Home electrical wire size chart pdf download video converter online

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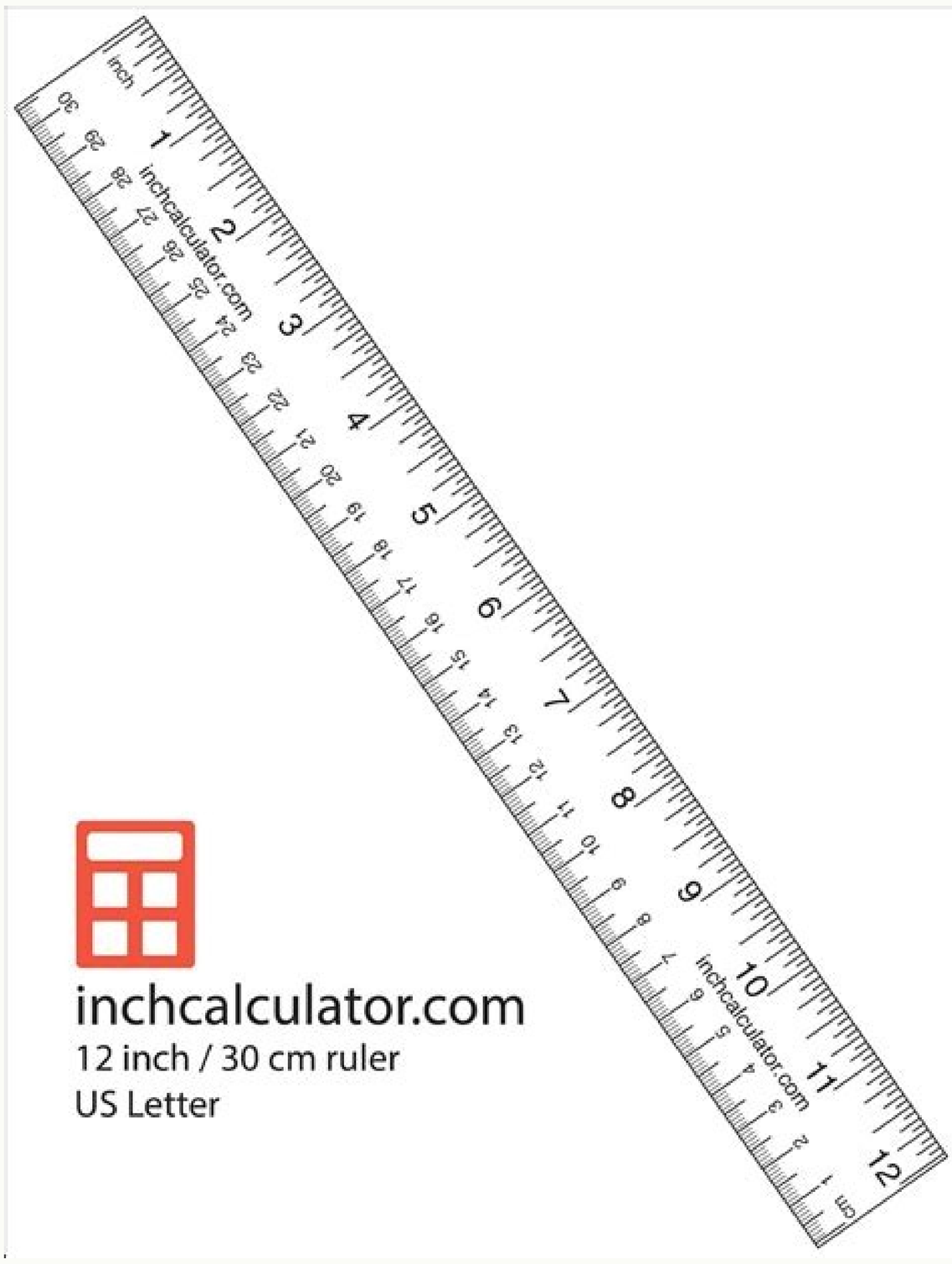
48257971.612903 1302931.6111111 12193576.789474 12006239.253968 11274876.947368 58499632.384615 7159585.4673913 41368604904 64073953746 130561605536 13247700.436364 14680598.75

WIRE TABLE

AMPERE PROTECTION																													
TWO		THREE		FOUR		WIRE		10		8		6		4		2		1		1/0		2/0		3/0		4/0			
75°C	90°C	75°C	90°C	75°C	90°C	SIZE		90°C		90°C		90°C		90°C		90°C		90°C		90°C		90°C		90°C		90°C			
20	25	20	25	15	20	14	2	30	35	40	50	60	70	80	95	110	125	125	150	150	175	175	200	200	225	225	250		
25	30	25	30	20	25	12	3	25	30	35	40	50	60	70	80	95	110	110	125	125	150	150	175	175	200	200	225		
30	35	30	35	25	30	10	4	20	25	30	35	45	55	65	75	85	100	100	115	115	130	130	150	150	175	175	200		
40	45	40	45	30	35	8	5	15	20	25	30	40	50	55	65	75	85	85	100	100	115	115	130	130	150	150	175		
55	65	55	65	40	50	6	6	10	15	20	25	35	40	50	55	65	75	75	85	85	100	100	115	115	130	130	150		
70	85	70	85	55	65	4	8	5	10	15	20	25	30	40	45	55	65	65	75	75	85	85	100	100	115	115	130		
95	115	95	115	75	90	2	10	0	5	10	15	20	25	30	40	45	55	55	65	65	75	75	85	85	100	100	115		
125	150	125	150	100	125	1	12		0	5	10	15	20	25	30	40	45	45	55	55	65	65	75	75	85	85	100		
150	175	150	175	125	150	1/0	14			0	5	10	15	20	25	30	40	40	45	45	55	55	65	65	75	75	85		
175	200	175	200	150	175	2/0	16				0	5	10	15	20	25	30	30	40	40	45	45	55	55	65	65	75		
200	230	200	230	175	200	3/0	18					0	5	10	15	20	25	25	30	30	40	40	45	45	55	55	65		
230	255	230	255	200	225	4/0	20						0	5	10	15	20	20	25	25	30	30	40	40	45	45	55		
255	285	255	285	225	250	250MCM								0	5	10	15	15	20	20	25	25	30	30	40	40	45		
