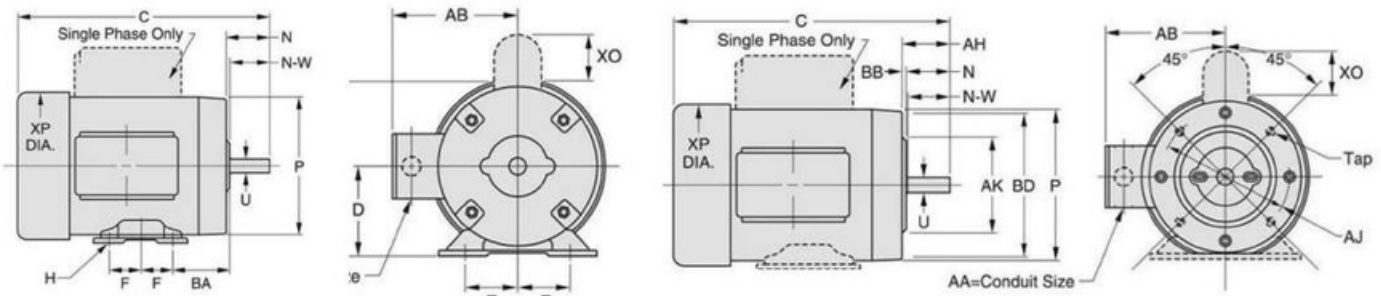


NEMA Quick Reference Motor Data



NEMA Frame Dimensions

NEMA* Frame	D	E	F	H	U	N-W	AH	AJ	AK	BA	BD	XO	TAP	KEY Size Sq.
42	2 5/8	1 3/4	27/32	9/32 SLOT	3/8	1 1/8	1 5/16	3 3/4	3	2 1/16	4 7/8	1 5/8	1/4-20(4)	3/64 FLAT
48	3	2 1/8	1 3/8	11/32 SLOT	1/2	1 1/2	1 11/16	3 3/4	3	2 1/2	5 1/2	2 1/4	1/4-20(4)	3/64 FLAT
56	3 1/2	2 7/16	1 1/2	11/32 SLOT	5/8	1 7/8	2 1/16	5 7/8	4 1/2	2 3/4	6 1/2	2 1/4	3/8-16(4)	3/16
56H			2 1/2											
143T	3 1/2	2 3/4	2	11/32	7/8	2 1/4	2 1/8	5 7/8	4 1/2	2 1/4	6 1/2	2 1/4	3/8-16(4)	3/16
145T			2 1/2											
182T	4 1/2	3 3/4	2 1/4	13/32	1 1/8	2 3/4	2 5/8	7 1/4	8 1/2	2 3/4	8 1/2	2 1/4	1/2-13(4)	1/4
184T			2 3/4											1/4 FLAT
213T	5 1/4	4 1/4	2 3/4	13/32	1 3/8	3 3/8	3 1/8	7 1/4	8 1/2	3 1/2	9	2 1/4	1/2-13(4)	5/16
215T			3 1/2											
254T	6 1/4	5	4 1/8	17/32	1 5/8	4	3 3/4	7 1/4	8 1/2	4 1/4	10		1/2-13(4)	3/8
256T			5											
284T			4 3/4		1 7/8	4 5/8	4 3/8						1/2-13(4)	1/2
284TS	7	5 1/2		17/32	1 5/8	3 1/4	3	9	10 1/2	4 3/4	11 1/4			3/8
286T			5 1/2		1 7/8	4 5/8	4 3/8							1/2
286TS					1 5/8	3 1/4	3							3/8
324T			5 1/4		2 1/8	5 1/4	5						5/8-11(4)	
324TS	8	6 1/4		21/32	1 7/8	3 3/4	3 1/2	11	12 3/4	5 1/4	14			1/2
326T			6		2 1/8	5 1/4	5							
326TS					1 7/8	3 3/4	3 1/2							
364T			5 5/8		2 3/8	5 7/8	5 5/8						5/8-11(8)	5/8
364TS	9	7		21/32	1 7/8	3 3/4	3 1/2	11	12 1/2	5 7/8	14			1/2
365T			6 1/8		2 3/8	5 7/8	5 5/8							5/8
365TS					1 7/8	3 3/4	3 1/2							1/2
404T			6 1/8		2 7/8	7 1/4	7						5/8-11(8)	3/4
404TS	10	8		13/16	2 1/8	4 1/4	4	11	12 1/2	6 5/8	15 1/2			1/2
405T			6 7/8		2 7/8	7 1/4	7							3/4
405TS					2 1/8	4 1/4	4							1/2
444T			7 1/4		3 3/8	8 1/2	8 1/4						5/8-11(8)	7/8
444TS	11	9	8 1/4	13/16	2 3/8	4 3/4	4 1/2	14	16	7 1/2	18			5/8
445T			8 1/4		3 3/8	8 1/2	8 1/4							7/8
445TS			10		3 3/8	8 1/2	8 1/4							7/8
447TS			10		2 3/8	4 3/4	4 1/2						5/8-11(8)	5/8
449T	11	9	12 1/2	13/16	3 3/8	8 1/2	8 1/4	14	16	7 1/2	18			7/8
449TS			12 1/2		2 3/8	4 3/4	4 1/2							5/8

