



XINGDA MACHINERY



EED TRANSMISSION

Hangzhou Xingda Machinery Co.,Ltd



**HANGZHOU XINGDA
MACHINERY CO.,LTD**

ADD:Xinwan industry , Xiaoshan,
Hangzhou, Zhejiang,China
TEL:0086-571-22807867,22807868
FAX:0086-571-22807855
P.C:311228
Http://www.xdmade.com
E-mail:jane@xdmade.com

www.xdmade.com
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WELCOME TO XINGDA MACHINERY FOR EED TRANSMISSION

Founded in 1984, Hangzhou Xingda Machinery Co., Ltd. specialized in the development, manufacture and sales of mechanic products. The factory has more than 100,000 square meters workshop, and with more than 100 sets of advanced process machines and test equipments. Our main produces SPEED REDUCER IEC, NEMA speed reducer. Passed the ISO 9001, are sold to more than hundreds of cities all over the world, both at domestic international, in area of food industries, Kitchen word machinery, printing machinery, woodworking machinery, small textile machinery, rubber machinery, small chemical machinery, plastic machinery etc.

In 2007, we have our own import & export company called HANGZHOU MELCHIZEDEK IMPORT & EXPORT CO., LTD to deal with the international business.

We believe that the perfect products are from the perfect design and every perfect steps. EED SPEED REDUCER Our deeds, your needs, can offer you a perfect solution for your transmission.



董事长室 President Office



迎宾厅 Lobby



办公通道 Office Channel



总经理室 General Manager Office



贵宾室 Reception



会议报告厅 Conference Hall



部门会议室 Meeting Room



A workman must first sharpen his tools if he is to do his work well.



Machining equipment

The first-rate automatic equipments have provided solid foundation for machining accuracy.



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Mounting and Availability



XDRV
Motor Input Flange



XRV
Input Shaft

Type&Expressions

110	40	180TC	Foot Mount	B3	Protective Cover
Size	Ratio	Input Size	Output Design	Mounting Position	Accessories
Aluminum Housing	7.5		Shaft Mounted standard hollow output bore	B3	Torque Arm Accessories
030	10				
040	15	48C			
050	25	56C			
063	30	140TC			
075	40	180TC	Foot Mounted optional single or double plug-in output shaft	B6	Torque Arm
090	50	210TC		B7	
	60	250TC		B8	
Cast Iron Housing	80		Flange Mounted optional F or FL mounting flange and hollow output bore	V5	Double Extension Single Shaft Double Shaft Output Flange
110	100			V6	
130					
150					

Gearbox Size	Nema Flange	Input Bore Diameter	Available Ratios											
			5	7.5	10	15	20	25	30	40	50	60	80	100
XDRV 030	48C	0.500	•	•	•	•	•	•	•	•	•	•	•	•
XDRV 040	56C	0.625	•	•	•	•	•	•	•	•	•	•	•	•
XDRV 050	56C	0.625	•	•	•	•	•	•	•	•	•	•	•	•
XDRV 063	56C	0.625					•	•	•	•	•	•	•	•
	140TC	0.875		•	•	•	•	•	•	•				
XDRV 075	56C	0.625									•	•	•	•
	140TC	0.875				•	•	•	•	•	•			
	180TC	1.125		•	•	•								
XDRV 090	56C	6.250											•	•
	140TC	0.875						•	•	•	•	•		
	180TC	1.125		•	•	•	•	•	•	•				
XDRV 110	140TC	0.875									•	•	•	•
	180TC	1.125									•	•		
	210TC	1.375		•	•	•	•							
XDRV 130	140TC	0.875											•	•
	180TC	1.125							•	•	•	•	•	
	210TC	1.375		•	•	•	•	•	•	•				
XDRV 150	180TC	1.125							•	•	•	•	•	•
	210TC	1.375				•	•	•	•	•				
	250TC	1.625		•	•	•	•							



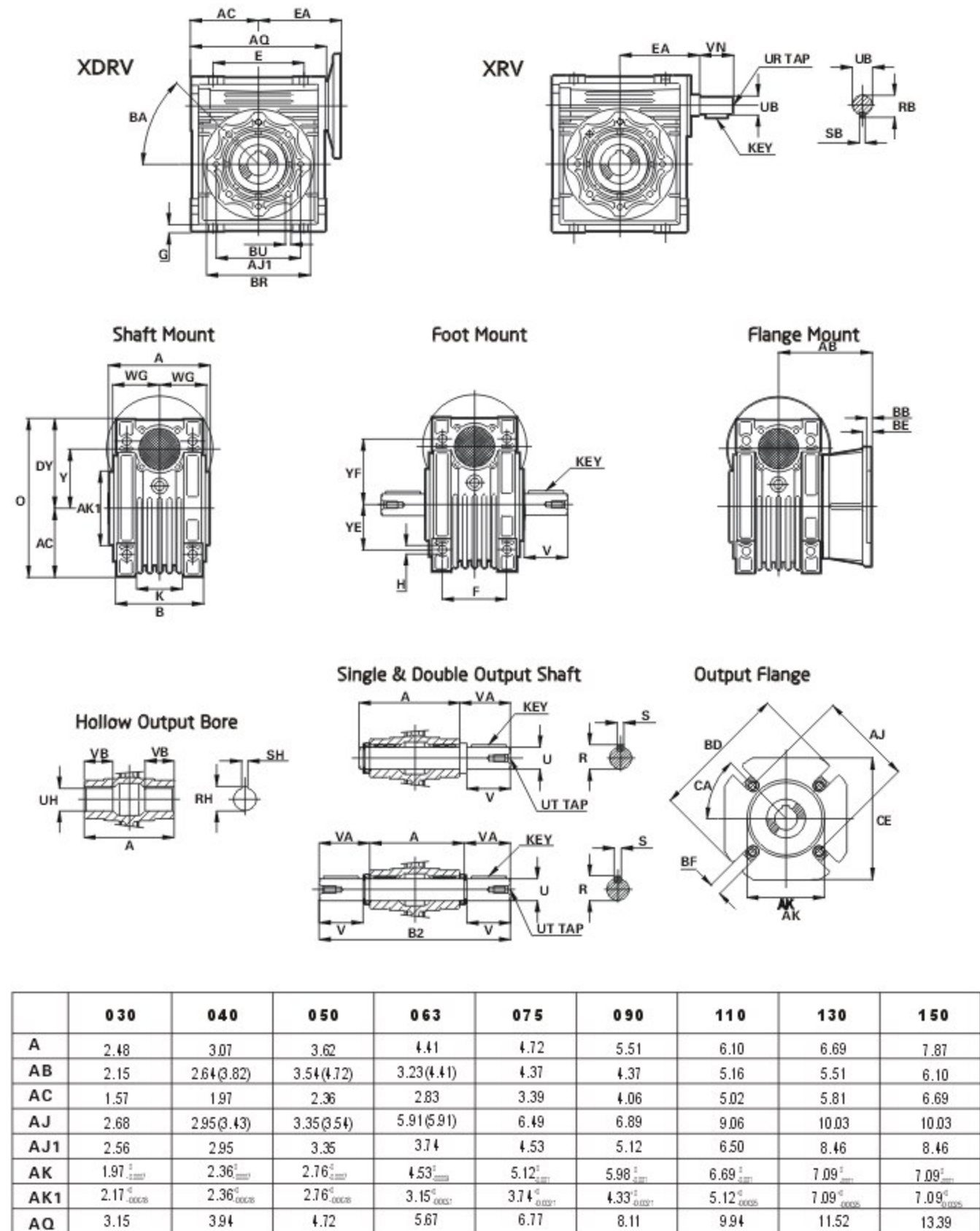
Performance Parameter

Input HP	Input RPM	Output RPM	Output Torque	Service Factor	Ratio	Gearbox Size
0.16	1750	350	25	12.9	5	XDRV 40
		233	37	9.4	7.5	
		175	48	7.4	10	
		117	70	5.1	15	
		88	80	3.5	20	
		70	107	2.8	25	
		58	121	2.2	30	
		44	150	2.2	40	
		35	173	1.8	50	
		29	201	1.4	60	
		22	240	1.1	80	
		18	255	0.9	100	
0.26	1750	350	40	8.2	5	XDRV 50
		233	58	6	7.5	
		175	76	4.7	10	
		117	108	3.3	15	
		88	141	2.3	20	
		70	167	1.8	25	
		58	188	2.0	30	
		44	234	1.4	40	
		35	270	1.1	50	
		29	314	0.9	60	
		22	324	1.7	80	
		18	389	1.2	100	
0.33	1750	350	52	6.2	5	XDRV 40
		233	77	4.6	7.5	
		175	100	3.6	10	
		117	145	2.5	15	
		88	186	1.7	20	
		70	220	1.4	25	
		58	250	1.5	30	
		44	309	1.1	40	
		35	357	0.9	50	
		29	389	1.2	60	
		18	442	1.0	80	
0.5	1750	350	79	4.1	5	XDRV 50
		233	116	3.0	7.5	
		175	151	2.4	10	
		117	219	1.6	15	
		88	281	1.1	20	
		70	333	0.9	25	
		58	378	1	30	
		44	483	1.3	40	
		35	588	1.0	50	
		29	649	0.8	60	
		18	937	1.0	80	
0.75	1750	350	116	3.0	7.5	XDRV 83
		233	176	2.7	10	
		175	230	2.0	15	
		117	333	1.3	20	
		88	427	1.1	25	
		70	514	1.2	30	
		58	554	1.2	40	
		44	724	0.8	50	
		35	838	0.8	60	
		29	933	1.8	80	
		18	1099	1.4	100	
1	1750	350	176	2.7	10	XDRV 90
		233	230	2.0	15	
		175	333	1.3	20	
		117	427	1.1	25	
		88	514	1.2	30	
		70	554	1.2	40	
		58	724	0.8	50	
		44	838	0.8	60	
		35	933	1.8	80	
		29	1099	1.4	100	
		18	1514	0.9	120	

