| 4. OUTPUT COVER | 20. EYE BOLT |
| 5. OUTPUT BEARING | 21. INPUT PINION |
| 6. OIL SEAL | 22. MOTOR SHAFT |
| 7. KEY | 23. BOLT |
| 8. OUTPUT SHAFT | 24. FLANGE |
| 9. PLUG FOR DRAIN/VENT | 25. INPUT GEAR |
| 10. INPUT COVER | 26. SNAP RING |
| 11. INPUT SHAFT | 27. KEY |
| 12. KEY | 28. OIL SEAL |
| 13. INPUT BEARING | 29. BEARING |
| 14. BOLT | 30. ELECTRIC MOTOR |
| 15. BOLT | 31. BRAKE |
| 16. BOLT | 32. COVER |

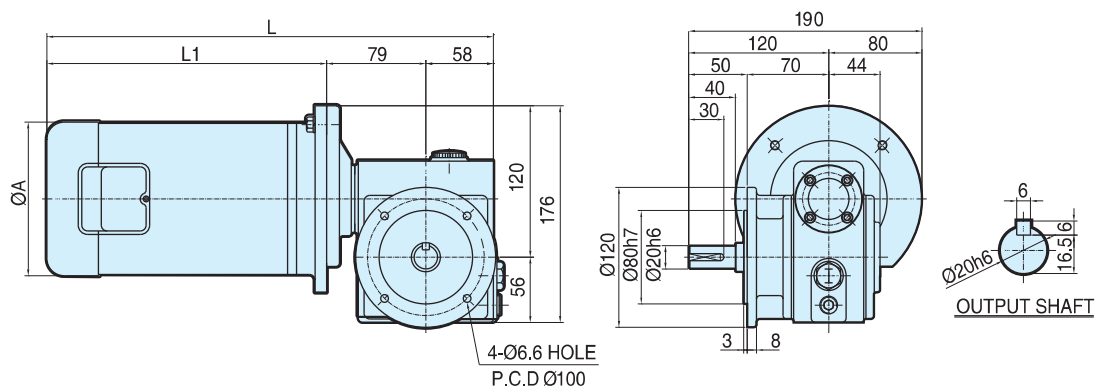
W-20

HORIZONTAL TYPE (WORM GEARED MOTOR)



TYPE	INPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W20B	0.2kw (1/4HP)	10, 20, 30, 40, 50, 60	180	317	124	14

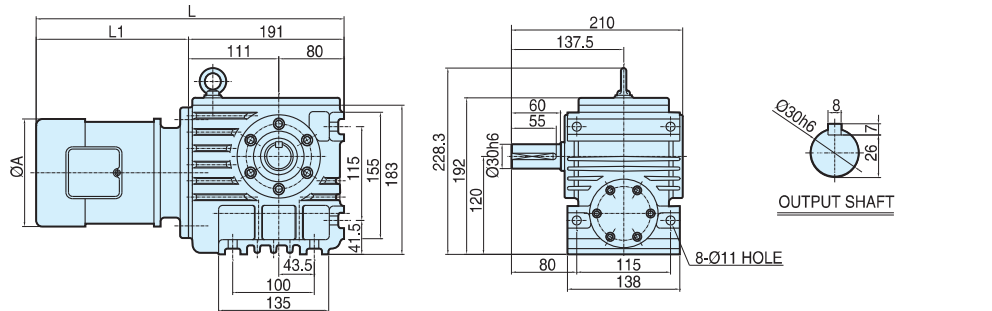
VERTICAL TYPE (WORM GEARED MOTOR)



TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W20F	0.2kw (1/4HP)	10, 20, 30, 40, 50, 60	180	317	124	19