Fraction/Decimal/Millimeter Conversions

Fracton	MMSE	Fracton	MMSE	MM
1/64	0.015625	0.397	0.015625	1.0097
1/32	0.003125	0.794	0.1732	0.5225
1/64	0.000781	1.591	0.3465	0.2613
1/128	0.000195	3.182	0.6930	0.1307
1/256	0.000049	6.364	1.3861	0.0654
1/512	0.000012	12.728	2.7722	0.0327
1/1024	0.000003	25.456	5.5444	0.0164
1/2048	0.000001	50.912	11.0889	0.0082
1/4096	0.000000	101.824	22.1778	0.0041
1/8192	0.000000	203.648	44.3556	0.0020
1/16384	0.000000	407.296	88.7112	0.0010
1/32768	0.000000	814.592	177.4224	0.0005
1/65536	0.000000	1629.184	354.8448	0.0002
1/131072	0.000000	3258.368	709.6896	0.0001
1/262144	0.000000	6516.736	1419.3792	0.0000
1/524288	0.000000	13033.472	2838.7584	0.0000
1/1048576	0.000000	26066.944	5677.5168	0.0000
1/2097152	0.000000	52133.888	11355.0336	0.0000
1/4194304	0.000000	104267.776	22710.0672	0.0000
1/8392608	0.000000	208535.552	45420.1344	0.0000
1/16785216	0.000000	417071.104	90840.2688	0.0000
1/33570432	0.000000	834142.208	181680.5376	0.0000
1/67140864	0.000000	1668284.416	363361.0752	0.0000
1/134281728	0.000000	3336568.832	726722.1504	0.0000
1/268563456	0.000000	6673137.664	1453444.3008	0.0000
1/537126912	0.000000	13346275.328	2906888.6016	0.0000
1/1074253824	0.000000	26692550.656	5813777.2032	0.0000
1/2148507648	0.000000	53385101.312	11627554.4064	0.0000
1/4297015296	0.000000	106770202.624	23255108.8128	0.0000
1/8594030592	0.000000	213540405.248	46510217.6256	0.0000
1/17188061184	0.000000	427080810.496	93020435.2512	0.0000
1/34376122368	0.000000	854161620.992	186040870.5024	0.0000
1/68752244736	0.000000	1708323241.984	372081741.0048	0.0000
1/137504489472	0.000000	3416646483.968	744163482.0096	0.0000
1/275008978848	0.000000	6833292967.936	1488326964.0192	0.0000
1/550017957696	0.000000	13666585935.872	2976653928.0384	0.0000
1/1100035915392	0.000000	27333171871.744	5953307856.0768	0.0000
1/2200071830784	0.000000	54666343743.488	11906615712.1536	0.0000
1/4400143661568	0.000000	109332687486.976	23813231424.3072	0.0000
1/8800287323136	0.000000	218665374973.952	47626462848.6144	0.0000
1/17600574646272	0.000000	437330749947.904	95252925697.2288	0.0000
1/35201149292544	0.000000	874661499895.808	190505853394.4576	0.0000
1/70402298585088	0.000000	1749322999791.616	381011706788.9152	0.0000
1/140804591370176	0.000000	3498645999583.232	762023413577.8304	0.0000
1/281609182740352	0.000000	6997291999166.464	1524046827155.6608	0.0000
1/563218365480704	0.000000	13994583998332.928	3048093654311.3216	0.0000
1/1126436730961408	0.000000	27989167996665.856	6096187308622.6432	0.0000
1/2252873461922816	0.000000	55978335993331.712	12192374617245.2864	0.0000
1/4505746923845632	0.000000	111956671986663.424	24384749234490.5728	0.0000
1/9011493847691264	0.000000	223913343973326.848	48769498468981.1456	0.0000
1/18022987695382528	0.000000	447826687946653.6		

