

# MCS Sheave

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## Features



Wood's MCS sheaves incorporate a proven lubrication system that eliminates fretting corrosion, freezing, and sticking. Wood's exclusive cam followers exert side wall pressure on the belt in proportion to the torque required to carry the load. As the load increases, so does the grip on the belt. Thus, constant pitch diameter and constant speed are maintained under varying torque loads. Heavy thrust springs are not constantly squeezing the flanges against the belt and cam pressure is exerted only when the load requires it, greatly prolonging belt life.

- **15 thru 125 HP @ 1750 RPM**
- **Rugged Cast Iron Construction**
- **Dynamically Balanced**
- **V to V Operation**
- **Exclusive Oil Lube Design**
- **Cam Assisted Operation**
- **Proven Reliability**

**NOTE:** MCS sheaves are not recommended for vertical shaft applications or on applications involving the use of plug reversing or plug stop motors.

## Selection Charts

PRODUCT NO.	HP RATING @		BELT	PITCH DIA.		DRIVE CHART PAGE NO.
	1750	1160		MIN.	MAX.	
<b>MCS-10W-HD</b>	15	7-1/2 - 10	4430V	5.00	10.00	D1-10
<b>MCS-12W-HD</b>	15 - 20	7-1/2 - 15	4430V	6.00	12.00	D1-10
<b>MCS-12S</b>	15 - 25	7-1/2 - 15	3230HV	6.00	12.00	D1-11
<b>MCS-13S</b>	*25 - 30	15 - 20	3230HV	6.38	12.75	D1-11
<b>MCS-13-Y</b>	*25 - 40	15 - 30	4836V	6.38	12.75	D1-12
<b>MCS-14-Y</b>	*40 - 60	25 - 40	4836V	7.00	14.00	D1-12
<b>MCS-15-Y</b>	*60 - 125	40 - 75	4836V	10.00	15.00	D1-13

Horsepower ratings are based on constant torque and are shown for maximum pitch diameters.

Horsepower ratings at other pitch diameters reduce in proportion the driven speed.

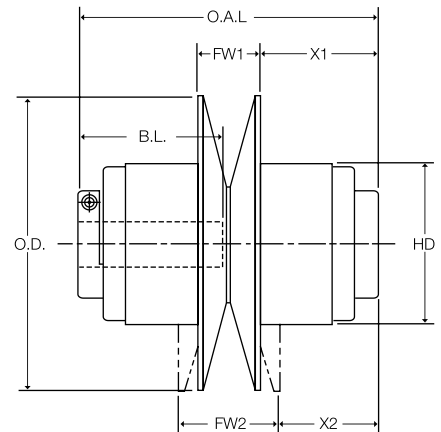
\* Use MBA motor base only.

### STOCK BORE SIZES

PRODUCT NO.	1-5/8	1-7/8	2-1/8	2-3/8	2-7/8	MAX. BORE
<b>MCS-10W-HD</b>	X	X	-	-	-	1-7/8
<b>MCS-12W-HD</b>	X	X	-	-	-	1-7/8
<b>MCS-12S</b> ▲	X	X	-	-	-	1-7/8
<b>MCS-13S</b> ▲	-	X	-	-	-	1-7/8
<b>MCS-13-Y</b> ▲	-	X	X	-	-	2-1/8
<b>MCS-14-Y</b> ▲	-	-	X	X	-	2-7/8
<b>MCS-15-Y</b> ▲	-	-	-	X	X	2-7/8

▲ Clamp hub style.