Input HP	Input RPM	Output RPM	Output Torque	Service Factor	Ratio	Gearbox Size
1	1750	177	454	2.7	15	XD RV 63
		88	584	1.9	20	
		70	703	1.5	25	
		58	811	1.8	30	
		44	1009	1.1	40	
		35	1189	0.9	50	
		29	1427	1.2	6	XD RV 75
		22	1730	0.9	8	
		44	1096	2.9	40	
		35	1298	2.2	50	
		29	1452	1.8	60	
		22	1845	1.3	80	
2	1750	18	2163	1.0	100	XD RV 90
		29	1579	2.9	6	
		22	1961	2.1	80	
		18	2307	1.7	100	
		233	357	3.2	7.5	XD RV 63
		175	485	2.5	10	
		117	681	1.8	15	
		88	879	1.2	20	
		70	1054	1.0	25	
		58	1217	1.1	30	
		44	1579	1.2	40	XD RV 75
		35	1865	0.9	50	
		29	2141	0.8	60	
		22	2768	0.9	80	
		18	3460	1.1	100	
3	1750	233	476	2.4	7.5	XD RV 63
		175	620	1.9	10	
		117	908	1.4	15	
		88	1188	0.9	20	
		70	1408	0.8	25	
		58	1622	0.8	30	
		44	2105	0.9	40	XD RV 75
		35	2555	1.1	50	
		29	2984	0.9	60	
		22	3922	1.1	80	
		18	4814	0.8	100	
		233	722	2.4	7.5	XD RV 90
		175	941	2.0	10	
		117	1362	1.5	15	
		88	1817	1.7	20	
		70	2244	1.2	25	
		58	2583	1.4	30	XD RV 110
		44	3417	1.7	40	
		35	4109	1.3	50	
		29	4736	1.0	60	
		22	6154	1.2	80	
		18	7721	0.9	100	
5	1750	233	1217	2.1	7.5	XD RV 75
		175	1586	1.8	10	
		117	2325	1.4	15	
		88	3028	1.0	20	
		70	3740	0.7	25	
		58	4271	0.9	30	
		44	5695	1.0	40	XD RV 90
		35	6848	0.8	50	
		29	7984	0.8	60	
		22	10588	1.2	80	
		18	13271	0.9	100	
		233	1804	2.5	7.5	XD RV 110
		175	2379	2.1	10	
		117	3487	1.5	15	
		88	4536	1.1	20	
		70	5487	1.0	25	
		58	6128	0.9	30	
7.5	1750	233	2406	1.9	7.5	XD RV 110
		175	3172	1.5	10	
		117	4650	1.2	15	
		88	6128	0.9	20	



Outline Dimension Sheet

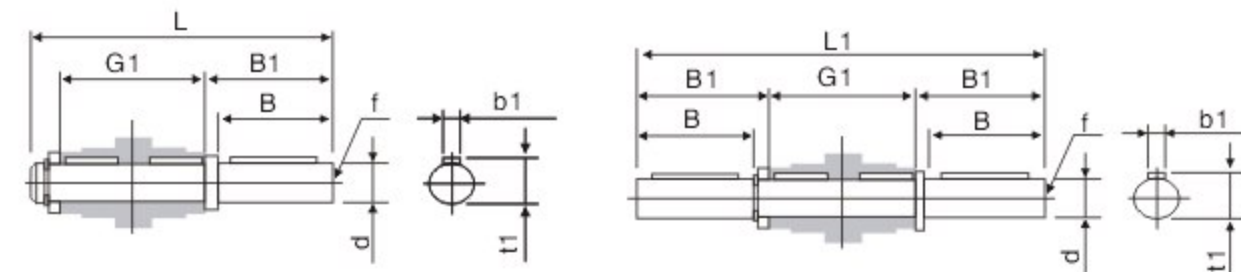


Outline Dimension Sheet

	030	040	050	063	075	090	110	130	150
B	2.20	2.80	3.35	4.06	4.41	5.12	5.67	6.10	7.28
B2	5.83	7.24	7.83	9.41	10.51	12.13	16.14	14.17	16.14
BA	0	45	45	45	45	45	45	45	45
BB	0.16	0.16	0.20	0.24	0.24	0.24	0.24	0.28	0.28
BD	3.15	4.33	4.92	7.09	7.87	8.27	11.02	12.60	12.60
BE	0.24	0.28	0.35	0.39	0.51	0.51	0.59	0.59	0.59
BF	.26,4 pl.	.35,4 pl.	.43,4 pl.	.43,4 pl.	.55,4 pl.	.55,4 pl.	.55,8 pl.	.63,8 pl.	.63,8 pl.
BR	2.95	3.43	3.94	4.33	5.51	6.30	7.87	9.84	9.84
BU	M6 Tap 0.43 deep,4 pl.	M6 Tap 0.32 deep,4 pl.	M8 Tap 0.39 deep,4 pl.	M8 Tap 0.55 deep,8 pl.	M8 Tap 0.55 deep,8 pl.	M10 Tap 0.71 deep,8 pl.	M10 Tap 0.71 deep,8 pl.	M12 Tap 0.83 deep,8 pl.	M12 Tap 0.83 deep,8 pl.
CA	45°	45°	45°	45°	45°	45°	45°	22.5°	22.5°
CE	2.76	3.74	4.33	5.60	6.69	7.87	10.24	11.42	11.42
DY	2.24	2.81	3.31	4.02	4.69	5.32	6.59	7.38	9.06
E	2.13	2.76	3.15	3.94	4.72	5.51	6.69	7.87	9.45
EA	2.64	3.15	3.54	4.13	4.96	5.63	6.81	7.60	8.27
F	1.73	2.36	2.76	3.35	3.54	3.94	4.53	4.72	5.71
G	0.22	0.26	0.28	0.32	0.39	0.43	0.57	0.61	0.71
H	0.26	0.26	0.34	0.33	0.45	0.51	0.55	0.63	0.71
K	1.26	1.69	1.93	2.64	2.83	2.91	-	-	-
O	3.82	4.78	5.67	6.85	8.07	9.37	11.61	13.19	15.75
R	0.70	0.83	1.11	1.23	1.36	1.51	1.79	1.92	2.50
RB	0.42	0.55	0.70	0.83	0.96	0.96	1.24	1.36	1.38
RH	0.71	0.84	1.12	1.24	1.37	1.52	1.80	1.93	2.20
S	0.188	0.188	0.250	0.250	0.250	0.313	0.375	0.375	0.500
SB	0.094	0.125	0.188	0.188	0.188	0.188	0.250	0.250	0.313
SH	0.188	0.188	0.250	0.250	0.250	0.313	0.375	0.375	0.710
U	0.625 ^{±0.05}	0.750 ^{±0.05}	1.000 ^{±0.05}	1.125 ^{±0.05}	1.250 ^{±0.05}	1.375 ^{±0.05}	1.625 ^{±0.05}	1.750 ^{±0.05}	2.000 ^{±0.05}
UH	0.625 ^{±0.05}	0.750 ^{±0.05}	1.000 ^{±0.05}	1.125 ^{±0.05}	1.250 ^{±0.05}	1.375 ^{±0.05}	1.625 ^{±0.05}	1.750 ^{±0.05}	2.000 ^{±0.05}
UT	1/4-20	1/4-20	3/8-16	3/8-16	1/2-13	1/2-13	5/8-11	5/8-11	3/4-10
V	1.58	1.97	1.97	2.36	2.76	3.15	3.54	3.54	4.02
VA	1.67	2.09	2.11	2.50	2.89	3.33	4.13	3.74	4.57
VB	0.827	1.024	1.181	1.417	1.575	1.772	1.969	2.362	2.850
VN	1.18	1.18	1.58	1.97	2.36	2.36	2.76	3.15	3.15
WG	1.14	1.44	1.71	2.09	2.24	2.64	2.91	3.19	3.78
UB	0.375 ^{±0.05}	0.500 ^{±0.05}	0.625 ^{±0.05}	0.750 ^{±0.05}	0.875 ^{±0.05}	0.875 ^{±0.05}	1.125 ^{±0.05}	1.250 ^{±0.05}	1.375 ^{±0.05}
UR	-	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	3/8-16	1/2-13	1/2-13
Y	1.18	1.58	1.97	2.48	2.95	3.54	4.33	5.12	5.91
YE	1.06	1.38	1.58	1.97	2.36	2.76	3.35	3.94	4.72
YF	1.73	2.17	2.52	3.15	3.66	4.02	4.92	5.51	7.09
Input Key									
Length	0.875	0.875	1.125	1.500	1.875	1.875	2.250	2.500	2.875
Square	0.094	0.125	0.188	0.188	0.188	0.188	0.250	0.250	0.315
Output Key									
Length	1.125	1.500	1.500	1.875	2.250	2.500	0.750	2.750	3.563
Square	0.188	1.188	0.250	0.250	0.250	0.313	0.375	0.375	0.500
Weight (lbs)	3	5	8	4	20	29	77	106	185

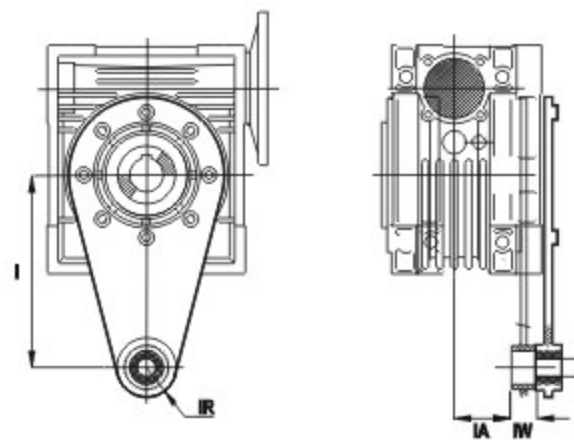
Accessories

Output Shafts



Gearbox Size	Output Shaft.NEMA									
	Type	d	B	B1	G1	L	L1	f	b1	t1
XDRV40	Single	0.750	1.40	1.50	3.07	4.8	N/A	N/A	0.19	0.83
	Double	0.750	1.40	1.50	3.07	N/A	6.07	N/A	0.19	0.83
XDRV50	Single	1.000	1.90	2.00	3.62	5.87	N/A	N/A	0.25	1.11
	Double	1.000	1.90	2.00	3.62	N/A	7.64	N/A	0.25	1.11
XDRV63	Single	1.125	2.36	2.50	4.40	7.22	N/A	M8	0.31	1.26
	Double	1.125	2.36	2.50	4.40	N/A	9.41	M8	0.31	1.26
XDRV75	Single	1.125	2.76	2.90	4.72	7.93	N/A	M10	0.31	1.38
	Double	1.125	2.76	2.90	4.72	N/A	10.51	M10	0.31	1.38
XDRV90	Single	1.375	3.15	3.30	5.50	9.23	N/A	M12	0.38	1.53
	Double	1.375	3.15	3.30	5.50	N/A	12.17	M12	0.38	1.53
XDRV110	Single	1.625	3.54	3.70	6.10	10.22	N/A	N/A	0.44	1.81
	Double	1.625	3.54	3.70	6.09	N/A	13.54	N/A	0.44	1.81