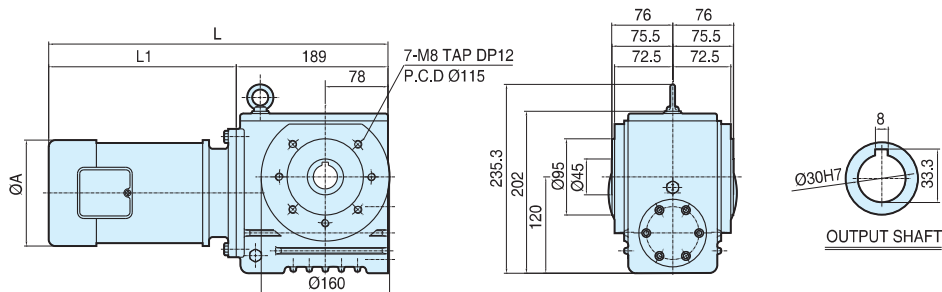
W-30

HORIZONTAL TYPE

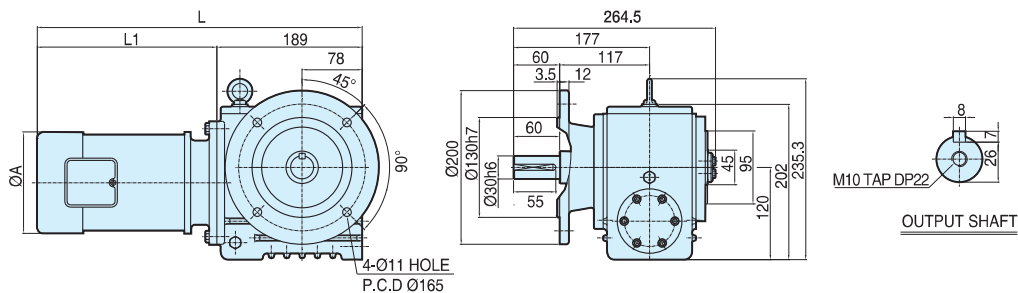


TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W30B	0.4kw (1/2HP)	75, 90, 120, 150, 180	210	401	145	27
	0.75kw (1HP)	40, 50, 60	259	450	180	28
	1.5kw (2HP)	10, 20, 30	315	506	199	32

HOLLOW SHAFT TYPE



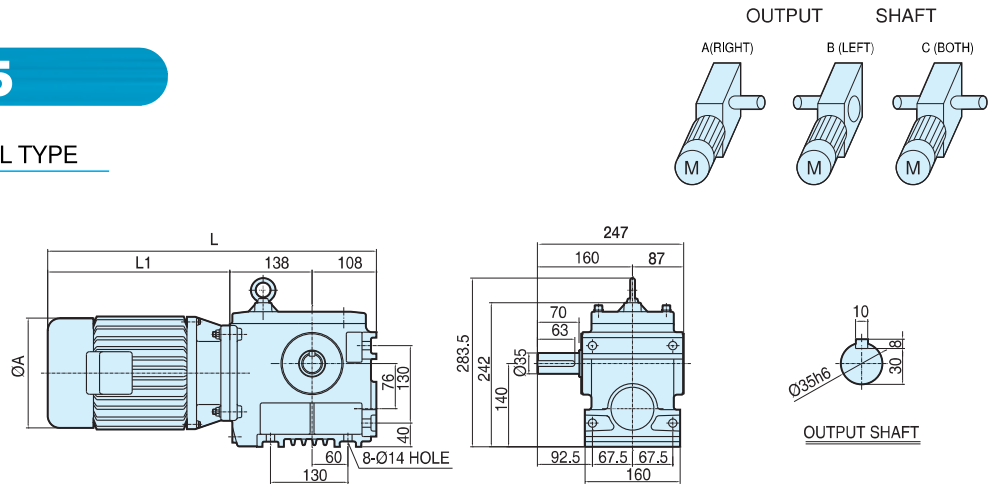
VERTICAL TYPE



TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W30H W30F	0.4kw (1/2HP)	75, 90, 120, 150, 180	210	399	145	30
	0.75kw (1HP)	40, 50, 60	259	448	180	35
	1.5kw (2HP)	10, 20, 30	315	504	199	41

