



A TUCKER AUTO-MATION HOLDINGS COMPANY

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TUCKER ZAP

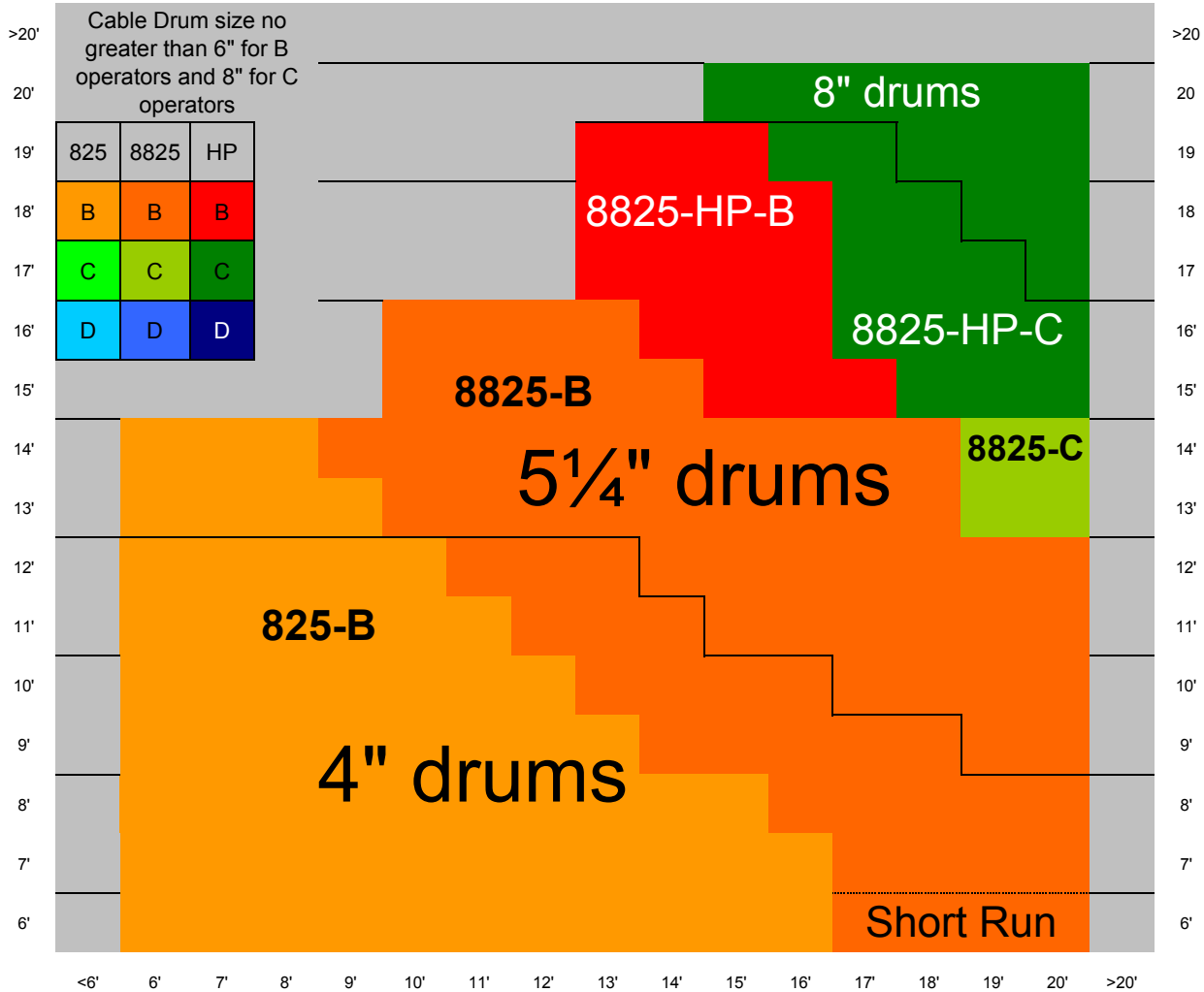
ZAP OPERATOR SIZING CHARTS



Tucker ZAP PATENT NUMBER / TITLE / REGISTRATION DATE:


USA 8,182,381 | Drive arrangement | May 22, 2012
USA 8,115,438 | Aperture closure member control arrangements | Feb. 14, 2012
USA 8,033,374 | Drive arrangement | Oct. 11, 2011
USA 7,633,253 | Control and monitoring arrangements for an aperture closure member | Dec. 15, 2009
USA 7,437,971 | Drive arrangement | Oct. 21, 2008
USA 7,333,308 | Control arrangement | Feb. 19, 2008
USA 7,005,884 | Monitoring apparatus for monitoring electrical drive current for an electric motor | Feb. 28, 2006
USA 6,188,198 | Aperture closures | Feb. 13, 2001


Mexico 243645 | Aparato de monitoreo | Feb. 6, 2007
Canada 2445152 | Monitoring apparatus | June 25, 2013
Canada 2440772 | Control arrangement | June 21, 2011
Canada 2560530 | Drive arrangement | May 21, 2013
Canada 2641641 | Aperture closures | April 26, 2011
Canada 2445123 | Drive arrangement | Feb. 16, 2010
Canada 2338191 | Aperture closures | Dec. 30, 2008

Standard lift and low headroom doors from 6' by 6' to 20' by 20'

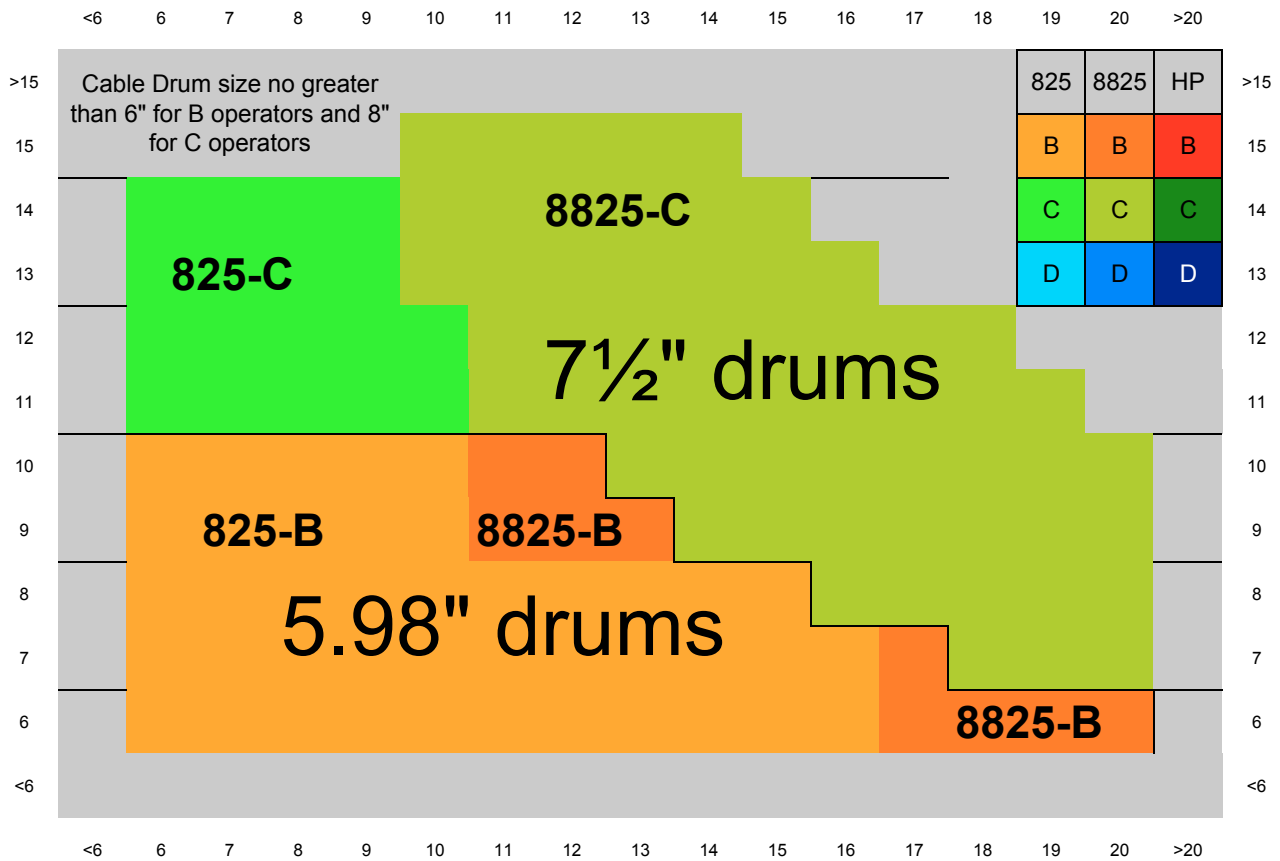


4" drums	Part No	Max height	Max weight	Bore	
SSC	180	98" / 8'2"	530lb	1"	
Apco	400-8				
Torque force	D400-96				
DNS	4X-8				
OMI	OMI-8				
Torque Force	D400-123	125"/10'5"	750lb	1"	
SSC	181				
Apco	400-12				
Torque force	D400-144				
DNS	4-13				
OMI	OMI-12				

5 1/4" drums	Part No	Max height	Max weight	Bore	
SSC	183	231"/19'3"	1500lb	1"/1 1/4"	
Apco	5250-18				
Torque force	D5250-216				
DNS	5-18				
OMI	OMI-18				

8" drums	Part No	Max height	Max weight	Bore	
SSC	185/186	389"/32'5"	2000lb	1"/1 1/4"	
Apco	800-32				
Torque force	D800-384				
DNS	402-32				
OMI	OMI-32				

High lift doors up to 54" from 6' by 6' to 20' by 10' and 14' by 15'