Torque Arm



GEARBOX SIZE	I	IA	IL	IR	IW
030	3.35	0.94	0.31	0.59	0.55
040	3.94	1.24	0.39	0.71	0.55
050	3.94	1.52	0.39	0.71	0.55
063	5.91	1.93	0.39	0.71	0.55
075	7.87	1.87	0.79	1.18	0.98
090	7.87	2.28	0.79	1.18	0.98
110	9.84	2.44	0.98	1.38	1.18
130	9.84	2.72	0.98	1.38	1.18
150	9.84	3.31	0.98	1.38	1.18



Summarize

XDBT-133-50-56C-Output bore

56C 145TC 182/4TC
Or Leave Blank For Shaft Input

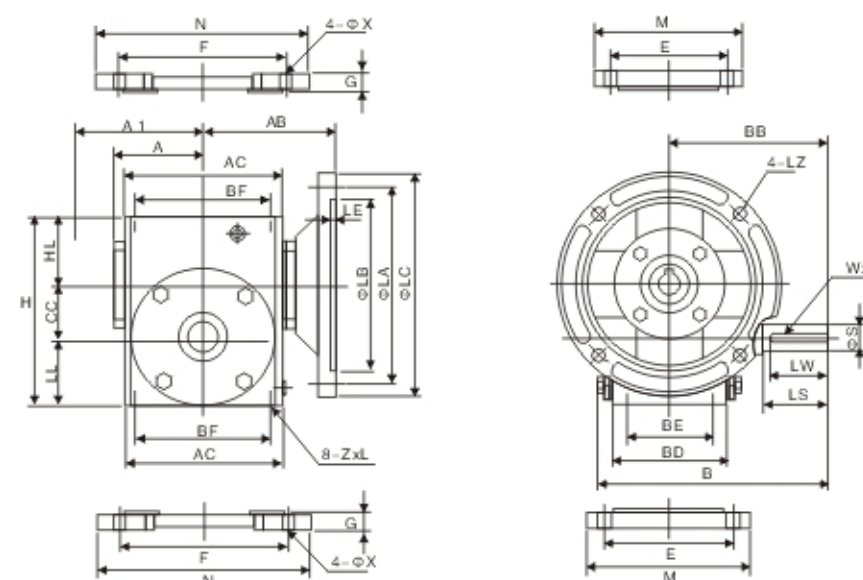
Ratio 5/10/15/20/30/50/60

Central distance of worm gear unit

XingDa made Cast worm gearbox

Gearbox Size	Nema Frame	Input Bore	Ratio								
			7.5	10	15	20	25	30	40	50	60
XDBT133	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
XDBT154	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
XDBT175	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
XDBT206	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
XDBT237	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
XDBT262	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
	140TC	0.875"	✓	✓	✓	✓	✓	✓	✓	✓	✓
	180TC	1.125"	✓	✓	✓	✓	✓	✓	✓	✓	✓
XDBT300	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
	140TC	0.875"	✓	✓	✓	✓	✓	✓	✓	✓	✓
	180TC	1.125"	✓	✓	✓	✓	✓	✓	✓	✓	✓
XDBT325	56C	0.625"	✓	✓	✓	✓	✓	✓	✓	✓	✓
	140TC	0.875"	✓	✓	✓	✓	✓	✓	✓	✓	✓
	180TC	1.125"	✓	✓	✓	✓	✓	✓	✓	✓	✓

Gearbox Dimensions – Shaft Output Gearboxes

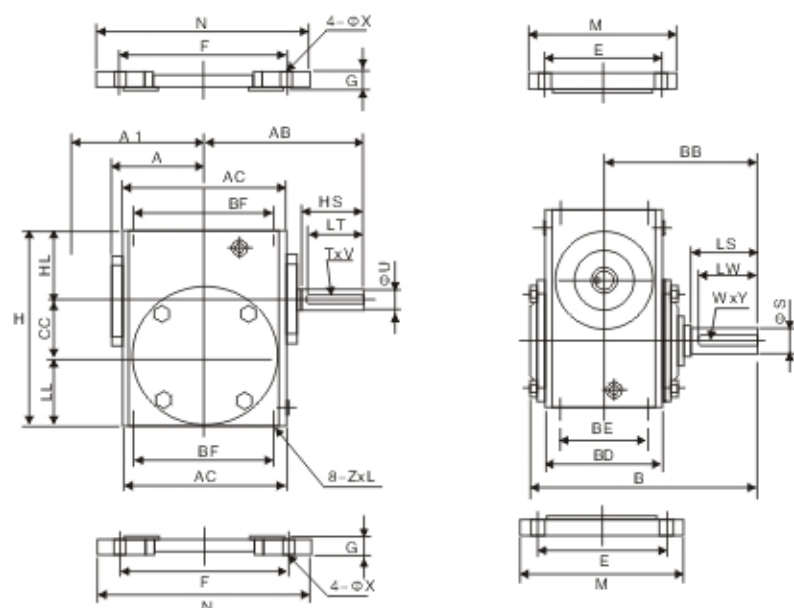


NEMA Frame	LA	LB	LC	LE	LZ	Input		
						Bore	Keyway	
56C	5.875	4.50	6.50	0.16	0.43	0.625	3/16	3/32
143TC/145TC	5.875	4.50	6.50	0.16	0.43	0.875	3/16	3/32
182TC/184TC	7.250	8.50	9.00	0.23	0.55	1.125	1/4	1/8
213TC/215TC	7.250	8.50	9.00	0.23	0.55	1.375	5/16	5/32

Size	NEMA Frame	A	A	AB	AC	B	BB	BD	BE	BF	CC	H
133	56C	2.12		3.96	4.00	6.03	4.00	2.88	2.00	3.25	1.333	4.66
154	56C	2.75		4.50	5.13	6.76	4.31	3.69	2.75	4.19	1.540	5.38
175	56C	2.75		4.37	4.81	6.75	4.31	3.38	2.75	4.19	1.750	5.75
206	56C	3.00		4.76	5.50	7.25	4.69	3.75	2.88	5.00	2.062	6.38
237	56C 140TC	3.56		5.10	6.13	7.78	5.08	4.06	2.88	5.00	2.375	6.94
262	56C 140TC 180TC	3.69		5.69	7.12	8.50	5.63	4.44	3.38	6.38	2.625	8.00
300	56C 140TC	4.50	5.93	5.67	8.50	10.25	6.75	5.50	4.00	7.00	3.000	8.88
	180TC			6.45								
325	56C 140TC	4.50	5.93	5.69	8.50	10.50	7.06	5.00	4.00	7.50	3.250	8.38
	180TC			6.47								

Size	HL	LL	Z	L	Output Shaft				With Horizontal Base					
					S	LS	W x Y	LW	E	F	M	N	G	X
133	1.61	1.72	5/16-18	0.50	0.625	2.00	3/16 3/32	1.31	3.31	4.38	4.19	5.38	0.53	0.34
154	1.92	1.91	5/16-18	0.50	0.750	1.78	3/16 3/32	0.88	4.31	5.25	5.44	6.44	0.59	0.41
175	1.94	2.06	5/16-18	0.60	0.875	1.88	3/16 3/32	1.00	4.50	5.75	5.56	7.00	0.69	0.41
206	2.04	2.28	3/8-16	0.60	1.000	2.00	1/4 1/8	1.75	4.69	6.38	5.76	7.69	0.72	0.47
237	2.07	2.50	3/8-16	0.60	1.125	2.37	1/4 1/8	1.38	4.88	7.06	6.19	8.50	0.75	0.47
262	2.44	2.94	3/8-16	0.60	1.125	2.50	1/4 1/8	2.00	5.25	8.00	6.50	9.25	0.75	0.53
300	2.63	3.25	7/16-14	0.80	1.250	3.25	1/4 1/8	2.25	5.88	8.44	7.36	10.16	0.88	0.53
325	2.63	3.50	7/16-14	0.80	1.375	3.25	5/16 5/32	2.41	6.13	9.50	7.75	11.12	0.88	0.53

Gearbox Dimensions – Bore Output Gearboxes



Size	NEMA Frame	A	A	AB	AC	B	BB	BD	BE	BF	CC	H	HL	LL	Z	L
133	56C	2.12		4.03	4.00	6.03	4.00	2.88	2.00	3.25	1.333	4.66	1.61	1.72	5/16-18	0.50
154	56C	2.75		4.69	5.13	6.76	4.31	3.69	2.75	4.19	1.540	5.38	1.92	1.91	5/16-18	0.50
175	56C	2.75		4.69	4.81	6.75	4.31	3.38	2.75	4.19	1.750	5.75	1.94	2.06	5/16-18	0.60
206	56C	3.00		5.06	5.50	7.25	4.69	3.75	2.88	5.00	2.062	6.38	2.04	2.28	3/8-16	0.60
237	56C 140TC	3.56		5.44	6.13	7.78	5.08	4.06	2.88	5.00	2.375	6.94	2.07	2.50	3/8-16	0.60
262	56C 140TC 180TC	3.69		6.23	7.12	8.50	5.63	4.44	3.38	6.38	2.625	8.00	2.44	2.94	3/8-16	0.60
300	56C 140TC 180TC	4.50	5.93	7.00	8.50	10.25	6.75	5.50	4.00	7.00	3.000	8.88	2.63	3.25	7/16-14	0.80
325	56C 140TC 180TC	4.50	5.93	7.06	8.50	10.50	7.06	5.00	4.00	7.50	3.250	9.38	2.63	3.50	7/16-14	0.80

Size	Input Shaft				Output Shaft				With Horizontal Base						
	U	HS	T x V	LT	S	LS	W x Y	LW	E	F	M	N	G	X	
133	0.500	1.81	1/8 1/16	1.38	0.625	2.00	3/16 3/32	1.31	3.31	4.38	4.19	5.38	0.53	0.34	
154	0.625	1.69	3/16 3/32	0.94	0.750	1.78	3/16 3/32	0.88	4.31	5.25	5.44	6.44	0.59	0.41	
175	0.625	1.81	3/16 3/32	1.50	0.875	1.88	3/16 3/32	1.00	4.50	5.75	5.56	7.00	0.69	0.41	
206	0.625	1.81	3/16 3/32	1.50	1.000	2.00	1/4 1/8	1.75	4.69	6.38	5.76	7.69	0.72	0.47	
237	0.750	1.94	3/16 3/32	1.31	1.125	2.37	1/4 1/8	1.38	4.88	7.06	6.19	8.50	0.75	0.47	
262	0.750	2.31	3/16 3/32	1.88	1.125	2.50	1/4 1/8	2.00	5.25	8.00	6.50	9.25	0.75	0.53	
300	0.875	2.26	3/16 3/32	1.31	1.250	3.25	1/4 1/8	2.25	5.88	8.44	7.36	10.16	0.88	0.53	
325	0.875	2.31	3/16 3/32	1.65	1.375	3.25	5/16 5/32	2.41	6.13	9.50	7.75	11.12	0.88	0.53	

Ratio Pak-Single Reduction Ratings

SIZE 1 At 1750 RPM Input Speed						SIZE 2 At 1750 RPM Input Speed						SIZE 3 At 1750 RPM Input Speed					
Ratio	Input HP	Output HP	RPM	Torque	OHL	Ratio	Input HP	Output HP	RPM	Torque	OHL	Ratio	Input HP	Output HP	RPM	Torque	OHL
1.5:1	3.29	3.19	1167	172	286	1.5:1	13.60	13.19	1167	712	341	1.5:1	17.79	17.26	1167	932	1030
2:1	2.74	2.66	875	192	315	2:1	11.76	11.41	875	822	375	2:1	15.38	14.92	875	1075	1100
3:1	2.06	2.00	583	216	315	3:1	9.48	9.20	583	944	375	3:1	12.39	12.02	583	1299	1100
4:1	1.45	1.41	437	203	315	4:1	6.88	6.67	437	962	375	4:1	8.99	8.72	437	1258	1100
5:1	1.05	1.02	350	183	315	5:1	5.06	4.91	350	884	375	5:1	6.61	6.41	350	1155	1100

Output Torque in Inch-Pounds. Overhung Load in Pounds at one shaft diameter from output flange.