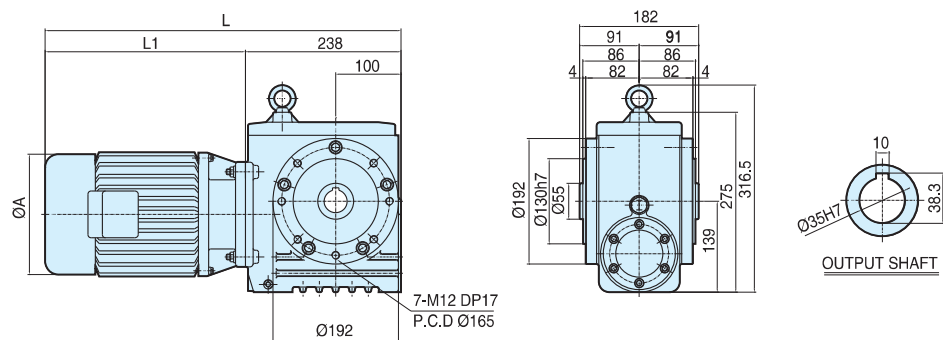
W-35

HORIZONTAL TYPE

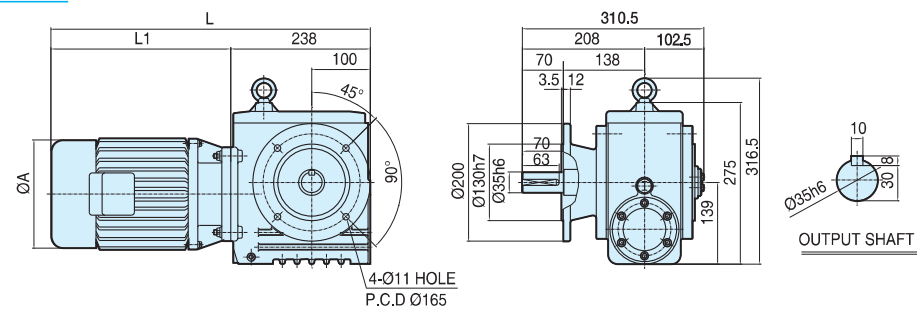


TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W35B	0.75kw (1HP)	75, 90, 120, 150, 180	259	505	180	43
	1.5kw (2HP)	40, 50, 60	315	561	199	49
	2.2kw (3HP)	10, 20, 30	347	593	222	58

HOLLOW SHAFT TYPE



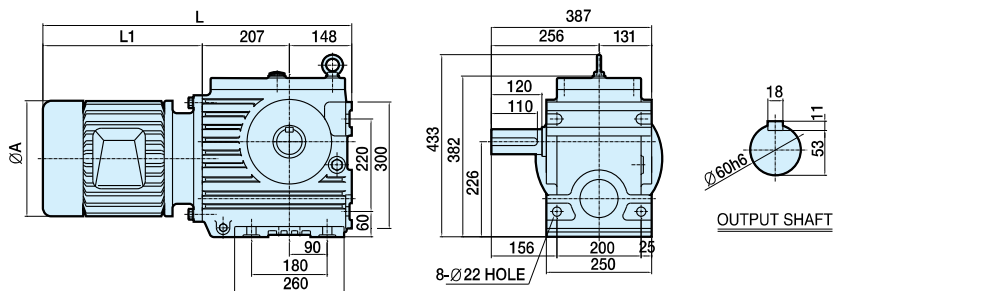
VERTICAL TYPE



TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W35H W35F	0.75kw (1HP)	75, 90, 120, 150, 180	259	497	180	46
	1.5kw (2HP)	40, 50, 60	315	553	199	52
	2.2kw (3HP)	10, 20, 30	347	585	222	61