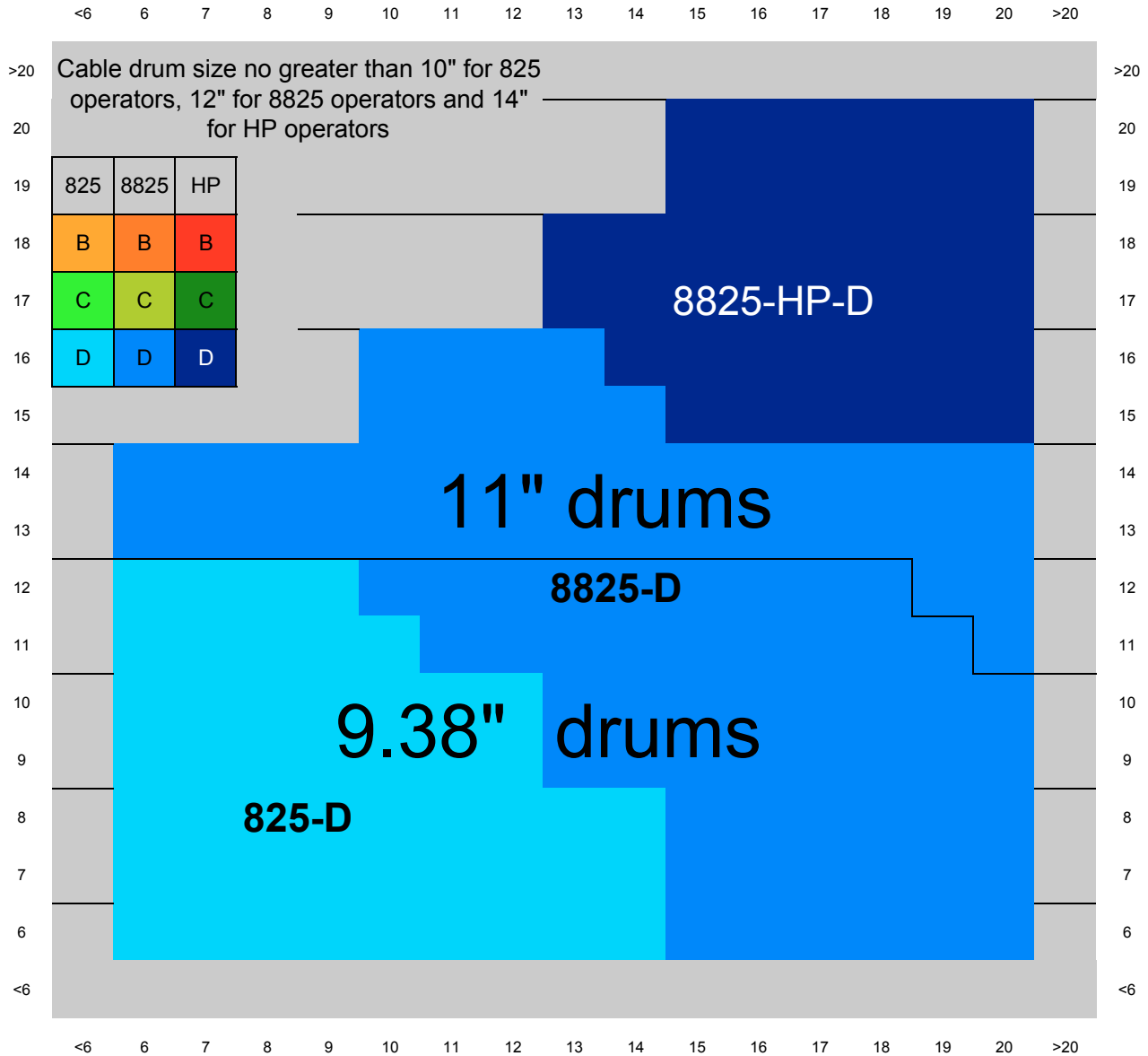
5.98" drums	Part No	Diameter across flats	Maximum lift	Max height	Max weight	Bore
SSC	190	4"	54"	120"/10'	550lb	1"
Apco	400-54					
Torque force	D400-54					
DNS	54-LC					
OMI	54HL-LD					



7 1/2" drums	Part No	Diameter across flats	Maximum lift	Max height	Max weight	Bore
SSC	191	5 1/4"	54"	180"/15'	1000lb	1"
Apco	5250-54					
Torque force	D525-54					
DNS	54					
OMI	54-HL					



High lift (over 54") doors from 6' by 6' to 20' by 20'