Effect of Voltage on Performance of Induction Motors

[illegible]

IEC/NEMA Comparison

Dimensions in Millimeter										W40/W44** Frame Assignments			
REC		H	D	B	K	O	E	N-W	3 Phase	3 Phase + TERC	6 Pole		
	NEMA	34	2E	2F	2G	3A	4 Pole						
56	NA	34	90	71	5.8	9	20						
63		42	110	80	7	11	40	23	200W	300W			
		66.7	88.8	42.9	7.1	9.3	52.4	28.6	1.14	1.04			
71		71	112	80	7	11	40	23	3/5 3/5	3/5 3/5			
		42	76.2	108	48.9	8.7	12.7	63.5	1.84	1/2			
80		80	125	100	10	19	50	40	1.1	.75	35 kW		
		56	88.9	125	76.2	8.7	35.9	69.9	47.8	1 1/2	1.1 34 kW		
90		100	140	100	10	19	50	40	1.5	1.1	45 kW		
	143T	80.9	139.7	101.6	8.7	22.2	57.2	57.2	2	1 1/2	1		
90L		140	140	125	10	24	56	50	2.2	1.5	1.1		
	145T	80.9	139.7	127	8.7	22.2	57.2	57.2	3	2	1 1/2		
100L		160	160	140	12	28	63	50	3	2.2	1.5		
									4	3			
113L		182T	112	190	114	17	38	70	3.7	2.2	1.5		
		143	190.5	114.3	11	28.6	69.9	69.9	5	3	3		
113M		182T	110	180	110	17	38	70	3.7	2.2	1.5		
		182T	113.3	190.5	139.7	10	24	28.6	69.9	5	5.4/5		
132S		213T	132	216	140	12	38	89	80	7.5	1.5		
		213T	132.4	215.9	140	12	38	89.9	89.9	19	7.5/2		
132M		213T	132	216	172	12	38	89	80	7.5	1.5		
		132L	132.4	215.9	177.8	10	34.9	89.9	85.9	10	7.3/2		
160M*		254T	160	254	210	15	42	108	110	15	11.7.5		
		254T	158.9	254	210.4	15	42	108	101.6	20	15		
160M*		254T	160	254	254	15	42	108	110	15	11.7.5		
		254T	158.9	254	254	15	42	108	101.6	25	15		
180M*		284T	180	279	241	15	48	121	121	22	18.5		
		284T	177.8	279.4	241.3	15	48	121	117.4	20	15		
180L*		284T	180	279	241	15	48	121	110	22	22		
		284T	177.8	279.4	239.4	13.5	42.6	120.7	117.4	30	20		
200M*		324T	200	318	267	19	55	133	110	30	30		
		324T	200	317.5	265.8	16.7	54	133.4	100	30	25		
200L*		324T	200	318	305	19	55	133	110	37	22		
		324T	200	317.5	303.8	16.7	54	133.4	100	30	25		
235S*		369	225	356	286	19	60	149	140	37	30		
		369	225.1	355.8	285.7	16.7	55	149.4	140	30	25		
235M*		369	225	356	311	19	60	149	140	45	37		
		365T	228.6	355.6	311.2	16.7	60.3	148.4	149.4	60/75	60/75		
270M*		405T	270	408	349	24	65	166	140	55	55		
		405T	270.4	408.3	349.3	24	65	166.7	139.9	55	55		
280S*		445T	280	457	368	24	75	190	140	55	45		
		445T	279.4	457.2	368.3	20.6	85.7	190.5	215.9	45	40		
300M*		445T	279.4	457	418	24	75	190	140	55	55		
		445T	279.4	457.2	418.3	20.6	85.7	190.5	215.9	45	40		