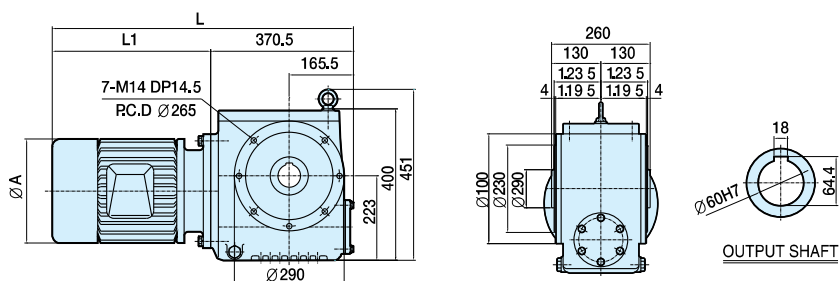
W-60

HORIZONTAL TYPE

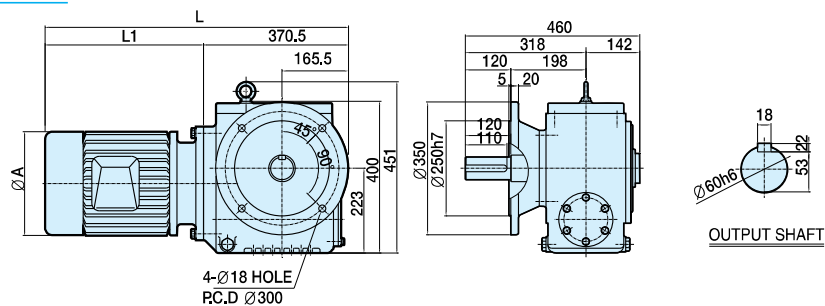


TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W60B	2.2kw (3HP)	75, 90, 120, 150, 180	346	701	222	136
	3.7kw (5HP)	40, 50, 60	330	685	244	144
	5.5kw (7.5HP)	10, 20, 30	379	734	284	161

HOLLOW SHAFT TYPE



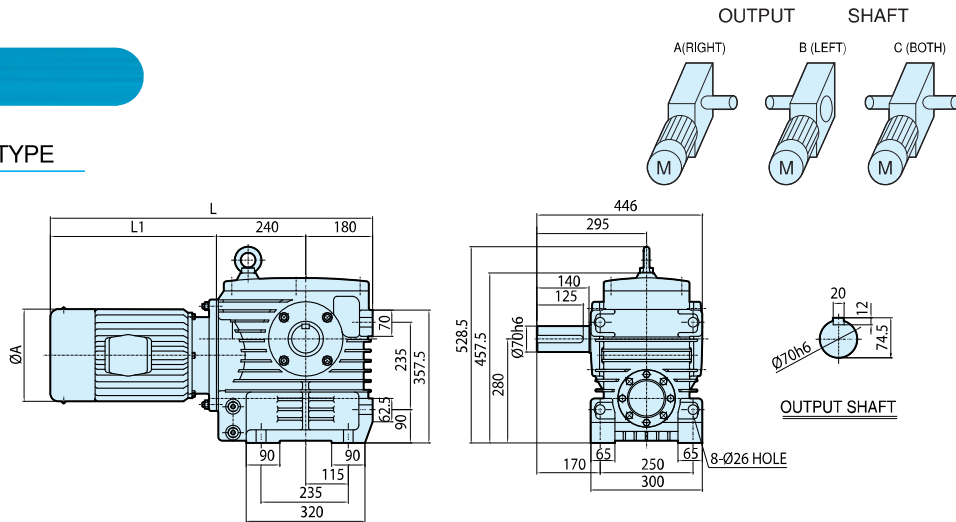
VERTICAL TYPE



TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W60H W60F	2.2kw (3HP)	75, 90, 120, 150, 180	346	709	222	154
	3.7kw (5HP)	40, 50, 60	330	693	244	162
	5.5kw (7.5HP)	10, 20, 30	379	742	284	179