Model	Available As
XDPC1	Quill 56C Flange Input and 56C Flange Output
XDPC2	Quill 56C Flange Input and 56C Flange Output Quill 56C Flange Input and 140TC Flange Output Quill 140TC Flange Input and 56C Flange Output Quill 140TC Flange Input and 140TC Flange Output
XDPC3	Quill 180TC Flange Input and 180TC Flange Output Quill 180TC Flange Input and 210TC Flange Output Quill 210TC Flange Input and 180TC Flange Output Quill 210TC Flange Input and 210TC Flange Output

When Ordering, Specify:

Type XDPC-Quill Flange Input

Size 1, 2, or 3

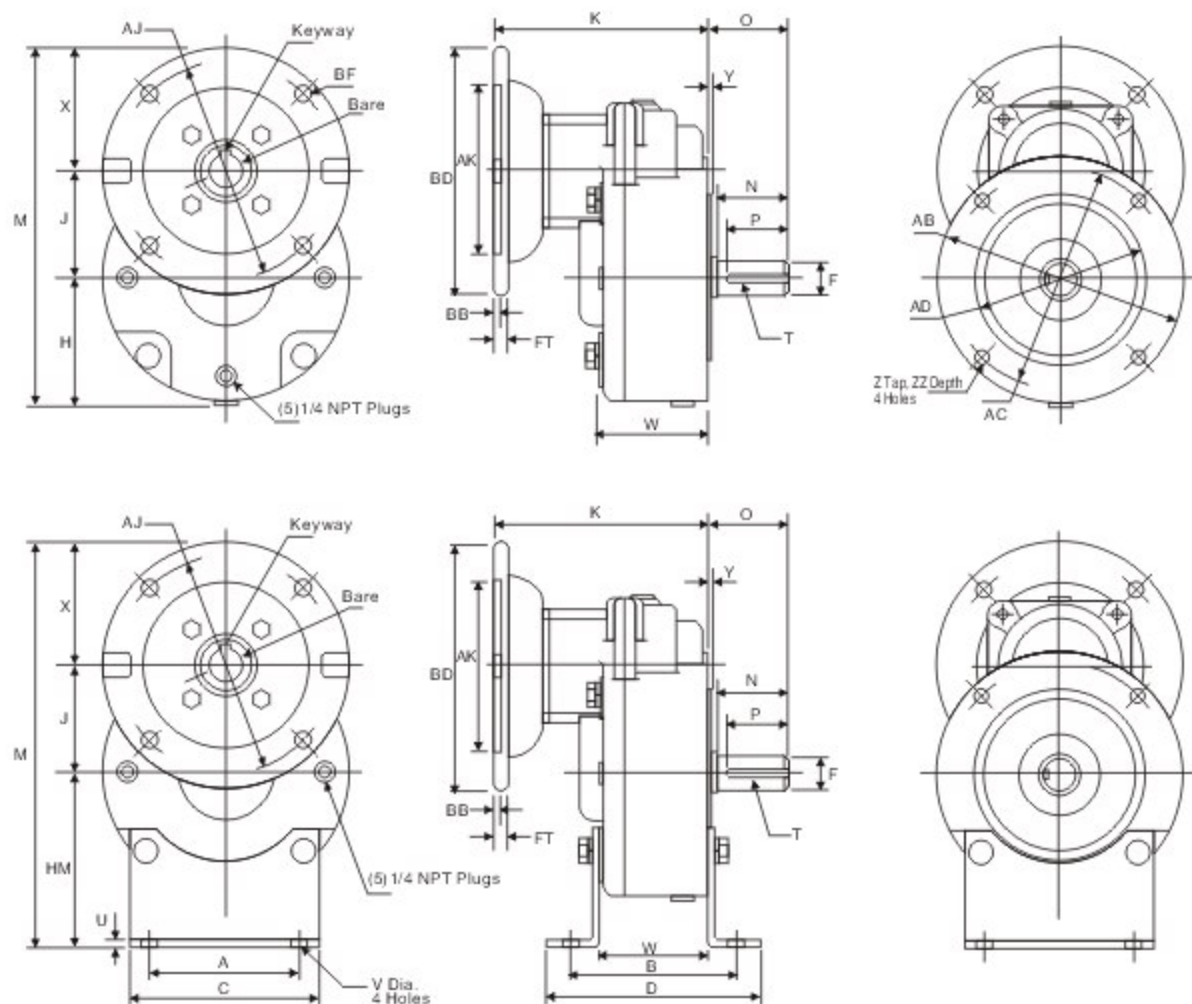
Ratio 1.5:1, 2:1, 3:1, or 5:1

Input Flange Size 56C, 140TC, 180TC, or 210TC

Output Flange Size 56C, 140TC, 180TC, or 210TC

If Optional Base is required

XDPC 2-1.5-56C-140TC-B



With Optional Base

Size	Output Range	A	B	C	D	F	G	H	HH	J	K	M	MM	N	O	P	T	U	V	W	X	Y	Z	ZZ	AB	AC	AD
1	56C	4.00	3.875	5.00	5.187	0.625	1.805	3.45	4.62	1.675	5.177	6.875	8.100	1.875	2.06	1.625	3/16X3/32	0.12	0.406	2.59	3.25	0.13	3/8-16	0.75	6.50	5.875	4.50
2	56C					0.625											3/16X3/32										
	140TC	4.00	4.120	5.00	5.430	0.875	1.850	3.40	4.62	2.875	5.625	8.125	9.350	1.875	2.125	1.625	3/16X3/32	0.12	0.406	2.83	3.25	0.13	3/8-16	0.75	6.50	5.875	4.50
3	180TC					1.125										2.375	2.50	2.063	1/4X1/8								
	210TC	5.13	4.750	6.37	6.150	1.375	1.825	4.81	4.95	2.875	7.43	9.40	12.19	2.875	3.00	2.563	5/16X5/32	0.16	0.500	3.24	4.50	0.25	1/2-13	0.94	9.13	7.250	8.50

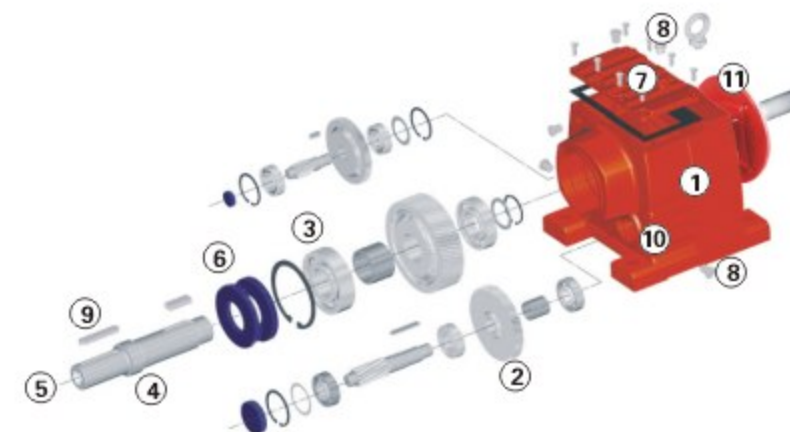
Input Flange	AJ	AK	BD	BF	BB	FT	Bare	Keyway
56C	5.875	4.50	6.50	0.44	0.16	0.31	0.625	3/16X3/32
140TC	5.875	4.50	6.50	0.44	0.16	0.31	0.875	3/16X3/32
180TC	7.250	8.50	9.00	0.53	0.19	0.38	1.125	1/4X1/8
210TC	7.250	8.50	9.00	0.53	0.19	0.38	1.375	5/16X5/32

Dimensions in inches

XDR-Series Gear Reducer

Features

The EED R-Series gear reducer contains a solid shaft and 1, 2 or 3 helical gear stages. Additional features are shown below.

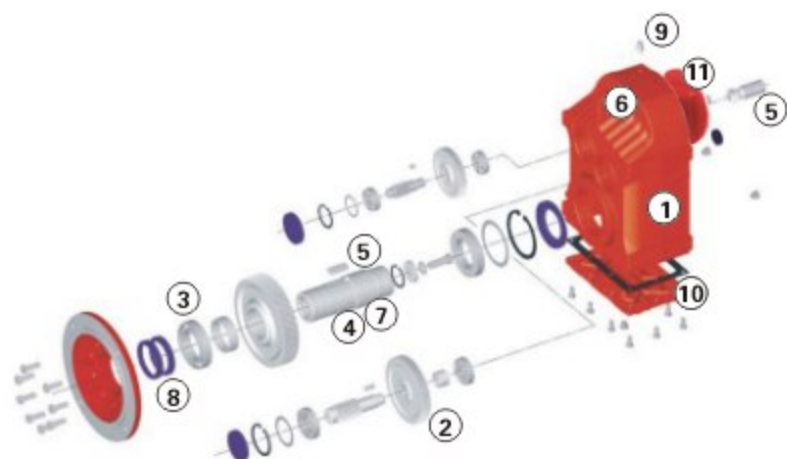


NO	Comments
1	SAE Class 30 or equivalent (GG20) gray cast iron housing and flanges (except R07/17/27). No bolt-on bearing covers.
2	Finish ground or shaved steel gears heat-treated and hardened to 58-62 Rockwell C
3	ABEC-1 bearing tolerances
4	SAE 1045 steel shafts; optional SAE 304 stainless steel shafts for food processing applications
5	Input and output shafts available in either inch or metric sizes and contain a center tapped hole to ease mounting components onto the shaft
6	Exclusive <i>interlocking</i> 2-piece seal design consisting of a patented bi-helix Viton® inner seal and a double-lip Nitrile (Buna N) outer seal—provides three sealing surfaces against contaminants
7	Removable inspection cover
8	Oil level and breather plugs strategically placed according to the customer's mounting position
9	Captured keys on input and output shafts
10	Corrugated surface improves heat dissipation and reduces vibration
11	Input input flange

XDF-Series Gear Reducer

Features

The EED F-series gear reducer, like the R-series, contains either 2 or 3 helical gear stages and an offset-parallel shaft design. However, unlike the R-series, the F-series has a slimmer profile and is available with a hollow shaft.