* Shaft dimensions of these IEC frames may vary between manufacturers.
 * Horsepower listed is closest comparable rating with similar motor dimensions. In some instances this results in greater HP rating than required. For example, 370W, a 0.5 hp converts to 50 HP but nearest HP rating in the NEMA frame having comparable dimensions is 75 HP. In these instances the HP rating printed in black is the direct conversion, and HP printed in green is the closest comparable dimensionally accurate frame. **OBSERVE CAUTION if the drive train or driven load likely to be damaged by the greater HP.**
 * Equivalent HP can be calculated by multiplying the kW rating by 1.341. Multiply HP by .746 to convert HP to kW. To convert from millimeters to inches, multiply by 0.3937. To convert from inches to millimeters, multiply by 25.40.

Prior NEMA Frame Mounting

	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YY	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX	ZY	ZZ
88	6.10E	2.25E-20	2.21E	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																																																							

NEMA Frame Assignments

Open and TEFC (TEFC Frame in Green where different than open

NEMA Frame group	7° Frames 1964	12° Frames 1964	Original NEMA Frames 1962	7° Frames 1964	12° Frames 1964	Original NEMA Frames 1962	7° Frames 1964	12° Frames 1964	Original NEMA Frames 1962	7° Frames 1964	12° Frames 1964	Original NEMA Frames 1962
1				1437	192	205	1407	194	204	1407	193	203
1 1/2	1407	182	203	1437	194	204	1407	193	203	1407	192	202
2	1407	182	204	1437	194	205	1407	193	204	1407	192	203
3	1411/1407	184	204	1437	193	203	1411	193	203	1411	193	203
5	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
6	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
7 1/2	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
9	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
10	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
11	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
12	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
13	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
14	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
15	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
16	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
17	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
18	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
19	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
20	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
21	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
22	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
23	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
24	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
25	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
26	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
27	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
28	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
29	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
30	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
31	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
32	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
33	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
34	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
35	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
36	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
37	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
38	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
39	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
40	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
41	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
42	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
43	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
44	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
45	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
46	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
47	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
48	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
49	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
50	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
51	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
52	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
53	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
54	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
55	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
56	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
57	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
58	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
59	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
60	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
61	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
62	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
63	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
64	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
65	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
66	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
67	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
68	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
69	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
70	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
71	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
72	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
73	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
74	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
75	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
76	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
77	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
78	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
79	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
80	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
81	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
82	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
83	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
84	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
85	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
86	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
87	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
88	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
89	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
90	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
91	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
92	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
93	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
94	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
95	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
96	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
97	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
98	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
99	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214
100	1407/1407	213	225	1407	215	214	1517	215	214	1517	214	214

Temperature Conversion Table

Locate known temperature in °C/°F column. Read converted temperature in °C or °F column.

