

Rating Tables

1 Select Reducer

Style HMQ Style HM



Maximum Ratings - 18HE

Ratio	Input RPM	Output RPM	Input HP	Output TQ (lb-in)	NEMA Input Frame	Quill Input / Hollow Output Catalog No. ▼	Coupling Input / Hollow Output Catalog No. ▼
8.02	1750	218.20	3.50	1042	56C	E180508.XX	E180524.XX
	1150	143.39	3.54	1400			
	850	105.99	2.62		143-5TC		
	100	12.47	0.31				
11.42	1750	153.24	3.25	1400	56C	E180509.XX	E180525.XX
	1150	101.70	2.49				
	850	74.43	1.84	143-5TC			
	100	8.76	0.22				
15.60	1750	112.18	3.00	1400	56C	E180510.XX	E180526.XX
	1150	73.72	1.82				
	850	54.49	1.34	143-5TC			
	100	6.41	0.16				
19.93	1750	87.81	2.50	1400	56C	E180511.XX	E180527.XX
	1150	57.70	1.42				
	850	42.65	1.05	143-5TC			
	100	5.02	0.12				
29.10	1750	60.14	2.12	1400	56C	E180512.XX	E180528.XX
	1150	39.52	0.98				
	850	29.21	0.72	143-5TC			
	100	3.44	0.08				
43.53	1750	40.20	1.42	1400	56C	E180513.XX	E180529.XX
	1150	26.42	0.65				
	850	19.53	0.48	143-5TC			
	100	2.30	0.06				
52.50	1750	33.33	1.18	1400	56C	E180514.XX	E180530.XX
	1150	21.90	0.54				
	850	16.19	0.40	143-5TC			
	100	1.90	0.05				
58.33	1750	30.00	1.06	1400	56C	E180515.XX	E180531.XX
	1150	19.72	0.49				
	850	14.57	0.36	143-5TC			
	100	1.71	0.04				

▼ Catalog numbers are for hollow output shaft reducers.
When ordering, substitute the XX suffix with the required output bore code.

Available bore codes 18HE

Fraction Size	3/4"	7/8"	1"	1-1/8"	1-3/16"	1-1/4"	1-7/16"
Decimal Size	0.750	0.875	1.000	1.125	1.188	1.250	1.438
Output Bore Code	12	14	16	18	19	20	23

If a solid output shaft is required for size 18HE, replace "XX" with "23" output bore code on basic reducer.

Style HMQ Style HM



Maximum Ratings - 24HE

Ratio	Input RPM	Output RPM	Input HP	Output TQ (lb-in)	NEMA Input Frame	Quill Input / Hollow Output Catalog No. ▼	Coupling Input / Hollow Output Catalog No. ▼
7.80	1750	224.4	8.50	2149	56C	E240511.XX	E240541.XX
	1150	147.4	6.76				
	850	109.0	5.00	182-4TC			
	100	12.8	0.59				
11.36	1750	154.0	7.06	2600	56C	E240513.XX	E240543.XX
	1150	101.2	4.64				
	850	74.8	3.43	182-4TC			
	100	8.80	0.40				
15.60	1750	112.2	5.14	2600	56C	E240514.XX	E240544.XX
	1150	73.7	3.38				
	850	54.5	2.50	182-4TC			
	100	6.40	0.29				
19.50	1750	89.7	4.11	2600	56C	E240515.XX	E240545.XX
	1150	59.0	2.70				
	850	43.6	2.00	182-4TC			
	100	5.1	0.24				
28.01	1750	62.5	2.86	2600	56C	E240516.XX	E240546.XX
	1150	41.1	1.88				
	850	30.3	1.39	182-4TC			
	100	3.60	0.16				
39.98	1750	43.8	2.01	2600	56C	E240518.XX	E240548.XX
	1150	28.8	1.32				
	850	21.3	0.97	182-4TC			
	100	2.50	0.11				
52.50	1750	33.3	1.53	2600	56C	E240519.XX	E240549.XX
	1150	21.9	1.00				
	850	16.2	0.74	182-4TC			
	100	1.90	0.09				
59.79	1750	29.3	1.34	2600	56C	E240520.XX	E240550.XX
	1150	19.2	0.88				
	850	14.2	0.65	182-4TC			
	100	1.70	0.08				

▼ Catalog numbers are for hollow output shaft reducers.
When ordering, substitute the XX suffix with the required output bore code.

Available bore codes 24HE

Fraction Size	1"	1-1/8"	1-3/16"	1-1/4"	1-7/16"	1-1/2"
Decimal Size	1.000	1.125	1.188	1.250	1.438	1.500
Output Bore Code	16	18	19	20	23	24

If a solid output shaft is required for size 24HE, replace "XX" with "23" output bore code on basic reducer.