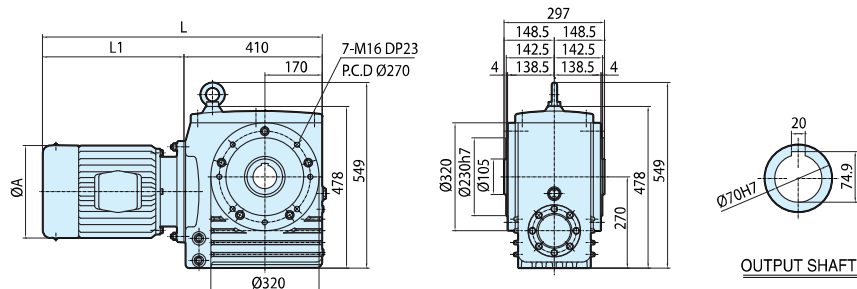
W-70

HORIZONTAL TYPE

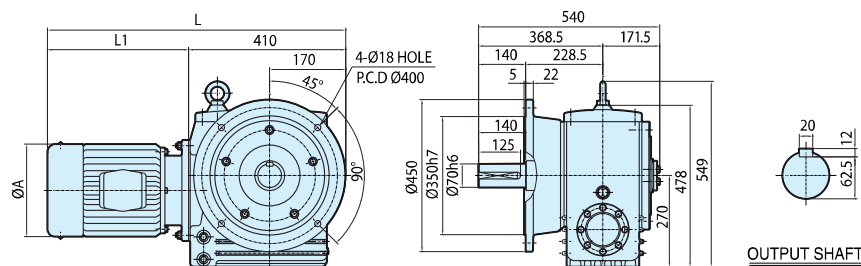


TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W70B	3.7kw (5HP)	75, 90, 120, 150, 180	315	735	244	214
	5.5kw (7.5HP)	40, 50, 60	379	799	284	231
	7.5kw (10HP)	10, 20, 30	417	837	284	238