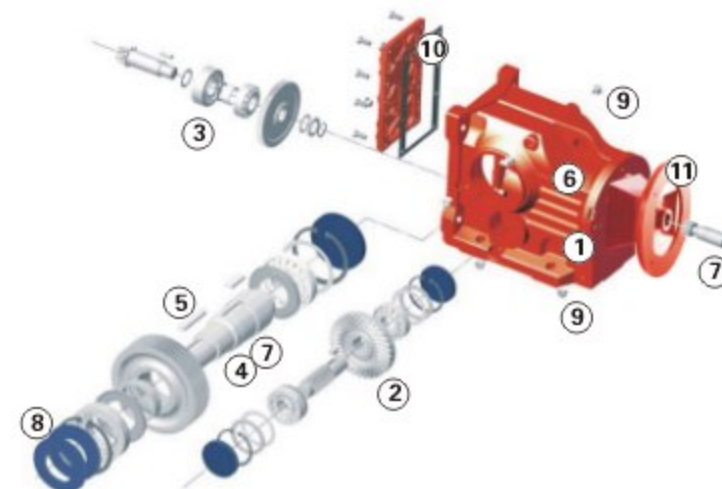


NO	Comments
1	SAE Class 30 or equivalent (GG20) gray cast iron housing and flanges on sizes F37-F157. No bolt-on bearing covers
2	Finish ground or shaved steel gears heat treated and hardened to 58-62 Rockwell C
3	ABEC-1 bearing tolerances
4	SAE 1045 steel shafts
5	Captured keys on input and output shafts
6	Corrugated surface improves heat dissipation and reduces vibration
7	Input and output shafts available in either inch or metric sizes. Solid shafts contain a center-tapped hole to ease the mounting of components onto the shaft.
8	Exclusive interlocking 2-piece seal design consisting of a patented bi-helix Viton® inner seal and a double-lip Nitrile (Buna N) outer seal to provide three sealing surfaces against contaminants (not available on F27/F37)
9	Oil level and breather plugs strategically placed according to the customer's mounting position
10	Removable inspection cover
11	Input input flange

XDK-Series Gear Reducer

Features

The EED K-series reducer contains three gearing stages: 1st stage-helical, 2nd stage-bevel, 3rd stage-helical. Efficiencies are comparable to SEW's R-series and F-series helical reducers.



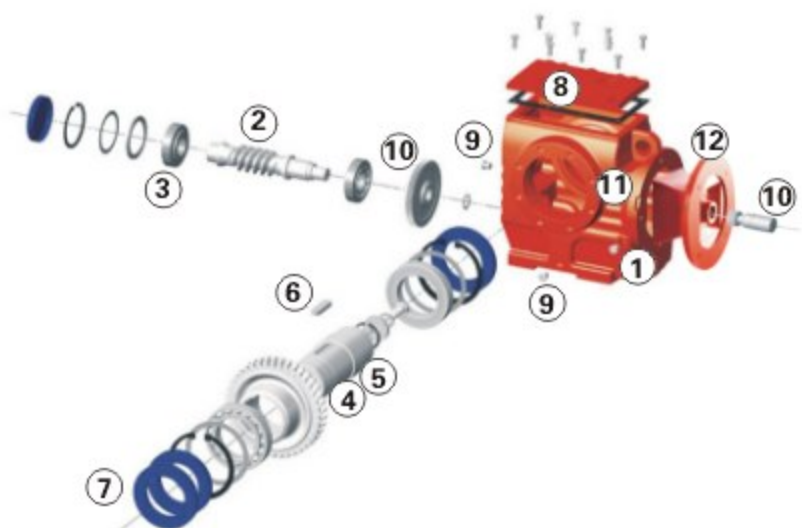
NO	Comments
1	SAE Class 30 or equivalent (GG20) gray cast iron housing and flanges. No bolt-on bearing covers.
2	Finish ground or shaved steel gears heat treated and hardened to 58-62 Rockwell C
3	ABEC-1 bearing tolerances
4	SAE 1045 steel shafts (SAE 4140 steel on solid shafts for sizes K87 through K187)
5	Captured keys on input/output shafts
6	Corrugated surface improves heat dissipation and reduces vibration
7	Input and output shafts are available in either inch or metric sizes. Solid shafts contain a center-tapped hole to ease mounting components onto the shaft.
8	Exclusive interlocking 2-piece seal design consisting of a patented bi-helix Viton® inner seal and a double-lip Nitrile (Buna N) outer seal to provide three sealing surfaces against contaminants
9	Oil level and breather plugs strategically placed according to the customer's mounting position
10	Removable inspection cover
11	Input input flange

XDS-Series Gear Reducer

Features

The EED S-series gear reducer contains two gear stages: 1st stage-helical, 2nd stage-worm.

It also contains the following features.



NO	Comments
1	SAE Class 30 or equivalent (GG20) gray cast iron housing and flanges. No bolt-on bearing covers
2	Finish ground or shaved steel gears heat treated and hardened to 58-62 Rockwell C
3	ABEC-1 bearing tolerances
4	SAE 1045 steel shafts
5	Input and output shafts available in either inch or metric sizes; solid shafts (not pictured) contain a center tapped hole to ease the mounting of components onto the shaft
6	Captured keys on input and output shafts
7	Exclusive interlocking 2-piece seal design consisting of a patented bi-helix Viton® inner seal and a double-lip Nitrile (Buna N) outer seal to provide three sealing surfaces against contaminants
8	Removable inspection cover.
9	Oil level and breather plugs strategically placed according to the customer's mounting position
10	1st stage helical gear set to increase total efficiency
11	Corrugated surface improves heat dissipation and reduces vibration
12	Input input flange

XDR Series-Helical Worm Units

Dimension Comparisons-Foot Mounted

New

R17

R27

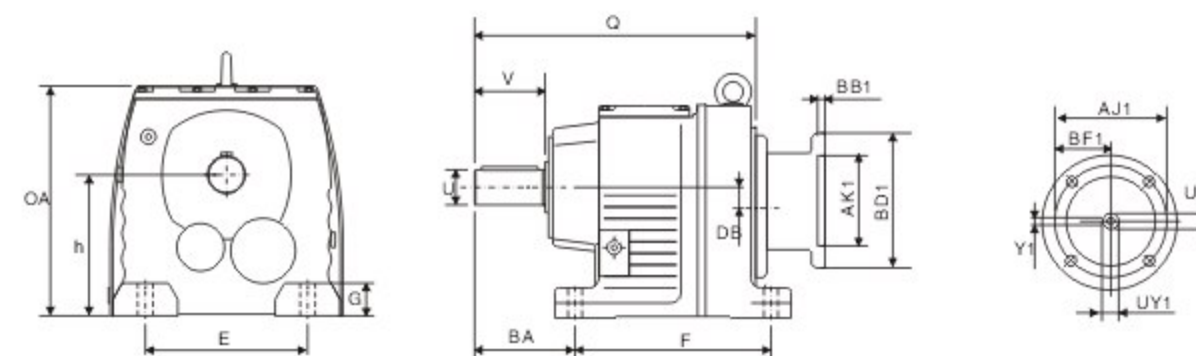
R37

R47

R57

R67

R77



Dimensions are millimeters, unless otherwise indicated.

Size (Stages)	Nema Frame	Torque Max (lb-in)	Ratio Range	BA	h	DB	E	F	G	OA	Q	U _{in} mm	V
R17 (2) R17 (3)	56C	752 752	3.83-25.23 24.07-81.64	58	75	-	100	100	12	134	207	0.750" 20	40
R27 (2) R27 (3)	56C	1151 1151	3.37-28.37 24.47-135.09	75	90	3.4	100	130	18	147	193	1.000" 25	50
R37 (2) R37 (3)	56C	1770 1770	3.41-28.32 24.42-134.82	75	90	10.09	100	130	18	151	201	1.000" 25	50
R47 (2) R47 (3)	56C 140TC	2655 2655	3.83-33.79 23.59-176.88	90	115	14.01	135	165	24	187	235	1.250" 30	60
R57 (2) R57 (3)	56C 140TC	3983 3983	4.39-26.31 26.97-186.89	100	115	11.17	135	165	24	187	257	1.375" 35	70
R67 (2) R67 (3)	140TC 180TC	5310 5310	4.29-28.13 28.83-199.81	100	130	20.7	150	195	30	212	280	1.375" 35	70
R77 (2) R77 (3)	180TC 210TC	7260 7260	5.31-23.37 25.23-195.24	115	140	15.9	170	205	30	228	300	1.625" 40	80

NEMA	AJ1	AK1	BB1	BD1	BF1	U1	UY1	Y1
56 C	5.88	4.500	0.16	8.54	0.43	0.625	0.71	0.188
140 TC	5.88	4.500	0.16	8.54	0.43	0.876	0.96	0.188
180 TC	7.25	8.500	0.23	9.17	0.59	1.125	1.24	0.250
210 TC	7.25	8.500	0.23	9.17	0.59	1.375	1.52	0.312
250 TC	7.25	8.500	0.23	9.17	0.59	1.625	1.80	0.375

XDF Series-Helical Worm Units

Dimension Comparisons

New

FA37 or FA47

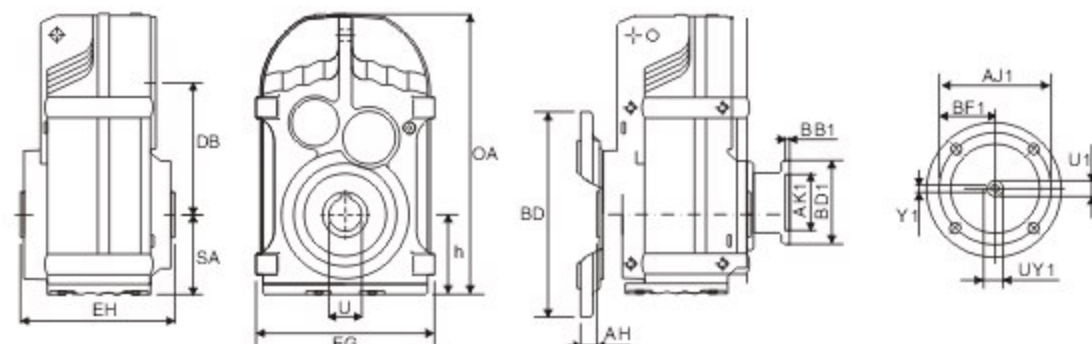
FA57 or FA67

FA77

FA87

FA97

FA107



Dimensions are millimeters, unless otherwise indicated.