°C				°F				°C				°F			
°C				°F				°C				°F			
45.4	50	56	57	25	55	55	58	55	48.3	520	248	56	205	425	
42.7	45	50	51	20	48	48	51	50	31.5	475	238	54	200	415	
40	40	40	42	15	45	45	53	44.4	540	540	540	50.8	215	410	
37.2	35	35	35	30	50	50	52	57.7	515	520	275	50.4	220	428	
34.5	30	30	32	15	58	58	55	55	540	540	540	50.7	225	430	
31.8	25	25	27	10	65	65	60	52.2	535	540	540	50.9	230	432	
29.1	20	20	22	5	72	72	67	49.5	550	550	550	51.1	235	435	
26.4	15	15	17	0	79	79	74	46.8	565	570	302	51.3	240	438	
23.7	10	10	12	-5	86	86	81	44.1	580	585	315	51.5	245	440	
21	5	5	7	-10	93	93	88	41.4	595	600	328	51.7	250	442	
18.3	0	0	2	-15	100	100	95	38.7	610	615	341	51.9	255	445	
15.6	-5	-5	-3	-20	107	107	102	36	625	630	354	52.1	260	448	
12.9	-10	-10	-8	-25	114	114	109	33.3	640	645	367	52.3	265	450	
10.2	-15	-15	-13	-30	121	121	116	30.6	655	660	380	52.5	270	453	
7.5	-20	-20	-18	-35	128	128	123	27.9	670	675	393	52.7	275	455	
4.8	-25	-25	-23	-40	135	135	130	25.2	685	690	406	52.9	280	458	
2.1	-30	-30	-28	-45	142	142	137	22.5	700	705	419	53.1	285	460	
-0.6	-35	-35	-33	-50	149	149	144	19.8	715	720	432	53.3	290	463	
-3.3	-40	-40	-38	-55	156	156	151	17.1	730	735	445	53.5	295	465	
-6	-45	-45	-43	-60	163	163	158	14.4	745	750	458	53.7	300	468	
-8.7	-50	-50	-48	-65	170	170	165	11.7	760	765	471	53.9	305	470	
-11.4	-55	-55	-53	-70	177	177	172	9	775	780	484	54.1	310	473	
-14.1	-60	-60	-58	-75	184	184	179	6.3	790	795	497	54.3	315	475	
-16.8	-65	-65	-63	-80	191	191	186	3.6	805	810	510	54.5	320	478	
-19.5	-70	-70	-68	-85	198	198	193	0.9	820	825	523	54.7	325	480	
-22.2	-75	-75	-73	-90	205	205	200	-2.8	835	840	536	54.9	330	483	
-24.9	-80	-80	-78	-95	212	212	207	-5.5	850	855	549	55.1	335	485	
-27.6	-85	-85	-83	-100	219	219	214	-8.2	865	870	562	55.3	340	488	
-30.3	-90	-90	-88	-105	226	226	221	-10.9	880	885	575	55.5	345	490	
-33	-95	-95	-93	-110	233	233	228	-13.6	895	900	588	55.7	350	493	
-35.7	-100	-100	-98	-115	240	240	235	-16.3	910	915	601	55.9	355	495	
-38.4	-105	-105	-103	-120	247	247	242	-19	925	930	614	56.1	360	498	
-41.1	-110	-110	-108	-125	254	254	249	-21.7	940	945	627	56.3	365	500	
-43.8	-115	-115	-113	-130	261	261	256	-24.4	955	960	640	56.5	370	503	
-46.5	-120	-120	-118	-135	268	268	263	-27.1	970	975	653	56.7	375	505	
-49.2	-125	-125	-123	-140	275	275	270	-29.8	985	990	666	56.9	380	508	
-51.9	-130	-130	-128	-145	282	282	277	-32.5	1000	1005	679	57.1	385	510	

$$^{\circ}\text{C} = 5/9 \times (^{\circ}\text{F} - 32)$$

$$^{\circ}\text{F} = (9/5 \times ^{\circ}\text{C}) + 32$$