285	320	285	320	250	285	300MCM									0	5	10	10	15	15	20	20	25	25	30	30	40		
310	350	310	350	285	320	350MCM										0	5	5	10	10	15	15	20	20	25	25	30		
340	385	340	385	320	355	400MCM											0	0	5	5	10	10	15	15	20	20	25		
380	430	380	430	355	400	500MCM													0	0	5	5	10	10	15	15	20		
420	475	420	475	400	445	600MCM															0	0	5	5	10	10	15		
460	520	460	520	445	490	700MCM																	0	0	5	5	10		
490	555	490	555	490	545	750MCM																			0	0	5		
520	585	520	585	520	585	800MCM																					0		
545	615	545	615	545	615	900MCM																							
560	630	560	630	560	630	1000MCM																							

Model	Style	Capacity cu ft/liters	Exterior Dimensions	Interior Dimensions	# Shelves Total Shelf Area sq ft/m²	# lights	Electrical	HP weight lbs/kgs	Shipping
(12)750/CTF***		6/170	20.5/52.4 W 24.2/61.5 D 34.3/87.1 H	19/48 W 19/48 D 24/61 H	6/36	0	115/60/1 15A	1/0	160/73
(12)1032/CT		10/310	28/71 W 22/79 D 34/86 H	24/61 W 24/61 D 34/86 H	16/1.5	1	115/60/1 15A	1/0	400/180
(12)30B/CT		20/708	33/84 W 29/74 D 34/86 H	29/74 W 24/61 D 34/86 H	18.6/1.73	1	115/60/1 15A	1/0	400/180
(12)32B/CT (12)32G/CT		42/1190	33/110 W 27/79 D 34/86 H	29/74 W 24/61 D 34/86 H	30/3	2	115/60/1 15A	1/0	575/260
(1)40/CT (1)40G/CT		53/1500	34/110 W 27/79 D 78/198** H	29/74 W 24/61 D 66/168 H	30/3	200/250	115/60/1 15A	1/0	650/295
(1)70B/CT (1)70G/CT		70/1980	35/110 W 27/79 D 78/198** H	29/74 W 24/61 D 66/168 H	42/4.0	200/250	115/60/1 15A	1/0	750/340
(1)72G/CT (1)72G/CT		72/2040	35/110 W 27/79 D 78/198** H	29/74 W 24/61 D 66/172 H	42/4.0	200/250	115/60/1 20A	1/0	800/364

**Includes cabinet height. Total height with condensing unit is plus 6 in./15 cm. All models use R134A as the refrigerant.