Size (Stages)	Nema Frame	Torque Max (lb-in)	Ratio Range	DB	h	EG	OA	SA	AH	BD	EH	U in mm
FA/FAF37 (2)	56C	1770	4.22-23.63	112	31	169	252	76	24	160	120	1.250"
FA/FAF37 (3)		1770	23.88-128.51									30
*FA/FAF47 (2)	56C	3540	4.99-30.86	128.1	43	185	269	77	25	200	150	1.375"
*FA/FAF47 (3)		3540	28.88-190.76									35
FA/FAF57 (2)	56C	5310	5.18-40.13	136	55	205	317	93	26.5	250	166	1.500"
FA/FAF57 (3)		5310	30.15-199.70									40
FA/FAF67 (2)	56C	7257	3.97-36.30	159.5	60	217	343	97	23	250	180	1.500"
FA/FAF67 (3)	140TC	7257	34.01-228.99									40
FA/FAF77 (2)	56C	13275	4.28-36.58	200	70	275	426	121	37	300	210	2.000"
FA/FAF77 (3)	140TC	13275	25.54-281.71							**250		50
FA/FAF87 (2)	140TC	26550	4.12-33.92	246.7	100	336	531	152	30	350	240	2.375"
FA/FAF87 (3)	180TC	26550	29.20-270.68									60
FA/FAF97 (2)	140TC	38055	4.57-43.28	285	120	405	623	178	41.5	450	300	2.750"
FA/FAF97 (3)	180TC	38055	32.50-276.77									70
FA/FAF107 (2)	180TC	69384	6.22-33.79	332.4	125	450	717	200	41	450	350	3.625"
FA/FAF107 (3)	210TC	67968	31.80-254.40									90
FA/FAF127 (2)	210TC	106200	4.68-26.86	382.6	142	530	856	236	51	550	410	4.000"
FA/FAF127 (3)	250TC	106200	25.30-170.83									100
FA/FAF157 (2)	250TC	159300	11.92-53.55	447	170	660	1021	286	60	660	500	4.500"
FA/FAF157 (3)		159300	27.60-267.43									10

NEMA	AJ1	AK1	BB1	BD1	BF1	U1	UY1	Y1
56 C	5.88	4.500	0.16	8.54	0.43	0.625	0.71	0.188
140 TC	5.88	4.500	0.16	8.54	0.43	0.876	0.96	0.188
180 TC	7.25	8.500	0.23	9.17	0.59	1.125	1.24	0.250
210 TC	7.25	8.500	0.23	9.17	0.59	1.375	1.52	0.312
250 TC	7.25	8.500	0.23	9.17	0.59	1.625	1.80	0.375

XDS Series-Helical Worm Units

Dimension Comparisons-Foot Mounted

New

S37

S47

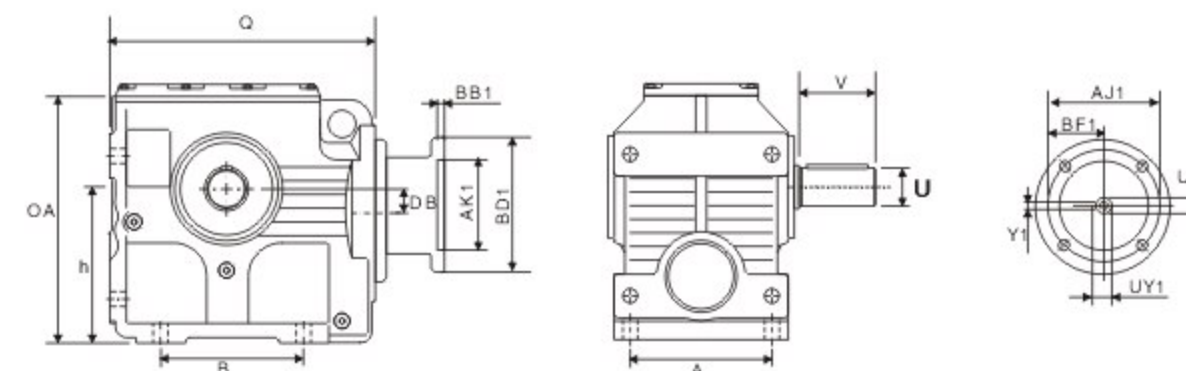
S57

S67

S77

S87

S97



Dimensions are millimeters, unless otherwise indicated.

Size	Nema Frame	Torque Max (lb-in)	Ratio Range	DB	OA	A	B	h	Q	U in mm	V
S37	56C	814	6.80-157.43	-	143	90	63	82	143	0.750"	40
										20	
S47	56C	1505	7.28-201.00	8	165	100	80	100	171	1.000"	50
										25	
S57	56C	2611	7.28-201.00	20	189	110	100	112	187	1.250"	60
	140TC									30	
S67	56C	4602	7.56-217.41	22	236	130	130	140	241	1.375"	70
	140TC									35	
S77	140TC	11240	8.06-256.47	34	301	150	135	180	287	1.750"	90
	180TC									45	
S87	140TC	20178	7.88-288.00	37.5	368	200	180	225	340	2.375"	120
	180TC									60	
S97	180TC	35400	8.26-286.40	52	455	250	235	280	420	2.875"	140
	210TC									70	

NEMA	AJ1	AK1	BB1	BD1	BF1	U1	UY1	Y1
56 C	5.88	4.500	0.16	8.54	0.43	0.625	0.71	0.188
140 TC	5.88	4.500	0.16	8.54	0.43	0.876	0.96	0.188
180 TC	7.25	8.500	0.23	9.17	0.59	1.125	1.24	0.250
210 TC	7.25	8.500	0.23	9.17	0.59	1.375	1.52	0.312
250 TC	7.25	8.500	0.23	9.17	0.59	1.625	1.80	0.375

XDK Series-Helical Worm Units

K Style-Foot Mounted

New

K37(new size)

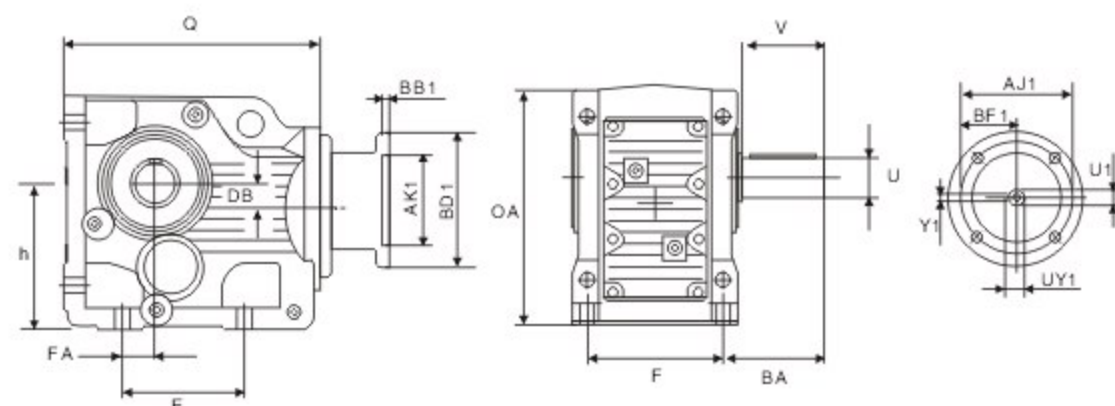
K47

K57(new size)

K67

K77

K87

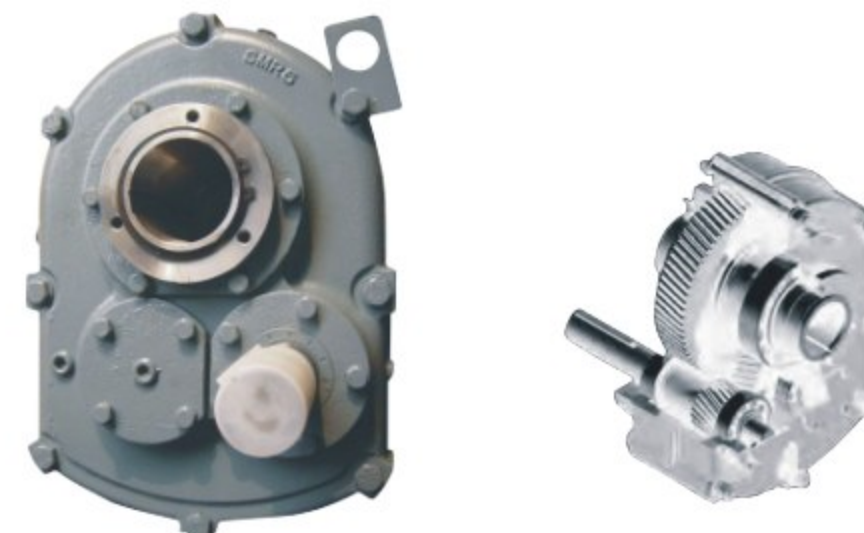


Dimensions are millimeters unless otherwise indicated.

