



Helical **Gear Reducers**

TECO   **Westinghouse**

www.tecowestinghouse.com

FEATURES

H-series gear units have been designed to be highly **reliable** even under heavy working conditions, and are particularly suited for applications involving **high radial loads**. The H-series includes a **large number** of extremely **versatile** models, available in cast iron from size 030 to size 140 and in aluminum from size A30 to size A60.



H-PH
Fitted for motor coupling - Coupling with flexible coupling



CH
With compact motor



IH
With input shaft



HA
Fitted for motor coupling



CHA
With compact motor



IHA
With input shaft

CAST IRON

**Sizes: 030-040-050-060-080
100-125-140**

- Casing with feet, flange F or universal U
- Gearing with 1, 2 and 3 reduction stages
- Gears hardened and tempered with shaved or ground profile
- Cases in G200 gray cast iron for high strength and optimized with FEM analysis
- Excellent mechanical strength, particularly suitable to support high axial loads and high reliability
- Load capacity calculated to ISO6336 and verified according to AGMA 2001
- Painted with RAL 5010 blue epoxy-polyester powder according to DIN 1843
- ATEX versions available 2GD/3GD
- Accessories: output flange, backstop device, reinforced output

ALUMINUM

**Sizes:
A30-A40-A50-A60**

- Casing with feet, flange F or universal U
- Gearing with 1, 2 and 3 reduction stages
- Gears hardened and tempered with shaved or ground profile
- Cases in die-cast aluminum alloy
- Excellent mechanical strength while being particularly lightweight
- Load capacity calculated to ISO6336 and verified according to AGMA 2001
- Painted with RAL 5010 blue epoxy-polyester powder according to DIN 1843
- ATEX versions available 3GD

RANGE



	*Ø [in]	Output Torque in-lbs	Ratio(i)	
		Max	Min	Max
H030	1	1770	4.70	245.70
H040	.75, 1.25	2655	1.44	282.10
H050	1, 1.375	4425	1.27	267.65
H060	1, 1.25, 1.625	7523	1.34	268.00
H080	1.5, 2.125	15,931	1.30	222.78
H100	1.875, 2.375	31,863	1.29	242.59
H125	2.125, 2.875	44,254	1.23	230.92
H140	3.625	70,806	5.27	206.08

- Power from 0.16 HP up to 75 HP
- Reduction ratios between 1.23 to 282.10
- Torque max 70.806 in-lbs
- Admissible overhung load max 12.364 lbf



	*Ø [in]	Output Torque in-lbs	Ratio (i)	
		Max	Min	Max
HA30	.75	885	5.38	347.29
HA40	.75, 1	1328	1.45	347.29
HA50	1, 1.25	2655	1.45	353.98
HA60	1.25, 1.625	4248	1.33	353.98

- Power from 0.16 HP up to 5 HP
- Reduction ratios between 1.33 to 353.98
- Torque max 4248 in-lbs
- Admissible overhung load max 2698 lbf

CAST IRON VERSIONS



H... Single Stage
Foot mounting



H... 2/3 Stages
Foot mounting



HA...F Single Stage
Flange mounting



H...F 2/3 Stages
Flange mounting



H...M Single Stage
Foot mounting with low
output shaft centre



H...U 2/3 Stages
Foot/flange mounting



H...U Single Stage
Foot/flange mounting

ALUMINUM VERSIONS



HA.. Single Stage
Foot mounting



HA..F 2 Stages
Flange mounting



HA..F Single Stage
Flange mounting



HA..F 3 Stages
Flange mounting



HA.. 2 Stages
Foot mounting



HA..U 2/3 Stages
Foot/flange mounting



HA.. 3 Stages
Foot mounting

GLOBAL PRESENCE



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GR-HS 09-16