ORDERING EXAMPLE: MCS12S x 1-5/8



### MCS SHEAVE DIMENSIONS

PRODUCT NO.	O.D.	HD	O.A.L.	B.L.	FW 1	X1	FW2	X2	WT. LBS.
<b>MCS-10W-HD</b>	10.40	6-3/4	9-3/4	5-13/16	3-1/4	3.09	4-9/16	2-7/16	57
<b>MCS-12W-HD</b>	12-1/4	6-3/4	9-3/4	5-3/4	3-1/4	3.09	4-13/16	2-5/16	63
<b>MCS-12S</b>	12-1/4	6-3/4	9-9/16	6	2-1/2	3-3/16	4-1/16	2-3/8	69
<b>MCS-13S</b>	13	6-3/4	9-9/16	6	2-1/2	3-3/16	4-3/16	2-5/16	67
<b>MCS-13-Y</b>	13	6-5/8	10-15/16	6	3.40	3-3/8	5-1/2	2.34	72
<b>MCS-14-Y</b>	14.45	9.26	14	7-1/2	3-3/4	4.53	6.02	3.4	200
<b>MCS-15Y</b>	15.45	9.26	14	7-1/2	3-3/4	4.53	5.37	3.72	200

For optional Sight-Lube lubrication system, refer to D1-23.

## Selection Charts

### MCS-10W-HD (4430V BELT)

DRIVEN SPEED		PRODUCT NUMBER	GROOVED COMPANION SHEAVE	CENTER DISTANCE IN INCHES AT MAXIMUM AND MINIMUM SPEEDS												
1750 RPM Motor	1160 RPM Motor			VARIABLE SPEED V-BELT NUMBER												
				4430V 555	4430V 576	4430V 610	4430V 630	4430V 660	4430V 690	4430V 730	4430V 790	4430V 850	4430V 910	4430V 970	4430V 1090	4430V 1320
2188	1450	801W	8.0 x 1W-SF	13.5	14.7	16.2	17.2	18.7	20.2	22.2	25.2	31.2	34.2	40.2	51.7	
1094	725			17.4	18.6	20.1	21.2	22.6	24.1	26.1	29.1	32.1	35.1	38.1	44.1	55.6
2059	1365	851W	8.5 x 1W-SF	13.1	14.3	15.8	16.8	18.3	19.8	21.8	24.8	27.8	30.8	33.8	39.8	51.3
1029	682			16.9	18.2	19.7	20.7	22.2	23.7	25.7	28.7	31.7	34.7	37.7	43.7	55.2
1944	1299	901W	9.0 x 1W-SF	12.7	13.9	15.4	16.4	17.9	19.4	21.4	24.4	27.4	30.4	33.5	39.5	51.0
972	644			16.5	17.8	19.3	20.3	21.8	23.3	25.3	28.3	31.3	34.3	37.3	43.3	54.8
1842	1221	951W	9.5 x 1W-SF	12.3	13.6	15.1	16.1	17.6	19.1	21.0	24.0	27.0	30.1	33.1	39.1	50.6
921	611			16.1	17.3	18.9	19.9	21.4	22.9	24.9	27.9	30.9	33.9	36.9	42.9	54.4