Size	Nema Frame	Torque Max (lb-in)	Ratio Range	BA	DB	h	E	F	FA	OA	Q	*U	V
K37	56C	1770	5.36-106.38	60	8.5	100	110	100	28	164	202	1.000" 25	50
K47**	56C	3540	5.81-131.87	75	7.2	112	130	120	35	186	237	1.250" 30	60
K57	56C 140TC	5310	6.57-145.14	88	13.1	132	130	130	30	217	253	1.375" 35	70
K67*	56C 140TC	7257	7.28-144.79	101	20	140	120	140	30	228	269	1.625" 40	80
K77*	140TC 180TC	13718	7.24-192.18	123.5	31.3	180	150	165	40	288	314	2.000" 50	100
K87	140TC 180TC	23895	7.21-197.37	150	25.9	212	180	180	55	340	389	2.375" 60	120

NEMA	AJ1	AK1	BB1	BD1	BF1	U1	UY1	Y1
56 C	5.88	4.500	0.16	8.54	0.43	0.625	0.71	0.188
140 TC	5.88	4.500	0.16	8.54	0.43	0.876	0.96	0.188
180 TC	7.25	8.500	0.23	9.17	0.59	1.125	1.24	0.250
210 TC	7.25	8.500	0.23	9.17	0.59	1.375	1.52	0.312
250 TC	7.25	8.500	0.23	9.17	0.59	1.625	1.80	0.375

Product Overview



- 15:1 and 25:1 ratios
- Box sizes 2 - 9
- Tapered bushing type (bushing not included)
- Premium quality ball and tapered bearings - double lip seals
- Shafts and gears manufactured from high grade steel, case hardened and precision ground to AGMA standards
- Industrial grade all-cast iron housings protect gearing for life
- Extended gear centers and tooth contact
- Metal reinforced double lip, spring loaded oil seals
- Dimensional drop-in for all major makes
- Torque arm included
- 2 year warranty



Product Overview

Box Size	Ratio	Output Bore(Max.)	Approx. Wt.(lbs.)	Model Number
2	15:1	1 15/16"	58	SMR2-15:1
	25:1			SMR2-25:1
3	15:1	2 3/16"	98	SMR3-15:1
	25:1			SMR3-25:1
4	15:1	2 7/16"	139	SMR4-15:1
	25:1			SMR4-25:1
5	15:1	2 15/16"	207	SMR5-15:1
	25:1			SMR5-25:1
6	15:1	3 7/16"	285	SMR6-15:1
	25:1			SMR6-25:1
7	15:1	3 15/16"	462	SMR7-15:1
	25:1			SMR7-25:1
8	15:1	4 7/16"	633	SMR8-15:1
	25:1			SMR8-25:1
9	15:1	4 15/16"	760	SMR9-15:1
	25:1			SMR9-25:1

Output Shaft Overhung Load Ratings

Box Size	Shaft Size	Overhung Load (lbs.) At Various RPMs										
		10	20	30	50	80	100	120	140	160	180	200
2	1 7/16	2000	1510	1270	1010	840	820	720	720	710	710	700
	1 15/16	1750	1320	1110	890	730	710	630	630	620	620	610
3	1 15/16	5400	4250	3680	3050	2620	2440	2310	2210	2110	2040	1980
	2 3/16	5240	4120	3570	2960	2540	2370	2240	2140	2050	1980	1920
4	2 3/16	6520	5180	4510	3800	3230	3000	2830	2710	2600	2510	2430
	2 7/16	6360	5060	4410	3710	3160	2930	2770	2640	2530	2450	2370
5	2 7/16	7460	5860	5080	4280	3690	3450	3270	3110	2980	2880	2790
	2 15/16	7060	5540	4800	4040	3490	3260	3090	2940	2820	2720	2640
6	2 15/16	9100	7100	6100	5000	4100	4050	3700	3550	3400	3300	3200
	3 7/16	8200	6400	5500	4500	3700	3650	3400	3300	3250	3200	3150
7	3 7/16	11400	9500	7300	5950	4750	5050	4500	4300	4250	4200	4150



Performance Parameter

Mechanical Ratings

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SMR2-15/1	2	18-32	6700-3769	1.5	19-34	4761-2660	1.5	27-51	3350-1774
	3	27-51	6700-3547	2	25-47	4824-2566	2	37-71	3260-1699
	5	71-85	4247-3547	3	39-75	4639-2412	3	58-113	3119-1601
	7.5	75-140	6030-3230	5	70-136	4307-2217	5	104-140	2899-2154
	10	104-140	5798-4307	7.5	111-140	4074-3230	-	-	-
SMR2-25/1	0.5	4-6	7538-5025	0.33	4-6	5025-3350	0.25	4-6	3769-2513
	0.75	6-10	7538-4523	0.5	6-9	5025-3350	0.33	5-9	4020-2233
	1	8-15	7538-4020	0.75	9-16	5025-2827	0.5	8-15	3769-2010
	1.5	13-23	6958-3933	1	12-22	5025-2741	0.75	13-23	3479-1966
	2	18-32	6700-3769	1.5	19-34	4761-2660	1	18-32	3350-1884
	3	27-51	6700-3547	2	25-47	4824-2566	1.5	27-51	3350-1774
	5	47-70	6415-4307	3	39-75	4639-2412	2	37-71	3260-1699
SMR3-15/1	7.5	75-85	6030-5321	5	70-85	4307-3547	3	58-85	3119-2128
	5	27-46	11167-6555	2	15-24	8040-5025	2	22-36	5482-3350
	7.5	41-74	11031-6112	3	23-38	7865-4761	3	33-57	5482-3174
	10	57-103	10579-5855	5	38-69	7934-4370	5	57-103	5290-2927
	15	94-140	9623-6461	7.5	60-110	7538-4111	7.5	94-140	4811-3230
SMR3-25/1	-	-	-	10	85-140	7094-4307	-	-	-
	0.75	4-5	11307-9045	0.5	4-5	7538-6030	0.5	6-7	5025-4307
	1	6-7	10050-8615	0.75	6-8	7538-5653	0.75	8-12	5653-3769
	1.5	8-12	11307-7538	1	8-11	7538-5482	1	11-17	5482-3547
	2	11-17	10964-7094	1.5	12-18	7538-5025	1.5	16-26	5653-3479
	3	16-26	11307-6958	2	15-24	8040-5025	2	22-36	5482-3350
	5	27-46	11167-6555	3	23-38	7865-4761	3	33-57	5482-3174
	7.5	41-74	11031-6112	5	38-69	7934-4370	5	57-85	5290-3547
	10	57-85	10579-7094	7.5	60-85	7538-5321	-	-	-
SMR4-15/1	5	18-26	16750-11596	3	15-22	12060-8223	3	21-32	8615-5653
	7.5	27-40	16750-11307	5	25-37	12060-8149	5	37-56	8149-5384
	10	37-56	16298-10768	7.5	39-59	11596-7665	7.5	57-93	7934-4863
	15	57-93	15869-9726	10	53-84	11378-7179	10	79-141	7633-4277
	20	79-140	15266-8615	15	83-140	10898-6461	-	-	-
SMR4-25/1	25	102-140	14780-10768	-	-	-	-	-	-
	1	4-5	15075-12060	0.75	4-5	11307-9045	0.5	4-5	7538-6030
	1.5	5-7	18091-12922	1	5-7	12060-8515	0.75	5-7	9045-6461
	2	7-10	17229-12060	1.5	7-11	12922-8223	1	7-10	8615-6030
	3	11-15	16446-12060	2	10-14	12060-8615	1.5	11-15	8223-6030
	5	18-26	16750-11596	3	15-22	12060-8223	2	14-21	8615-5743
	7.5	27-40	16750-11307	5	25-37	12060-8149	3	21-32	8615-5653
	10	37-56	16298-10768	7.5	39-59	11596-7665	5	37-56	8149-5384
	15	57-85	15869-10641	10	53-84	11378-7179	7.5	57-85	7934-5321
	20	79-85	15266-14189	-	-	-	-	-	-



Performance Parameter

Mechanical Ratings

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SMR5-15/1	10	21-36	28715-16750	7.5	22-38	20557-11902	5	21-36	14358-8375
	15	33-56	27410-16152	10	30-52	20101-11596	7.5	33-56	13705-8076
	20	46-78	26218-15462	15	48-82	118844-11031	10	46-78	13109-7731
	25	60-101	25126-14926	20	69-117	17479-10308	15	76-125	11902-7236
	30	76-125	23803-14472	25	95-125	15869-12060	20	115-125	10487-9648
	40	115-125	20975-19297	-	-	-	-	-	-
SMR5-25/1	1.5	4	22613	1.5	5-6	18091-15075	0.75	4	11307
	2	4-6	30151-20101	2	6-9	20101-13400	1	4-6	15075-10050
	3	6-10	30151-18091	3	9-14	20101-12922	1.5	6-10	15075-9045
	5	10-17	30151-17736	5	15-24	20101-12563	2	8-13	15075-9277
	7.5	16-26	28266-17395	7.5	22-38	20557-11902	3	13-20	13916-9045
	10	21-36	28715-16750	10	30-52	20101-11596	5	21-36	14358-8375
	15	33-56	27410-16152	15	48-82	18844-11031	7.5	33-56	13705-8076
	20	46-78	26218-15462	20	69-80	17479-15075	10	46-78	13109-7731
	25	60-80	25126-18844	-	-	-	-	-	-
SMR6-15/1	15	20-32	45226-28266	10	19-29	31738-20794	7.5	20-32	22613-14133
	20	27-45	44668-26801	15	28-47	32304-19245	10	27-45	22334-13400
	25	34-59	44339-25552	20	39-68	30924-17736	15	42-75	21536-12060
	30	42-75	43073-24121	25	50-94	30151-16038	20	58-114	20794-10579
	40	58-114	41587-21158	30	61-125	29657-14472	25	75-125	20101-12060
	50	75-125	40201-24121	40	89-120	27102-20101	30	99-125	18276-14472
SMR6-25/1	3	4-5	45226-36181	2	4-5	30151-24121	1.5	4-5	22613-18091
	5	7-9	43073-33501	3	6-8	30151-22613	2	5-7	24121-17229
	7.5	10-15	45226-30151	5	9-14	33501-21536	3	8-12	22613-15075
	10	13-20	46386-30151	7.5	14-21	32304-21536	5	13-20	23193-15075
	15	20-32	45226-28266	10	19-29	31738-20794	7.5	20-32	22613-14133
	20	27-45	44668-26801	15	28-47	32304-19245	10	27-45	22334-13400
	25	34-59	44339-25552	20	39-68	30924-17736	15	42-75	21536-12060
	30	42-75	43073-24121	25	50-80	30151-18844	20	58-70	20794-17229
	40	58-81	41587-29779	30	61-76	29657-23803	-	-	-
SMR7-15/1	20	19-26	63480-46392	20	27-38	44664-31740	10	19-26	31740-23196
	25	24-33	62820-45684	25	34-49	44340-30768	15	29-41	31188-22056
	30	29-41	62388-44124	30	42-60	43068-30156	20	39-57	30924-21156
	40	39-57	61848-42312	40	57-88	42312-27408	25	50-74	30156-20376
	50	50-74	60300-40740	-	-	-	30	61-98	29652-18456
	-	-	-	-	-	-	40	85-89	28380-27108
SMR7-25/1	5	5-6	60300-50256	3	4-5	45228-36180	3	6-7	30156-25848
	7.5	7-9	64608-50256	5	7-8	43068-37692	5	9-12	33504-25128
	10	9-12	67008-50256	7.5	10-13	45228-34788	7.5	14-19	32304-23808
	15	14-19	64608-47604	10	13-18	46392-33504	10	19-26	31740-23196
	20	19-26	63480-46392	15	20-27	45228-33504	15	29-41	31188-22056
	25	24-33	62820-45684	20	27-38	44664-31740	20	39-57	30924-21156
	30	29-41	62388-44124	25	34-49	44340-30768	25	50-74	30156-20376
	40	39-57	61848-42312	30	42-60	43068-30156	30	61-70	29652-25848
	50	50-74	60300-407	40	40	57-75	-	-	42312-32160
	-	-	-	-	-	-	-	-	-

