

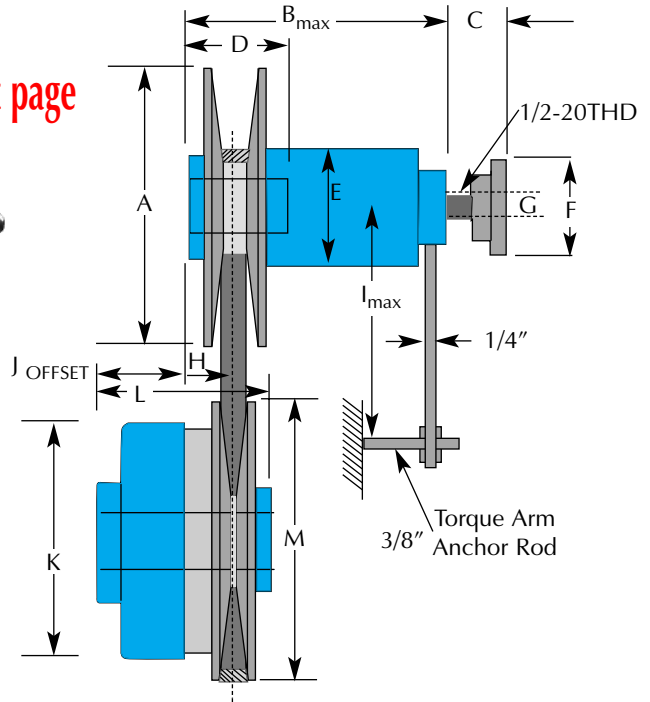
MCW Series 1-7.5 hp

Fixed Center Distance Drives

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Standard V-Belt and Variable Speed Belt Pulley Drives

MCW series pulleys are Fixed Center Distance Drive type pulleys. The MCW pulleys use Variable Speed Belts and have horsepower rating from 1-7.5 HP. The automatic pulleys have Hi-Lo's torque-sensing mechanism to control belt tension with load requirement.