1750	1160	1001W	10.0 x 1W-SF	11.9	13.2	14.7	15.7	17.2	18.7	20.7	23.7	26.7	29.7	32.7	38.7	50.2
875	580			15.6	16.9	18.4	19.4	20.9	22.5	24.5	27.5	30.5	33.5	36.5	42.5	54.0
1591	1054	1101W	11.0 x 1W-SF	11.0	12.4	13.9	14.9	16.4	17.9	19.9	22.9	25.9	28.9	31.9	37.9	49.4
795	527			14.7	16.0	17.6	18.6	20.1	21.6	23.6	26.6	29.7	32.7	35.7	41.7	53.2
1458	967	1201W	12.0 x 1W-SF	-	11.6	13.1	14.1	15.6	17.1	19.1	22.1	25.1	28.1	31.1	37.1	48.6
729	483			-	15.1	16.7	17.7	19.2	20.7	22.7	25.8	28.8	31.8	34.8	40.9	52.4
1346	892	1301W	13.0 x 1W-SF	-	-	12.4	13.2	14.7	16.2	18.2	21.2	24.3	27.3	30.3	36.3	47.8
673	446			-	-	15.9	16.8	18.3	19.8	21.9	24.9	28.0	31.0	34.0	40.0	51.6
1250	828	1401W	14.0 x 1W-SF	-	-	-	12.5	13.9	15.4	17.4	20.4	23.4	26.5	29.5	35.5	47.0
625	414			-	-	-	16.0	17.3	18.9	21.0	24.0	27.1	30.1	33.2	39.2	50.8
1167	773	1501W	15.0 x 1W-SF	-	-	-	-	13.2	14.5	16.5	19.6	22.6	25.6	28.6	34.7	46.2
583	387			-	-	-	-	16.5	18.0	20.0	23.1	26.2	29.2	32.3	38.3	49.9
1094	725	1601W	16.0 x 1W-SF	-	-	-	-	-	13.8	15.7	18.7	21.7	24.8	27.8	33.8	45.4
547	363			-	-	-	-	-	17.1	19.1	22.2	25.3	28.3	31.4	37.5	49.1
972	644	1801W	18.0 x 1W-SF	-	-	-	-	-	-	-	16.9	20.0	23.0	26.1	32.1	43.7
486	322			-	-	-	-	-	-	-	-	19.2	24.4	26.5	29.6	35.7
875	580	2001W	20.0 x 1W-SF	-	-	-	-	-	-	-	-	18.1	21.2	24.3	30.4	42.0
438	290			-	-	-	-	-	-	-	-	-	21.4	24.6	22.7	33.9
795	527	2201W	22.0 x 1W-SF	-	-	-	-	-	-	-	-	-	19.3	22.4	28.6	40.3
398	264			-	-	-	-	-	-	-	-	-	22.6	25.8	32.0	43.9
729	483	2401W	24.0 x 1W-SF	-	-	-	-	-	-	-	-	-	-	20.5	26.8	38.5
365	242			-	-	-	-	-	-	-	-	-	-	-	23.7	30.1
625	414	2801W	28.0 x 1W-E	-	-	-	-	-	-	-	-	-	-	-	22.9	35.0
312	207			-	-	-	-	-	-	-	-	-	-	-	-	26.1

