

Hub City™ Parallel Shaft Drives

Models ARM1X, RM3 – Helical Ratio Multipliers

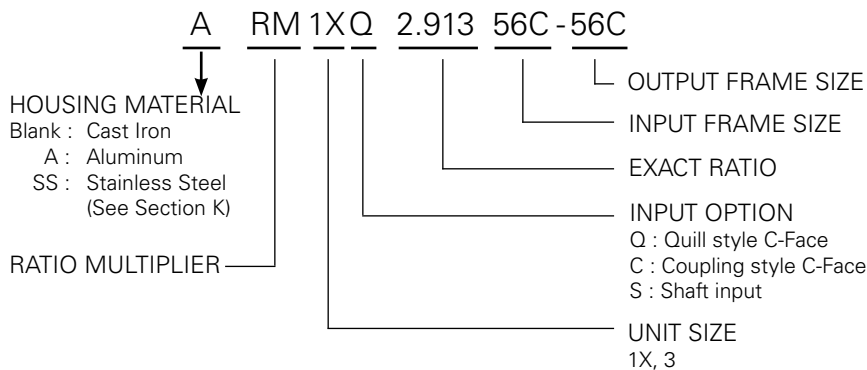
Features

- New Aluminum Model – ARM1X consolidates and replaces both RM1 and RM2 cast iron and aluminum models
 - Same center distance and mounting as RM1
 - Power ratings of RM2 (higher torque density)
- One cast iron model – RM3
- One stainless steel model – SSRM1 (See Section K)
- Ratios available from 2:1 to 7.5:1
- Can be used as reducer or increaser
- C-Flange or solid input shaft
- Helical gearing
- Double lip seals
- Base mounting available
- Permanently lubricated at factory
- Provides additional reduction capability when mounted onto helical gear reducer or worm gear reducer



SINGLE REDUCTION UNITS PROVIDE OPPOSITE DIRECTION OUTPUT ROTATION

Model Nomenclature Example



Note: New Model ARM1X consolidates and replaces both RM1 and RM2 cast iron and aluminum models.

ARM1X RATINGS @1750 RPM INPUT (56C, 140TC AVAILABLE IN ALUMINUM HOUSING ONLY)

RATIO	OUTPUT RPM	INPUT HP	OUTPUT TORQUE	56C OUTPUT	140TC OUTPUT
				MAX LS OHL	MAX LS OHL
2.000	875	6.00	424	358	358
2.913	601	4.21	433	375	434
4.000	438	3.63	511	375	455
5.000	350	3.00	529	375	455
7.182	244	2.62	664	375	455

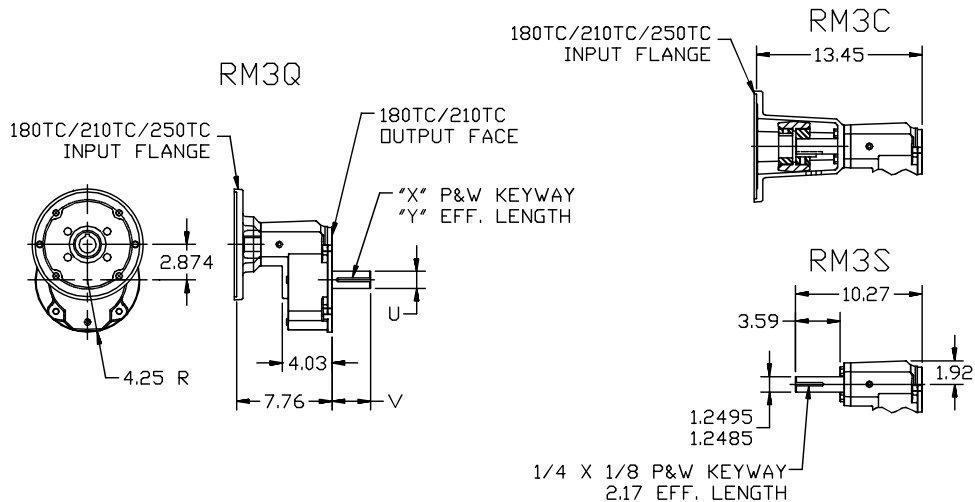
RM3 RATINGS @1750 RPM INPUT (180TC, 210TC, 250TC AVAILABLE IN CAST IRON HOUSING ONLY)

RATIO	OUTPUT RPM	INPUT HP	OUTPUT TORQUE	MAX LS OHL
2.000	875	20.00	1412	900
2.964	590	12.98	1357	900
4.045	433	11.35	1621	900
5.167	339	10.07	1836	900
7.538	232	5.80	1544	900

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Model RM3 – Helical Ratio Multipliers

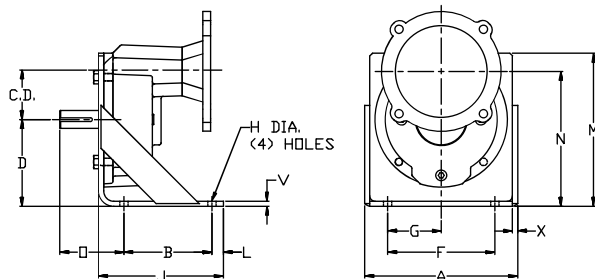
Cast Iron Housing



RM3_ OUTPUT	U	V	X	Y	SHIPPING WEIGHT (LBS)
180TC	1.1245/1.1235	2.62	1/4 X 1/8	1.80	45
210TC	1.3745/1.3735	3.12	5/16 X 5/32	2.63	
250TC	1.6245/1.6235	3.75	3/8 X 3/16	3.01	

56C/140TC, SPECIAL AND METRIC, INPUT FLANGES AND OUTPUT FACES AVAILABLE.
CONSULT FACTORY FOR COMPLETE SPECIFICATIONS.

Mounting Base For Ratio Multipliers



MODEL	OUTPUT	A	B	CD	D	F	G	H	J	L	M	N	O	V	X	PART NO.	WEIGHT (LBS)
ARM1X	56C	7.50	6.13	2.36	4.25	5.25	2.63	0.41	4.31	0.56	7.50	6.16	3.06	0.25	0.25	0279-00552	2
	140TC			2.362									3.12				
RM3	180TC	9.50	7.38	2.87	5.00	7.00	3.50	0.53	5.25	0.63	9.44	7.88	3.88	0.25	0.25	0279-00553	3
	210TC			2.874									4.38				
	250TC			2.874									5.00				

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS REFER TO SECTION M.

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DOWNLOAD AVAILABLE CAD MODELS AT: WWW.HUBCITYINC.COM