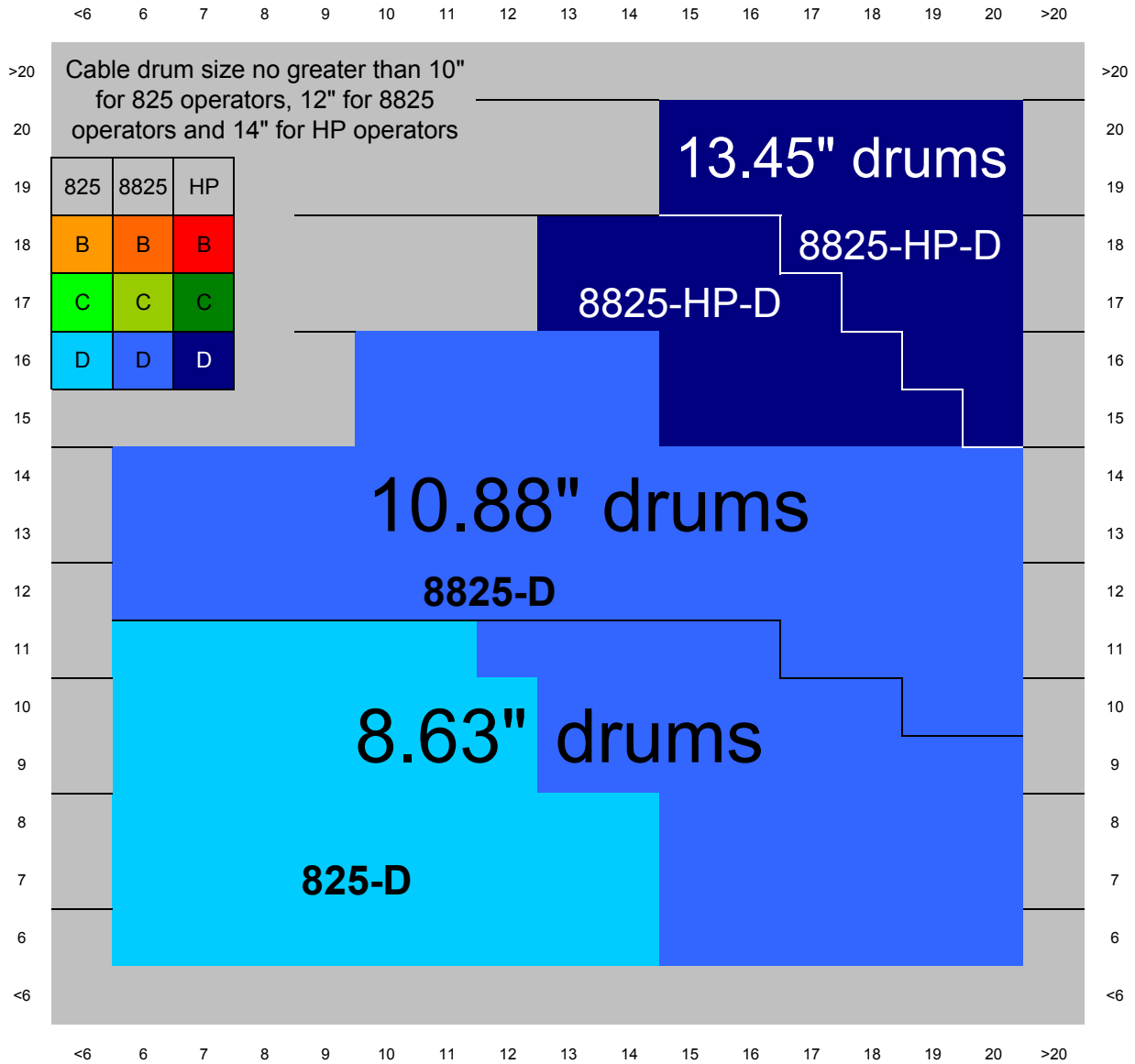
9.38" drums	Part No	Diameter across flats	Maximum lift	Max height	Max weight	Bore
SSC	192	5 3/4"	120"/10'	144"/12'	1000lb	1"/1 1/4"
Apco	5750-120					
Torque force	D575-120					
DNS	120					
OMI	120-HL					





11" drums	Part No	Diameter across flats	Maximum lift	Max height	Max weight	Bore
SSC	195/196	6 3/8"	164"/13'8"	240"/20'	1600lb	1"/1 1/4"
Apco	6375-164					
Torque force	D6375-164					
DNS	410-164					
OMI	164-HL					
Torque force	D800-120	8"	120"/10'	265"/22'1"	2200lb	




Vertical lift doors from 6' by 6' to 20' by 20'



8.63" drums	Part No	Max height	Max weight	Bore	
SSC	200	132"/11'	850lb	1"	
Apco	850-11				
Torque force	D850-132				
DNS	143-11				
OMI	11-VL				

10.88" drums	Part No	Max height	Max weight	Bore	
SSC	201	219"/18'3"	1000lb	1"/1¼"	
Apco	1100-18				
Torque force	D100-216				
DNS	236-18				
OMI	18-VL				

13.45" drums	Part No	Max height	Max weight	Bore	
SSC	202	336"/28'	2200lb	1"/1¼"	
Apco	1350-28				
Torque force	D1350-336				
OMI	28-VL				