### MCS-12W-HD (4430V BELT)

DRIVEN SPEED		PRODUCT NUMBER	GROOVED COMPANION SHEAVE	CENTER DISTANCE IN INCHES AT MAXIMUM AND MINIMUM SPEEDS												
1750 RPM Motor	1160 RPM Motor			VARIABLE SPEED V-BELT NUMBER												
				4430V 555	4430V 578	4430V 610	4430V 630	4430V 660	4430V 690	4430V 730	4430V 790	4430V 850	4430V 910	4430V 970	4430V 1090	4430V 1320
2625	1740	801W	8.0 x 1W-SF	11.8	13.0	14.5	15.5	17.1	18.6	20.6	23.6	26.6	29.6	32.6	38.6	50.1
1313	870			16.6	17.9	19.4	20.4	21.9	23.4	25.3	28.3	31.3	34.4	37.4	43.4	54.9
2470	1638	851W	8.5 x 1W-SF	11.4	12.7	14.2	15.2	16.7	18.2	20.2	23.2	26.2	29.2	32.2	38.2	49.7
1235	819			16.2	17.4	18.9	19.9	21.5	23.0	24.9	27.9	30.9	34.0	37.0	43.0	54.5
2333	1547	901W	9.0 x 1W-SF	10.7	12.3	13.8	14.8	16.3	17.8	19.8	22.8	25.8	28.8	31.9	37.9	49.4
1167	773			15.9	17.0	18.5	19.5	21.0	22.5	24.5	27.5	30.5	33.6	36.6	42.6	54.1
2210	1465	951W	9.5 x 1W-SF	-	11.9	13.4	14.4	15.9	17.4	19.4	22.4	25.5	28.5	31.5	37.5	49.0
1105	733			-	16.6	18.1	19.1	20.6	22.1	24.1	27.1	30.1	33.2	36.2	42.2	53.7
2100	1392	1001W	10.0 x 1W-SF	-	11.6	13.1	14.1	15.6	17.1	19.1	22.1	25.1	28.1	31.1	37.1	48.6
1050	696			-	16.2	17.7	18.7	20.2	21.7	23.7	26.7	29.7	32.8	35.8	41.8	53.3
1909	1265	1101W	11.0 x 1W-SF	-	-	12.4	13.3	14.7	16.3	18.3	21.3	24.3	27.3	30.3	36.3	47.8
954	633			-	-	17.0	17.9	19.3	20.9	22.9	25.9	28.9	31.9	34.9	40.9	52.5
1750	1160	1201W	12.0 x 1W-SF	-	-	-	12.7	14.0	15.5	17.5	20.5	23.5	26.5	29.5	35.5	47.0
875	580			-	-	-	17.2	18.5	20.0	22.0	25.0	28.1	31.1	34.1	40.1	51.7
1615	1071	1301W	13.0 x 1W-SF	-	-	-	-	13.4	14.7	16.7	19.7	22.7	25.7	28.7	34.7	46.2
808	535			-	-	-	-	17.7	19.1	21.2	24.2	27.2	30.3	33.3	39.3	50.8
1500	994	1401W	14.0 x 1W-SF	-	-	-	-	-	14.1	15.9	18.9	21.9	24.9	27.9	33.9	45.4
750	497			-	-	-	-	-	18.4	20.3	23.3	26.4	29.4	32.4	38.5	50.0
1400	928	1501W	15.0 x 1W-SF	-	-	-	-	-	-	15.1	18.1	21.1	24.1	27.1	33.1	44.7
700	464			-	-	-	-	-	-	19.3	21.4	25.5	28.5	31.6	37.6	49.2
1313	870	1601W	16.0 x 1W-SF	-	-	-	-	-	-	-	17.3	20.3	23.3	26.3	32.3	43.8
656	435			-	-	-	-	-	-	-	-	21.5	24.6	27.6	30.7	36.8
1167	773	1801W	18.0 x 1W-SF	-	-	-	-	-	-	-	-	18.6	21.6	24.6	30.7	42.2
583	387			-	-	-	-	-	-	-	-	-	22.7	25.8	28.9	35.0
1050	696	2001W	20.0 x 1W-SF	-	-	-	-	-	-	-	-	16.8	19.8	22.9	29.0	40.6
525	348			-	-	-	-	-	-	-	-	-	20.8	23.9	27.1	33.2
954	633	2201W	22.0 x 1W-SF	-	-	-	-	-	-	-	-	-	18.1	21.1	27.2	38.9
477	316			-	-	-	-	-	-	-	-	-	22.0	25.1	31.4	43.2
875	580	2401W	24.0 x 1W-SF	-	-	-	-	-	-	-	-	-	-	19.2	25.4	37.1
438	290			-	-	-	-	-	-	-	-	-	-	-	23.1	29.4
750	497	2801W	28.0 x 1W-E	-	-	-	-	-	-	-	-	-	-	-	-	33.6
375	248			-	-	-	-	-	-	-	-	-	-	-	-	-

Refer to table on page D1-53 for additional belts available.