1 Select Reducer (cont.)

Style HMQ Style HM



Maximum Ratings - 33HE

Ratio	Input RPM	Output RPM	Input HP	Output TQ (lb-in)	NEMA Input Frame	Quill Input / Hollow Output Catalog No. ▼	Coupling Input / Hollow Output Catalog No. ▼
7.94	1750	220.4	13.00	3346	56C	E330508.XX	E330548.XX
	1150	144.8	11.49		143-5TC	E330516.XX	E330556.XX
	850	107.1	8.49		182-4TC	E330524.XX	E330564.XX
	100	12.59	1.00		213-5TC	E330532.XX	E330572.XX
10.77	1750	162.5	12.89	4500	56C	E330509.XX	E330549.XX
	1150	106.8	8.47		143-5TC	E330517.XX	E330557.XX
	850	78.9	6.26		182-4TC	E330525.XX	E330565.XX
	100	9.29	0.74		213-5TC	E330533.XX	E330573.XX
15.05	1750	116.3	9.22	4500	56C	E330510.XX	E330550.XX
	1150	76.4	6.06		143-5TC	E330518.XX	E330558.XX
	850	56.5	4.48		182-4TC	E330526.XX	E330566.XX
	100	6.64	0.53		213-5TC	E330534.XX	E330574.XX
21.15	1750	82.7	6.56	4500	56C	E330511.XX	E330551.XX
	1150	54.4	4.31		143-5TC	E330519.XX	E330559.XX
	850	40.2	3.19		182-4TC	E330527.XX	E330567.XX
	100	4.73	0.38		213-5TC	E330535.XX	E330575.XX
30.14	1750	58.1	4.61	4500	56C	E330512.XX	E330552.XX
	1150	38.2	3.03		143-5TC	E330520.XX	E330560.XX
	850	28.2	2.24		182-4TC	E330528.XX	E330568.XX
	100	3.32	0.26		213-5TC	E330536.XX	E330576.XX
43.97	1750	39.8	3.16	4500	56C	E330513.XX	E330553.XX
	1150	26.2	2.07		143-5TC	E330521.XX	E330561.XX
	850	19.3	1.53		182-4TC	E330529.XX	E330569.XX
	100	2.27	0.18		213-5TC	E330537.XX	E330577.XX
53.03	1750	33.0	2.62	4500	56C	E330514.XX	E330554.XX
	1150	21.7	1.72		143-5TC	E330522.XX	E330562.XX
	850	16.0	1.27		182-4TC	E330530.XX	E330570.XX
	100	1.89	0.15		213-5TC	E330538.XX	E330578.XX
58.92	1750	29.7	2.36	4500	56C	E330515.XX	E330555.XX
	1150	19.5	1.55		143-5TC	E330523.XX	E330563.XX
	850	14.4	1.14		182-4TC	E330531.XX	E330571.XX
	100	1.70	0.13		213-5TC	E330539.XX	E330579.XX

▼ Catalog numbers are for hollow output shaft reducers.
When ordering, substitute the XX suffix with the required output bore code.

Available bore codes 33HE

Fraction Size	1-3/16"	1-1/4"	1-7/16"	1-1/2"	1-5/8"	1-11/16"	1-3/4"	1-7/8"	1-15/16"	2"	2-3/16"
Decimal Size	1.188	1.250	1.438	1.500	1.625	1.688	1.750	1.875	1.938	2.000	2.188
Output Bore Code	19	20	23	24	26	27	28	30	31	32	35

If a solid output shaft is required for size 33HE, replace "XX" with "31" output bore code on basic reducer.

Style HMQ Style HM



Maximum Ratings - 43HE

Ratio	Input RPM	Output RPM	Input HP	Output TQ (lb-in)	NEMA Input Frame	Quill Input / Hollow Output Catalog No. ▼	Coupling Input / Hollow Output Catalog No. ▼
9.58	1750	182.67	27.37	8500	56C	E430507.XX	E430542.XX
	1150	120.04	17.99		143-5TC	E430514.XX	E430549.XX
	850	88.73	13.30		182-4TC	E430521.XX	E430556.XX
	100	10.44	1.56		213-5TC	E430528.XX	E430563.XX
15.05	1750	116.28	17.42	8500	56C	E430508.XX	E430543.XX
	1150	76.41	11.45		143-5TC	E430515.XX	E430550.XX
	850	56.48	8.46		182-4TC	E430522.XX	E430557.XX
	100	6.64	1.00		213-5TC	E430529.XX	E430564.XX
21.15	1750	82.74	12.40	8500	56C	E430509.XX	E430544.XX
	1150	54.37	8.15		143-5TC	E430516.XX	E430551.XX
	850	40.19	6.02		182-4TC	E430523.XX	E430558.XX
	100	4.73	0.71		213-5TC	E430530.XX	E430565.XX
30.14	1750	58.06	8.70	8500	56C	E430510.XX	E430545.XX
	1150	38.16	5.72		143-5TC	E430517.XX	E430552.XX
	850	28.20	4.23		182-4TC	E430524.XX	E430559.XX
	100	3.32	0.50		213-5TC	E430531.XX	E430566.XX
37.33	1750	46.88	7.02	8500	56C	E430511.XX	E430546.XX
	1150	30.81	4.62		143-5TC	E430518.XX	E430553.XX
	850	22.77	3.41		182-4TC	E430525.XX	E430560.XX
	100	2.68	0.40		213-5TC	E430532.XX	E430567.XX
53.03	1750	33.00	4.95	8500	56C	E430512.XX	E430547.XX
	1150	21.69	3.25		143-5TC	E430519.XX	E430554.XX
	850	16.03	2.40		182-4TC	E430526.XX	E430561.XX
	100	1.89	0.28		213-5TC	E430533.XX	E430568.XX
58.92	1750	29.70	4.45	8500	56C	E430513.XX	E430548.XX
	1150	19.52	2.92		143-5TC	E430520.XX	E430555.XX
	850	14.43	2.16		182-4TC	E430527.XX	E430562.XX
	100	1.70	0.25		213-5TC	E430534.XX	E430569.XX

▼ Catalog numbers are for hollow output shaft reducers.
When ordering, substitute the XX suffix with the required output bore code.

Available bore codes 43HE

Fraction Size	1-7/16"	1-1/2"	1-15/16"	2"	2-3/16"	2-7/16"	3"	3-7/16"
Decimal Size	1.438	1.500	1.938	2.000	2.188	2.438	3.000	3.438
Output Bore Code	23	24	31	35	35	39	48	55

If a solid output shaft is required for size 43HE, replace "XX" with "39" output bore code on basic reducer.