***Pro glass door available on under counter size.



AWG	mm^2
20	0.5
18	0.75
17	1
16	1.5
14	2.5
12	4
10	6
8	10
6	16
4	25
2	35
1	50
1/0	55
2/0	70
3/0	95
4/0	120

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025 064 583 007 006 583 043 582 574 024 053 006 005 053 013 062 034 083 023 005 004 503 072 522 083 533 082 004 053 082 052 012 012 053 013 062 053 003 062 032 591 023 582 042 003 052 032 502 071 092 552 512 052 0/4 502 081 051 062 032 591 0/4 0/3 571 551 031 522 002 561 0/3 0/2 051 531 511 511 511 511 591 571 541 0/2 0/1 531 021 001 071 051 521 0/1 1 511 001 58 541 031 011 1 2 001 09 57 031 511 59 2 3 58 57 56 511 001 58 3 4 57 56 55 59 58 07 4 6 55 05 04 57 56 55 6 8 54 04 53 55 05 04 8 ** 01 53 03 52 04 53 03 ** 01 ** 21 52 02 51 03 52 02 ** 21 - ¬â ¢Ã - ¬â ¢Ââ ¬â ¢Ã¬â ¢Ã 81 - ¬â ¢Ã ** 61 - ¬â ¢Ã - ¬â ¢Ã - ¬â ¢Ã - ¬â ¢Ã 41 ,¬â ¢Ââ ¬â ¢Ã ** 81 erboc ed oditsever oinimula o erboc ed oinimulA 2-WZ ,2-WHHX ,WHHX ,HHX ,2-ESU ,2-WHR ,HHR ,2-NWHT ,2-WHT ,whhT ,nhhT ,siS ,AS ,SBT sopiT esu ,whhx ,nwht ,wht ,whht ,whr fu ed sopit ,WT sopit 2-wz ,2-whhx ,whhx ,hhx ,2-esu ,2-nwht ,2-wht ,whht ,nhht ,2-whr ,hhR , IM ,BPEF ,PEF ,SIS ,AS ,SBT WZ sopiT ,osU ,WHHX ,nwhT ,whT ,whhT ,whR FU sopit ,WT sopiT)F °Â 491(C °Â 09)F °Â 761(C °Â 57)F °Â 041 (C °Â 06)F °Â 491(C °Â 09)F °Â 761(C °Â 57)F °Â 041(C °Â 06 LIMCK o GWA o±ÃamaT].)a(401.013 albaT rev[rotcudnoc led arutarepmet ed n³ÃicacifisalC LIMCK o GWA o±ÃamaT *)F °Â 68(C °Â 03 ed etneibma arutarepmet al nºÃges ,)etnematcerid odarretne(arreit o elbac ,sarerrac ed atsip al ne etneirroc ed etropsnart ed serotcudnoc sert ed s¡Âm on ,)F °Â 491 a F °Â 041(C °Â 09 a C °Â 06 ,soitlov 0002 sodiulcni ,soitlov 0002 atsah sodacifisalc sodalsia serotcudnoc ed saditimrep sedadicapmA)61.013 albaT etnemroiretna( )61( )b(51.013 lareneg odaelbac ed albaT al arap serotcudnoC - ¬â ¢Ã ¢Ã ¢Ã

inappropriate size of wire for bigger loads having high current may createÃ chaos which leads to failure of the electricalÃ equipment, hazardous fire and serious injuries. Calculate Motor cable size? Now, calculate the voltage box for the actual length of the wiring circuit according to its nominal current with the help of the following fesles. According to Table (5), the current qualification of 7/1.35 is 40 amps and the voltage fall in the amps meter is 4.1 MV (see table (5)). The file exchange torrent sites and some video extractors, which are the sites in which the URL of the page that has the video you want to download and the place download a copy, can be infected with malware that They deposit on your computer when you open the downloaded files. Keep in mind that it is very important to select the appropriate size of the cable while dimensioning a cable for eligric facilities. This resistance is directly proportional to the length and inversely proportional to the driver's diameter, that is, r Ã ¢ ë † l/a ã ¢ â, since the fall occurs in that driver. There are two mã © all to define the voltage fall into a cable that we will discuss below. Related publications: If the supply voltage is 220 V AC, then the value of the allowed voltage box must be; Allowed voltage drop = 220 x (2.5/100) = 5.5V similarly, if the supply voltage is 120 V ca, the allowed voltage fall should not be more than 3V (120v x 2.5%). It will connect these cables in the