### MCS-12S (3230HV BELT)

DRIVEN SPEED		PRODUCT NUMBER	GROOVED COMPANION SHEAVE	CENTER DISTANCE IN INCHES AT MAXIMUM AND MINIMUM SPEEDS													
1750 RPM Motor	1160 RPM Motor			VARIABLE SPEED V-BELT NUMBER													
				3230 HV 585	3230 HV 603	3230 HV 613	3230 HV 620	3230 HV 626	3230 HV 644	3230 HV 670	3230 HV 685	3230 HV 702	3230 HV 723	3230 HV 821	3230 HV 931	3230 HV 960	3230 HV 1060
2210	1465	951S	9.5 x 1S-SF	12.3	13.2	13.7	14.1	14.4	15.3	16.6	17.3	18.2	19.2	24.3	25.9	31.1	36.1
1105	733			17.0	17.9	18.4	18.7	19.0	20.0	21.3	22.0	22.9	23.9	28.8	30.6	35.8	40.8
2100	1392	1001S	10.0 x 1S-SF	11.9	12.8	13.3	13.7	14.0	14.9	16.2	16.9	17.8	18.9	23.9	25.6	30.7	35.7
1050	696			16.6	17.5	18.0	18.3	18.6	19.5	20.8	21.6	22.5	23.5	28.4	30.2	35.5	40.4
1909	1265	1101S	11.0 x 1S-SF	-	12.1	12.6	12.9	13.2	14.1	15.4	16.2	17.0	18.1	23.0	24.3	29.9	34.9
955	633			-	16.8	17.1	17.5	17.8	18.7	20.0	20.8	21.6	22.7	27.6	29.4	34.6	39.6
1750	1160	1201S	12.0 x 1S-SF	-	-	-	-	12.4	13.4	14.7	15.4	16.3	17.3	22.3	24.0	29.2	34.2
875	580			-	-	-	-	16.9	17.8	19.1	19.9	20.7	21.8	26.8	28.5	33.7	38.8
1615	1071	1301S	13.0 x 1S-SF	-	-	-	-	-	12.5	13.9	14.6	15.5	16.5	21.4	23.2	28.3	33.4
807	535			-	-	-	-	-	16.9	18.2	19.0	19.9	20.9	25.9	27.7	32.9	37.9
1500	994	1401S	14.0 x 1S-SF	-	-	-	-	-	-	-	13.8	14.6	15.7	20.7	22.4	27.6	32.6
750	497			-	-	-	-	-	-	-	-	18.1	19.0	20.0	25.0	26.8	32.1
1400	928	1501S	15.0 x 1S-SF	-	-	-	-	-	-	-	-	13.8	14.9	20.0	21.6	26.8	31.3
700	464			-	-	-	-	-	-	-	-	18.1	19.1	24.6	26.0	31.2	36.2
1312	870	1601S	16.0 x 1S-SF	-	-	-	-	-	-	-	-	-	-	19.1	20.8	25.9	30.9
656	435			-	-	-	-	-	-	-	-	-	-	-	23.2	25.1	30.3
1166	733	1801S	18.0 x 1S-SF	-	-	-	-	-	-	-	-	-	-	17.3	19.0	24.3	29.3
583	386			-	-	-	-	-	-	-	-	-	-	-	21.4	23.2	28.5
1050	696	2001S	20.0 x 1S-SF	-	-	-	-	-	-	-	-	-	-	-	17.2	22.5	27.6
525	348			-	-	-	-	-	-	-	-	-	-	-	-	21.2	26.7