Dimensions • MCW Series

All dimensions are in inches

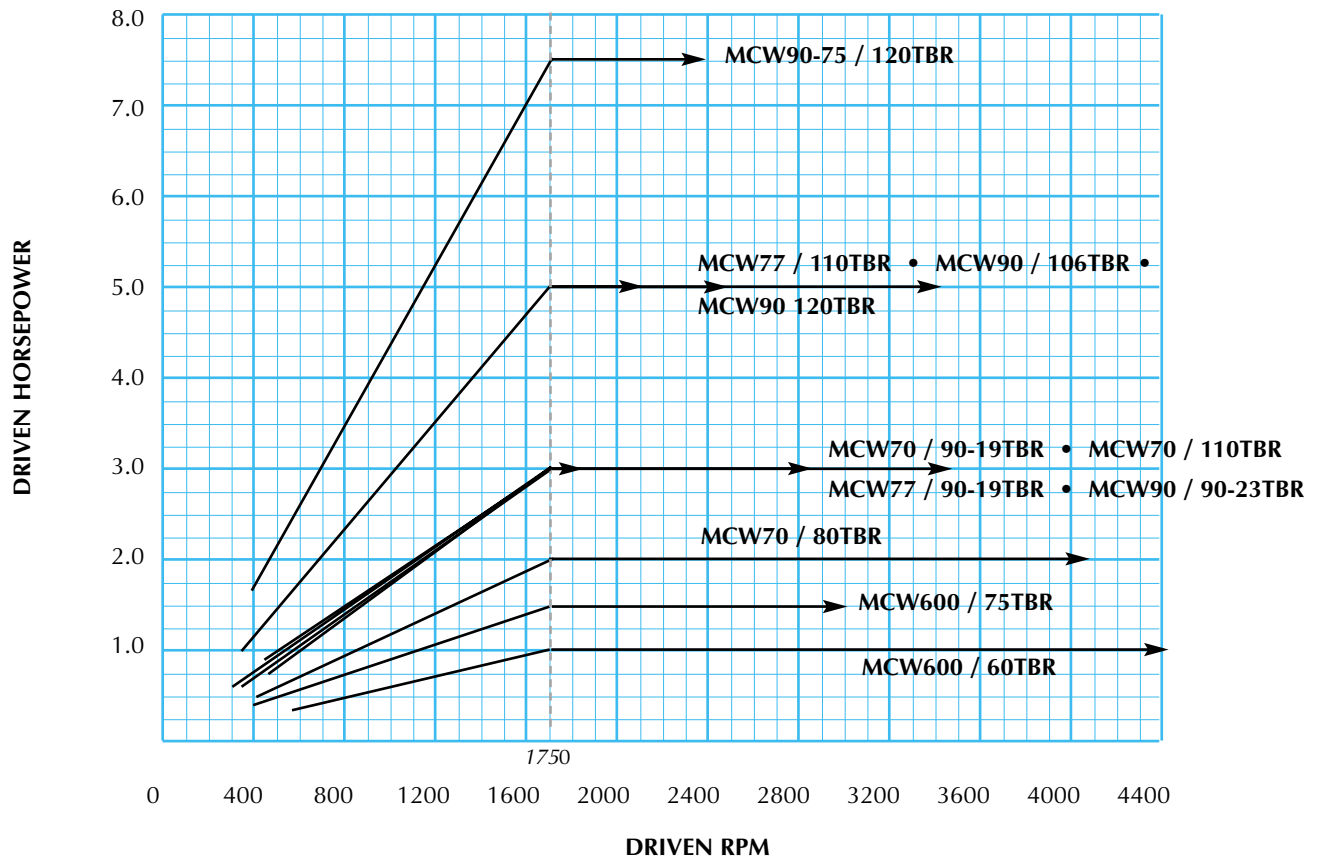
Pulley Combination	Driver	Driven	A	B	C	D	E	F	G	H	I	J	K	L	M	Stock Bore/Collet Sizes	Hand wheel Turns
MCW600	60TBR 75TBR		6.13	6.20	.75	2.70	2.20	2.00	.437	1.41	4.25	1.51	5.08	3.94	6.13	.625•.75•.875	16.0
												1.51	5.08	3.88	7.50	.75•.875•1•1.125	
MCW70	80TBR 90-19TBR 110TBR		7.13	6.63	1.25	3.12	2.63	4.50	.437	1.53	5.75	2.00	5.27	4.81	8.00	.625•.75•.875•1	18.0
												2.69	7.13	5.50	9.00	*Collet #510	
													2.69	7.13	5.50	11.00	
MCW77	90-19TBR 110TBR		7.75	7.65	1.25	3.50	2.88	4.50	.437	1.78	5.75	2.44	7.13	5.50	9.00	.875•1•1.125	21.3
												2.44	7.13	5.50	11.00	*Collet #510	
MCW90			9.00	7.88	1.25	3.50	2.88	4.50	.437	1.97	5.75					.875•1•1.125	25.0
MCW90-75			9.00	7.99	1.25	3.50	2.88	4.50	.437	1.97	5.75					.875•1•1.125•	
	90-23TBR 106TBR 120TBR											2.56	7.13	6.00	9.00	*Collet #510	25.0
												2.56	7.13	6.00	10.60	*Collet #510	
												2.56	7.13	6.00	12.00	*Collet #510	