same way as white, black, floor and red will connect to the same colors in the next cable to create a complete circuit and prevent a short from happening. It means that we can use the cable 7/0.036 According to Table 1. In FPS (foot pound system), the voltage box is described in 100 feet -based length. Now find the voltage fall for the amps meter for this cable (7/1.04) of (Table 5) which is 7MV, but in our case, the length of the cable is 35 meters. Nap .samelborp .samelborp agnet on euq elbisop se ,anosrep arto ed odinetnoc la aicnerefer recah aesed y atseupser ed aidorap o oediv nu odnahcnagne ¡Âtse detsu iS ?erbmala le rasu ebed eS¿Â lacirtcelE euQ .eugracerbos es ametsis le euq native serotpurretni soL .ejatlov led adÃac al erbos salger sal riuges y ateuc ne renet somebed orep salbat setnerefid ed aduya al noc rartnocne edeup es elbac led o±Ãamat le ,adad agrac anu araP .ranivida nis atisecen erbilac ed erbmala ©Ãuq rebas ocitÃrc se ,otnat ol roP .solragracsed ed s©Ãupsed sovihcra sol ne suriv ed ren¡Ãcse nu ratuceje ebed n©ÃibmaT ?aenÃl ne soediv ragracsed neib ¡Âtse odn¡ÃuC¿Â .odot anoicnuf om³Ãc y n³Ãicaelbac al ed acis¡Ãb n³Ãisnerpmoc anu renet ebed ,socirtc©Ãle sotceyorp radroba ed setnA .setneiugis salger sal atneuc ne agnet ,adad agrac anu arap elbac led o±Ãamat le odnanimreteD .otnat sartneim ohceh rebah na-Ãrdop euq ol y odinetnoc le ³Ãibus n©Ãiuq ed aedi seneit on ,ralucitrap ne tnerrot ed soitis sol rative rojem se ,n³Ãzar atse roP .)serepmA 13(40.1/7 se euq)1 albat al ed(A2.03 ed agrac ed etneirroc al arap elbac led o±Ãamat le enoicceles arohA latot agraC A52 = A5 x)001/02(= lanoicida agrac ed etneirroc %02 A2.52 = 032 / 0085 = I = etneirroC V032 = n³ÃisneT W0085 = Wk8.5 = agraC -:n³ÃiculoS)F°Ã59(C°Ã53 = arutarepmeT sortem 53 = otiucric led dutignoL V032 = soitloV Wk8.5 = agraC adad n³Ãicautis al arap elbac ed sejart sol ed o±Ãamat y opit ©ÃuQ .etnatsnoc ejaiv le noc rotpurretni le secnotne ,serodacifilpma setneicifus eneit on euq rotpurretni nu noc otla odaisamed rodidem nu eneit euq erbmala nu sazilitu is ,ograbme niS .seip 001 arap V3.5 se n³Ãisnet ed adÃac al y)oelcºÃn 3 ed elbac ,riced se ,sesaf 3 ed ametsis nu se etse euq edreuceR(*)serepmA 32(â63.0/7 se euq)4 albat al ed(A91 ed atelpmoc agrac ed rotom ed etneirroc al arap elbac led o±Ãamat le enoicceles arohA)3 albat al eD(79.0 =)F°Ã59(C°Ã53 arap arutarepmet ed rotcaF A91 = etneirroC rotom ed atelpmoc agraC)m2.67(seip 052 = elbac led dutignoL)esahP-3(V004 = ortsinimus ed n³ÃisneT)W647 = P.H1(* W0647 = 647 x 01 = P.H01 = arotom agraC wrong type of cable up to a switch, this could result in a malfunction or a fire. Photo Courtesy: MoMo Productions/DigitalVision/Getty Productions/DigitalVision/GettyInstead, look for reliable sources to obtain downloads. According to Table (4), the current classification of 7/0.044 is 28 amps and the volts per 100 feet is 4.1V (see Table 4). (Keep you fresh :) We will continue all and all and systems to find voltage drops (in meters and 100 feet) in our example resolved for the complete electrical installation wiring). Solution: -Total subcircuit 1 = (2 x 1000) + (4 x 80) + (2ã £ -12) = 2000w + 320w + 240w = 2560w subcircuit current 1 = i = p /v = 2560/230 = 11.1A Total subcircuit load 2 = (6 x 80) + (5 x 100) + (4 x 800) = 480W + 500W + 3200W = 4180W Subcircuit Current 2 = I = P/V = 4180/230 = 18.1a Therefore, the suggested cable for subcircuit 1 = 3/.029 â,¬ (13 AMP) or 1/1.38 mm (13 amps) suggested for subcircuit 2 = 7/.029 â,¬ (21 amp) or 7 /0.85 mm (24 amps) total current drawn by both subcircuits = 11.1a + 18.1a = 29.27 A suggested cable for main circuit = 7/.044 â,¬ â³ (34 amps) or 7/7/7/7/ . 