HOLLOW SHAFT TYPE

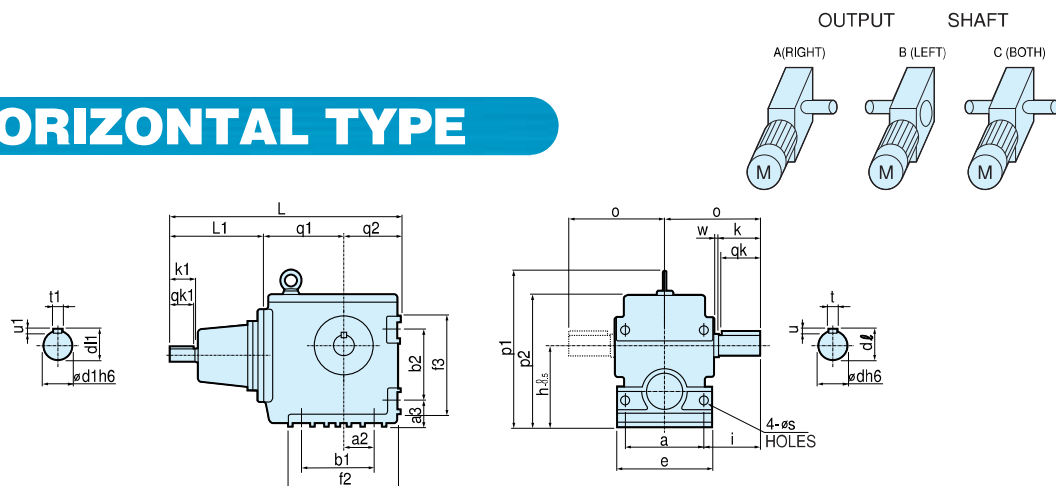


VERTICAL TYPE



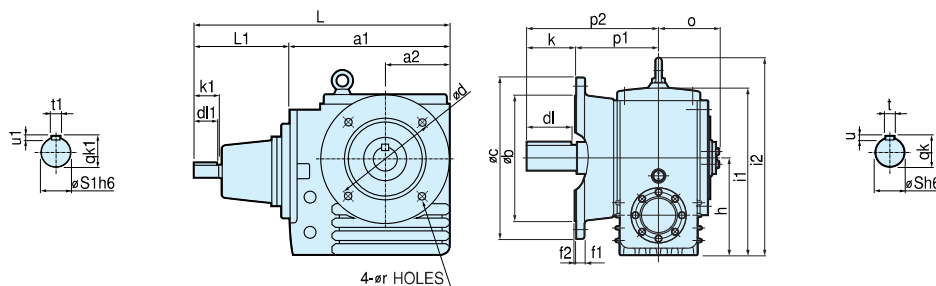
TYPE	OUTPUT	RATIO	L ₁	L	φA	WEIGHT(kg)
W70H W70F	3.7kw (5HP)	75, 90, 120, 150, 180	315	725	244	236
	5.5kw (7.5HP)	40, 50, 60	379	789	284	253
	7.5kw (10HP)	10, 20, 30	417	827	284	260

HORIZONTAL TYPE



TYPE	DIMENSION(mm)																						
	a	a2 a3	b1 b2	e	f2 f3	h	i	L	L1	O	p1 p2	q1 q2	s w	d	t u	qk	k	dl	d1	t1 u1	qk1	k1	dl1
W25	104	45 35	80 95	124	133 135	102	63	300,5	115	115	220,5 178	105,5 80	11 5	25	8 7	40	50	28	16	5 5	36	40	18,3
W30	115	43,5 36,5	100 115	138	135 155	120	80	306	115	137,5	226,3 190	111 80	11 5	30	8 7	55	60	33	16	5 5	36	40	18,3
W35	135	60 40	130	160	195 170	140	92,5	366	120	160	285 227	138 108	14 7	35	10 8	63	70	38	19	6 6	36	40	21,8
W45	155	77 55	155 170	185	224 220	176	117,5	427	140	195	353 295	165 122	18 6	45	14 9	85	90	48,5	28	8 7	40	50	31,3
W60	200	92 60	180 220	250	293 300	226	156	535	180	256	425 374	207 148	22 9	60	18 11	110	120	64	32	10 8	50	60	35,3
W70	250	115 90	235	300	351 320	280	170	640	220	295	529 458	240 180	25 3,5	70	20 12	125	140	74,5	40	12 8	70	80	43,3

VERTICAL TYPE



TYPE	DIMENSION(mm)																						
	a1 a2	b	c	d	f1 f2	h	i1 i2	L	L1	O	p1	p2	r	s	t u	dl	k	qk	S1	t1 u1	dl1	k1	qk1
W25	181 75,5	110	160	130	10 3,5	102	186,5 231	296	115	76	96	146	9	25	8 7	40	50	28,3	16	5 5	36	40	18,3
W30	189 78	130	200	165	12 3,5	120	196 232,3	304	115	86	117	177	11	30	8 7	55	60	33,3	16	5 5	36	40	18,3
W35	238 100	130	200	165	12 3,5	139	260 318	358	120	101	138	208	11	35	10 8	63	70	38,8	19	6 6	36	40	21,8
W45	287 122	180	250	215	15 4	177	317 376	427	140	121,5	162	252	14	45	14 9	85	90	48,8	28	8 7	40	50	31,3
W60	344 150	250	350	300	20 5	223	365 424	524	180	123,5	198	318	18	60	18 11	110	120	64,4	32	10 8	50	60	35,3
W70	410 170	350	450	400	22 5	270	465 549	630	220	142,5	228	368	18	70	20 12	125	140	74,9	40	12 8	70	80	43,3