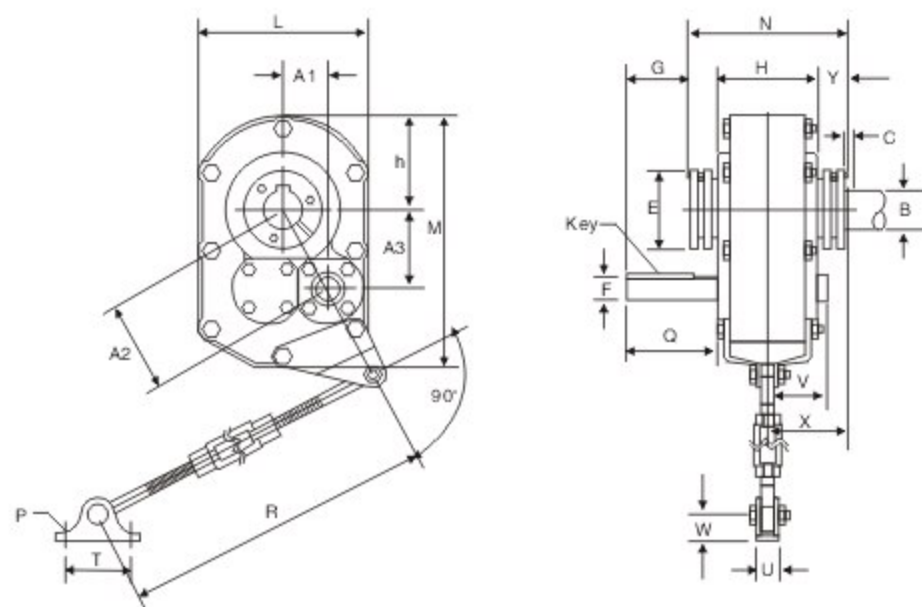


Performance Parameter

Mechanical Ratings

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SMR8-15/1	30	20-28	90456-64608	25	23-33	65544-45684	15	20-28	45228-32304
	40	26-38	92772-63480	30	28-41	64608-44124	20	26-38	46392-31740
	50	33-49	91368-61536	40	37-56	65196-43068	25	33-49	45684-30768
	60	40-60	90456-60300	50	47-72	64152-41880	30	40-60	45228-30156
	75	51-70	88680-64608	60	57-89	63480-40656	40	54-84	44664-28716
	-	-	-	75	74-75	61116-60300	50	70-110	43068-27408
SMR8-25/1	7.5	4-6	113064-75384	5	4-6	75384-50256	3	4-5	45228-36180
	10	6-8	100500-75384	7.5	6-9	75384-50256	5	6-8	50256-37692
	15	9-13	100500-69576	10	8-12	75384-50256	7.5	9-13	50256-34788
	20	13-18	92772-67008	15	13-19	69576-47604	10	13-18	46392-33504
	25	16-23	94224-65544	20	18-26	67008-46392	15	20-28	45228-32304
	30	20-28	90456-64608	25	23-33	65544-45684	20	26-38	46392-31740
	40	26-38	92772-63480	30	28-41	64608-44124	25	33-49	45684-30768
	50	33-49	91368-61536	40	37-56	65196-43068	30	40-60	45228-30156
	60	40-60	90456-60300	50	47-72	64152-41880	40	54-70	44664-34464
	75	51-70	88680-64608	60	57-75	63480-48240	50	70-75	43068-40200
SMR9-15/1	40	19-25	126948-96480	30	20-27	90456-67008	20	19-25	63480-48240
	50	23-32	131088-94224	40	26-36	92772-67008	25	23-32	65544-47112
	60	28-39	129216-92772	50	33-46	91368-65544	30	28-39	64608-46392
	75	35-50	129216-90456	60	40-56	90456-64608	40	38-53	63480-45516
	-	-	-	75	50-73	90456-61956	50	47-69	64152-43692
SMR9-25/1	10	5	120600	7.5	5	90456	5	5	60300
	15	7-8	129216-113064	10	6-7	100500-86148	7.5	7-8	64608-56532
	20	9-12	134004-100500	15	10-12	90456-75384	10	9-12	67008-50256
	25	11-15	137052-100500	20	13-17	92772-70944	15	14-19	64608-47604
	30	14-19	129216-95220	25	16-22	94224-68520	20	19-25	63480-48240
	40	19-25	126948-96480	30	20-27	90456-67008	25	23-32	65544-47112
	50	23-32	131088-94224	40	26-36	92772-67008	30	28-39	64608-46392
	60	28-39	129216-92772	50	33-46	91368-65544	40	38-53	63480-45516
	75	35-50	129216-90456	60	40-56	90456-64608	50	47-69	64152-43692
	-	-	-	75	50-73	90456-61956	60	57-75	63480-48240

Outline Dimension Sheet



ALL DIMENSIONS IN INCHES

Box Size	L M	N	F Key	B Max.	C	E G	W U	X V	Q Y	H	A1 A2	A3 h	R Min. R Max.	P T
2	8.38	7.32	1.13	1 15/16	1.25	4.06	1.06	3.68	3.59	4.56	2.14	3.75	26.94	0.44
	11.41		0.25x0.13x2.50			2.22	1.25	2.89	1.4		4.32	4.09	32.94	3
3	9.25	9.22	1.25	2 3/16	1.5	4.38	1.06	4.52	4.34	5.63	2.33	4.17	26.94	0.44
	12.88		0.25x0.13x2.88			2.34	1.25	3.3	1.59		4.78	4.84	32.94	3
4	10.38	9.98	1.44	2 7/16	1.75	4.81	1.75	4.79	5.57	6.13	2.76	4.79	29.19	0.55
	15.13		0.38x0.19x4.06			3.44	1.44	3.41	1.72		5.53	5.5	35.19	4
5	13.13	10.52	1.94	2 15/16	1.81	5.63	1.75	5.05	5.74	6.31	3.04	5.67	29.19	0.5
	18.31		0.50x0.25x4.50			3.44	1.44	4.45	1.91		6.43	6.56	35.19	4
6	15.13	11.53	2.19	3 7/16	1.81	6.13	2	5.73	6.08	6.88	4.09	6.71	29.19	0.63
	21.31		0.50x0.25x4.50			3.73	2.75	4.57	2.3		7.88	7.56	35.19	4.75
7	18.75	12.85	2.44	3 15/16	2.06	7.25	2	6.38	6.35	7.75	5.11	8.3	29.44	0.63
	25.94		0.63x0.31x4.75			3.75	2.75	4.69	2.5		9.74	9.38	35.44	4.75
8	20.25	14.03	2.44	4 7/16	2.06	7.75	3.13	7.04	7.11	8.37	6.03	9.5	30	0.75
	28.25		0.63x0.31x5.38			4.31	4	5.85	2.86		11.25	10.13	36	7
9	22.63	14.12	2.44	4 15/16	2.44	8.75	3.13	7.04	9.65	8.12	6.59	10.81	30	0.75
	31.69		0.63x0.31x7.75			6.63	4	5.66	2.98		12.66	11.31	36	7

Accessories Tapered Bushing Kits



Product Overview

- Sized for EED shaft mount reducers
- Interchangeable with other manufacturers
- Fast and simple installation
- Tapered support on both sides of the reducer
- Come with fastening bolts and a full length shaft key

Box Size	Bushing Size (in.)	Model Number	Alternate Model Number
2	1 1/4	2TBK-1.14	2WTBK-1.14
	1 5/16	2TBK-1.516	2WTBK-1.516
	1 3/8	2TBK-1.38	2WTBK-1.38
	1 7/16	2TBK-1.716	2WTBK-1.716
	1 1/2	2TBK-1.12	2WTBK-1.12
	1 5/8	2TBK-1.58	2WTBK-1.58
	1 11/16	2TBK-1.1116	2WTBK-1.1116
	1 3/4	2TBK-1.34	2WTBK-1.34
	1 15/16	2TBK-1.1516	2WTBK-1.1516
3	1 11/16	3TBK-1.1116	3WTBK-1.1116
	1 3/4	3TBK-1.34	3WTBK-1.34
	1 7/8	3TBK-1.78	3WTBK-1.78
	1 15/16	3TBK-1.1516	3WTBK-1.1516
	2	3TBK-2	3WTBK-2
	1 3/16	3TBK-2.316	3WTBK-2.316
4	1 15/16	4TBK-1.1516	4WTBK-1.1516
	2	4TBK-2	4WTBK-2
	2 1/8	4TBK-2.18	4WTBK-2.18
	2 3/16	4TBK-2.316	4WTBK-2.316
	2 1/4	4TBK-2.14	4WTBK-2.14
	2 7/16	4TBK-2.716	4WTBK-2.716
5	2 3/16	5TBK-2.316	5WTBK-2.316
	2 1/4	5TBK-2.14	5WTBK-2.14
	2 7/16	5TBK-2.716	5WTBK-2.716
	2 1/2	5TBK-2.12	5WTBK-2.12
	2 11/16	5TBK-2.1116	5WTBK-2.1116
	2 15/16	5TBK-2.1516	5WTBK-2.1516
6	2 1/2	6TBK-2.12	6WTBK-2.12
	2 11/16	6TBK-2.1116	6WTBK-2.1116
	2 7/8	6TBK-2.78	6WTBK-2.78
	2 15/16	6TBK-2.1516	6WTBK-2.1516
	3	6TBK-3	6WTBK-3
	3 7/16	6TBK-3.716	6WTBK-3.716
7	2 7/16	7TBK-2.716	7WTBK-2.716
	2 11/16	7TBK-2.1116	7WTBK-2.1116
	2 15/16	7TBK-2.1516	7WTBK-2.1516
	3	7TBK-3	7WTBK-3
	3 3/16	7TBK-3.316	7WTBK-3.316
	3 7/16	7TBK-3.716	7WTBK-3.716
8	3 15/16	7TBK-3.1516	7WTBK-3.1516
	2 15/16	8TBK-2.1516	8WTBK-2.1516
	3 7/16	8TBK-3.716	8WTBK-3.716
	3 15/16	8TBK-3.1516	8WTBK-3.1516
	4 3/16	8TBK-4.316	8WTBK-4.316
	4 7/16	8TBK-4.716	8WTBK-4.716
9	3 7/16	9TBK-3.716	9WTBK-3.716
	3 15/16	9TBK-3.1516	9WTBK-3.1516
	4 7/16	9TBK-4.716	9WTBK-4.716
	4 15/16	9TBK-4.1516	9WTBK-4.1516