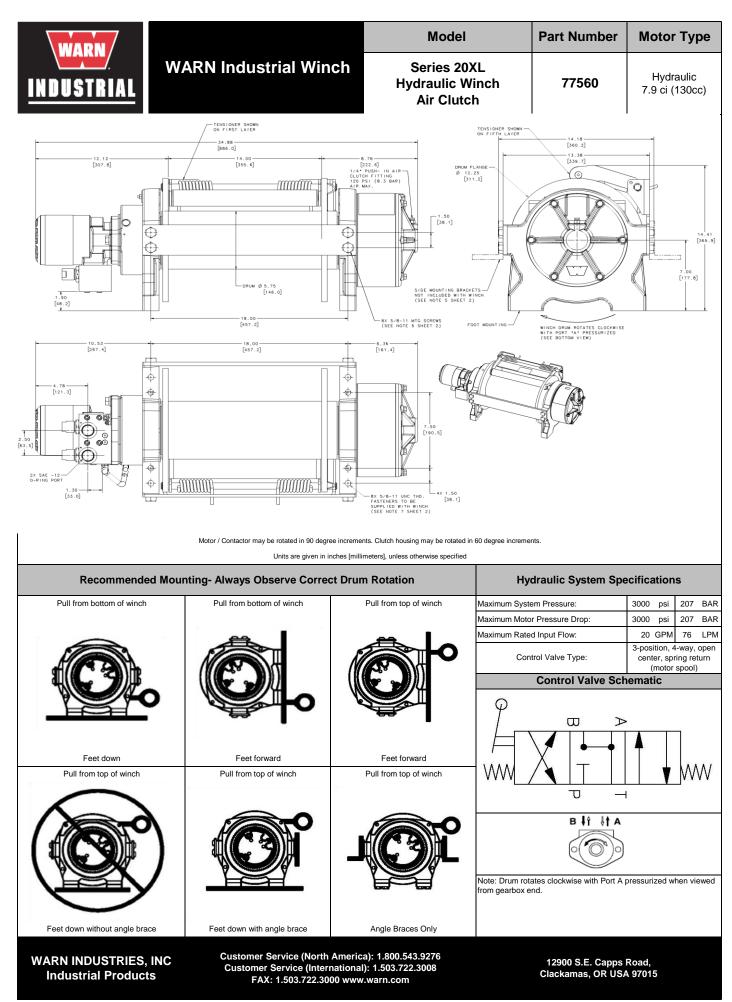
WARN /	7							Model		Part Numbe	er Motor Typ
INDUSTRI		WARN Industrial Winch						Series 20XL Hydraulic Winch Air Clutch		77560	Hydraulic 7.9 ci (130co
							high effici with a per superior i are also a tension p mounting Warn Ser	iency hydrau rmanently lu ntermittent- available wit late is stand options to f	lic motor, an bricated and duty performa h manual or a lard along wit it a variety of hes are not s	nd a robust 2X rated hardened 2-stage p ance for loads up to air clutches and 2 d	ration and a variety
							Accessories				
							Wire Rop	SRS-XL-LOI	9/16"x245' E	Part Numb 77869 EIPS 77452 80858	ber
	ing Data					Drum Rotation			Standards Compliance		
ated Pulling Force:		20000	lbi	f	9072	kgf				Com	pliance
rum Barrel Diameter:	Barrel Diameter: 5.75		in			mm				1SAE J706 2CE Machinery Direct	ctive 98/37/EC and
orum Flange Diameter:		12.25 in			311 mm		_			2006/42/EC	
listance Between Flanges:		14 in			356 mm						
ecommended Maximum Wire Rope Diameter: ecommended Minimum Wire Rope Breaking Strength:		9/16 in 33600 lbf			14.3 mm 15241 kaf						
pproximate Shipping Weight:		33600 Ibi 322 Ib			15241 kgf 146 kg			119			
uty Cycle (intermittent per SAE J706 section 6.2):		2760 ft			841.2 m						
ounting Bolt Torque:		159 ft*lbf			216 N*m			F	j		
aximum Layers of Wire Re	ope:			5			_				
ear Reduction:		28.5:1				-					
ake Type:		Spring Applied Disk				Viewed from Motor End					
ontactor / Remote Type:				N/A							
	Performance	e By Lay	/er- 9/	/16" (14	4.3 mm)	dia. ro	ре				
	Line Load	*		Line Speed 15 GPM		Line Spee	ed 20 GPM	Drum C	Capacity	60.0	
Drum Layer		kgf	kN	ft/min	m/min	ft/min	m/min	ft	m	20	GPM
Drum Layer	lbf		89.0	22.8	6.9	28.5	8.7	36	11.0	40.0	
1	20000	9072		00.0	0.0						
1 2	20000 16975	7700	75.5	26.9 31.0	8.2	33.5 38.6	10.2	79	24.1	a t	15 GPM
1 2 3	20000 16975 14745	7700 6688	75.5 65.6	31.0	9.4	38.6	11.8	129	39.3	20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	15 GPM
1 2 3 4	20000 16975 14745 13032	7700	75.5 65.6 58.0		9.4 10.7	38.6 43.7	11.8 13.3	129 185	39.3 56.4	Line	15 GPM
1 2 3 4 5	20000 16975 14745 13032 11676	7700 6688 5911 5296	75.5 65.6 58.0 51.9	31.0 35.0 39.1	9.4 10.7 11.9	38.6	11.8	129	39.3	20.0 e: 0.0 1 2	15 GPM
1 2 3 4 5	20000 16975 14745 13032 11676 Pulling Force. Installation of a	7700 6688 5911 5296	75.5 65.6 58.0 51.9 city Limit	31.0 35.0 39.1 ter is recor	9.4 10.7 11.9 mmended.	38.6 43.7	11.8 13.3	129 185	39.3 56.4	. 0.0	
1 2 3 4 5 lever exceed the Rated F	20000 16975 14745 13032 11676 Pulling Force. Installation of a	7700 6688 5911 5296 Rated Capa First La	75.5 65.6 58.0 51.9 city Limit	31.0 35.0 39.1 ter is recor	9.4 10.7 11.9 mmended. ance	38.6 43.7 48.8	11.8 13.3	129 185 248	39.3 56.4	. 0.0	3 4
1 2 3 4 5 ever exceed the Rated F	20000 16975 14745 13032 11676 Pulling Force. Installation of a	7700 6688 5911 5296 Rated Capa First La	75.5 65.6 58.0 51.9 city Limit	31.0 35.0 39.1 ter is recor	9.4 10.7 11.9 mmended. ance	38.6 43.7 48.8 Pres	11.8 13.3 14.9	129 185 248	39.3 56.4 75.6	0.0 1 2	3 4 Layer