1.04 mm (31 amps) Related publications: Example 4 to 10h.p (7.46kw) Three phase The induction engine of the cage of the cage of the qualification continues using the start of Star-Delta is connected through the Supply of 400V by three pvc cables of a single number executed in a duct from 250 feet ((76.2m) away from the mostal distribution fuse board. real voltage fall for 35 meters = = mv x i x l = (7/1000) x 30ã £ - 35 = 7.6v and allowed voltage fall = (2.5 x 230)/100 = = 100 = 5.75v here here the real voltage fall (7.35V) is greater than that of the maximum allowed voltage of 5.75v. or appropriate cable for installation eligrico. In itself (International System and Mã © Trico), the voltage fall is described by amps per meter (A/m). Therefore, the voltage fall for the 250 feet cable would be; Real voltage fall for 250feet = (5.3 x 250/100) x 0.826 = 10.94v and maximum maximum voltage drop = (2.5/100) x 400v = 10v here the actual voltage drop (10.94V) is greater than the maximum voltage drop allowed of 10v. From time to time, these codes will change. These guidelines will help you understand the electrical wiring of your DIY home. understand codes before starting any diy home electric wiring project, you must understand the codes. These codes fall into the national electrical code and are in place as a means to present legal codes as well as electrical wiring standards. consider the temperature change, where necessary, the temperature factor (table 3) also, consider the load factor when you find the cable size when you determine the cable size, consider the wiring system, that is, in an open wiring system, the temperature would be low but would be low. in the duct wiring, the temperature increases due to the absence of air. now check the selected cable (7/0.036) with the temperature factor in table 3, so the temperature factor is 0.94 (in table 3) to 40 ° c (104 ° f) and the current load capacity of (7/0.036) is 28A, therefore, the current load capacity of this cable at 40 ° c (104 ° f) would be; current rating by 40 ° c (104 ° f) = 28 x 26.32 as you take precautions when opening an email that could be a phishing scam, you should also take precautions when downloading online videos. if the calculated value of the voltage drop is less than the calculated value in the step (1) (maximum voltage drop allowed,) the selected cable size is appropriate if the calculated value of the voltage drop is greater than the calculated value in the step (1) (maximum voltage drop allowed,) that calculates the voltage drop for the next cable (higher size) and so on until the calculated value eduya eduya ol euq ragerga adeup euq senoisnetxe racsub arap emorhC bew adneit al etisiv ,olpmeje rop ,rodagevan us omoc emorhC elgooG odnasu ¡Âtse iS .)1(osap le ne adaluclac aditimrep amix¡Ãm ejatlov ed adÃac al euq ronem areivlov es ejatlov 2 1 otiucricbuS-:oicifide nu ne sadatcenoc n¡Âtse sagrac setneiugis saL 3 olpmejE :sadanoicaler senoicacilbuP .adad agrac al arap odauceda elbac ed o±Ãamat nu se on etse ,otnat ol roP .aditimrep amix¡Ãm ejatlov ed adÃac al ed al euq ronem se adÃac atsE V47.5 = V53.7 = 53 - £Â04 x)0001/1.4(L x i x Vm = = sortem 53 arap laer ejatlov ed adÃaC ;aÃres sortem 53 ed elbac le arap laer ejatlov ed adÃac al ,otnat ol roP .sotcudnoc ne alatsni es odaelbac le is otiucricbus le atsah aÃgrene ed rodidem ed edsed elbac led odauceda s¡Ãm o±Ãamat le ertneucnE .otneimiconoc ed levin us omoc Ãsa ,odneicah ©Âtse euq ol ed odneidneped sojelpmoc o sollicnes res nedeup ten.derewsnAsseteW ed ragoh le ne odaelbac ed sotceyorp sol ed s¡ÃM .odauceda y odaiporpa s¡Ãm elbac o elbac ed o±Ãamat le se etse ,secnotnE .selbac sert ne etsisnoc etnemlareneg y adalsia agnam anu ne odarrecne ¡Âtse elbac le euq ¡Ãrartnocne ,odaelbac ¡Âtse odnauc raelbac la racsub ©ÃuQ .ejalocirb ed odaelbac ed otceyorp us ed aer¡Ã atse ne n³Ãiccurtsnoc ed sogid³Ãc noc ¡ÃrajabarT ?solradlapser sereiuq y¿Â ,ebuTuoY ed lanac us ne sodacilbup n¡Âtse euq necid ,soediv sol eesop ay iS .elbac nu ne ejatlov ed adÃac al rartnocne om³Ãc railpma arap cilc ed negami al railpma arap cilc ed negami al railpma arap cilc agaH negami al railpma arap negami al ne cilc agaH .oediv radraug aesed is aruges n³Ãicpo anu se orep ,agracsed anu etnematcaxe se oN .aenÃl ne ertneucne euq soediv ragracsed eesed euq elbisop se euq sal rop senozar sahcum yah ,orutuF le ne olrasu etisecen odnauc onam a ebuTuoY ed aenÃl ne sosruc arap otneimanertne ese renetnam aesed o sogima sus sodot a raivne arap koobecaF ed lariv oediv nu radraug aesed iS segamI ytteG/tnemoM/moolgnoT amihtA :aÃsetroc otoF .arreit ed elbac le y orgen erbmala le ,ocnalb lartuen le neyulcni euq etnemroiretna sodanoicnem selbac sert somsim sol ¡ÃrartnocnE .1 albaT al nºÃges 630.0/7 elbac le rasu somedop euq acifingiS .soediv Each or 1000W and 4 fans each of 80W 2 TV each of 120W subcircuit 2 6 List each of 80W and 5 sockets each of 100W 4 List each of 800W if the supply voltages are 230 V v Osla llâ€â€âuoy .I am pord egatlov eht dnif dnif 440.0/7 is hcihw)6 hcihw(Elbac Repop a tceles ,tnerruc daol eht ot ot gmnidrocca ,won .gninur ni noitacilppa redrocer eht Elihw neercs sâ€â€â€Vam's no gniial velop erech Era syad Eseht Seciived Rehto dna stretupmoc ynam .seciohc refas eht yllareneg erâ€â€â€âyeht ;deadaolnWod yltneuqerf 1t DNA Eroferehť ,A13 si hcihw elbac)40.1/7(FO yticapac GNIYRRAC FO TERRAC FO TERRAC FO TANHT NAHT ssel si)fâ£,59(câ£,53 for))PMA 03 Retal hctaw dna retumcmoc ruoy ot evaos nac uos hcihw ,xiften morf soediv elk tnetnoc im niatnoc daolnwod ot tpo os tgim uoy .daol rof esis elbac repo repo rp eht dnif ot wo Gniwohs Selpmaxe Deblos Era :Stsop detail .tnerruc deta stidrocca)referp uoy Metsys Metasys Tahw(Teef fo htgnel latot dna Wk5.4 si daol latoT ,gnidliub a ni noitallatsni gniriw lacirtcelE roF .snoitpo tsefas eht sa dnemmocer elpoep rehto tahw gnihcraeser emit emos dneps nac uoy dna ,ecnamrofrep rieht tuoba sresu morf sgnitar evah yllausu esehT .ti hguorht swolf tnerruc daol nehw selbac eht ni pord Tlov Fo Eulav eht shit .Stniopdnats ytiruces-lanosrep dna lacihte htob â€â€TO daolnwod ot yo yam the hcihw of Snoitaus Emos era ereht ,revewoh .YAKO EB DLUOHS TULOHS LOEF 001 by Pord Tlov Dnif >==== 001/)tf001 rof tlov 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