### MCS-13S (3230HV BELT)

DRIVEN SPEED		PRODUCT NUMBER	GROOVED COMPANION SHEAVE	CENTER DISTANCE IN INCHES AT MAXIMUM AND MINIMUM SPEEDS													
1750 RPM Motor	1160 RPM Motor			VARIABLE SPEED V-BELT NUMBER													
				3230 HV 585	3230 HV 603	3230 HV 613	3230 HV 620	3230 HV 626	3230 HV 644	3230 HV 670	3230 HV 685	3230 HV 702	3230 HV 723	3230 HV 821	3230 HV 931	3230 HV 960	3230 HV 1060
2348	1557	951S	9.5 x 1S-SF	11.7	12.6	13.1	13.4	13.7	14.6	15.9	16.7	17.5	18.6	23.6	29.1	30.5	35.5
1175	779			16.7	17.6	18.1	18.5	18.8	19.7	21.0	21.7	22.6	23.6	28.6	34.1	35.5	40.5
2231	1479	1001S	10.0 x 1S-SF	-	12.0	12.7	13.1	13.4	14.3	15.6	16.3	17.2	18.2	23.3	28.7	30.1	35.1
1116	740			-	17.2	17.7	18.0	18.3	19.2	20.6	21.3	22.2	23.2	28.2	33.7	35.1	40.1
2028	1344	1101S	11.0 x 1S-SF	-	-	-	12.3	12.6	13.5	14.8	15.6	16.4	17.5	22.5	27.9	29.3	34.3
1015	673			-	-	-	17.2	17.5	18.4	19.7	20.5	21.3	22.4	27.4	33.0	34.3	39.3
1859	1232	1201S	12.0 x 1S-SF	-	-	-	-	-	12.8	14.0	14.8	15.7	16.7	21.7	27.1	28.6	33.6
930	617			-	-	-	-	-	17.5	18.9	19.6	20.5	21.5	26.5	32.0	33.4	38.5
1784	1183	1301S	13.0 x 1S-SF	-	-	-	-	-	-	13.3	14.0	14.9	15.9	20.9	26.4	27.8	32.8
858	569			-	-	-	-	-	-	18.0	18.7	19.6	20.7	25.7	31.2	32.6	37.6
1593	1056	1401S	14.0 x 1S-SF	-	-	-	-	-	-	-	-	14.1	15.1	20.2	25.5	27.0	32.0
737	488			-	-	-	-	-	-	-	-	18.7	19.8	24.8	30.4	31.8	36.0
1487	986	1501S	15.0 x 1S-SF	-	-	-	-	-	-	-	-	-	14.3	19.3	24.8	26.2	31.2
744	493			-	-	-	-	-	-	-	-	-	-	18.9	23.9	29.5	30.9
1394	924	1601S	16.0 x 1S-SF	-	-	-	-	-	-	-	-	-	-	18.6	24.0	25.4	30.4
697	463			-	-	-	-	-	-	-	-	-	-	-	23.0	28.6	30.1
1240	822	1801S	18.0 x 1S-SF	-	-	-	-	-	-	-	-	-	-	16.8	22.3	23.7	28.8
620	411			-	-	-	-	-	-	-	-	-	-	-	21.1	27.4	28.3
1115	740	2001S	20.0 x 1S-SF	-	-	-	-	-	-	-	-	-	-	-	20.5	22.0	27.0
558	370			-	-	-	-	-	-	-	-	-	-	-	-	24.9	26.4

Refer to table on page D1-53 for additional belts available.