1 2 3 4 5 lever exceed the Rated P Line	20000 16975 14745 13032 11676 Pulling Force. Installation of a	7700 6688 5911 5296 Rated Capa First La Pres	75.5 65.6 58.0 51.9 city Limit yer Possure Dr	31.0 35.0 39.1 ter is recor	9.4 10.7 11.9 nmended. ance GPM	38.6 43.7 48.8 Pres	11.8 13.3 14.9	129 185 248 tt 20 GPM	39.3 56.4 75.6 Duty Cycle	0.0 1 2 3000 32250 20 GPM	3 4 Layer
1 2 3 4 5 lever exceed the Rated P Line Ibf	20000 16975 14745 13032 11676 Pulling Force. Installation of a Load kgf	7700 6688 5911 5296 Rated Capa First La Pres	75.5 65.6 58.0 51.9 city Limin yer Po ssure Dr si	31.0 35.0 39.1 ter is recor	9.4 10.7 11.9 mmended. ance BAR	38.6 43.7 48.8 Pres	11.8 13.3 14.9 sure Drop a	129 185 248 t 20 GPM BAR	39.3 56.4 75.6 Duty Cycle min/10min	0.0 1 2 3000 3000 3000 2250 20 GPM 0 1500	3 4 Layer
1 2 3 4 5 lever exceed the Rated P Line Ibf 0	20000 16975 14745 13032 11676 Pulling Force. Installation of a Load kgf 0	7700 6688 5911 5296 Rated Capa First La Pres 81 81 12	75.5 65.6 58.0 51.9 city Limit yer Po ssure Dr si	31.0 35.0 39.1 ter is recor erform op at 15 0	9.4 10.7 11.9 nmended. ance BAR 60.0	38.6 43.7 48.8 Pres	11.8 13.3 14.9 sure Drop a osi	129 185 248 at 20 GPM BAR 72.7	39.3 56.4 75.6 Duty Cycle min/10min N/A	0.0 1 2 3000 3000 3000 2250 20 GPM 0 1500	3 4 Layer
1 2 3 4 5 ever exceed the Rated P Line Ibf 0 5000	20000 16975 14745 13032 11676 Pulling Force. Installation of a Load kgf 0 2268	7700 6688 5911 5296 Rated Capa First La Pree P 87 12 18	75.5 65.6 58.0 51.9 city Limin yer Po ssure Dr si 70 556	31.0 35.0 39.1 ter is recor erform op at 15 0	9.4 10.7 11.9 mmended. ance SPM BAR 60.0 86.6	38.6 43.7 48.8 Pres F 10 10 15 20	11.8 13.3 14.9 sure Drop a 055 500	129 185 248 t 20 GPM BAR 72.7 103.4	39.3 56.4 75.6 Duty Cycle min/10min N/A N/A	0.0 1 2 3000 32250 20 GPM	3 4 Layer
1 2 3 4 5 lever exceed the Rated F Line Ibf 0 5000 10000	20000 16975 14745 13032 11676 Pulling Force. Installation of a Load kgf 0 2268 4536	7700 6688 5911 5296 Rated Capa First La Pres P 87 12 18 24	75.5 65.6 58.0 51.9 city Limit yer Po ssure Dr ssi 70 556	31.0 35.0 39.1 ter is recor erform rop at 15 (9.4 10.7 11.9 nmended. ance BAR 60.0 86.6 127.9	38.6 43.7 48.8 Pres F 10 15 20 26	11.8 13.3 14.9 sure Drop a vsi 555 560 070	129 185 248 t 20 GPM BAR 72.7 103.4 142.7	39.3 56.4 75.6 Duty Cycle min/10min N/A N/A N/A	0.0 1 2 3000 (is) 2250 20 GPA do 1500 0 5000	3 4 Layer 15 GPM 10000 15000 20
1 2 3 4 5 lever exceed the Rated F Line Ibf 0 5000 10000 15000	20000 16975 14745 13032 11676 Pulling Force. Installation of a Load kgf 0 2268 4536 6804	7700 6688 5911 5296 Rated Capa First La Pres P 87 12 18 24	75.5 65.6 58.0 51.9 city Limit yer Po ssure Dr si 70 56 55 70	31.0 35.0 39.1 ter is recor erform rop at 15 (9.4 10.7 11.9 mmended. ance BAR 60.0 86.6 127.9 170.3	38.6 43.7 48.8 Pres F 10 15 20 26	11.8 13.3 14.9 sure Drop a osi 555 560 070 330	129 185 248 t 20 GPM BAR 72.7 103.4 142.7 181.3	39.3 56.4 75.6 Duty Cycle min/10min N/A N/A N/A N/A	0.0 1 2 3000 (is) 2250 20 GPA do 1500 0 5000	3 4 Layer



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