Specifications • MCW Series

*Standard bore sizes for Collet #510: 1, 1.125, 1.25, 1.375

HP Ratings										Pulley Combination		Pitch Diameter					1-1 Ratio
1750 RPM Motor Driven RPM		1150 RPM Motor Driven RPM		Torque @1-1 Ratio	Driven RPM				Ratio	Driver	Driven	Belt Size	Driver		Driven		1-1 Ratio
1750 to Max.	at Min.	1150 to Max.	at Min.		1750 Min.	1750 Max.	1150 Min.	1150 Max.					Min.	Max.	Min.	Max.	
1.00	.31	.075	.20	36	550	5500	356	3560	10:1	MCW600	60TBR	1422V	1.70	5.92	1.70	5.92	3.90
1.50	.34	1.00	.22	54	400	3000	264	1980	7.5:1	MCW600	75TBR	1422V	1.70	5.92	3.44	7.30	4.71
2.00	.48	1.33	.32	72	423	4075	278	2678	9.6:1	MCW70	80TBR	1922V	1.88	6.90	2.96	7.78	5.02
3.00	.65	2.00	.42	108	375	2863	246	1882	7.7:1	MCW70	90-19TBR	1922V	1.88	6.90	4.22	8.78	5.60
3.00	.60	2.00	.35	108	305	1776	201	1167	5.8:1	MCW70	110TBR	1922V	1.88	6.90	6.80	10.78	6.80
3.00	.77	2.00	.52	108	450	3470	297	2290	7.7:1	MCW77	90-19TBR	1922V	2.25	7.53	3.80	8.78	5.74
5.00	1.00	3.00	.63	180	365	2108	241	1391	5.8:1	MCW77	110TBR	1922V	2.25	7.53	6.25	10.78	6.90
3.00	.77	2.00	.52	108	450	4500	297	2970	10:1	MCW90	90-23TBR	2322V	2.25	8.75	2.88	8.75	5.72
5.00	1.08	3.00	.65	180	380	3420	251	2257	9:1	MCW90	106TBR	2322V	2.25	8.75	4.44	10.38	6.67
5.00	.96	3.00	.58	180	336	2490	222	1642	7.4:1	MCW90	120TBR	2322V	2.25	8.75	6.15	11.75	7.48
7.50	1.70	5.00	1.13	270	395	2397	260	1555	6:1	MCW90-75	120TBR	2322V	2.65	8.75	6.47	11.75	7.64

Horsepower Curve • 1750 RPM Driver



Pre-Engineered Belt and Center Distance Selection Chart • MCW Series

MCW600 Series

All dimensions are in inches.

Pulley Combination		1422V Belt Size													
Driver	Driven	300	330	340	360	400	420	440	460	470	480	540	600	660	720
MCW600	60TBR	8.8	10.3	10.8	11.8	13.8	14.8	15.8	16.8	17.3	17.8	20.8	23.8	26.8	29.8
MCW600	75TBR	7.6	9.1	9.6	10.6	12.6	13.6	14.6	15.6	16.1	16.6	19.6	22.6	25.6	28.6

MCW77 and MCW70 Series

Pulley Combination		1922V Belt Size													
Driver	Driven	381	403	426	443	454	484	526	544	604	630	646	666	726	756
MCW70	80TBR	11.1	12.2	13.4	14.3	14.8	16.3	18.5	19.4	22.4	23.7	24.5	25.5	28.6	30.1
MCW70	90-19TBR	10.1	11.2	12.5	13.3	13.9	15.4	17.6	18.5	21.5	22.9	23.7	24.7	27.7	29.2
MCW70	110TBR			10.4	11.3	11.9	13.5	15.7	16.7	19.8	21.1	21.9	22.9	26.0	27.5
MCW77	90-19TBR	10.0	11.1	12.3	13.1	13.7	15.2	17.3	18.2	21.2	22.5	23.3	24.3	27.3	28.8
MCW77	110TBR			10.5	11.3	11.9	13.4	15.5	16.4	19.4	20.7	21.5	22.5	25.5	27.0

MCW90 and MCW90-75 Series

Pulley Combination		2322V Belt Size													
Driver	Driven	441	481	521	541	601	621	661	681	701	721	801	826	846	886
MCW90	90-23TBR	13.1	15.1	17.1	18.1	21.1	22.1	24.1	25.1	26.1	27.1	31.1	32.3	33.3	35.3
MCW90	106TBR	11.6	13.6	15.6	16.6	19.6	20.6	22.6	23.6	24.6	25.6	29.6	30.8	31.8	33.8
MCW90	120TBR		12.3	14.3	15.3	18.3	19.3	21.3	22.3	23.3	24.3	28.3	29.6	30.6	32.6
MCW90-75	120TBR		12.1	14.1	15.1	18.1	19.1	21.1	22.1	23.1	24.1	28.1	29.3	30.3	32.3

To determine unlisted Belt Lengths and Center Distances, use these formulas:

$$L = (2C + 3.14D)$$

$$C = \frac{(L - 3.14D)}{2}$$

C = Center Distance
 D = 1 to 1 Pitch Diameter
 L = Belt Pitch Length