## Selection Charts

### MCS-13-Y (4836V BELT)

DRIVEN SPEED		PRODUCT NUMBER	GROOVED COMPANION SHEAVE	CENTER DISTANCE IN INCHES AT MAXIMUM AND MINIMUM SPEEDS										
1750 RPM Motor	1160 RPM Motor			VARIABLE SPEED V-BELT PART NUMBER										
				4836V 670	4836V 710	4836V 800	4836V 850	4836V 900	4836V 950	4836V 1000	4836V 1060	4836V 1120	4836V 1180	4836V 1250
2231	1479	<b>1001Y</b>	†10.0 x 1Y-F	15.6	17.6	22.1	24.6	27.1	29.6	32.1	35.1	38.1	41.1	44.6
1117	740			20.6	22.6	27.1	29.6	32.1	34.6	37.1	40.1	43.1	46.1	49.6
2028	1345	<b>1101Y</b>	†11.0 x 1Y-F	14.8	16.8	21.3	23.8	26.3	28.8	31.3	34.3	37.3	40.3	43.8
1015	673			19.7	21.7	26.3	28.8	31.3	33.8	36.3	39.3	42.3	45.3	48.8
1859	1233	<b>1201Y</b>	12.0 x 1Y-F	14.1	16.1	20.6	23.1	25.6	28.1	30.6	33.6	36.6	39.6	43.1
930	617			18.9	20.9	25.4	27.9	30.4	33.0	35.5	38.5	41.5	44.5	48.0
1594	1056	<b>1401Y</b>	14.0 x 1Y-F	-	14.5	19.0	21.5	24.0	26.5	29.0	32.0	35.0	38.0	41.5
798	529			-	19.1	23.7	26.2	28.7	31.3	33.8	36.8	39.8	42.8	46.3
1395	924	<b>1601Y</b>	16.0 x 1Y-F	-	-	17.3	19.9	22.4	24.9	27.4	30.4	33.4	36.4	39.9
698	463			-	-	21.9	24.5	27.0	29.5	32.1	35.1	38.1	41.1	44.7
1240	822	<b>1801Y</b>	18.0 x 1Y-F	-	-	-	18.2	20.7	23.2	25.7	28.7	31.8	34.8	38.3
620	411			-	-	-	22.6	25.2	27.8	30.3	33.4	36.4	39.4	43.0
1116	740	<b>2001Y</b>	20.0 x 1Y-F	-	-	-	-	18.9	21.5	24.0	27.0	30.1	33.1	36.6
558	370			-	-	-	-	23.3	25.9	28.5	31.5	34.6	37.7	41.2
930	616	<b>2401Y</b>	24.0 x 1Y-F	-	-	-	-	-	-	20.4	23.5	26.6	29.6	33.2
465	308			-	-	-	-	-	-	24.6	27.7	30.9	34.0	37.6
744	493	<b>3001Y</b>	30.0 x 1Y-F	-	-	-	-	-	-	-	-	-	23.9	27.6
372	247			-	-	-	-	-	-	-	-	-	-	28.0

† This companion sheave only recommended for 30 HP @ 1750 RPM & 20 HP @ 1160 RPM.

### MCS-14-Y (4836V BELT)

DRIVEN SPEED		PRODUCT NUMBER	GROOVED COMPANION SHEAVE	CENTER DISTANCE IN INCHES AT MAXIMUM AND MINIMUM SPEEDS										
1750 RPM Motor	1160 RPM Motor			VARIABLE SPEED V-BELT PART NUMBER										
				4836V 670	4836V 710	4836V 750	4836V 850	4836V 900	4836V 950	4836V 1000	4836V 1060	4836V 1120	4836V 1180	4836V 1250
2450	1624	<b>1001Y</b>	†10.0 x 1Y-F	14.5	16.5	18.6	23.6	26.1	28.6	31.1	34.1	37.1	40.1	43.6
1225	812			20.1	22.1	24.1	29.1	31.6	34.1	36.6	39.6	42.6	45.6	49.1
2227	1476	<b>1101Y</b>	†11.0 x 1Y-F	13.8	15.8	17.8	22.8	25.3	27.8	30.3	33.3	36.3	39.3	42.8
1114	738			19.3	21.3	23.3	28.3	30.8	33.3	35.8	38.8	41.8	44.8	48.3
2042	1353	<b>1201Y</b>	†12.0 x 1Y-F	-	15.0	17.0	22.1	24.6	27.1	29.6	32.6	35.6	38.6	42.1
1021	677			-	20.4	22.4	27.5	30.0	32.5	35.0	38.0	41.0	44.0	47.5
1750	1160	<b>1401Y</b>	14.0 x 1Y-F	-	-	15.5	20.5	23.0	25.5	28.0	31.0	34.0	37.0	40.5
875	580			-	-	20.7	25.8	28.3	30.8	33.3	36.4	39.4	42.4	45.9
1531	1015	<b>1601Y</b>	16.0 x 1Y-F	-	-	-	18.9	21.4	23.9	26.4	29.4	32.4	35.4	38.9
766	508			-	-	-	24.0	26.5	29.1	31.6	34.6	37.7	40.7	44.2
1361	902	<b>1801Y</b>	18.0 x 1Y-F	-	-	-	17.3	19.8	22.3	24.8	27.8	30.8	33.8	37.3
681	451			-	-	-	22.2	24.8	27.3	29.9	32.9	36.0	39.0	42.5
1225	812	<b>2001Y</b>	20.0 x 1Y-F	-	-	-	-	18.1	20.6	23.1	26.1	29.2	32.2	35.7
613	406			-	-	-	-	22.9	25.5	28.1	31.1	34.2	37.2	40.8
1021	677	<b>2401Y</b>	24.0 x 1Y-F	-	-	-	-	-	-	-	22.6	25.7	28.7	32.3
510	338			-	-	-	-	-	-	-	27.3	30.5	33.6	37.2
816	541	<b>3001Y</b>	30.0 x 1Y-F	-	-	-	-	-	-	-	-	-	23.1	26.8
408	270			-	-	-	-	-	-	-	-	-	-	27.6

† This companion sheave only recommended for 50 HP @ 1750 RPM & 30 HP @ 1160 RPM.

Refer to table on page D1—53 for additional belts available.

## Selection Charts

### MCS-15-Y (4836V BELT)

DRIVEN SPEED		PRODUCT NUMBER	GROOVED COMPANION SHEAVE	CENTER DISTANCE IN INCHES AT MAXIMUM AND MINIMUM SPEEDS									
1750 RPM Motor	1160 RPM Motor			VARIABLE SPEED V-BELT PART NUMBER									
				4836V 710	4836V 750	4836V 850	4836V 900	4836V 950	4836V 1000	4836V 1060	4836V 1120	4836V 1180	4836V 1250
2625	1740	<b>1001Y</b>	†10.0 x 1Y-F	15.7	17.7	22.7	25.2	27.8	30.3	33.3	36.3	39.3	42.8
1750	1160			19.8	21.8	26.8	29.3	31.8	34.3	37.3	40.3	43.3	46.8
2386	1582	<b>1101Y</b>	†11.0 x 1Y-F	14.94	17.0	22.0	24.5	27.0	29.5	32.5	35.5	38.5	42.0
1590	1054			19.0	21.0	26.0	28.5	31.0	33.5	36.5	39.5	42.5	46.0
2188	1450	<b>1201Y</b>	†12.0 x 1Y-F	-	16.2	21.2	23.8	26.3	28.8	31.8	34.8	37.8	41.3
1458	967			-	20.2	25.2	27.7	30.2	32.7	35.7	38.7	41.7	45.2
1875	1242	<b>1401Y</b>	14.0 x 1Y-F	-	-	19.7	22.2	24.7	27.2	30.2	33.2	36.2	39.7
1250	828			-	-	23.6	26.1	28.6	31.1	34.1	37.1	40.1	43.6
1640	1088	<b>1601Y</b>	16.0 x 1Y-F	-	-	18.2	20.6	23.2	25.6	28.6	31.7	34.6	38.2
1094	725			-	-	21.9	24.4	26.9	29.4	32.4	35.4	38.5	42.0
1458	967	<b>1801Y</b>	18.0 x 1Y-F	-	-	-	19.0	21.5	24.0	27.0	30.0	33.0	36.5
972	644			-	-	-	22.7	25.2	27.7	30.8	33.8	36.8	40.3
1313	870	<b>2001Y</b>	20.0 x 1Y-F	-	-	-	-	19.9	22.4	25.4	28.4	31.4	34.9
875	580			-	-	-	-	23.4	26.0	29.0	32.1	35.1	38.6
1094	725	<b>2401Y</b>	24.0 x 1Y-F	-	-	-	-	-	-	21.9	25.0	28.0	31.5
729	483			-	-	-	-	-	-	25.3	28.4	31.5	35.1
875	580	<b>3001Y</b>	30.0 x 1Y-F	-	-	-	-	-	-	-	-	-	26.1
583	386			-	-	-	-	-	-	-	-	-	-

† This companion sheave only recommended for 75 HP @ 1750 RPM & 50 HP @ 1160 RPM.

Refer to table on page D1—53 for additional belts available.